IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-MJ-15W-LED-XX-WLM.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 193033
[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-15W-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	330.844
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	2242 (1 lamp)
Total Lamp Lumens	2242
Beam Lumens	1635
Beam Efficiency	73 %
Field Lumens	1635
Field Efficiency	73 %
Spill Lumens	0
Luminaire Lumens	1635
Total Efficiency	73 %
Total Luminaire Watts	14.9
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	232.152	90	205.958
85	238.365	85	220.936
75	264.804	75	251.93
65	287.545	65	282.419
55	312.837	55	303.072
47.5	320.766	47.5	314.878
42.5	313.215	42.5	292.251
37.5	283.56	37.5	282.077
33	241.384	33	281.693
29	229.747	29	266.91
25.5	182.974	25.5	188.166
22.5	186.599	22.5	188.922
19.5	195.038	19.5	191.533
17	207.426	17	189.828
15	219.628	15	199.545
13	224.099	13	210.871
11	222.767	11	219.459
9	244.631	9	234.866
7	238.305	7	236.331
5	246.276	5	239.758
3	240.526	3	237.861
1	236.199	1	235.298
0	239.302	0	239.302
-1	232.694	-1	236.559
-3	229.315	-3	242.627
-5	226.866	-5	242.375
-7	230.899	-7	233.75
-9	222.718	-9	230.089
-11	219.435	-11	226.146
-13	212.185	-13	228.456
-15	199.083	-15	223.775
-17	198.447	-17	213.83
-19.5	193.087	-19.5	204.959
-22.5	189.084	-22.5	193.135
-25.5	191.593	-25.5	190.752
-29	202.414	-29	193.975
-33	241.63	-33	239.728
-37.5	279.719	-37.5	285.582
-42.5	273.837	-42.5	289.838
-47.5	292.281	-47.5	293.775
-55	295.726	-55	286.303
-65	268.093	-65	274.563
-75	246.852	-75	266.484
-85	226.374	-85	242.195
-90	218.127	-90	233.602

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CANDELA TABULATION
Maximum Candela = 330.844
Beam Edge = 165.422 Cd (50% of Max.)
Field Edge = 33.0844 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	218.086 *	215.527 *	210.399 *	209.162 *	219.597 *	227.422 *	230.043 *	230.069 *	230.093 *	230.113 *
85.0	218.089 *	217.377 *	214.679 *	215.524 *	227.488 *	236.258 *	239.107 *	238.857 *	238.552 *	238.317 *
75.0	218.095 *	219.444 *	219.457 *	227.044 *	243.545 *	254.679 *	259.192 *	259.156 *	259.192 *	259.375 *
65.0	218.101 *	221.053 *	227.356 *	238.956 *	254.625 *	264.055 *	268.703 *	270.055 *	271.432 *	273.073 *
55.0	218.107 *	222.032 *	235.392 *	248.514 *	265.424 *	272.506 *	280.510 *	282.444 *	281.011 *	280.655 *
47.5	218.111 *	222.719 *	238.505 *	255.761 *	268.708 *	282.613 *	279.916 *	284.420 *	291.610 *	293.776 *
42.5	218.114 *	223.202 *	240.124 *	259.072 *	275.559 *	278.625 *	284.802 *	293.959 *	289.835 *	294.756 *
37.5	218.116 *	223.717 *	241.255 *	260.433 *	282.344 *	281.820 *	294.933 *	289.832 *	300.690 *	305.555 *
33.0	218.118 *	224.149 *	242.315 *	262.384 *	279.766 *	290.245 *	294.849 *	292.010 *	299.235 *	296.769 *
29.0	218.120 *	224.546 *	243.701 *	263.902 *	275.794 *	298.030 *	285.689 *	294.095 *	291.888 *	296.277 *
25.5	218.121 *	224.864 *	245.117 *	264.938 *	276.036 *	300.810 *	280.629 *	293.169 *	275.943 *	291.135 *
22.5	218.122 *	225.141 *	245.892 *	265.616 *	278.270 *	293.022 *	282.049 *	285.941 *	264.107 *	279.392 *
19.5	218.123 *	225.391 *	246.382 *	266.555 *	281.010 *	285.692 *	286.050 *	266.745 *	277.468 *	252.423 *
17.0	218.124 *	225.579 *	246.523 *	267.319 *	284.168 *	283.939 *	288.744 *	251.576 *	280.594 *	231.278 *
15.0	218.124 *	225.716 *	246.631 *	267.798 *	286.925 *	283.245 *	291.525 *	243.452 *	261.944 *	241.644 *
13.0	218.125 *	225.841 *	246.743 *	268.075 *	289.864 *	282.997 *	291.193 *	245.727 *	246.134 *	251.678 *
11.0	218.125 *	226.121 *	246.858 *	268.254 *	291.581 *	283.259 *	287.550 *	255.281 *	227.393 *	242.169 *
9.0	218.125 *	226.167 *	246.937 *	268.455 *	293.092 *	284.714 *	282.915 *	266.118 *	222.342 *	226.538 *
7.0	218.126 *	226.213 *	246.979 *	268.543 *	294.042 *	286.558 *	278.853 *	275.555 *	224.486 *	214.660 *
5.0	218.126 *	226.259 *	247.087 *	268.527 *	294.763 *	288.549 *	276.546 *	278.374 *	229.758 *	207.853 *
3.0	218.126 *	226.305 *	246.993 *	268.499 *	295.451 *	290.661 *	274.554 *	279.536 *	235.542 *	204.473 *
1.0	218.127 *	226.351 *	246.899 *	268.228 *	295.634 *	291.740 *	274.076 *	279.635 *	240.212 *	202.619 *
0.0	218.127 *	226.374 *	246.852 *	268.093 *	295.726 *	292.281 *	273.837 *	279.719 *	241.630 *	202.414 *
-1.0	218.127 *	226.374 *	247.091 *	268.247 *	295.357 *	291.994 *	274.239 *	279.001 *	240.725 *	202.012 *
-3.0	218.127 *	226.550 *	247.569 *	268.554 *	294.620 *	291.422 *	275.041 *	278.301 *	237.713 *	202.375 *
-5.0	218.127 *	226.667 *	248.046 *	268.698 *	293.582 *	290.175 *	277.471 *	278.273 *	235.224 *	203.549 *
-7.0	218.126 *	226.784 *	248.324 *	268.888 *	292.662 *	289.308 *	280.294 *	278.667 *	234.410 *	205.779 *
-9.0	218.126 *	226.901 *	248.668 *	269.078 *	291.782 *	288.820 *	284.124 *	277.391 *	235.901 *	208.369 *
-11.0	218.126 *	227.016 *	248.975 *	269.287 *	290.699 *	288.864 *	287.714 *	275.423 *	241.662 *	210.055 *
-13.0	218.126 *	226.900 *	249.246 *	269.645 *	289.752 *	289.605 *	289.570 *	272.068 *	249.723 *	209.219 *
-15.0	218.125 *	226.936 *	249.519 *	270.072 *	288.062 *	289.941 *	288.083 *	269.613 *	257.612 *	219.399 *
-17.0	218.125 *	226.959 *	249.730 *	270.380 *	286.553 *	289.494 *	285.720 *	268.949 *	260.955 *	234.156 *
-19.5	218.125 *	226.971 *	249.964 *	270.702 *	284.725 *	288.158 *	284.843 *	270.360 *	271.644 *	237.328 *
-22.5	218.124 *	226.957 *	249.841 *	270.806 *	283.120 *	286.724 *	284.230 *	283.610 *	270.890 *	245.219 *
-25.5	218.123 *	226.913 *	249.326 *	270.679 *	282.016 *	283.894 *	286.584 *	287.388 *	254.296 *	277.279 *
-29.0	218.122 *	226.869 *	248.018 *	268.757 *	279.958 *	281.273 *	286.790 *	286.164 *	272.599 *	246.866 *
-33.0	218.121 *	226.783 *	247.029 *	265.648 *	273.864 *	285.689 *	285.544 *	275.063 *	287.971 *	264.809 *
-37.5	218.119 *	226.690 *	246.996 *	262.855 *	269.513 *	282.590 *	285.230 *	282.317 *	266.249 *	289.003 *
-42.5	218.117 *	226.515 *	247.379 *	262.371 *	274.504 *	274.148 *	279.316 *	287.647 *	284.048 *	272.802 *
-47.5	218.115 *	226.360 *	247.244 *	264.522 *	273.770 *	268.809 *	269.373 *	271.813 *	288.792 *	288.123 *
-55.0	218.111 *	226.172 *	247.144 *	263.028 *	261.043 *	264.769 *	268.916 *	268.335 *	264.924 *	266.490 *
-65.0	218.106 *	225.896 *	241.114 *	255.182 *	253.556 *	253.587 *	249.721 *	251.890 *	254.491 *	257.078 *
-75.0	218.100 *	224.968 *	233.637 *	246.047 *	240.656 *	232.181 *	228.914 *	231.614 *	234.687 *	237.271 *
-85.0	218.094 *	223.458 *	231.770 *	233.571 *	219.629 *	209.713 *	207.424 *	209.882 *	211.974 *	213.936 *
-90.0	218.091 *	221.847 *	229.357 *	231.481 *	217.452 *	206.930 *	203.735 *	204.359 *	204.921 *	205.419 *

