IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-MJ-50W-LED-XX-WLM.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 193036
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2021-04-05 16:17:58
[ISSUEDATE] 2021-04-05 16:17:58
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] EPL-MJ-50W-LED-XX-WLM-50K
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED MASON JAR FIXTURE
[MORE] WALL MOUNT, 5000K
[LAMPPOSITION] 0,0
[OTHER] ZVISION 9107GT SYSTEM

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	7 H x 7 V
Maximum Candela	1102.47
Maximum Candela Angle	42.5H -22.5V
Horizontal Beam Angle (50%)	180.0
Vertical Beam Angle (50%)	180.0
Horizontal Field Angle (10%)	180.0
Vertical Field Angle (10%)	180.0
Lumens Per Lamp	7471 (1 lamp)
Total Lamp Lumens	7471
Beam Lumens	5450
Beam Efficiency	73 %
Field Lumens	5450
Field Efficiency	73 %
Spill Lumens	0
Luminaire Lumens	5450
Total Efficiency	73 %
Total Luminaire Watts	49.9
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	773.601	90	686.313
85	794.304	85	736.224
75	882.404	75	839.504
65	958.185	65	941.105
55	1042.465	55	1009.925
47.5	1068.885	47.5	1049.265
42.5	1043.725	42.5	973.865
37.5	944.905	37.5	939.965
33	804.364	33	938.685
29	765.584	29	889.424
25.5	609.723	25.5	627.023
22.5	621.803	22.5	629.543
19.5	649.923	19.5	638.243
17	691.203	17	632.563
15	731.864	15	664.943
13	746.764	13	702.684
11	742.324	11	731.304
9	815.184	9	782.644
7	794.104	7	787.524
5	820.664	5	798.944
3	801.504	3	792.624
1	787.084	1	784.084
0	797.424	0	797.424
-1	775.404	-1	788.284
-3	764.144	-3	808.504
-5	755.984	-5	807.664
-7	769.424	-7	778.924
-9	742.164	-9	766.724
-11	731.224	-11	753.584
-13	707.064	-13	761.284
-15	663.403	-15	745.684
-17	661.283	-17	712.544
-19.5	643.423	-19.5	682.983
-22.5	630.083	-22.5	643.583
-25.5	638.443	-25.5	635.643
-29	674.503	-29	646.383
-33	805.184	-33	798.844
-37.5	932.105	-37.5	951.645
-42.5	912.505	-42.5	965.825
-47.5	973.965	-47.5	978.945
-55	985.445	-55	954.045
-65	893.364	-65	914.925
-75	822.584	-75	888.004
-85	754.344	-85	807.064
-90	726.863	-90	778.43

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CANDELA TABULATION
Maximum Candela = 1102.47
Beam Edge = 551.235 Cd (50% of Max.)
Field Edge = 110.247 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	726.727 *	718.199 *	701.111 *	696.989 *	731.760 *	757.836 *	766.571 *	766.658 *	766.736 *	766.804 *
85.0	726.737 *	724.364 *	715.372 *	718.189 *	758.056 *	787.282 *	796.776 *	795.942 *	794.924 *	794.143 *
75.0	726.758 *	731.253 *	731.297 *	756.578 *	811.563 *	848.665 *	863.703 *	863.583 *	863.703 *	864.315 *
65.0	726.779 *	736.613 *	757.617 *	796.273 *	848.486 *	879.911 *	895.398 *	899.902 *	904.491 *	909.960 *
55.0	726.798 *	739.875 *	784.394 *	828.120 *	884.471 *	908.071 *	934.743 *	941.186 *	936.413 *	935.224 *
47.5	726.812 *	742.165 *	794.769 *	852.271 *	895.414 *	941.751 *	932.761 *	947.771 *	971.732 *	978.947 *
42.5	726.820 *	743.777 *	800.162 *	863.304 *	918.244 *	928.459 *	949.044 *	979.556 *	965.816 *	982.213 *
37.5	726.828 *	745.492 *	803.934 *	867.840 *	940.856 *	939.106 *	982.804 *	965.804 *	1001.988 *	1018.198 *
33.0	726.834 *	746.931 *	807.464 *	874.342 *	932.264 *	967.182 *	982.522 *	973.063 *	997.139 *	988.921 *
29.0	726.840 *	748.254 *	812.085 *	879.398 *	919.027 *	993.125 *	952.001 *	980.012 *	972.657 *	987.283 *
25.5	726.844 *	749.316 *	816.803 *	882.851 *	919.834 *	1002.386 *	935.139 *	976.926 *	919.524 *	970.148 *
22.5	726.847 *	750.238 *	819.386 *	885.109 *	927.279 *	976.435 *	939.872 *	952.842 *	880.084 *	931.017 *
19.5	726.850 *	751.071 *	821.017 *	888.240 *	936.409 *	952.009 *	953.203 *	888.871 *	924.603 *	841.147 *
17.0	726.853 *	751.696 *	821.487 *	890.784 *	946.931 *	946.170 *	962.180 *	838.324 *	935.023 *	770.688 *
15.0	726.854 *	752.152 *	821.846 *	892.383 *	956.119 *	943.856 *	971.447 *	811.253 *	872.872 *	805.229 *
13.0	726.856 *	752.568 *	822.220 *	893.305 *	965.914 *	943.029 *	970.341 *	818.835 *	820.192 *	838.665 *
11.0	726.857 *	753.502 *	822.605 *	893.901 *	971.636 *	943.903 *	958.200 *	850.673 *	757.742 *	806.979 *
9.0	726.859 *	753.654 *	822.866 *	894.571 *	976.669 *	948.751 *	942.758 *	886.786 *	740.909 *	754.891 *
7.0	726.860 *	753.806 *	823.006 *	894.864 *	979.834 *	954.895 *	929.223 *	918.229 *	748.054 *	715.312 *
5.0	726.861 *	753.960 *	823.368 *	894.809 *	982.236 *	961.530 *	921.534 *	927.622 *	765.622 *	692.629 *
3.0	726.862 *	754.113 *	823.055 *	894.716 *	984.529 *	968.566 *	914.893 *	931.495 *	784.895 *	681.363 *
1.0	726.863 *	754.267 *	822.741 *	893.815 *	985.139 *	972.164 *	913.302 *	931.826 *	800.458 *	675.186 *
0.0	726.863 *	754.344 *	822.584 *	893.364 *	985.445 *	973.965 *	912.505 *	932.105 *	805.184 *	674.503 *
-1.0	726.863 *	754.344 *	823.381 *	893.877 *	984.216 *	973.010 *	913.844 *	929.713 *	802.168 *	673.165 *
-3.0	726.863 *	754.931 *	824.974 *	894.901 *	981.761 *	971.102 *	916.518 *	927.378 *	792.130 *	674.372 *
-5.0	726.862 *	755.322 *	826.564 *	895.380 *	978.301 *	966.948 *	924.614 *	927.286 *	783.835 *	678.284 *
-7.0	726.862 *	755.711 *	827.490 *	896.014 *	975.235 *	964.059 *	934.024 *	928.601 *	781.123 *	685.716 *
-9.0	726.861 *	756.099 *	828.634 *	896.647 *	972.303 *	962.432 *	946.784 *	924.349 *	786.092 *	694.347 *
-11.0	726.861 *	756.485 *	829.658 *	897.342 *	968.696 *	962.579 *	958.750 *	917.791 *	805.291 *	699.964 *
-13.0	726.860 *	756.098 *	830.560 *	898.537 *	965.540 *	965.048 *	964.934 *	906.610 *	832.151 *	697.180 *
-15.0	726.859 *	756.218 *	831.469 *	899.961 *	959.908 *	966.168 *	959.979 *	898.429 *	858.440 *	731.103 *
-17.0	726.858 *	756.296 *	832.172 *	900.987 *	954.880 *	964.680 *	952.104 *	896.220 *	869.578 *	780.276 *
-19.5	726.856 *	756.333 *	832.954 *	902.058 *	948.786 *	960.227 *	949.182 *	900.919 *	905.197 *	790.847 *
-22.5	726.854 *	756.288 *	832.544 *	902.404 *	943.439 *	955.448 *	947.138 *	945.073 *	902.685 *	817.142 *
-25.5	726.851 *	756.143 *	830.828 *	901.982 *	939.761 *	946.019 *	954.982 *	957.661 *	847.391 *	923.977 *
-29.0	726.848 *	755.995 *	826.470 *	895.578 *	932.901 *	937.283 *	955.669 *	953.583 *	908.381 *	822.630 *
-33.0	726.844 *	755.708 *	823.172 *	885.217 *	912.596 *	952.000 *	951.516 *	916.590 *	959.606 *	882.421 *
-37.5	726.838 *	755.397 *	823.064 *	875.912 *	898.098 *	941.672 *	950.470 *	940.762 *	887.220 *	963.042 *
-42.5	726.832 *	754.816 *	824.339 *	874.298 *	914.728 *	913.543 *	930.764 *	958.525 *	946.532 *	909.057 *
-47.5	726.824 *	754.299 *	823.890 *	881.464 *	912.282 *	895.751 *	897.629 *	905.760 *	962.339 *	960.110 *
-55.0	726.812 *	753.671 *	823.556 *	876.484 *	869.872 *	882.287 *	896.105 *	894.172 *	882.804 *	888.021 *
-65.0	726.794 *	752.751 *	803.464 *	850.342 *	844.921 *	845.027 *	832.143 *	839.373 *	848.038 *	856.659 *
-75.0	726.775 *	749.660 *	778.547 *	819.901 *	801.938 *	773.694 *	762.811 *	771.806 *	782.048 *	790.657 *
-85.0	726.754 *	744.625 *	772.325 *	778.329 *	731.869 *	698.824 *	691.197 *	699.387 *	706.360 *	712.899 *
-90.0	726.744 *	739.260 *	764.287 *	771.364 *	724.614 *	689.552 *	678.906 *	680.986 *	682.857 *	684.519 *

