IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWW-900.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 1
[ISSUEDATE] 2015-04-28 10:56
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT]
[LUMINAIRE] LEDHWW-900
[LAMPCAT]
[LAMP]
[VOLTAGE] 219.9 V
[CURRENT] 0.378 A
[POWERFACTOR] 0.955

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

CHARACTERISTICS



NEMA Type	7 H x 7 V
Maximum Candela	2977.67
Maximum Candela Angle	-1H 0V
Horizontal Beam Angle (50%)	113.2
Vertical Beam Angle (50%)	111.6
Horizontal Field Angle (10%)	155.0
Vertical Field Angle (10%)	152.6
Lumens Per Lamp	8312 (1 lamp)
Total Lamp Lumens	8312
Beam Lumens	6455
Beam Efficiency	78 %
Field Lumens	8136
Field Efficiency	98 %
Spill Lumens	184
Luminaire Lumens	8319
Total Efficiency	100 %
Total Luminaire Watts	79.5
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	10.668	90	14.356
85	63.1	85	93.18
75	408	75	446.24
65	962.2	65	1004.16
55	1604.22	55	1697.14
47.5	2045.36	47.5	2090.625
42.5	2265.895	42.5	2279.745
37.5	2439.74	37.5	2448.985
33	2579.61	33	2577.3
29	2678.96	29	2668.43
25.5	2750.84	25.5	2736.195
22.5	2810.385	22.5	2787.255
19.5	2859.265	19.5	2831.27
17	2887.27	17	2864.47
15	2907.09	15	2885.28
13	2929.29	13	2905.23
11	2941.95	11	2924.19
9	2955.07	9	2932.21
7	2962.49	7	2938.97
5	2971.71	5	2940.16
3	2974.36	3	2943.41
1	2976.68	1	2943.21
0	2949.642	0	2949.642
-1	2977.67	-1	2943.8
-3	2972.7	-3	2943.21
-5	2972.63	-5	2937.31
-7	2965.34	-7	2932.14
-9	2956.33	-9	2924.39
-11	2943.08	-11	2906.69
-13	2927.9	-13	2891.98
-15	2907.82	-15	2869.57
-17	2889.13	-17	2846.78
-19.5	2855.09	-19.5	2809.495
-22.5	2804.99	-22.5	2758.795
-25.5	2746.5	-25.5	2694.805
-29	2676.64	-29	2615.74
-33	2568.15	-33	2505.78
-37.5	2435.795	-37.5	2364.385
-42.5	2254.165	-42.5	2167.21
-47.5	2034.095	-47.5	1920.595
-55	1584.21	-55	1385.38
-65	915.88	-65	720.03
-75	354.51	-75	218.58
-85	43.94	-85	6.63
-90	7.803	-90	6.241

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CANDELA TABULATION
Maximum Candela = 2977.67
Beam Edge = 1488.835 Cd (50% of Max.)
Field Edge = 297.767 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	7.827	11.488	18.840	25.228	28.671	31.253	30.244	26.502	23.133	20.136
85.0	7.826	12.078	29.758	55.691	76.122	91.665	96.180	94.511	91.439	88.560
75.0	7.823	14.428	67.508	157.548	238.939	301.551 *	336.260 *	357.180 *	373.681 *	384.732 *
65.0	7.819	19.191	122.001	297.438	470.926 *	618.856 *	721.151 *	787.164 *	834.406 *	866.036 *
55.0	7.816	25.310	183.497	451.966 *	760.064 *	1008.664 *	1170.405 *	1297.671 *	1375.662 *	1442.137 *
47.5	7.814	30.827	228.312	570.390 *	986.404 *	1284.799 *	1477.028 *	1656.888 *	1765.923 *	1839.986 *
42.5	7.812	34.314	256.806	647.060 *	1120.907 *	1454.529 *	1673.379 *	1842.836 *	1963.764 *	2037.982 *