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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	230.131 *	230.146 *	226.921 *	224.233 *	222.083 *	219.933 *	217.783 *	215.633 *	213.483 *	211.333 *
85.0	238.105 *	237.911 *	235.698 *	233.817 *	232.320 *	230.824 *	229.572 *	228.002 *	226.432 *	224.862 *
75.0	259.252 *	259.057 *	258.250 *	257.474 *	256.906 *	256.275 *	255.672 *	255.053 *	254.413 *	253.872 *
65.0	274.321 *	275.152 *	275.999 *	276.798 *	277.451 *	278.097 *	278.801 *	279.483 *	280.190 *	280.892 *
55.0	281.801 *	283.969 *	286.535 *	288.903 *	290.768 *	292.658 *	294.479 *	296.394 *	298.071 *	299.652 *
47.5	293.421 *	296.836 *	301.568 *	303.444 *	303.321 *	303.182 *	303.481 *	305.231 *	307.472 *	309.860 *
42.5	302.183 *	304.854 *	303.633 *	304.040 *	305.318 *	303.925 *	302.066 *	300.070 *	298.112 *	296.258 *
37.5	301.526 *	300.623 *	299.591 *	306.890 *	308.048 *	298.674 *	295.854 *	294.961 *	291.417 *	287.811 *
33.0	300.484 *	305.325 *	294.724 *	288.016 *	282.202 *	270.610 *	261.694 *	261.298 *	265.184 *	270.846 *
29.0	301.677 *	290.477 *	281.830 *	268.473 *	263.615 *	257.554 *	247.196 *	237.894 *	238.235 *	245.323 *
25.5	283.218 *	274.596 *	256.648 *	240.049 *	223.082 *	212.929 *	203.722 *	197.355 *	193.109 *	190.998 *
22.5	258.586 *	252.263 *	225.418 *	204.078 *	195.910 *	193.395 *	194.670 *	189.882 *	184.701 *	186.951 *
19.5	252.864 *	221.827 *	197.445 *	192.130 *	188.833 *	186.413 *	190.964 *	191.144 *	194.295 *	200.027 *
17.0	235.554 *	198.227 *	188.376 *	185.703 *	184.004 *	187.934 *	196.998 *	199.701 *	198.438 *	196.213 *
15.0	213.640 *	188.250 *	185.195 *	183.238 *	186.631 *	195.756 *	196.817 *	201.155 *	212.159 *	211.527 *
13.0	198.850 *	181.481 *	182.883 *	185.071 *	192.313 *	196.961 *	204.492 *	213.039 *	211.388 *	213.322 *
11.0	189.245 *	181.842 *	185.042 *	187.125 *	191.743 *	202.250 *	211.553 *	212.630 *	217.797 *	218.059 *
9.0	183.723 *	182.248 *	183.619 *	188.212 *	195.046 *	206.516 *	210.362 *	214.638 *	220.109 *	222.837 *
7.0	181.943 *	183.091 *	184.906 *	186.531 *	200.721 *	205.003 *	211.537 *	217.007 *	215.133 *	225.813 *
5.0	183.775 *	185.238 *	188.906 *	190.925 *	200.176 *	205.073 *	210.130 *	226.462 *	224.799 *	221.006 *
3.0	187.156 *	187.604 *	190.975 *	195.686 *	200.200 *	209.689 *	214.958 *	232.036 *	222.286 *	223.355 *
1.0	190.328 *	188.719 *	192.284 *	198.284 *	199.665 *	211.825 *	219.349 *	225.399 *	228.049 *	225.328 *
0.0	191.593 *	189.084 *	193.087 *	198.447 *	199.083 *	212.185 *	219.435 *	222.718 *	230.899 *	226.866 *
-1.0	191.379 *	189.290 *	195.462 *	202.072 *	200.969 *	212.743 *	218.035 *	223.151 *	229.965 *	230.333 *
-3.0	190.609 *	189.538 *	200.860 *	208.163 *	204.501 *	212.085 *	215.818 *	221.619 *	226.876 *	234.125 *
-5.0	190.391 *	189.058 *	206.114 *	213.307 *	209.209 *	209.673 *	217.249 *	220.585 *	230.533 *	239.105 *
-7.0	191.804 *	188.124 *	207.770 *	214.658 *	217.507 *	211.855 *	218.696 *	222.495 *	234.708 *	235.228 *
-9.0	193.449 *	186.829 *	199.112 *	208.647 *	216.714 *	213.484 *	216.217 *	223.055 *	227.079 *	231.403 *
-11.0	195.970 *	186.529 *	190.254 *	203.168 *	205.694 *	210.400 *	216.885 *	219.645 *	222.198 *	225.621 *
-13.0	194.771 *	188.739 *	186.444 *	190.552 *	196.581 *	201.189 *	207.374 *	216.340 *	220.712 *	223.060 *
-15.0	199.228 *	190.569 *	181.078 *	186.336 *	185.178 *	192.014 *	199.798 *	207.401 *	213.089 *	218.125 *
-17.0	206.283 *	189.396 *	184.321 *	180.927 *	184.463 *	183.101 *	189.428 *	196.181 *	201.604 *	208.571 *
-19.5	221.509 *	199.383 *	184.674 *	181.700 *	179.483 *	183.467 *	181.098 *	181.945 *	187.755 *	194.335 *
-22.5	236.789 *	223.781 *	197.730 *	183.357 *	181.859 *	178.302 *	178.946 *	185.044 *	184.967 *	185.234 *
-25.5	227.732 *	237.479 *	227.635 *	204.892 *	190.801 *	182.973 *	180.368 *	181.390 *	182.195 *	184.219 *
-29.0	279.920 *	229.947 *	226.547 *	242.074 *	233.163 *	216.669 *	205.940 *	199.287 *	194.586 *	192.535 *
-33.0	240.407 *	270.396 *	269.132 *	233.914 *	217.830 *	219.073 *	237.497 *	246.313 *	246.337 *	243.928 *
-37.5	285.209 *	259.223 *	242.341 *	249.199 *	268.355 *	283.397 *	285.654 *	283.486 *	280.378 *	280.012 *
-42.5	272.905 *	288.615 *	287.304 *	287.570 *	280.818 *	274.826 *	272.782 *	272.721 *	274.497 *	278.045 *
-47.5	285.634 *	278.486 *	275.859 *	275.098 *	277.761 *	282.515 *	287.886 *	292.129 *	294.022 *	294.343 *
-55.0	272.796 *	281.443 *	289.475 *	292.806 *	292.885 *	291.879 *	290.687 *	289.588 *	288.624 *	287.811 *
-65.0	260.437 *	264.257 *	268.586 *	271.265 *	272.687 *	273.415 *	273.911 *	274.055 *	274.163 *	274.256 *
-75.0	238.962 *	240.475 *	244.090 *	247.472 *	250.107 *	252.476 *	254.821 *	257.084 *	259.273 *	261.525 *
-85.0	215.625 *	216.997 *	220.476 *	223.385 *	225.687 *	227.966 *	230.597 *	232.705 *	234.814 *	236.923 *
-90.0	205.855 *	206.229 *	209.879 *	212.920 *	215.353 *	217.787 *	220.220 *	222.653 *	225.086 *	227.519 *