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	-22.5	-19.5	-17.0	-15.0	-13.0	-11.0	-9.0	-7.0	-5.0
90.0	766.863 *	766.913 *	756.166 *	747.211 *	740.047 *	732.883 *	725.718 *	718.554 *	711.389 *	704.225 *
85.0	793.437 *	792.789 *	785.414 *	779.149 *	774.158 *	769.175 *	764.999 *	759.768 *	754.537 *	749.305 *
75.0	863.903 *	863.254 *	860.564 *	857.979 *	856.086 *	853.985 *	851.975 *	849.912 *	847.779 *	845.977 *
65.0	914.119 *	916.888 *	919.711 *	922.374 *	924.550 *	926.701 *	929.048 *	931.318 *	933.676 *	936.017 *
55.0	939.046 *	946.269 *	954.821 *	962.712 *	968.926 *	975.220 *	981.291 *	987.672 *	993.262 *	998.528 *
47.5	977.766 *	989.144 *	1004.914 *	1011.166 *	1010.755 *	1010.290 *	1011.288 *	1017.120 *	1024.588 *	1032.546 *
42.5	1006.964 *	1015.862 *	1011.796 *	1013.152 *	1017.409 *	1012.766 *	1006.575 *	999.923 *	993.397 *	987.220 *
37.5	1004.772 *	1001.766 *	998.328 *	1022.648 *	1026.506 *	995.270 *	985.871 *	982.895 *	971.090 *	959.072 *
33.0	1001.302 *	1017.434 *	982.106 *	959.755 *	940.380 *	901.753 *	872.041 *	870.720 *	883.672 *	902.537 *
29.0	1005.277 *	967.953 *	939.139 *	894.630 *	878.443 *	858.245 *	823.730 *	792.733 *	793.869 *	817.490 *
25.5	943.766 *	915.034 *	855.228 *	799.914 *	743.374 *	709.543 *	678.862 *	657.646 *	643.494 *	636.463 *
22.5	861.685 *	840.616 *	751.160 *	680.047 *	652.829 *	644.449 *	648.697 *	632.743 *	615.478 *	622.975 *
19.5	842.618 *	739.191 *	657.946 *	640.234 *	629.249 *	621.184 *	636.349 *	636.947 *	647.446 *	666.548 *
17.0	784.936 *	660.549 *	627.727 *	618.817 *	613.155 *	626.251 *	656.452 *	665.463 *	661.254 *	653.839 *
15.0	711.911 *	627.306 *	617.125 *	610.602 *	621.909 *	652.317 *	655.852 *	670.308 *	706.977 *	704.870 *
13.0	662.625 *	604.749 *	609.422 *	616.711 *	640.844 *	656.332 *	681.429 *	709.908 *	704.407 *	710.855 *
11.0	630.618 *	605.953 *	616.613 *	623.556 *	638.944 *	673.959 *	704.958 *	708.546 *	725.765 *	726.639 *
9.0	612.220 *	607.304 *	611.872 *	627.177 *	649.949 *	688.171 *	700.988 *	715.238 *	733.470 *	742.560 *
7.0	606.287 *	610.113 *	616.160 *	621.577 *	668.861 *	683.130 *	704.906 *	723.133 *	716.887 *	752.476 *
5.0	612.391 *	617.268 *	629.490 *	636.218 *	667.045 *	683.363 *	700.216 *	754.638 *	749.098 *	736.456 *
3.0	623.658 *	625.150 *	636.386 *	652.082 *	667.125 *	698.743 *	716.303 *	773.215 *	740.724 *	744.285 *
1.0	634.228 *	628.867 *	640.747 *	660.740 *	665.341 *	705.865 *	730.937 *	751.096 *	759.925 *	750.860 *
0.0	638.443 *	630.083 *	643.423 *	661.283 *	663.403 *	707.064 *	731.224 *	742.164 *	769.424 *	755.984 *
-1.0	637.731 *	630.769 *	651.336 *	673.361 *	669.687 *	708.924 *	726.559 *	743.606 *	766.310 *	767.536 *
-3.0	635.164 *	631.597 *	669.324 *	693.659 *	681.458 *	706.729 *	719.170 *	738.499 *	756.019 *	780.173 *
-5.0	634.437 *	629.996 *	686.831 *	710.800 *	697.145 *	698.694 *	723.936 *	735.055 *	768.204 *	796.768 *
-7.0	639.146 *	626.887 *	692.350 *	715.303 *	724.798 *	705.962 *	728.759 *	741.419 *	782.118 *	783.848 *
-9.0	644.627 *	622.569 *	663.500 *	695.275 *	722.154 *	711.390 *	720.498 *	743.284 *	756.692 *	771.103 *
-11.0	653.031 *	621.572 *	633.982 *	677.017 *	685.432 *	701.114 *	722.725 *	731.921 *	740.429 *	751.839 *
-13.0	649.036 *	628.933 *	621.286 *	634.977 *	655.066 *	670.421 *	691.030 *	720.909 *	735.479 *	743.302 *
-15.0	663.886 *	635.032 *	603.406 *	620.926 *	617.068 *	639.848 *	665.786 *	691.120 *	710.076 *	726.858 *
-17.0	687.397 *	631.125 *	614.212 *	602.900 *	614.684 *	610.148 *	631.232 *	653.735 *	671.805 *	695.018 *
-19.5	738.134 *	664.403 *	615.387 *	605.478 *	598.091 *	611.368 *	603.470 *	606.295 *	625.656 *	647.582 *
-22.5	789.050 *	745.703 *	658.896 *	611.000 *	606.007 *	594.153 *	596.301 *	616.622 *	616.365 *	617.256 *
-25.5	758.871 *	791.349 *	758.547 *	682.760 *	635.804 *	609.722 *	601.038 *	604.446 *	607.129 *	613.871 *
-29.0	932.777 *	766.252 *	754.923 *	806.661 *	776.966 *	722.006 *	686.252 *	664.084 *	648.417 *	641.584 *
-33.0	801.107 *	901.039 *	896.826 *	779.472 *	725.875 *	730.016 *	791.412 *	820.788 *	820.868 *	812.839 *
-37.5	950.401 *	863.806 *	807.552 *	830.403 *	894.238 *	944.364 *	951.884 *	944.659 *	934.304 *	933.082 *
-42.5	909.402 *	961.747 *	957.382 *	958.269 *	935.769 *	915.803 *	908.991 *	908.789 *	914.707 *	926.530 *
-47.5	951.817 *	927.999 *	919.244 *	916.708 *	925.580 *	941.424 *	959.321 *	973.462 *	979.769 *	980.837 *
-55.0	909.035 *	937.851 *	964.616 *	975.716 *	975.979 *	972.627 *	968.655 *	964.993 *	961.781 *	959.071 *
-65.0	867.854 *	880.581 *	895.008 *	903.935 *	908.675 *	911.100 *	912.754 *	913.234 *	913.594 *	913.903 *
-75.0	796.291 *	801.333 *	813.381 *	824.649 *	833.431 *	841.323 *	849.139 *	856.681 *	863.976 *	871.479 *
-85.0	718.526 *	723.098 *	734.690 *	744.384 *	752.055 *	759.649 *	768.416 *	775.442 *	782.468 *	789.495 *
-90.0	685.972 *	687.217 *	699.378 *	709.513 *	717.621 *	725.729 *	733.837 *	741.945 *	750.053 *	758.161 *