37.5	7.811	37.741	283.594	714.460 *	1246.573 *	1615.268 *	1824.635 *	1994.648 *	2120.960 *	2200.353 *
33.0	7.810	39.946	305.721 *	772.084 *	1338.822 *	1737.270 *	1939.250 *	2109.042 *	2226.208 *	2324.784 *
29.0	7.809	41.966	322.592 *	817.367 *	1410.332 *	1823.615 *	2025.298 *	2193.635 *	2315.681 *	2416.833 *
25.5	7.808	43.378	334.890 *	851.677 *	1465.967 *	1884.036 *	2093.764 *	2253.021 *	2382.445 *	2475.502 *
22.5	7.807	44.326	343.414 *	877.805 *	1506.584 *	1926.727 *	2143.793 *	2302.008 *	2429.778 *	2526.832 *
19.5	7.806	45.031	350.667 *	896.003 *	1542.022 *	1962.499 *	2174.701 *	2344.250 *	2468.304 *	2564.530 *
17.0	7.806	45.435	355.834 *	908.697 *	1564.423 *	1987.922 *	2196.597 *	2373.627 *	2497.498 *	2592.436 *
15.0	7.805	45.639	358.961 *	916.868 *	1577.958 *	2004.755 *	2213.156 *	2392.278 *	2517.402 *	2609.981 *
13.0	7.805	45.738	361.194 *	923.471 *	1590.058 *	2018.869 *	2231.164 *	2405.556 *	2532.709 *	2625.481 *
11.0	7.805	47.152	362.541 *	928.055 *	1595.974 *	2029.870 *	2239.418 *	2416.948 *	2545.165 *	2639.122 *
9.0	7.804	46.573	363.009 *	930.588 *	1600.498 *	2037.798 *	2248.121 *	2426.292 *	2556.867 *	2650.018 *
7.0	7.804	45.991	362.607 *	931.039 *	1602.167 *	2042.204 *	2254.205 *	2435.115 *	2562.346 *	2659.534 *
5.0	7.804	45.407	363.909 *	929.383 *	1600.886 *	2043.351 *	2257.907 *	2437.573 *	2567.436 *	2667.462 *
3.0	7.803	44.821	360.154 *	928.023 *	1600.147 *	2041.770 *	2258.723 *	2438.919 *	2569.928 *	2673.219 *
1.0	7.803	44.234	356.392 *	919.930 *	1589.527 *	2037.373 *	2256.481 *	2437.524 *	2569.932 *	2676.704 *
0.0	7.803	43.940	354.510 *	915.880 *	1584.210 *	2034.095 *	2254.165 *	2435.795 *	2568.150 *	2676.640 *
-1.0	7.803	43.940	353.771 *	913.950 *	1581.820 *	2031.300 *	2251.651 *	2433.288 *	2566.150 *	2674.256 *
-3.0	7.803	43.668	352.295 *	910.094 *	1577.044 *	2023.456 *	2244.172 *	2426.176 *	2558.441 *	2665.686 *
-5.0	7.803	43.487	350.822 *	899.530 *	1562.159 *	2012.516 *	2233.466 *	2416.216 *	2547.889 *	2654.371 *
-7.0	7.803	43.307	344.416 *	889.308 *	1547.700 *	1998.385 *	2219.590 *	2405.050 *	2534.150 *	2640.109 *
-9.0	7.803	43.127	339.752 *	877.044 *	1530.046 *	1980.662 *	2202.486 *	2386.956 *	2519.522 *	2623.446 *
-11.0	7.803	42.948	334.314 *	862.779 *	1509.228 *	1959.195 *	2181.855 *	2368.042 *	2498.405 *	2604.624 *
-13.0	7.803	40.883	328.115 *	846.562 *	1486.753 *	1934.173 *	2161.200 *	2345.993 *	2476.327 *	2580.131 *
-15.0	7.803	40.090	321.167 *	828.442 *	1457.988 *	1905.373 *	2131.263 *	2320.933 *	2451.261 *	2555.626 *
-17.0	7.804	39.216	313.482 *	808.868 *	1427.591 *	1873.107 *	2101.308 *	2291.829 *	2425.334 *	2529.897 *
-19.5	7.804	38.010	302.865 *	782.104 *	1384.898 *	1826.227 *	2056.251 *	2249.025 *	2388.942 *	2492.557 *