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	209.183 *	207.033 *	205.958 *	206.913 *	208.822 *	210.731 *	212.640 *	214.549 *	216.458 *	218.366 *
85.0	223.291 *	221.721 *	220.936 *	221.606 *	222.947 *	224.287 *	225.627 *	226.968 *	228.308 *	229.228 *
75.0	253.096 *	252.319 *	251.930 *	252.601 *	253.943 *	255.285 *	256.312 *	257.428 *	258.474 *	259.445 *
65.0	281.670 *	282.169 *	282.419 *	282.489 *	282.628 *	282.518 *	282.505 *	282.525 *	282.621 *	282.663 *

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CANDELA TABULATION - (Cont.)

55.0	301.284 * 302.476 * 303.072 * 302.743 * 302.085 * 301.065 * 300.154 * 299.250 * 298.252 * 297.482 *
47.5	312.574 * 314.110 * 314.878 * 314.624 * 314.117 * 312.463 * 311.157 * 309.757 * 308.369 * 307.064 *
42.5	294.493 * 292.999 * 292.251 * 293.139 * 294.912 * 297.073 * 299.406 * 302.480 * 306.089 * 309.622 *
37.5	284.482 * 282.290 * 282.077 * 284.265 * 290.670 * 298.893 * 308.200 * 317.616 * 320.990 * 321.097 *
33.0	275.865 * 280.387 * 281.693 * 280.919 * 278.229 * 277.032 * 277.930 * 282.500 * 293.261 * 307.341 *
29.0	253.492 * 262.593 * 266.910 * 264.513 * 259.941 * 258.081 * 255.905 * 257.788 * 264.044 * 266.820 *
25.5	190.388 * 188.954 * 188.166 * 188.746 * 190.370 * 192.733 * 197.419 * 203.118 * 212.052 * 226.783 *
22.5	189.005 * 189.672 * 188.922 * 188.732 * 187.313 * 187.194 * 189.228 * 192.762 * 192.742 * 195.668 *
19.5	197.362 * 193.294 * 191.533 * 192.973 * 194.559 * 192.332 * 188.599 * 186.270 * 187.034 * 190.627 *
17.0	195.210 * 192.490 * 189.828 * 191.222 * 192.276 * 192.498 * 195.884 * 202.378 * 193.571 * 187.165 *
15.0	206.077 * 201.620 * 199.545 * 199.923 * 200.725 * 202.411 * 203.708 * 200.423 * 199.505 * 197.685 *
13.0	215.060 * 212.999 * 210.871 * 211.319 * 212.065 * 210.984 * 205.619 * 206.597 * 207.132 * 201.409 *
11.0	220.803 * 221.019 * 219.459 * 216.961 * 208.880 * 203.422 * 212.425 * 212.653 * 209.324 * 205.921 *
9.0	230.226 * 233.889 * 234.866 * 231.254 * 220.110 * 216.393 * 213.886 * 212.509 * 213.061 * 205.906 *
7.0	230.271 * 234.598 * 236.331 * 234.191 * 227.102 * 230.130 * 230.877 * 221.252 * 214.243 * 208.992 *
5.0	228.255 * 236.372 * 239.758 * 239.359 * 237.814 * 238.197 * 233.808 * 227.147 * 225.720 * 212.761 *
3.0	222.416 * 231.061 * 237.861 * 240.413 * 255.782 * 243.345 * 232.609 * 232.218 * 226.161 * 218.645 *
1.0	224.976 * 229.575 * 235.298 * 241.834 * 250.838 * 249.463 * 237.399 * 240.725 * 224.139 * 222.587 *
0.0	229.315 * 232.694 * 239.302 * 236.199 * 240.526 * 246.276 * 238.305 * 244.631 * 222.767 * 224.099 *
-1.0	235.538 * 239.149 * 236.559 * 240.183 * 242.057 * 242.267 * 236.385 * 240.837 * 222.196 * 223.761 *
-3.0	238.912 * 243.601 * 242.627 * 240.047 * 232.359 * 240.416 * 230.965 * 232.610 * 221.107 * 223.940 *
-5.0	235.515 * 239.695 * 242.375 * 239.242 * 236.871 * 232.301 * 231.857 * 223.776 * 222.213 * 225.418 *
-7.0	237.928 * 233.930 * 233.750 * 233.115 * 232.110 * 233.632 * 230.759 * 222.753 * 225.877 * 221.781 *
-9.0	229.538 * 230.909 * 230.089 * 231.529 * 231.437 * 229.308 * 226.611 * 230.717 * 220.316 * 215.176 *
-11.0	227.683 * 227.431 * 226.146 * 227.921 * 231.332 * 230.478 * 229.975 * 219.376 * 213.081 * 212.121 *
-13.0	224.067 * 226.998 * 228.456 * 228.646 * 228.135 * 224.968 * 217.595 * 213.614 * 211.106 * 207.432 *
-15.0	221.625 * 223.430 * 223.775 * 222.633 * 219.448 * 216.433 * 213.457 * 210.349 * 202.771 * 188.919 *
-17.0	211.924 * 213.501 * 213.830 * 213.393 * 211.714 * 208.332 * 200.945 * 193.669 * 187.277 * 186.201 *
-19.5	199.511 * 203.530 * 204.959 * 203.176 * 198.677 * 193.392 * 186.921 * 186.033 * 192.461 * 186.219 *
-22.5	188.036 * 191.548 * 193.135 * 193.249 * 192.498 * 190.923 * 188.160 * 188.837 * 191.463 * 186.009 *
-25.5	186.674 * 189.169 * 190.752 * 191.037 * 191.927 * 191.949 * 189.047 * 187.112 * 192.050 * 202.640 *
-29.0	192.373 * 193.012 * 193.975 * 195.798 * 200.768 * 206.627 * 214.206 * 225.835 * 243.555 * 259.151 *
-33.0	241.428 * 239.813 * 239.728 * 241.280 * 244.995 * 247.428 * 247.178 * 243.255 * 238.913 * 248.902 *
-37.5	280.770 * 283.324 * 285.582 * 286.577 * 290.126 * 294.413 * 298.539 * 298.070 * 291.514 * 281.654 *
-42.5	281.851 * 287.173 * 289.838 * 290.271 * 291.136 * 293.492 * 296.061 * 300.817 * 306.563 * 311.671 *
-47.5	293.809 * 293.786 * 293.775 * 294.460 * 295.829 * 297.966 * 299.432 * 300.597 * 301.611 * 303.353 *
-55.0	287.029 * 286.545 * 286.303 * 287.632 * 290.288 * 293.174 * 296.037 * 298.959 * 301.529 * 303.882 *
-65.0	274.300 * 274.475 * 274.563 * 275.134 * 276.277 * 277.483 * 278.591 * 279.592 * 280.442 * 281.030 *
-75.0	263.508 * 265.492 * 266.484 * 266.110 * 265.363 * 264.616 * 263.570 * 262.581 * 261.499 * 260.310 *
-85.0	239.032 * 241.141 * 242.195 * 241.499 * 240.107 * 238.715 * 237.324 * 235.932 * 234.540 * 232.605 *
-90.0	229.952 * 232.385 * 233.602 * 232.973 * 231.715 * 230.457 * 229.200 * 227.942 * 226.684 * 225.426 *