Vert. Angles	Horizontal Angles									
	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	697.060 *	689.895 *	686.313 *	689.494 *	695.855 *	702.217 *	708.578 *	714.939 *	721.300 *	727.661 *
85.0	744.072 *	738.840 *	736.224 *	738.457 *	742.924 *	747.391 *	751.857 *	756.323 *	760.789 *	763.857 *
75.0	843.388 *	840.799 *	839.504 *	841.740 *	846.212 *	850.683 *	854.106 *	857.826 *	861.312 *	864.546 *
65.0	938.610 *	940.273 *	941.105 *	941.337 *	941.802 *	941.434 *	941.390 *	941.457 *	941.777 *	941.917 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	1003.967 *	1007.938 *	1009.925 *	1008.828 *	1006.635 *	1003.238 *	1000.203 *	997.191 *	993.864 *	991.296 *
47.5	1041.589 *	1046.704 *	1049.265 *	1048.419 *	1046.728 *	1041.220 *	1036.867 *	1032.203 *	1027.576 *	1023.227 *
42.5	981.337 *	976.358 *	973.865 *	976.824 *	982.733 *	989.934 *	997.709 *	1007.951 *	1019.978 *	1031.750 *
37.5	947.979 *	940.675 *	939.965 *	947.256 *	968.597 *	995.999 *	1027.012 *	1058.389 *	1069.633 *	1069.988 *
33.0	919.265 *	934.333 *	938.685 *	936.107 *	927.143 *	923.154 *	926.146 *	941.374 *	977.232 *	1024.150 *
29.0	844.711 *	875.040 *	889.424 *	881.436 *	866.201 *	860.001 *	852.751 *	859.024 *	879.871 *	889.124 *
25.5	634.427 *	629.648 *	627.023 *	628.955 *	634.369 *	642.244 *	657.857 *	676.849 *	706.618 *	755.706 *
22.5	629.821 *	632.043 *	629.543 *	628.909 *	624.183 *	623.787 *	630.563 *	642.341 *	642.272 *	652.024 *
19.5	657.666 *	644.113 *	638.243 *	643.040 *	648.327 *	640.908 *	628.467 *	620.708 *	623.253 *	635.226 *
17.0	650.495 *	641.434 *	632.563 *	637.210 *	640.721 *	641.459 *	652.744 *	674.381 *	645.038 *	623.690 *
15.0	686.710 *	671.857 *	664.943 *	666.202 *	668.874 *	674.492 *	678.814 *	667.870 *	664.808 *	658.746 *
13.0	716.643 *	709.775 *	702.684 *	704.179 *	706.663 *	703.062 *	685.184 *	688.440 *	690.224 *	671.154 *
11.0	735.781 *	736.503 *	731.304 *	722.978 *	696.051 *	677.862 *	707.865 *	708.621 *	697.531 *	686.191 *
9.0	767.181 *	779.390 *	782.644 *	770.607 *	733.472 *	721.086 *	712.731 *	708.145 *	709.980 *	686.140 *
7.0	767.331 *	781.750 *	787.524 *	780.395 *	756.772 *	766.861 *	769.351 *	737.276 *	713.923 *	696.422 *
5.0	760.615 *	787.659 *	798.944 *	797.615 *	792.466 *	793.745 *	779.117 *	756.921 *	752.166 *	708.984 *
3.0	741.157 *	769.964 *	792.624 *	801.127 *	852.341 *	810.895 *	775.121 *	773.817 *	753.635 *	728.590 *
1.0	749.687 *	765.013 *	784.084 *	805.861 *	835.867 *	831.284 *	791.084 *	802.166 *	746.898 *	741.726 *
0.0	764.144 *	775.404 *	797.424 *	787.084 *	801.504 *	820.664 *	794.104 *	815.184 *	742.324 *	746.764 *
-1.0	784.882 *	796.916 *	788.284 *	800.362 *	806.603 *	807.307 *	787.704 *	802.541 *	740.422 *	745.638 *
-3.0	796.124 *	811.751 *	808.504 *	799.908 *	774.290 *	801.137 *	769.645 *	775.126 *	736.794 *	746.233 *
-5.0	784.804 *	798.735 *	807.664 *	797.225 *	789.323 *	774.095 *	772.617 *	745.687 *	740.482 *	751.160 *
-7.0	792.849 *	779.525 *	778.924 *	776.808 *	773.457 *	778.529 *	768.957 *	742.279 *	752.689 *	739.040 *
-9.0	764.888 *	769.457 *	766.724 *	771.523 *	771.215 *	764.123 *	755.134 *	768.818 *	734.158 *	717.030 *
-11.0	758.707 *	757.868 *	753.584 *	759.498 *	770.867 *	768.022 *	766.345 *	731.024 *	710.051 *	706.850 *
-13.0	746.658 *	756.425 *	761.284 *	761.915 *	760.215 *	749.661 *	725.089 *	711.825 *	703.466 *	691.223 *
-15.0	738.521 *	744.535 *	745.684 *	741.877 *	731.267 *	721.220 *	711.301 *	700.944 *	675.693 *	629.533 *
-17.0	706.192 *	711.448 *	712.544 *	711.086 *	705.495 *	694.223 *	669.606 *	645.360 *	624.061 *	620.475 *
-19.5	664.831 *	678.223 *	682.983 *	677.042 *	662.051 *	644.439 *	622.877 *	619.918 *	641.338 *	620.536 *
-22.5	626.591 *	638.295 *	643.583 *	643.964 *	641.461 *	636.212 *	627.006 *	629.260 *	638.011 *	619.838 *
-25.5	622.052 *	630.368 *	635.643 *	636.592 *	639.558 *	639.631 *	629.960 *	623.512 *	639.966 *	675.256 *
-29.0	641.045 *	643.175 *	646.383 *	652.459 *	669.019 *	688.543 *	713.796 *	752.550 *	811.595 *	863.568 *
-33.0	804.508 *	799.126 *	798.844 *	804.015 *	816.396 *	824.503 *	823.670 *	810.597 *	796.126 *	829.413 *
-37.5	935.609 *	944.119 *	951.645 *	954.960 *	966.786 *	981.071 *	994.819 *	993.259 *	971.413 *	938.555 *
-42.5	939.210 *	956.945 *	965.825 *	967.268 *	970.150 *	978.001 *	986.564 *	1002.412 *	1021.558 *	1038.580 *
-47.5	979.057 *	978.982 *	978.945 *	981.228 *	985.790 *	992.910 *	997.794 *	1001.677 *	1005.055 *	1010.863 *
-55.0	956.466 *	954.852 *	954.045 *	958.473 *	967.324 *	976.941 *	986.483 *	996.217 *	1004.784 *	1012.627 *
-65.0	914.048 *	914.633 *	914.925 *	916.829 *	920.635 *	924.657 *	928.346 *	931.684 *	934.516 *	936.475 *
-75.0	878.088 *	884.699 *	888.004 *	886.759 *	884.269 *	881.780 *	878.292 *	874.998 *	871.391 *	867.428 *
-85.0	796.523 *	803.550 *	807.064 *	804.745 *	800.107 *	795.469 *	790.831 *	786.194 *	781.557 *	775.107 *
-90.0	766.269 *	774.377 *	778.430 *	776.335 *	772.144 *	767.952 *	763.761 *	759.570 *	755.378 *	751.187 *