-22.5	7.804	36.402	289.470	747.352 *	1326.878 *	1761.524 *	2001.806 *	2192.501 *	2336.715 *	2446.004 *
-25.5	7.804	34.624	275.287	706.979 *	1263.216 *	1689.157 *	1929.937 *	2127.530 *	2272.870 *	2383.482 *
-29.0	7.805	32.343	257.064	657.263 *	1184.402 *	1592.690 *	1838.953 *	2045.909 *	2187.591 *	2299.852 *
-33.0	7.806	29.476	234.619	596.672 *	1084.024 *	1471.702 *	1716.500 *	1925.922 *	2076.275 *	2182.372 *
-37.5	7.806	26.443	207.556	526.684 *	959.007 *	1323.145 *	1554.007 *	1761.600 *	1923.175 *	2037.478 *
-42.5	7.807	22.701	176.435	446.068 *	818.417 *	1141.388 *	1360.570 *	1546.910 *	1698.411 *	1815.280 *
-47.5	7.808	19.140	144.395	368.327 *	676.626 *	942.418 *	1131.979 *	1313.865 *	1442.159 *	1538.044 *
-55.0	7.810	14.119	100.526	257.391	471.697 *	657.336 *	786.400 *	907.887 *	1012.991 *	1093.669 *
-65.0	7.813	9.675	49.647	126.152	240.256	332.684 *	396.839 *	455.954 *	504.295 *	544.848 *
-75.0	7.816	6.992	15.726	36.405	73.935	105.091	124.059	142.202	156.008	166.037
-85.0	7.819	6.998	6.752	6.967	6.625	6.801	6.810	6.986	7.591	7.782
-90.0	7.820	7.643	7.291	7.086	7.319	7.493	7.565	7.592	7.617	7.639

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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	17.513	15.264	15.144	15.044	14.963	14.882	14.802	14.721	14.640	14.559
85.0	85.367	82.012	84.335	86.099	87.386	88.560	91.620	91.903	92.187	92.471
75.0	392.449 *	397.159 *	408.024 *	417.705 *	424.439 *	430.271 *	435.200 *	439.225 *	442.349 *	447.337 *
65.0	886.375 *	899.706 *	913.238 *	934.369 *	949.579 *	963.233 *	974.935 *	984.677 *	992.451 *	998.254 *
55.0	1497.738 *	1540.066 *	1574.217 *	1604.192 *	1626.868 *	1648.571 *	1661.859 *	1674.322 *	1684.377 *	1691.781 *
47.5	1892.374 *	1930.421 *	1962.020 *	1984.136 *	2007.220 *	2027.778 *	2045.668 *	2060.544 *	2072.089 *	2080.678 *
42.5	2093.217 *	2132.952 *	2160.211 *	2181.030 *	2197.900 *	2220.816 *	2236.030 *	2250.960 *	2262.507 *	2270.715 *
37.5	2251.643 *	2295.550 *	2329.134 *	2353.405 *	2368.678 *	2385.925 *	2403.109 *	2417.094 *	2430.748 *	2438.251 *
33.0	2383.934 *	2425.428 *	2458.660 *	2482.479 *	2497.887 *	2509.536 *	2526.517 *	2544.081 *	2554.568 *	2564.263 *
29.0	2481.420 *	2526.534 *	2557.259 *	2579.216 *	2593.516 *	2606.660 *	2619.899 *	2636.641 *	2649.480 *	2658.639 *
25.5	2548.195 *	2597.343 *	2627.780 *	2652.219 *	2670.611 *	2684.958 *	2694.954 *	2705.317 *	2716.085 *	2724.705 *
22.5	2594.728 *	2642.400 *	2682.550 *	2708.742 *	2724.424 *	2736.276 *	2747.197 *	2754.644 *	2766.694 *	2776.581 *
19.5	2630.885 *	2680.987 *	2728.411 *	2754.445 *	2770.243 *	2783.672 *	2793.767 *	2800.711 *	2808.754 *	2818.755 *
17.0	2657.460 *	2709.805 *	2754.091 *	2786.294 *	2804.919 *	2818.092 *	2827.955 *	2836.282 *	2842.465 *	2852.373 *