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	220.275 *	222.184 *	224.570 *	227.433 *	228.217 *	229.131 *	230.177 *	231.353 *	232.660 *	230.233 *
85.0	230.439 *	231.636 *	233.113 *	234.827 *	235.171 *	235.499 *	235.712 *	235.858 *	235.922 *	233.117 *
75.0	260.405 *	261.014 *	261.711 *	261.731 *	260.898 *	260.110 *	258.816 *	257.256 *	256.464 *	251.986 *
65.0	282.783 *	282.815 *	282.768 *	281.583 *	279.459 *	275.502 *	270.946 *	266.737 *	268.126 *	268.094 *
55.0	296.767 *	296.102 *	295.539 *	295.020 *	292.326 *	288.272 *	285.563 *	287.096 *	288.451 *	280.768 *
47.5	305.769 *	303.980 *	302.316 *	301.515 *	301.930 *	304.059 *	306.796 *	303.797 *	291.537 *	289.870 *
42.5	313.887 *	316.776 *	318.991 *	318.449 *	317.735 *	310.328 *	305.526 *	309.038 *	302.675 *	292.732 *
37.5	320.691 *	315.429 *	311.422 *	314.094 *	314.446 *	323.601 *	323.111 *	310.665 *	311.498 *	297.149 *
33.0	307.594 *	305.300 *	313.608 *	313.311 *	312.309 *	320.432 *	319.500 *	318.876 *	313.479 *	304.870 *
29.0	271.976 *	279.669 *	283.531 *	302.438 *	307.722 *	306.901 *	317.850 *	322.469 *	316.674 *	317.955 *
25.5	245.513 *	256.126 *	276.684 *	280.124 *	284.701 *	299.341 *	300.491 *	319.956 *	313.338 *	318.854 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-MJ-15W-LED-XX-WLM.IES

CANDELA TABULATION - (Cont.)

22.5	199.375 *	214.840 *	242.704 *	269.245 *	284.431 *	285.650 *	299.434 *	315.088 *	315.218 *	317.322 *
19.5	189.423 *	195.740 *	204.543 *	244.662 *	258.667 *	271.381 *	287.162 *	293.398 *	321.576 *	318.306 *
17.0	188.489 *	186.200 *	197.050 *	236.041 *	237.761 *	289.797 *	279.018 *	290.464 *	323.287 *	316.077 *
15.0	186.893 *	188.032 *	185.599 *	211.029 *	251.765 *	252.980 *	268.126 *	295.256 *	321.152 *	314.466 *
13.0	195.420 *	184.335 *	184.388 *	200.609 *	266.777 *	225.668 *	266.646 *	296.250 *	319.982 *	313.931 *
11.0	195.228 *	191.157 *	184.775 *	189.253 *	250.248 *	225.317 *	270.289 *	291.547 *	318.009 *	314.302 *
9.0	198.430 *	188.728 *	179.227 *	179.782 *	218.329 *	239.580 *	274.587 *	285.576 *	315.445 *	315.598 *
7.0	198.730 *	188.830 *	186.576 *	180.061 *	202.552 *	246.908 *	271.578 *	281.809 *	313.242 *	317.006 *
5.0	204.545 *	195.646 *	190.639 *	183.720 *	193.965 *	246.490 *	262.702 *	282.165 *	312.379 *	318.410 *
3.0	211.298 *	201.202 *	191.852 *	185.457 *	188.637 *	240.629 *	252.977 *	282.781 *	312.388 *	319.919 *
1.0	217.500 *	205.824 *	193.945 *	186.509 *	184.485 *	232.658 *	244.614 *	283.404 *	312.939 *	320.483 *
0.0	219.628 *	207.426 *	195.038 *	186.599 *	182.974 *	229.747 *	241.384 *	283.560 *	313.215 *	320.766 *
-1.0	220.165 *	208.575 *	196.092 *	187.025 *	184.482 *	229.008 *	243.628 *	285.168 *	313.209 *	321.110 *
-3.0	219.220 *	209.611 *	196.671 *	187.588 *	188.453 *	231.314 *	249.850 *	288.153 *	313.198 *	321.797 *
-5.0	217.439 *	210.167 *	194.419 *	188.838 *	193.159 *	235.744 *	257.002 *	291.346 *	312.493 *	321.291 *
-7.0	214.944 *	210.513 *	188.648 *	194.866 *	198.661 *	241.253 *	266.117 *	295.030 *	311.760 *	320.701 *
-9.0	213.504 *	203.897 *	187.242 *	198.362 *	201.874 *	247.586 *	276.440 *	300.665 *	312.516 *	319.871 *
-11.0	207.144 *	190.993 *	190.498 *	197.053 *	205.572 *	254.239 *	287.883 *	306.014 *	313.963 *	318.915 *
-13.0	191.192 *	186.650 *	190.650 *	194.745 *	210.575 *	258.535 *	300.673 *	311.381 *	316.086 *	316.652 *
-15.0	184.905 *	191.690 *	191.107 *	192.510 *	221.742 *	266.227 *	310.806 *	317.471 *	319.221 *	314.287 *
-17.0	192.225 *	184.085 *	184.222 *	197.518 *	238.939 *	265.965 *	312.392 *	317.706 *	324.774 *	312.407 *
-19.5	187.278 *	180.635 *	183.702 *	216.122 *	258.339 *	267.147 *	309.805 *	314.328 *	330.562 *	310.275 *
-22.5	180.830 *	191.762 *	212.266 *	252.677 *	240.144 *	291.307 *	295.751 *	309.177 *	330.844 *	306.433 *
-25.5	213.772 *	231.792 *	257.651 *	226.648 *	264.485 *	300.275 *	291.292 *	314.942 *	320.675 *	304.497 *
-29.0	262.725 *	245.115 *	229.054 *	273.770 *	293.875 *	263.012 *	302.578 *	320.570 *	309.495 *	307.694 *
-33.0	271.572 *	288.281 *	298.631 *	267.624 *	266.014 *	297.531 *	310.415 *	311.408 *	306.847 *	309.587 *
-37.5	273.388 *	273.542 *	286.164 *	298.743 *	310.131 *	306.244 *	304.369 *	306.476 *	310.740 *	303.298 *
-42.5	313.100 *	307.054 *	304.254 *	309.037 *	302.539 *	303.849 *	311.101 *	312.839 *	305.664 *	291.068 *
-47.5	305.201 *	306.293 *	306.161 *	305.511 *	310.119 *	312.726 *	310.817 *	302.192 *	289.535 *	287.494 *
-55.0	305.014 *	304.650 *	301.518 *	296.215 *	291.581 *	287.661 *	287.240 *	289.172 *	285.881 *	281.990 *
-65.0	281.353 *	281.294 *	280.718 *	278.260 *	275.646 *	271.901 *	269.113 *	266.802 *	262.213 *	262.152 *
-75.0	259.082 *	257.608 *	255.667 *	253.218 *	251.416 *	249.191 *	246.945 *	245.367 *	243.426 *	242.227 *
-85.0	231.031 *	229.431 *	227.393 *	224.947 *	223.972 *	222.914 *	221.567 *	219.970 *	217.458 *	218.433 *
-90.0	224.168 *	222.910 *	221.338 *	219.451 *	217.817 *	215.910 *	213.731 *	211.280 *	208.557 *	210.508 *