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	734.022 *	740.383 *	748.333 *	757.873 *	760.485 *	763.533 *	767.016 *	770.935 *	775.291 *	767.204 *
85.0	767.891 *	771.879 *	776.802 *	782.513 *	783.661 *	784.752 *	785.462 *	785.948 *	786.162 *	776.813 *
75.0	867.745 *	869.777 *	872.098 *	872.164 *	869.390 *	866.764 *	862.453 *	857.252 *	854.613 *	839.689 *
65.0	942.316 *	942.422 *	942.267 *	938.317 *	931.240 *	918.053 *	902.871 *	888.845 *	893.474 *	893.367 *
55.0	988.916 *	986.698 *	984.822 *	983.092 *	974.118 *	960.606 *	951.579 *	956.688 *	961.204 *	935.601 *
47.5	1018.913 *	1012.950 *	1007.406 *	1004.736 *	1006.122 *	1013.214 *	1022.335 *	1012.341 *	971.488 *	965.934 *
42.5	1045.966 *	1055.593 *	1062.972 *	1061.165 *	1058.785 *	1034.103 *	1018.102 *	1029.807 *	1008.602 *	975.470 *
37.5	1068.636 *	1051.104 *	1037.751 *	1046.656 *	1047.825 *	1078.332 *	1076.703 *	1035.226 *	1038.005 *	990.190 *
33.0	1024.995 *	1017.349 *	1045.035 *	1044.046 *	1040.704 *	1067.774 *	1064.668 *	1062.589 *	1044.602 *	1015.919 *
29.0	906.304 *	931.941 *	944.810 *	1007.812 *	1025.420 *	1022.685 *	1059.172 *	1074.561 *	1055.250 *	1059.521 *
25.5	818.122 *	853.486 *	921.992 *	933.454 *	948.709 *	997.491 *	1001.324 *	1066.188 *	1044.134 *	1062.515 *

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CANDELA TABULATION - (Cont.)

22.5	664.376	* 715.911	* 808.761	* 897.203	* 947.808	* 951.869	* 997.801	* 1049.967	*1050.398	*1057.408	*
19.5	631.211	* 652.264	* 681.597	* 815.286	* 861.954	* 904.323	* 956.911	* 977.687	* 1071.585	*1060.688	*
17.0	628.102	* 620.471	* 656.629	* 786.559	* 792.291	* 965.691	* 929.770	* 967.910	* 1077.288	*1053.261	*
15.0	622.784	* 626.576	* 618.470	* 703.210	* 838.956	* 843.004	* 893.474	* 983.881	* 1070.172	*1047.893	*
13.0	651.198	* 614.258	* 614.436	* 668.488	* 888.980	* 751.995	* 888.542	* 987.191	* 1066.274	*1046.111	*
11.0	650.558	* 636.989	* 615.726	* 630.647	* 833.900	* 750.824	* 900.684	* 971.519	* 1059.699	*1047.346	*
9.0	661.229	* 628.897	* 597.240	* 599.087	* 727.536	* 798.353	* 915.003	* 951.624	* 1051.157	*1051.664	*
7.0	662.224	* 629.238	* 621.727	* 600.018	* 674.964	* 822.773	* 904.978	* 939.073	* 1043.813	*1056.356	*
5.0	681.603	* 651.952	* 635.265	* 612.208	* 646.349	* 821.379	* 875.401	* 940.256	* 1040.938	*1061.036	*
3.0	704.108	* 670.464	* 639.308	* 617.999	* 628.594	* 801.847	* 842.994	* 942.310	* 1040.970	*1066.061	*
1.0	724.772	* 685.865	* 646.281	* 621.503	* 614.760	* 775.284	* 815.128	* 944.384	* 1042.806	*1067.943	*
0.0	731.864	* 691.203	* 649.923	* 621.803	* 609.723	* 765.584	* 804.364	* 944.905	* 1043.725	*1068.885	*
-1.0	733.653	* 695.031	* 653.434	* 623.223	* 614.747	* 763.120	* 811.841	* 950.263	* 1043.707	*1070.032	*
-3.0	730.504	* 698.486	* 655.367	* 625.098	* 627.981	* 770.806	* 832.574	* 960.210	* 1043.670	*1072.321	*
-5.0	724.572	* 700.338	* 647.861	* 629.266	* 643.664	* 785.571	* 856.405	* 970.851	* 1041.318	*1070.636	*
-7.0	716.257	* 701.490	* 628.629	* 649.349	* 661.996	* 803.928	* 886.780	* 983.129	* 1038.876	*1068.670	*
-9.0	711.459	* 679.446	* 623.947	* 661.002	* 672.703	* 825.030	* 921.179	* 1001.906	*1041.394	*1065.904	*
-11.0	690.264	* 636.444	* 634.796	* 656.639	* 685.024	* 847.199	* 959.310	* 1019.730	*1046.217	*1062.719	*
-13.0	637.109	* 621.972	* 635.303	* 648.949	* 701.697	* 861.514	* 1001.933	*1037.615	*1053.290	*1055.178	*
-15.0	616.157	* 638.767	* 636.823	* 641.501	* 738.912	* 887.148	* 1035.696	*1057.906	*1063.737	*1047.298	*
-17.0	640.551	* 613.424	* 613.884	* 658.187	* 796.215	* 886.274	* 1040.981	*1058.692	*1082.241	*1041.033	*
-19.5	624.064	* 601.931	* 612.152	* 720.182	* 860.860	* 890.214	* 1032.360	*1047.433	*1101.529	*1033.926	*
-22.5	602.578	* 639.007	* 707.335	* 841.994	* 800.231	* 970.721	* 985.529	* 1030.270	*1102.470	*1021.125	*
-25.5	712.351	* 772.399	* 858.569	* 755.261	* 881.343	* 1000.605	*970.671	* 1049.478	*1068.582	*1014.675	*
-29.0	875.476	* 816.796	* 763.274	* 912.283	* 979.278	* 876.436	* 1008.277	*1068.235	*1031.330	*1025.329	*
-33.0	904.958	* 960.639	* 995.127	* 891.804	* 886.437	* 991.459	* 1034.394	*1037.703	*1022.503	*1031.636	*
-37.5	911.009	* 911.524	* 953.583	* 995.501	* 1033.446	*1020.497	*1014.248	*1021.267	*1035.479	*1010.677	*
-42.5	1043.342	*1023.193	*1013.865	*1029.802	*1008.149	*1012.514	*1036.679	*1042.473	*1018.561	*969.925	*
-47.5	1017.021	*1020.658	*1020.217	*1018.054	*1033.406	*1042.096	*1035.734	*1006.992	*964.815	* 958.014	*
-55.0	1016.395	*1015.183	*1004.746	*987.075	* 971.633	* 958.571	* 957.169	* 963.604	* 952.640	* 939.673	*
-65.0	937.551	* 937.353	* 935.435	* 927.245	* 918.534	* 906.054	* 896.764	* 889.061	* 873.769	* 873.567	*
-75.0	863.337	* 858.426	* 851.958	* 843.799	* 837.790	* 830.378	* 822.895	* 817.636	* 811.167	* 807.170	*
-85.0	769.864	* 764.531	* 757.742	* 749.591	* 746.341	* 742.816	* 738.325	* 733.006	* 724.636	* 727.885	*
-90.0	746.995	* 742.804	* 737.564	* 731.276	* 725.830	* 719.477	* 712.216	* 704.048	* 694.971	* 701.473	*