15.0	2675.546 *	2729.424 *	2772.381 *	2805.413 *	2829.590 *	2842.315 *	2853.315 *	2861.553 *	2866.143 *	2870.956 *
13.0	2691.730 *	2743.758 *	2789.214 *	2820.959 *	2843.312 *	2863.270 *	2873.406 *	2880.764 *	2885.140 *	2887.307 *
11.0	2706.576 *	2756.691 *	2802.663 *	2833.636 *	2856.432 *	2873.407 *	2891.700 *	2898.892 *	2900.711 *	2906.619 *
9.0	2721.003 *	2768.704 *	2811.855 *	2844.893 *	2864.395 *	2882.881 *	2899.320 *	2907.230 *	2913.480 *	2917.903 *
7.0	2730.439 *	2781.419 *	2823.459 *	2852.753 *	2869.821 *	2888.767 *	2900.159 *	2912.514 *	2921.562 *	2925.221 *
5.0	2737.762 *	2792.201 *	2836.075 *	2864.606 *	2880.638 *	2892.676 *	2904.365 *	2916.279 *	2924.261 *	2932.251 *
3.0	2743.159 *	2798.922 *	2845.793 *	2875.467 *	2893.023 *	2907.530 *	2918.646 *	2925.404 *	2926.269 *	2934.720 *
1.0	2746.041 *	2803.680 *	2852.637 *	2885.464 *	2903.857 *	2921.761 *	2935.749 *	2946.551 *	2952.069 *	2955.417 *
0.0	2746.500 *	2804.990 *	2855.090 *	2889.130 *	2907.820 *	2927.900 *	2943.080 *	2956.330 *	2965.340 *	2972.630 *
-1.0	2744.206 *	2802.297 *	2851.736 *	2886.011 *	2904.976 *	2924.678 *	2939.997 *	2953.477 *	2961.576 *	2969.075 *
-3.0	2737.510 *	2794.606 *	2842.610 *	2877.001 *	2896.040 *	2915.653 *	2930.945 *	2945.205 *	2952.406 *	2959.049 *
-5.0	2727.872 *	2784.501 *	2829.643 *	2866.852 *	2884.698 *	2904.456 *	2921.411 *	2935.130 *	2945.167 *	2952.631 *
-7.0	2716.002 *	2770.327 *	2814.372 *	2853.385 *	2872.360 *	2892.898 *	2910.453 *	2923.136 *	2932.809 *	2936.421 *
-9.0	2701.547 *	2753.906 *	2799.916 *	2837.058 *	2860.890 *	2878.351 *	2898.562 *	2911.659 *	2917.769 *	2920.885 *
-11.0	2680.536 *	2737.576 *	2786.108 *	2818.376 *	2845.338 *	2862.876 *	2879.388 *	2894.149 *	2902.327 *	2906.841 *
-13.0	2659.973 *	2718.138 *	2767.340 *	2800.451 *	2825.278 *	2845.229 *	2858.707 *	2869.433 *	2878.959 *	2885.047 *
-15.0	2637.616 *	2697.569 *	2745.417 *	2779.415 *	2804.905 *	2822.112 *	2835.633 *	2846.828 *	2854.478 *	2861.302 *
-17.0	2611.282 *	2670.790 *	2720.612 *	2754.659 *	2776.063 *	2793.763 *	2808.258 *	2818.549 *	2827.406 *	2837.040 *
-19.5	2571.514 *	2633.222 *	2685.018 *	2717.120 *	2737.275 *	2754.906 *	2768.678 *	2780.069 *	2790.119 *	2799.300 *
-22.5	2518.965 *	2578.394 *	2629.630 *	2662.100 *	2683.507 *	2700.304 *	2713.810 *	2724.680 *	2738.126 *	2749.076 *
-25.5	2462.969 *	2515.809 *	2561.892 *	2596.400 *	2619.535 *	2637.643 *	2651.715 *	2665.713 *	2677.716 *	2686.498 *
-29.0	2381.452 *	2437.388 *	2477.360 *	2507.961 *	2529.901 *	2549.028 *	2565.723 *	2582.720 *	2596.216 *	2606.095 *
-33.0	2256.883 *	2316.923 *	2365.396 *	2395.660 *	2415.746 *	2433.447 *	2453.581 *	2473.315 *	2484.690 *	2494.796 *