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	220.990 *	208.661 *	214.429 *	226.236 *	232.141 *
85.0	225.077 *	214.275 *	217.748 *	227.241 *	232.142 *
75.0	243.764 *	226.578 *	222.983 *	227.385 *	232.144 *
65.0	259.109 *	237.569 *	232.701 *	228.160 *	232.146 *
55.0	266.771 *	250.542 *	241.233 *	229.567 *	232.147 *
47.5	276.652 *	257.286 *	244.935 *	231.108 *	232.148 *
42.5	284.379 *	262.735 *	247.486 *	232.140 *	232.149 *
37.5	291.783 *	267.857 *	250.264 *	233.188 *	232.150 *
33.0	293.085 *	271.263 *	252.987 *	233.908 *	232.150 *
29.0	293.956 *	273.179 *	254.958 *	234.578 *	232.151 *
25.5	293.777 *	275.289 *	256.805 *	235.136 *	232.151 *
22.5	294.191 *	277.334 *	258.036 *	235.649 *	232.151 *
19.5	297.574 *	279.794 *	259.287 *	236.129 *	232.151 *
17.0	301.040 *	281.423 *	260.372 *	236.503 *	232.152 *
15.0	303.710 *	282.652 *	261.278 *	236.784 *	232.152 *
13.0	306.145 *	283.729 *	261.820 *	237.050 *	232.152 *
11.0	308.185 *	284.673 *	262.380 *	237.570 *	232.152 *
9.0	309.960 *	285.515 *	262.906 *	237.713 *	232.152 *

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CANDELA TABULATION - (Cont.)

7.0	310.995 * 286.206 * 263.396 * 237.857 * 232.152 *
5.0	311.753 * 286.754 * 263.983 * 238.002 * 232.152 *
3.0	312.396 * 287.300 * 264.311 * 238.147 * 232.152 *
1.0	312.690 * 287.463 * 264.640 * 238.365 * 232.152 *
0.0	312.837 * 287.545 * 264.804 * 238.365 * 232.152 *
-1.0	312.726 * 287.642 * 264.971 * 238.397 * 232.152 *
-3.0	312.505 * 287.836 * 265.305 * 238.461 * 232.152 *
-5.0	312.136 * 287.736 * 265.639 * 238.526 * 232.152 *
-7.0	311.800 * 287.700 * 265.716 * 238.590 * 232.152 *
-9.0	311.450 * 287.636 * 265.886 * 238.653 * 232.152 *
-11.0	310.602 * 287.571 * 266.019 * 238.717 * 232.152 *
-13.0	309.767 * 287.464 * 266.117 * 238.398 * 232.152 *
-15.0	308.116 * 287.365 * 266.228 * 238.334 * 232.152 *
-17.0	306.108 * 287.150 * 265.946 * 238.251 * 232.152 *
-19.5	303.269 * 286.827 * 265.625 * 238.121 * 232.152 *
-22.5	299.213 * 285.590 * 265.215 * 237.928 * 232.152 *
-25.5	296.146 * 284.470 * 264.731 * 237.693 * 232.152 *
-29.0	293.624 * 281.921 * 263.546 * 237.453 * 232.152 *
-33.0	288.162 * 278.404 * 262.093 * 237.133 * 232.151 *
-37.5	285.646 * 273.949 * 260.113 * 236.786 * 232.151 *
-42.5	291.244 * 272.363 * 258.278 * 236.125 * 232.151 *
-47.5	289.247 * 275.466 * 256.241 * 235.466 * 232.150 *
-55.0	272.390 * 276.425 * 255.207 * 234.486 * 232.149 *
-65.0	265.504 * 259.930 * 249.858 * 233.723 * 232.148 *
-75.0	244.954 * 250.975 * 240.091 * 233.523 * 232.146 *
-85.0	225.496 * 236.419 * 236.742 * 234.023 * 232.144 *
-90.0	220.445 * 233.693 * 235.381 * 233.220 * 232.143 *

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-MJ-15W-LED-XX-WLM.IES

LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 817.68
Total Field Lumens (one side of beam only) = 817.68
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.33 *	0.66 *	0.66 *	0.66 *	0.66 *	0.67 *	0.67 *	0.67 *	0.67 *	0.83 *
85	0.72 *	1.45 *	1.45 *	1.45 *	1.46 *	1.45 *	1.45 *	1.45 *	1.44 *	1.78 *
75	0.81 *	1.63 *	1.63 *	1.63 *	1.62 *	1.61 *	1.60 *	1.59 *	1.58 *	1.95 *
65	0.89 *	1.78 *	1.77 *	1.76 *	1.75 *	1.73 *	1.72 *	1.70 *	1.68 *	2.07 *
55	0.71 *	1.41 *	1.40 *	1.39 *	1.37 *	1.36 *	1.34 *	1.33 *	1.31 *	1.61 *
47.5	0.46 *	0.93 *	0.92 *	0.92 *	0.92 *	0.91 *	0.91 *	0.91 *	0.90 *	1.11 *
42.5	0.44 *	0.88 *	0.89 *	0.90 *	0.91 *	0.91 *	0.92 *	0.92 *	0.91 *	1.12 *
37.5	0.39 *	0.77 *	0.77 *	0.78 *	0.78 *	0.79 *	0.79 *	0.80 *	0.80 *	0.99 *
33	0.33 *	0.66 *	0.64 *	0.63 *	0.63 *	0.63 *	0.65 *	0.66 *	0.66 *	0.84 *
29	0.24 *	0.48 *	0.47 *	0.47 *	0.47 *	0.48 *	0.49 *	0.51 *	0.52 *	0.68 *
25.5	0.17 *	0.35 *	0.35 *	0.35 *	0.35 *	0.36 *	0.36 *	0.38 *	0.39 *	0.52 *
22.5	0.17 *	0.35 *	0.35 *	0.35 *	0.34 *	0.34 *	0.34 *	0.34 *	0.35 *	0.45 *
19.5	0.15 *	0.29 *	0.30 *	0.30 *	0.29 *	0.29 *	0.28 *	0.28 *	0.28 *	0.35 *
17	0.12 *	0.24 *	0.24 *	0.24 *	0.24 *	0.24 *	0.23 *	0.22 *	0.22 *	0.27 *
15	0.13 *	0.25 *	0.25 *	0.25 *	0.25 *	0.24 *	0.24 *	0.23 *	0.22 *	0.27 *
13	0.13 *	0.26 *	0.26 *	0.26 *	0.26 *	0.25 *	0.24 *	0.23 *	0.22 *	0.27 *
11	0.14 *	0.27 *	0.26 *	0.26 *	0.26 *	0.25 *	0.25 *	0.24 *	0.22 *	0.27 *
9	0.14 *	0.28 *	0.27 *	0.27 *	0.26 *	0.26 *	0.25 *	0.24 *	0.23 *	0.27 *
7	0.14 *	0.28 *	0.28 *	0.28 *	0.27 *	0.26 *	0.25 *	0.24 *	0.23 *	0.27 *
5	0.14 *	0.29 *	0.28 *	0.28 *	0.28 *	0.27 *	0.26 *	0.25 *	0.23 *	0.28 *
3	0.14 *	0.29 *	0.29 *	0.28 *	0.28 *	0.27 *	0.26 *	0.25 *	0.24 *	0.28 *
1	0.07 *	0.14 *	0.14 *	0.14 *	0.14 *	0.14 *	0.13 *	0.13 *	0.12 *	0.14 *
0	0.07 *	0.14 *	0.14 *	0.14 *	0.14 *	0.14 *	0.13 *	0.13 *	0.12 *	0.14 *
-1	0.15 *	0.29 *	0.29 *	0.28 *	0.28 *	0.27 *	0.26 *	0.25 *	0.24 *	0.29 *