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	736.402 *	695.320 *	714.542 *	753.885 *	773.564 *
85.0	750.023 *	714.027 *	725.602 *	757.233 *	773.567 *
75.0	812.292 *	755.025 *	743.043 *	757.714 *	773.574 *
65.0	863.427 *	791.650 *	775.428 *	760.297 *	773.580 *
55.0	888.958 *	834.880 *	803.859 *	764.986 *	773.585 *
47.5	921.885 *	857.353 *	816.196 *	770.120 *	773.589 *
42.5	947.635 *	875.509 *	824.696 *	773.561 *	773.591 *
37.5	972.308 *	892.579 *	833.954 *	777.051 *	773.593 *
33.0	976.645 *	903.930 *	843.027 *	779.451 *	773.595 *
29.0	979.549 *	910.313 *	849.596 *	781.684 *	773.596 *
25.5	978.953 *	917.344 *	855.751 *	783.544 *	773.597 *
22.5	980.332 *	924.158 *	859.850 *	785.253 *	773.598 *
19.5	991.604 *	932.358 *	864.021 *	786.852 *	773.599 *
17.0	1003.153 *	937.784 *	867.638 *	788.098 *	773.599 *
15.0	1012.052 *	941.879 *	870.656 *	789.036 *	773.600 *
13.0	1020.164 *	945.469 *	872.463 *	789.921 *	773.600 *
11.0	1026.964 *	948.616 *	874.328 *	791.654 *	773.600 *
9.0	1032.878 *	951.421 *	876.080 *	792.131 *	773.600 *

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CANDELA TABULATION - (Cont.)

7.0	1036.328	953.725 *	877.714 *	792.611 *	773.601 *
5.0	1038.854	955.549 *	879.669 *	793.094 *	773.601 *
3.0	1040.995	957.369 *	880.761 *	793.577 *	773.601 *
1.0	1041.975	957.913 *	881.856 *	794.304 *	773.601 *
0.0	1042.465	958.185 *	882.404 *	794.304 *	773.601 *
-1.0	1042.096	958.508 *	882.961 *	794.411 *	773.601 *
-3.0	1041.359	959.154 *	884.075 *	794.625 *	773.601 *
-5.0	1040.130	958.822 *	885.187 *	794.839 *	773.601 *
-7.0	1039.009	958.701 *	885.442 *	795.052 *	773.601 *
-9.0	1037.842	958.490 *	886.011 *	795.264 *	773.601 *
-11.0	1035.018	958.272 *	886.455 *	795.475 *	773.602 *
-13.0	1032.234	957.916 *	886.781 *	794.412 *	773.602 *
-15.0	1026.735	957.587 *	887.152 *	794.198 *	773.601 *
-17.0	1020.041	956.870 *	886.212 *	793.922 *	773.601 *
-19.5	1010.581	955.794 *	885.140 *	793.491 *	773.601 *
-22.5	997.065 *	951.670 *	883.775 *	792.846 *	773.601 *
-25.5	986.846 *	947.937 *	882.163 *	792.063 *	773.600 *
-29.0	978.440 *	939.445 *	878.214 *	791.264 *	773.600 *
-33.0	960.242 *	927.726 *	873.370 *	790.196 *	773.599 *
-37.5	951.858 *	912.880 *	866.772 *	789.040 *	773.598 *
-42.5	970.510 *	907.593 *	860.659 *	786.838 *	773.596 *
-47.5	963.855 *	917.934 *	853.869 *	784.643 *	773.594 *
-55.0	907.684 *	921.128 *	850.423 *	781.376 *	773.591 *
-65.0	884.736 *	866.164 *	832.599 *	778.834 *	773.586 *
-75.0	816.258 *	836.323 *	800.053 *	778.170 *	773.580 *
-85.0	751.418 *	787.816 *	788.893 *	779.832 *	773.574 *
-90.0	734.588 *	778.733 *	784.360 *	777.160 *	773.571 *