-37.5	2110.595 *	2163.463 *	2209.005 *	2243.604 *	2266.833 *	2289.489 *	2310.696 *	2327.365 *	2342.824 *	2351.463 *
-42.5	1901.767 *	1968.065 *	2015.617 *	2050.055 *	2072.723 *	2098.342 *	2114.714 *	2131.534 *	2145.239 *	2155.305 *
-47.5	1618.070 *	1683.410 *	1740.883 *	1780.232 *	1811.779 *	1839.704 *	1863.162 *	1882.608 *	1897.865 *	1909.108 *
-55.0	1149.996 *	1187.817 *	1223.716 *	1258.564 *	1286.060 *	1311.677 *	1330.608 *	1348.078 *	1362.365 *	1373.330 *
-65.0	577.673 *	604.024 *	628.635 *	650.964 *	666.454 *	679.743 *	691.168 *	700.710 *	708.354 *	714.089 *
-75.0	173.838	178.778	187.134	194.640	199.906	204.514	208.466	211.762	214.405	218.382
-85.0	7.614	7.256	7.231	7.199	7.161	7.113	7.116	7.027	6.939	6.851
-90.0	7.658	7.674	7.483	7.323	7.196	7.068	6.941	6.814	6.687	6.559

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	14.478	14.397	14.356	14.460	14.666	14.873	15.080	15.286	15.493	15.699
85.0	92.754	93.038	93.180	93.541	94.263	94.985	95.706	96.428	97.150	94.987
75.0	446.898 *	446.459 *	446.240 *	447.387 *	449.680 *	451.972 *	448.893 *	447.684 *	445.606 *	442.666 *
65.0	1004.287 *	1004.202 *	1004.160 *	1005.037 *	1006.791 *	1002.457 *	998.371 *	992.352 *	984.411 *	974.566 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

55.0	1700.062 *	1698.114 *	1697.140 *	1698.319 *	1700.677 *	1692.402 *	1684.706 *	1673.825 *	1659.857 *	1644.394 *
47.5	2086.702 *	2090.022 *	2090.625 *	2091.063 *	2089.806 *	2085.778 *	2079.077 *	2069.826 *	2058.108 *	2044.010 *
42.5	2276.311 *	2279.264 *	2279.745 *	2280.597 *	2280.215 *	2276.916 *	2270.551 *	2261.613 *	2249.799 *	2237.930 *
37.5	2444.622 *	2448.222 *	2448.985 *	2449.479 *	2448.477 *	2444.955 *	2440.590 *	2428.908 *	2416.443 *	2401.869 *
33.0	2571.403 *	2576.294 *	2577.300 *	2578.332 *	2577.514 *	2574.431 *	2568.772 *	2562.278 *	2545.980 *	2528.271 *
29.0	2664.728 *	2668.223 *	2668.430 *	2669.231 *	2667.876 *	2664.243 *	2658.058 *	2648.952 *	2636.919 *	2622.082 *
25.5	2731.355 *	2735.277 *	2736.195 *	2737.856 *	2739.082 *	2737.552 *	2732.899 *	2724.787 *	2710.605 *	2692.122 *
22.5	2782.395 *	2786.252 *	2787.255 *	2788.503 *	2789.232 *	2788.228 *	2784.467 *	2779.208 *	2765.033 *	2746.843 *
19.5	2825.901 *	2830.157 *	2831.270 *	2832.559 *	2833.045 *	2830.312 *	2823.432 *	2814.524 *	2804.121 *	2790.632 *
17.0	2859.370 *	2863.837 *	2864.470 *	2865.890 *	2865.622 *	2863.035 *	2858.209 *	2848.929 *	2834.771 *	2818.999 *
15.0	2878.264 *	2883.951 *	2885.280 *	2887.043 *	2887.299 *	2885.310 *	2879.743 *	2870.595 *	2858.689 *	2841.881 *
13.0	2896.764 *	2903.493 *	2905.230 *	2906.289 *	2905.951 *	2904.762 *	2899.118 *	2889.654 *	2877.630 *	2863.619 *
11.0	2913.817 *	2921.772 *	2924.190 *	2923.419 *	2919.680 *	2917.582 *	2914.891 *	2908.082 *	2893.999 *	2880.131 *