LUMENS TABULATION - (Cont.)

-3	0.15 *	0.29 *	0.29 *	0.28 *	0.27 *	0.27 *	0.26 *	0.25 *	0.25 *	0.30 *
-5	0.14 *	0.29 *	0.29 *	0.28 *	0.27 *	0.27 *	0.26 *	0.26 *	0.25 *	0.30 *
-7	0.14 *	0.28 *	0.28 *	0.28 *	0.27 *	0.27 *	0.26 *	0.25 *	0.25 *	0.29 *
-9	0.14 *	0.28 *	0.28 *	0.28 *	0.27 *	0.26 *	0.26 *	0.25 *	0.24 *	0.28 *
-11	0.14 *	0.28 *	0.28 *	0.27 *	0.27 *	0.26 *	0.25 *	0.24 *	0.23 *	0.28 *
-13	0.14 *	0.27 *	0.27 *	0.26 *	0.26 *	0.25 *	0.24 *	0.23 *	0.22 *	0.27 *
-15	0.13 *	0.26 *	0.26 *	0.25 *	0.25 *	0.24 *	0.23 *	0.22 *	0.22 *	0.27 *
-17	0.16 *	0.31 *	0.31 *	0.30 *	0.29 *	0.28 *	0.28 *	0.27 *	0.27 *	0.33 *
-19.5	0.18 *	0.36 *	0.35 *	0.34 *	0.34 *	0.33 *	0.33 *	0.32 *	0.32 *	0.41 *
-22.5	0.18 *	0.35 *	0.34 *	0.34 *	0.34 *	0.33 *	0.33 *	0.34 *	0.35 *	0.46 *
-25.5	0.21 *	0.41 *	0.41 *	0.41 *	0.42 *	0.42 *	0.44 *	0.46 *	0.47 *	0.59 *
-29	0.26 *	0.53 *	0.54 *	0.54 *	0.55 *	0.55 *	0.56 *	0.57 *	0.58 *	0.74 *
-33	0.36 *	0.72 *	0.73 *	0.73 *	0.73 *	0.72 *	0.70 *	0.69 *	0.68 *	0.87 *
-37.5	0.44 *	0.87 *	0.87 *	0.87 *	0.87 *	0.87 *	0.86 *	0.84 *	0.82 *	1.01 *
-42.5	0.44 *	0.89 *	0.88 *	0.88 *	0.88 *	0.88 *	0.87 *	0.87 *	0.86 *	1.06 *
-47.5	0.66 *	1.33 *	1.33 *	1.34 *	1.33 *	1.33 *	1.32 *	1.31 *	1.30 *	1.59 *
-55	0.85 *	1.71 *	1.72 *	1.72 *	1.72 *	1.72 *	1.71 *	1.70 *	1.69 *	2.07 *
-65	0.82 *	1.64 *	1.64 *	1.63 *	1.62 *	1.61 *	1.59 *	1.57 *	1.55 *	1.90 *
-75	0.77 *	1.54 *	1.53 *	1.51 *	1.50 *	1.48 *	1.46 *	1.43 *	1.41 *	1.72 *
-85	0.36 *	0.72 *	0.71 *	0.70 *	0.70 *	0.69 *	0.68 *	0.67 *	0.65 *	0.80 *
-90										
Total	13.88	27.71	27.63	27.50	27.34	27.15	26.91	26.67	26.40	32.61

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.99 *	0.97 *	1.10 *	1.22 *	1.31 *	1.37 *	1.25 *	1.63 *	1.65 *	1.11 *
85	2.11 *	2.07 *	2.35 *	2.59 *	2.77 *	2.89 *	2.65 *	3.42 *	3.47 *	2.29 *
75	2.30 *	2.24 *	2.54 *	2.78 *	2.96 *	3.07 *	2.81 *	3.64 *	3.67 *	2.38 *
65	2.43 *	2.36 *	2.66 *	2.91 *	3.10 *	3.23 *	2.95 *	3.81 *	3.84 *	2.49 *
55	1.89 *	1.84 *	2.08 *	2.28 *	2.44 *	2.51 *	2.29 *	2.95 *	2.98 *	1.92 *

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LUMENS TABULATION - (Cont.)