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 2724.75
Total Field Lumens (one side of beam only) = 2724.75
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	1.09 *	2.18 *	2.20 *	2.21 *	2.22 *	2.22 *	2.22 *	2.22 *	2.22 *	2.76 *
85	2.40 *	4.82 *	4.84 *	4.85 *	4.85 *	4.85 *	4.83 *	4.82 *	4.79 *	5.94 *
75	2.71 *	5.43 *	5.43 *	5.42 *	5.40 *	5.37 *	5.34 *	5.30 *	5.26 *	6.50 *
65	2.97 *	5.93 *	5.90 *	5.87 *	5.83 *	5.78 *	5.72 *	5.66 *	5.59 *	6.88 *
55	2.35 *	4.69 *	4.66 *	4.62 *	4.57 *	4.53 *	4.48 *	4.43 *	4.37 *	5.37 *
47.5	1.54 *	3.08 *	3.08 *	3.07 *	3.06 *	3.05 *	3.03 *	3.02 *	3.00 *	3.70 *
42.5	1.46 *	2.94 *	2.97 *	3.00 *	3.03 *	3.05 *	3.05 *	3.05 *	3.04 *	3.73 *
37.5	1.29 *	2.58 *	2.58 *	2.59 *	2.60 *	2.62 *	2.65 *	2.68 *	2.67 *	3.30 *
33	1.11 *	2.19 *	2.15 *	2.11 *	2.09 *	2.10 *	2.15 *	2.19 *	2.21 *	2.79 *
29	0.81 *	1.60 *	1.58 *	1.56 *	1.57 *	1.59 *	1.64 *	1.70 *	1.75 *	2.26 *
25.5	0.57 *	1.15 *	1.15 *	1.15 *	1.17 *	1.19 *	1.22 *	1.25 *	1.30 *	1.73 *
22.5	0.58 *	1.17 *	1.17 *	1.15 *	1.14 *	1.14 *	1.14 *	1.14 *	1.16 *	1.52 *
19.5	0.49 *	0.98 *	0.99 *	0.98 *	0.98 *	0.97 *	0.94 *	0.93 *	0.92 *	1.17 *
17	0.40 *	0.80 *	0.81 *	0.81 *	0.81 *	0.79 *	0.77 *	0.75 *	0.73 *	0.90 *
15	0.42 *	0.84 *	0.85 *	0.84 *	0.83 *	0.81 *	0.79 *	0.76 *	0.73 *	0.89 *
13	0.44 *	0.87 *	0.86 *	0.85 *	0.85 *	0.84 *	0.81 *	0.78 *	0.74 *	0.89 *
11	0.46 *	0.90 *	0.88 *	0.87 *	0.86 *	0.85 *	0.83 *	0.79 *	0.75 *	0.90 *
9	0.48 *	0.93 *	0.91 *	0.90 *	0.88 *	0.86 *	0.83 *	0.80 *	0.75 *	0.90 *
7	0.48 *	0.95 *	0.93 *	0.92 *	0.90 *	0.88 *	0.84 *	0.81 *	0.76 *	0.91 *
5	0.48 *	0.96 *	0.95 *	0.93 *	0.92 *	0.90 *	0.86 *	0.82 *	0.78 *	0.93 *
3	0.48 *	0.96 *	0.96 *	0.94 *	0.93 *	0.91 *	0.87 *	0.83 *	0.80 *	0.95 *
1	0.24 *	0.48 *	0.48 *	0.48 *	0.47 *	0.45 *	0.44 *	0.42 *	0.40 *	0.48 *
0	0.24 *	0.48 *	0.48 *	0.47 *	0.47 *	0.45 *	0.44 *	0.42 *	0.40 *	0.48 *
-1	0.49 *	0.97 *	0.96 *	0.94 *	0.93 *	0.90 *	0.87 *	0.85 *	0.82 *	0.97 *

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LUMENS TABULATION - (Cont.)

-3	0.49 *	0.97 *	0.96 *	0.94 *	0.91 *	0.89 *	0.87 *	0.85 *	0.83 *	0.99 *
-5	0.48 *	0.96 *	0.95 *	0.94 *	0.91 *	0.89 *	0.87 *	0.85 *	0.83 *	0.99 *
-7	0.47 *	0.94 *	0.94 *	0.93 *	0.91 *	0.89 *	0.87 *	0.85 *	0.83 *	0.98 *
-9	0.46 *	0.93 *	0.93 *	0.92 *	0.90 *	0.88 *	0.85 *	0.83 *	0.80 *	0.95 *
-11	0.46 *	0.92 *	0.92 *	0.91 *	0.88 *	0.86 *	0.83 *	0.80 *	0.77 *	0.92 *
-13	0.46 *	0.91 *	0.90 *	0.88 *	0.86 *	0.83 *	0.80 *	0.76 *	0.74 *	0.91 *
-15	0.44 *	0.88 *	0.87 *	0.85 *	0.82 *	0.79 *	0.76 *	0.74 *	0.73 *	0.89 *
-17	0.53 *	1.05 *	1.03 *	1.00 *	0.96 *	0.94 *	0.92 *	0.91 *	0.90 *	1.10 *
-19.5	0.60 *	1.19 *	1.17 *	1.14 *	1.12 *	1.11 *	1.10 *	1.08 *	1.07 *	1.37 *
-22.5	0.58 *	1.16 *	1.15 *	1.13 *	1.12 *	1.11 *	1.11 *	1.12 *	1.16 *	1.54 *
-25.5	0.68 *	1.37 *	1.37 *	1.37 *	1.38 *	1.41 *	1.46 *	1.52 *	1.56 *	1.97 *
-29	0.88 *	1.77 *	1.79 *	1.81 *	1.83 *	1.84 *	1.86 *	1.90 *	1.95 *	2.45 *
-33	1.20 *	2.41 *	2.42 *	2.43 *	2.42 *	2.39 *	2.33 *	2.29 *	2.28 *	2.90 *
-37.5	1.46 *	2.91 *	2.90 *	2.90 *	2.90 *	2.89 *	2.86 *	2.82 *	2.75 *	3.37 *
-42.5	1.48 *	2.95 *	2.94 *	2.94 *	2.93 *	2.92 *	2.91 *	2.89 *	2.87 *	3.54 *
-47.5	2.21 *	4.43 *	4.44 *	4.45 *	4.45 *	4.43 *	4.40 *	4.36 *	4.32 *	5.31 *
-55	2.85 *	5.71 *	5.72 *	5.73 *	5.73 *	5.72 *	5.70 *	5.67 *	5.62 *	6.90 *
-65	2.74 *	5.48 *	5.46 *	5.43 *	5.40 *	5.36 *	5.31 *	5.25 *	5.17 *	6.35 *
-75	2.58 *	5.13 *	5.09 *	5.04 *	4.98 *	4.92 *	4.85 *	4.77 *	4.69 *	5.74 *
-85	1.21 *	2.40 *	2.37 *	2.35 *	2.32 *	2.29 *	2.25 *	2.22 *	2.18 *	2.66 *
-90										
Total	46.25	92.35	92.07	91.63	91.10	90.46	89.68	88.88	87.97	108.68

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	3.29 *	3.24 *	3.68 *	4.06 *	4.36 *	4.55 *	4.18 *	5.42 *	5.51 *	3.69 *
85	7.04 *	6.91 *	7.84 *	8.64 *	9.25 *	9.63 *	8.82 *	11.40 *	11.55 *	7.62 *
75	7.66 *	7.48 *	8.46 *	9.26 *	9.85 *	10.23 *	9.38 *	12.14 *	12.24 *	7.94 *
65	8.09 *	7.87 *	8.86 *	9.68 *	10.33 *	10.75 *	9.83 *	12.69 *	12.81 *	8.29 *
55	6.30 *	6.12 *	6.92 *	7.61 *	8.12 *	8.37 *	7.62 *	9.84 *	9.93 *	6.41 *

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LUMENS TABULATION - (Cont.)