9.0	2922.639 *	2929.658 *	2932.210 *	2933.316 *	2932.253 *	2929.194 *	2925.687 *	2920.944 *	2911.051 *	2894.559 *
7.0	2927.966 *	2935.173 *	2938.970 *	2941.176 *	2942.728 *	2942.610 *	2938.059 *	2931.978 *	2921.835 *	2908.266 *
5.0	2933.309 *	2937.860 *	2940.160 *	2945.299 *	2949.669 *	2948.982 *	2947.972 *	2943.797 *	2932.377 *	2916.884 *
3.0	2934.420 *	2940.630 *	2943.410 *	2948.263 *	2955.602 *	2958.585 *	2958.409 *	2948.771 *	2939.591 *	2922.511 *
1.0	2941.337 *	2939.058 *	2943.210 *	2957.225 *	2968.761 *	2966.360 *	2962.968 *	2953.013 *	2942.162 *	2928.118 *
0.0	2972.700 *	2977.670 *	2949.642 *	2976.680 *	2974.360 *	2971.710 *	2962.490 *	2955.070 *	2941.950 *	2929.290 *
-1.0	2966.503 *	2958.752 *	2943.800 *	2935.634 *	2935.845 *	2945.422 *	2944.430 *	2939.140 *	2927.169 *	2917.205 *
-3.0	2957.825 *	2948.650 *	2943.210 *	2941.716 *	2929.667 *	2919.138 *	2906.965 *	2904.108 *	2896.825 *	2888.613 *
-5.0	2947.348 *	2941.211 *	2937.310 *	2938.543 *	2930.234 *	2916.877 *	2904.513 *	2886.156 *	2872.301 *	2857.389 *
-7.0	2933.586 *	2933.940 *	2932.140 *	2930.941 *	2925.551 *	2912.850 *	2893.464 *	2877.932 *	2864.865 *	2838.775 *
-9.0	2921.809 *	2924.540 *	2924.390 *	2922.381 *	2915.242 *	2903.487 *	2886.631 *	2866.203 *	2848.370 *	2827.987 *
-11.0	2907.635 *	2907.845 *	2906.690 *	2906.460 *	2903.510 *	2897.236 *	2878.062 *	2855.529 *	2833.554 *	2813.744 *
-13.0	2890.917 *	2892.828 *	2891.980 *	2891.757 *	2888.114 *	2881.513 *	2862.246 *	2841.196 *	2818.058 *	2791.371 *
-15.0	2867.072 *	2869.877 *	2869.570 *	2868.924 *	2863.950 *	2855.377 *	2841.079 *	2821.717 *	2799.356 *	2774.697 *
-17.0	2843.196 *	2846.839 *	2846.780 *	2845.380 *	2839.114 *	2831.089 *	2821.795 *	2803.331 *	2780.458 *	2753.475 *
-19.5	2805.607 *	2808.940 *	2809.495 *	2808.847 *	2805.303 *	2798.674 *	2788.786 *	2771.812 *	2747.955 *	2720.976 *
-22.5	2754.921 *	2758.278 *	2758.795 *	2758.181 *	2754.541 *	2748.166 *	2736.949 *	2723.242 *	2700.079 *	2674.283 *
-25.5	2692.018 *	2694.621 *	2694.805 *	2694.458 *	2691.541 *	2685.747 *	2677.096 *	2665.694 *	2647.534 *	2620.394 *
-29.0	2612.499 *	2615.898 *	2615.740 *	2615.965 *	2612.614 *	2606.037 *	2595.623 *	2581.972 *	2566.055 *	2540.803 *
-33.0	2501.574 *	2505.521 *	2505.780 *	2505.964 *	2502.959 *	2497.261 *	2488.465 *	2478.612 *	2461.053 *	2440.500 *
-37.5	2358.967 *	2363.374 *	2364.385 *	2363.630 *	2359.664 *	2352.391 *	2343.732 *	2328.137 *	2311.127 *	2290.778 *
-42.5	2162.353 *	2166.355 *	2167.210 *	2166.902 *	2163.930 *	2157.725 *	2148.191 *	2135.372 *	2119.630 *	2104.404 *
-47.5	1916.565 *	1920.208 *	1920.595 *	1921.434 *	1920.306 *	1915.558 *	1907.345 *	1895.314 *	1879.187 *	1859.335 *
-55.0	1384.991 *	1385.250 *	1385.380 *	1387.940 *	1393.058 *	1386.438 *	1380.257 *	1370.302 *	1356.588 *	1340.841 *