47.5	1.31 *	1.27 *	1.43 *	1.56 *	1.67 *	1.71 *	1.55 *	2.01 *	2.03 *	1.30 *
42.5	1.32 *	1.29 *	1.46 *	1.60 *	1.69 *	1.75 *	1.58 *	2.04 *	2.08 *	1.32 *
37.5	1.18 *	1.16 *	1.32 *	1.46 *	1.54 *	1.59 *	1.45 *	1.87 *	1.89 *	1.20 *
33	1.02 *	1.02 *	1.16 *	1.28 *	1.37 *	1.42 *	1.30 *	1.68 *	1.68 *	1.07 *
29	0.84 *	0.85 *	0.98 *	1.09 *	1.18 *	1.24 *	1.15 *	1.48 *	1.48 *	0.95 *
25.5	0.66 *	0.68 *	0.81 *	0.90 *	0.99 *	1.05 *	0.98 *	1.27 *	1.27 *	0.82 *
22.5	0.59 *	0.64 *	0.76 *	0.87 *	0.96 *	1.03 *	0.98 *	1.27 *	1.28 *	0.82 *
19.5	0.45 *	0.49 *	0.60 *	0.71 *	0.78 *	0.85 *	0.82 *	1.06 *	1.07 *	0.69 *
17	0.34 *	0.37 *	0.46 *	0.55 *	0.61 *	0.67 *	0.65 *	0.85 *	0.87 *	0.55 *
15	0.32 *	0.36 *	0.45 *	0.53 *	0.59 *	0.67 *	0.65 *	0.85 *	0.87 *	0.55 *
13	0.32 *	0.35 *	0.44 *	0.51 *	0.59 *	0.67 *	0.65 *	0.85 *	0.87 *	0.55 *
11	0.31 *	0.33 *	0.42 *	0.50 *	0.59 *	0.67 *	0.65 *	0.86 *	0.88 *	0.55 *
9	0.31 *	0.32 *	0.41 *	0.50 *	0.59 *	0.67 *	0.64 *	0.86 *	0.88 *	0.55 *
7	0.32 *	0.31 *	0.40 *	0.50 *	0.59 *	0.67 *	0.64 *	0.87 *	0.88 *	0.55 *
5	0.32 *	0.31 *	0.39 *	0.49 *	0.59 *	0.67 *	0.64 *	0.87 *	0.88 *	0.55 *
3	0.32 *	0.31 *	0.39 *	0.48 *	0.59 *	0.67 *	0.65 *	0.87 *	0.89 *	0.56 *
1	0.16 *	0.16 *	0.19 *	0.24 *	0.29 *	0.34 *	0.32 *	0.44 *	0.44 *	0.28 *
0	0.16 *	0.16 *	0.19 *	0.24 *	0.29 *	0.34 *	0.32 *	0.44 *	0.44 *	0.28 *
-1	0.33 *	0.31 *	0.38 *	0.48 *	0.59 *	0.67 *	0.65 *	0.87 *	0.89 *	0.56 *
-3	0.33 *	0.32 *	0.39 *	0.48 *	0.59 *	0.67 *	0.65 *	0.87 *	0.88 *	0.56 *
-5	0.33 *	0.32 *	0.39 *	0.49 *	0.60 *	0.68 *	0.65 *	0.87 *	0.88 *	0.56 *
-7	0.33 *	0.32 *	0.40 *	0.50 *	0.61 *	0.68 *	0.65 *	0.87 *	0.88 *	0.56 *
-9	0.33 *	0.33 *	0.41 *	0.51 *	0.62 *	0.69 *	0.65 *	0.86 *	0.88 *	0.56 *
-11	0.33 *	0.33 *	0.41 *	0.53 *	0.63 *	0.69 *	0.65 *	0.86 *	0.88 *	0.56 *
-13	0.32 *	0.33 *	0.42 *	0.54 *	0.64 *	0.70 *	0.65 *	0.86 *	0.88 *	0.56 *
-15	0.32 *	0.34 *	0.44 *	0.56 *	0.65 *	0.70 *	0.65 *	0.86 *	0.88 *	0.56 *
-17	0.41 *	0.45 *	0.57 *	0.70 *	0.81 *	0.87 *	0.82 *	1.06 *	1.09 *	0.70 *
-19.5	0.53 *	0.58 *	0.71 *	0.86 *	0.98 *	1.05 *	0.98 *	1.27 *	1.30 *	0.84 *

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : EPL-MJ-15W-LED-XX-WLM.IES

LUMENS TABULATION - (Cont.)

-22.5	0.59 *	0.60 *	0.74 *	0.87 *	0.97 *	1.06 *	0.97 *	1.26 *	1.30 *	0.84 *
-25.5	0.71 *	0.74 *	0.89 *	1.01 *	1.14 *	1.23 *	1.12 *	1.46 *	1.50 *	0.97 *
-29	0.88 *	0.89 *	1.02 *	1.17 *	1.32 *	1.39 *	1.28 *	1.66 *	1.70 *	1.10 *
-33	1.05 *	1.03 *	1.20 *	1.37 *	1.48 *	1.55 *	1.44 *	1.85 *	1.88 *	1.23 *
-37.5	1.21 *	1.21 *	1.39 *	1.53 *	1.65 *	1.73 *	1.57 *	2.03 *	2.08 *	1.36 *
-42.5	1.26 *	1.23 *	1.39 *	1.55 *	1.66 *	1.69 *	1.52 *	2.01 *	2.09 *	1.36 *
-47.5	1.87 *	1.82 *	2.06 *	2.26 *	2.40 *	2.46 *	2.24 *	2.95 *	3.10 *	2.03 *
-55	2.41 *	2.32 *	2.59 *	2.82 *	3.01 *	3.12 *	2.87 *	3.78 *	4.01 *	2.66 *
-65	2.22 *	2.15 *	2.42 *	2.64 *	2.80 *	2.89 *	2.66 *	3.56 *	3.83 *	2.57 *
-75	2.01 *	1.95 *	2.20 *	2.40 *	2.55 *	2.63 *	2.42 *	3.27 *	3.61 *	2.48 *
-85	0.93 *	0.90 *	1.02 *	1.12 *	1.19 *	1.23 *	1.13 *	1.54 *	1.73 *	1.22 *
-90										
Total	38.68	38.32	44.43	50.16	54.94	58.13	53.77	70.49	72.59	47.14

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.58 *	0.07 *	19.71
85	1.17 *	0.15 *	42.04
75	1.19 *	0.15 *	45.39
65	1.21 *	0.15 *	47.97
55	0.92 *	0.11 *	37.44
47.5	0.62 *	0.08 *	25.44
42.5	0.62 *	0.08 *	25.63
37.5	0.57 *	0.07 *	22.95
33	0.50 *	0.06 *	19.90
29	0.44 *	0.05 *	16.54
25.5	0.38 *	0.05 *	13.42
22.5	0.38 *	0.05 *	13.02
19.5	0.32 *	0.04 *	10.67
17	0.26 *	0.03 *	8.48

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LUMENS TABULATION - (Cont.)

15			
	0.26 *	0.03 *	8.47
13			
	0.26 *	0.03 *	8.47
11			
	0.26 *	0.03 *	8.47
9			
	0.26 *	0.03 *	8.49
7			
	0.26 *	0.03 *	8.53
5			
	0.26 *	0.03 *	8.57
3			
	0.26 *	0.03 *	8.60
1			
	0.13 *	0.02 *	4.30
0			
	0.13 *	0.02 *	4.31
-1			
	0.26 *	0.03 *	8.62
-3			
	0.26 *	0.03 *	8.64
-5			
	0.26 *	0.03 *	8.66
-7			
	0.26 *	0.03 *	8.67
-9			
	0.26 *	0.03 *	8.66
-11			
	0.26 *	0.03 *	8.64
-13			
	0.26 *	0.03 *	8.61
-15			
	0.26 *	0.03 *	8.57
-17			
	0.32 *	0.04 *	10.66
-19.5			
	0.39 *	0.05 *	12.82
-22.5			
	0.39 *	0.05 *	12.97
-25.5			
	0.45 *	0.05 *	15.51
-29			
	0.51 *	0.06 *	18.40
-33			
	0.58 *	0.07 *	21.64
-37.5			
	0.64 *	0.08 *	24.79
-42.5			
	0.64 *	0.08 *	24.98
-47.5			
	0.96 *	0.11 *	37.08
-55			
	1.26 *	0.15 *	47.60
-65			
	1.24 *	0.15 *	44.73