47.5	4.35 *	4.24 *	4.77 *	5.21 *	5.56 *	5.71 *	5.16 *	6.69 *	6.78 *	4.35 *
42.5	4.39 *	4.30 *	4.88 *	5.34 *	5.65 *	5.82 *	5.26 *	6.80 *	6.92 *	4.40 *
37.5	3.92 *	3.85 *	4.40 *	4.87 *	5.15 *	5.30 *	4.82 *	6.22 *	6.30 *	4.00 *
33	3.39 *	3.38 *	3.86 *	4.26 *	4.58 *	4.74 *	4.34 *	5.60 *	5.61 *	3.58 *
29	2.79 *	2.83 *	3.28 *	3.62 *	3.94 *	4.13 *	3.82 *	4.95 *	4.92 *	3.15 *
25.5	2.21 *	2.28 *	2.68 *	3.00 *	3.29 *	3.51 *	3.26 *	4.24 *	4.23 *	2.72 *
22.5	1.98 *	2.13 *	2.54 *	2.89 *	3.20 *	3.45 *	3.25 *	4.22 *	4.26 *	2.73 *
19.5	1.50 *	1.64 *	2.00 *	2.36 *	2.59 *	2.82 *	2.72 *	3.52 *	3.58 *	2.28 *
17	1.13 *	1.23 *	1.54 *	1.83 *	2.02 *	2.24 *	2.17 *	2.83 *	2.88 *	1.83 *
15	1.08 *	1.19 *	1.50 *	1.75 *	1.98 *	2.24 *	2.17 *	2.83 *	2.90 *	1.84 *
13	1.06 *	1.15 *	1.46 *	1.70 *	1.96 *	2.24 *	2.16 *	2.85 *	2.92 *	1.84 *
11	1.04 *	1.10 *	1.40 *	1.68 *	1.95 *	2.24 *	2.15 *	2.86 *	2.93 *	1.84 *
9	1.04 *	1.05 *	1.35 *	1.67 *	1.96 *	2.23 *	2.15 *	2.87 *	2.94 *	1.85 *
7	1.05 *	1.04 *	1.32 *	1.66 *	1.96 *	2.23 *	2.15 *	2.88 *	2.94 *	1.85 *
5	1.07 *	1.04 *	1.31 *	1.64 *	1.96 *	2.23 *	2.15 *	2.90 *	2.95 *	1.85 *
3	1.08 *	1.04 *	1.29 *	1.61 *	1.96 *	2.23 *	2.15 *	2.90 *	2.95 *	1.85 *
1	0.54 *	0.52 *	0.64 *	0.80 *	0.98 *	1.12 *	1.08 *	1.45 *	1.48 *	0.93 *
0	0.54 *	0.52 *	0.64 *	0.80 *	0.98 *	1.12 *	1.08 *	1.45 *	1.48 *	0.93 *
-1	1.10 *	1.05 *	1.28 *	1.60 *	1.96 *	2.24 *	2.15 *	2.91 *	2.95 *	1.85 *
-3	1.10 *	1.06 *	1.29 *	1.61 *	1.97 *	2.25 *	2.16 *	2.90 *	2.95 *	1.85 *
-5	1.11 *	1.07 *	1.31 *	1.63 *	1.99 *	2.26 *	2.16 *	2.89 *	2.94 *	1.86 *
-7	1.10 *	1.08 *	1.33 *	1.67 *	2.02 *	2.27 *	2.16 *	2.89 *	2.94 *	1.86 *
-9	1.09 *	1.09 *	1.36 *	1.71 *	2.05 *	2.29 *	2.17 *	2.88 *	2.94 *	1.86 *
-11	1.08 *	1.09 *	1.37 *	1.75 *	2.09 *	2.31 *	2.17 *	2.87 *	2.93 *	1.86 *
-13	1.08 *	1.11 *	1.41 *	1.80 *	2.13 *	2.32 *	2.17 *	2.86 *	2.93 *	1.86 *
-15	1.07 *	1.14 *	1.46 *	1.85 *	2.16 *	2.32 *	2.17 *	2.85 *	2.92 *	1.86 *
-17	1.37 *	1.50 *	1.90 *	2.35 *	2.71 *	2.91 *	2.72 *	3.54 *	3.64 *	2.33 *
-19.5	1.78 *	1.93 *	2.37 *	2.86 *	3.25 *	3.51 *	3.26 *	4.22 *	4.34 *	2.79 *

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LUMENS TABULATION - (Cont.)

-22.5	1.96 *	1.99 *	2.47 *	2.91 *	3.23 *	3.52 *	3.23 *	4.18 *	4.32 *	2.78 *
-25.5	2.37 *	2.48 *	2.98 *	3.36 *	3.80 *	4.10 *	3.74 *	4.85 *	5.01 *	3.23 *
-29	2.94 *	2.95 *	3.40 *	3.91 *	4.41 *	4.63 *	4.26 *	5.52 *	5.65 *	3.67 *
-33	3.51 *	3.44 *	4.01 *	4.55 *	4.92 *	5.17 *	4.78 *	6.16 *	6.27 *	4.09 *
-37.5	4.04 *	4.04 *	4.62 *	5.08 *	5.49 *	5.76 *	5.23 *	6.76 *	6.95 *	4.52 *
-42.5	4.18 *	4.09 *	4.64 *	5.16 *	5.52 *	5.63 *	5.08 *	6.70 *	6.98 *	4.52 *
-47.5	6.22 *	6.05 *	6.85 *	7.53 *	7.98 *	8.18 *	7.46 *	9.82 *	10.34 *	6.78 *
-55	8.03 *	7.72 *	8.62 *	9.39 *	10.03 *	10.41 *	9.55 *	12.59 *	13.35 *	8.88 *
-65	7.41 *	7.17 *	8.06 *	8.79 *	9.33 *	9.62 *	8.85 *	11.87 *	12.78 *	8.57 *
-75	6.69 *	6.49 *	7.32 *	8.00 *	8.49 *	8.76 *	8.07 *	10.91 *	12.02 *	8.28 *
-85	3.10 *	3.01 *	3.40 *	3.72 *	3.96 *	4.09 *	3.77 *	5.14 *	5.76 *	4.05 *
-90										
Total	128.90	127.71	148.06	167.15	183.08	193.69	179.17	234.89	241.89	157.08

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	1.92 *	0.25 *	65.68
85	3.89 *	0.50 *	140.08
75	3.96 *	0.50 *	151.25
65	4.04 *	0.50 *	159.86
55	3.08 *	0.37 *	124.75
47.5	2.07 *	0.25 *	84.76
42.5	2.08 *	0.25 *	85.40
37.5	1.88 *	0.23 *	76.48
33	1.68 *	0.20 *	66.32
29	1.48 *	0.18 *	55.13
25.5	1.27 *	0.15 *	44.72
22.5	1.28 *	0.15 *	43.39
19.5	1.07 *	0.13 *	35.55
17	0.85 *	0.10 *	28.24

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LUMENS TABULATION - (Cont.)

15			
	0.85 *	0.10 *	28.22
13			
	0.86 *	0.10 *	28.24
11			
	0.86 *	0.10 *	28.23
9			
	0.86 *	0.10 *	28.30
7			
	0.86 *	0.10 *	28.43
5			
	0.86 *	0.10 *	28.56
3			
	0.86 *	0.10 *	28.64
1			
	0.43 *	0.05 *	14.34
0			
	0.43 *	0.05 *	14.35
-1			
	0.86 *	0.10 *	28.74
-3			
	0.86 *	0.10 *	28.79
-5			
	0.86 *	0.10 *	28.87
-7			
	0.86 *	0.10 *	28.90
-9			
	0.86 *	0.10 *	28.86
-11			
	0.86 *	0.10 *	28.78
-13			
	0.86 *	0.10 *	28.68
-15			
	0.86 *	0.10 *	28.55
-17			
	1.08 *	0.13 *	35.52
-19.5			
	1.29 *	0.15 *	42.72
-22.5			
	1.29 *	0.15 *	43.22
-25.5			
	1.51 *	0.18 *	51.70
-29			
	1.72 *	0.20 *	61.33
-33			
	1.92 *	0.23 *	72.11
-37.5			
	2.13 *	0.25 *	82.62
-42.5			
	2.13 *	0.25 *	83.24
-47.5			
	3.18 *	0.38 *	123.58
-55			
	4.21 *	0.50 *	158.63
-65			
	4.14 *	0.50 *	149.05