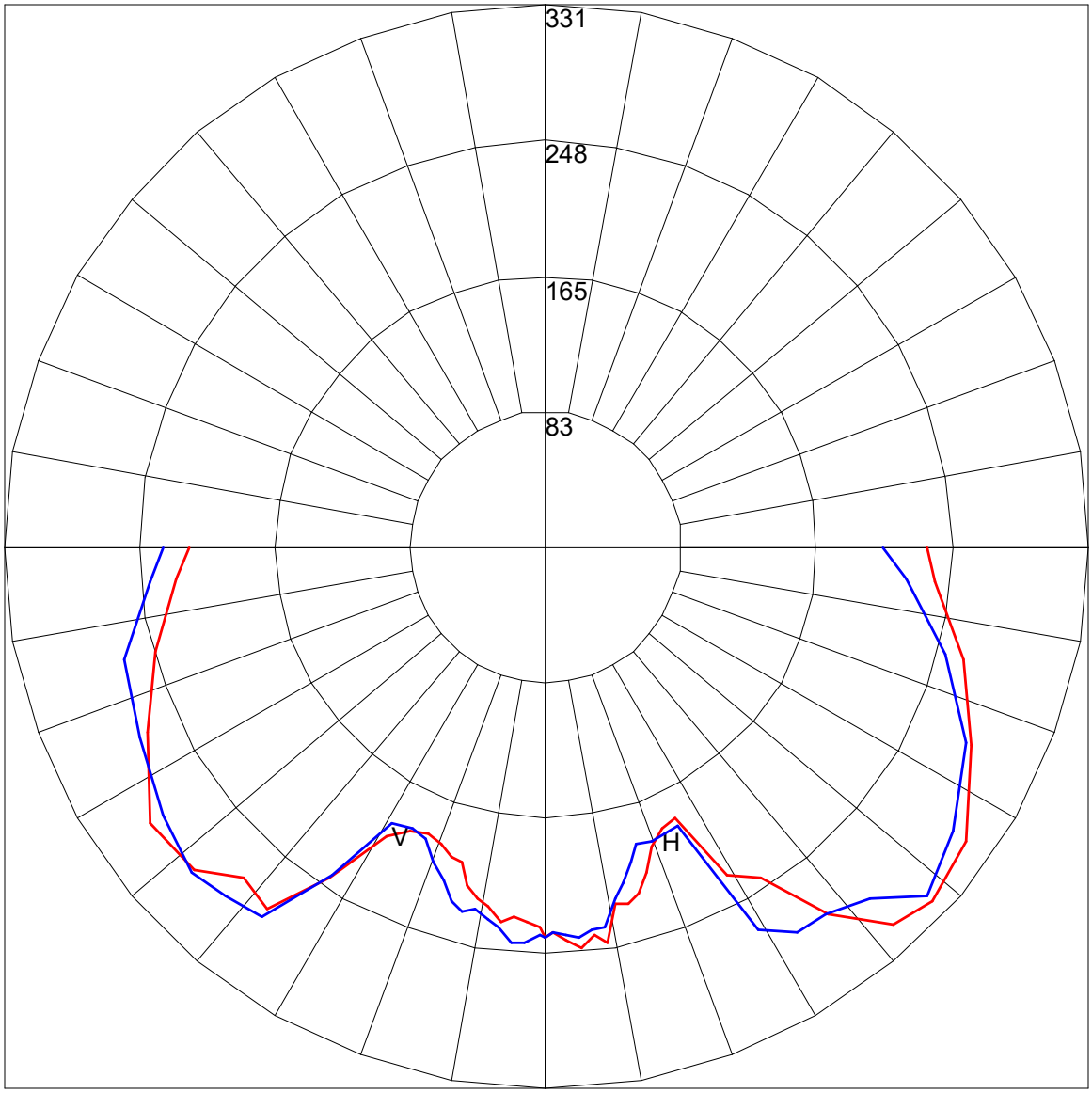
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LUMENS TABULATION - (Cont.)

-75			
	1.23 *	0.15 *	41.24
-85			
	0.61 *	0.08 *	19.36
-90			
Total	22.52	2.72	817.68

IES FLOOD REPORT
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AXIAL CANDELA DISPLAY

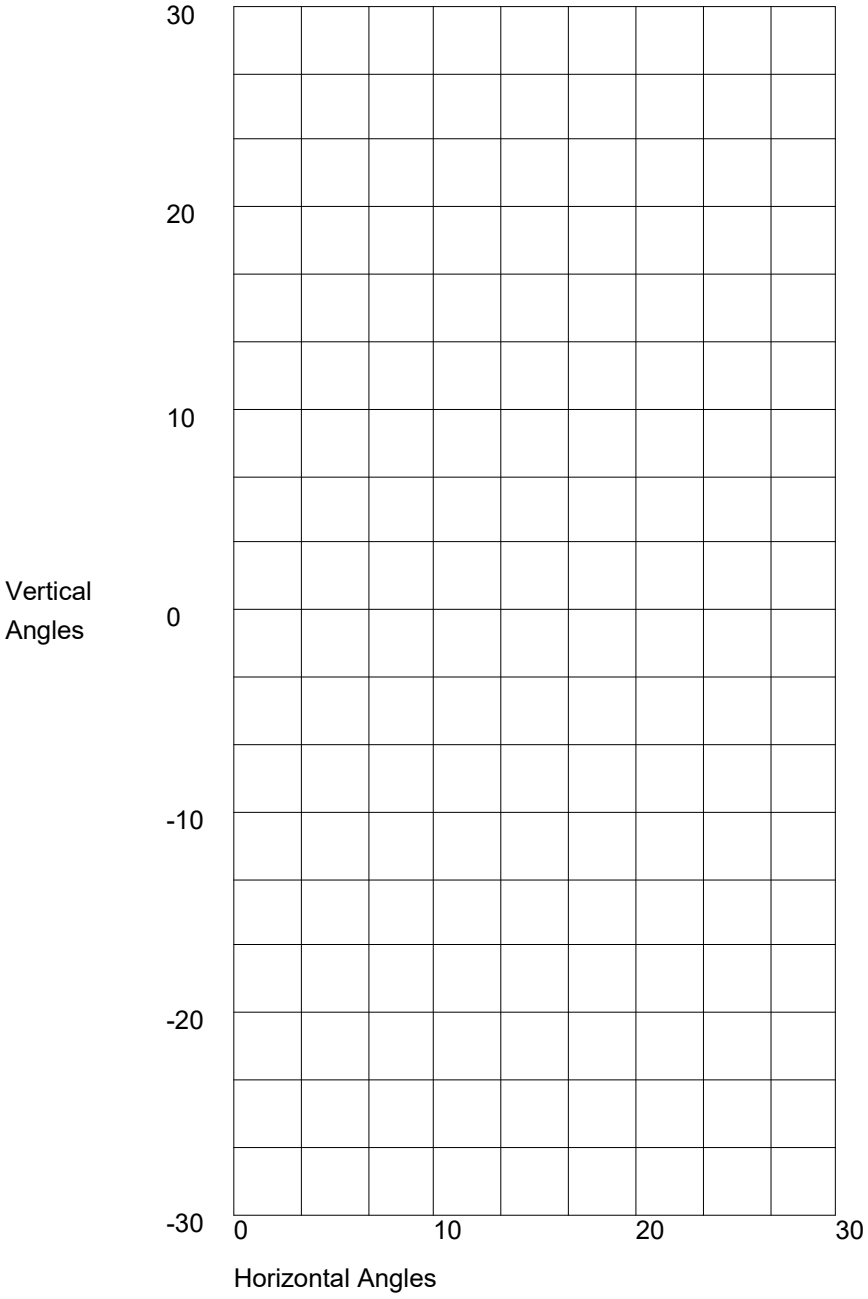


Maximum Candela = 330.844 Located At Horizontal Angle = 42.5, Vertical Angle =-22.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

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ISOCANDELA CURVES



Maximum Candela = 330.844 Located At Horizontal Angle = 42.5, Vertical Angle =-22.5
50% Maximum Candela = 165.422
10% Maximum Candela = 33.0844