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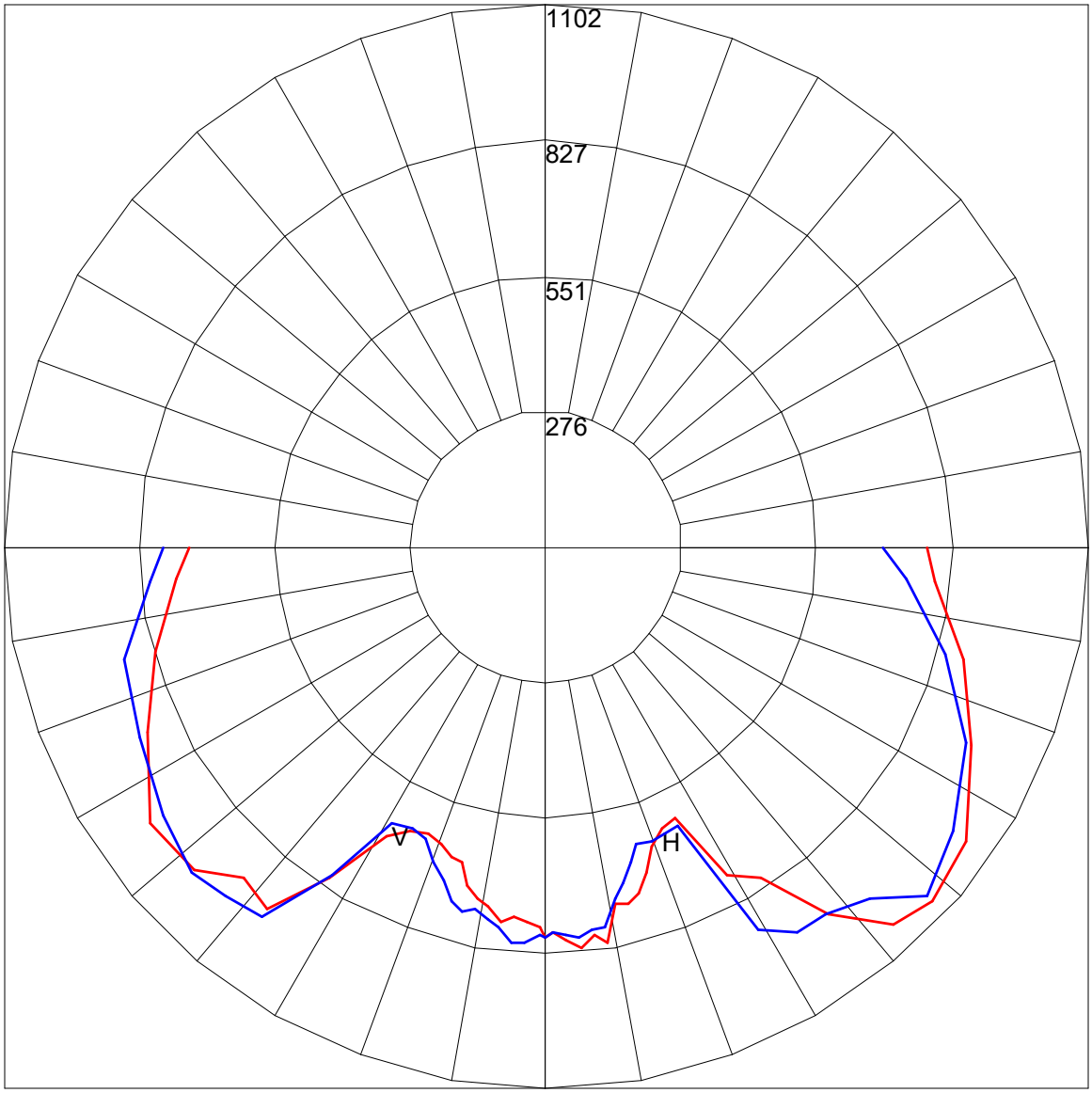
LUMENS TABULATION - (Cont.)

-75			
	4.09 *	0.50 *	137.42
-85			
	2.03 *	0.25 *	64.52
-90			
Total	75.03	9.05	2724.75

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AXIAL CANDELA DISPLAY

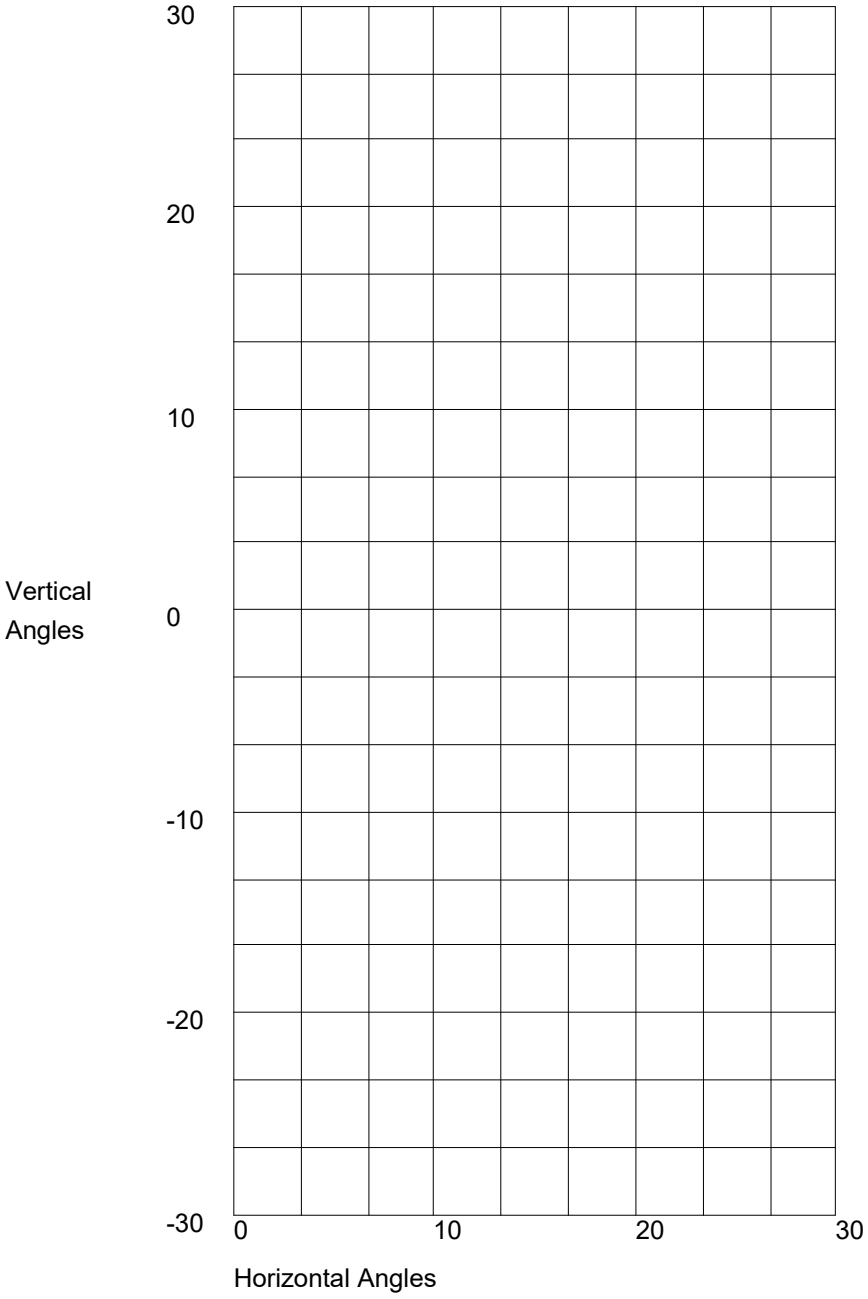


Maximum Candela = 1102.47 Located At Horizontal Angle = 42.5, Vertical Angle =-22.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

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ISOCANDELA CURVES



Maximum Candela = 1102.47 Located At Horizontal Angle = 42.5, Vertical Angle =-22.5
50% Maximum Candela = 551.235
10% Maximum Candela = 110.247

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