-65.0	720.068 *	720.043 *	720.030 *	721.362 *	724.026 *	720.676 *	717.559 *	712.518 *	705.558 *	696.692 *
-75.0	218.461	218.540	218.580	219.105	220.154	221.202	218.372	216.877	214.741	211.963
-85.0	6.763	6.674	6.630	6.730	6.931	7.132	7.333	7.533	7.734	7.749
-90.0	6.432	6.305	6.241	6.293	6.397	6.500	6.604	6.708	6.811	6.915

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	15.905	16.111	16.368	16.677	16.123	15.477	14.738	13.907	12.984	12.453
85.0	94.760	94.402	93.772	92.687	88.808	83.971	78.055	71.707	63.089	55.873
75.0	438.872 *	434.229 *	427.250 *	415.821 *	398.286 *	375.895 *	350.097 *	319.342 *	282.441	246.483
65.0	962.835 *	949.057 *	929.012 *	899.920 *	866.232 *	821.429 *	763.281 *	690.068 *	604.490 *	529.310 *
55.0	1621.724 *	1597.972 *	1560.945 *	1503.914 *	1444.840 *	1371.704 *	1280.551 *	1170.197 *	1035.704 *	887.934 *
47.5	2026.578 *	2005.693 *	1967.709 *	1914.509 *	1851.910 *	1766.688 *	1655.074 *	1514.291 *	1355.674 *	1176.528 *
42.5	2217.378 *	2195.687 *	2164.543 *	2118.829 *	2058.342 *	1981.988 *	1871.956 *	1726.132 *	1551.200 *	1352.123 *
37.5	2383.600 *	2359.977 *	2326.573 *	2277.083 *	2222.332 *	2154.129 *	2048.709 *	1915.189 *	1725.663 *	1513.439 *
33.0	2507.791 *	2484.207 *	2453.366 *	2405.079 *	2348.756 *	2273.574 *	2181.875 *	2050.626 *	1865.750 *	1649.013 *
29.0	2603.576 *	2580.982 *	2546.863 *	2503.025 *	2450.005 *	2376.232 *	2276.398 *	2155.734 *	1972.965 *	1749.126 *
25.5	2671.836 *	2649.968 *	2617.890 *	2570.343 *	2518.573 *	2451.293 *	2351.263 *	2224.620 *	2053.506 *	1824.126 *

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PHOTOMETRIC FILENAME : LEDHWW-900.IES

CANDELA TABULATION - (Cont.)

22.5	2725.941 *	2704.205 *	2671.055 *	2626.516 *	2572.088 *	2506.110 *	2407.856 *	2278.274 *	2116.292 *	1879.766 *
19.5	2771.333 *	2746.131 *	2715.975 *	2675.629 *	2622.939 *	2548.870 *	2456.465 *	2327.745 *	2154.586 *	1927.206 *
17.0	2801.910 *	2781.870 *	2748.632 *	2708.796 *	2660.909 *	2582.662 *	2489.655 *	2358.959 *	2184.204 *	1960.685 *
15.0	2825.138 *	2804.099 *	2774.491 *	2730.743 *	2685.084 *	2609.098 *	2512.442 *	2381.018 *	2203.912 *	1983.581 *
13.0	2844.016 *	2823.364 *	2796.061 *	2752.314 *	2704.268 *	2633.978 *	2528.921 *	2398.309 *	2223.817 *	2002.986 *
11.0	2863.138 *	2841.004 *	2812.374 *	2771.276 *	2720.004 *	2651.495 *	2543.894 *	2412.686 *	2235.118 *	2018.496 *
9.0	2878.173 *	2856.614 *	2825.836 *	2785.607 *	2731.701 *	2663.706 *	2558.977 *	2424.093 *	2247.089 *	2030.806 *
7.0	2889.339 *	2869.884 *	2837.294 *	2795.432 *	2741.195 *	2672.143 *	2566.792 *	2434.275 *	2256.477 *	2039.657 *
5.0	2898.145 *	2878.193 *	2847.323 *	2803.353 *	2747.815 *	2677.192 *	2573.986 *	2438.132 *	2263.036 *	2045.159 *
3.0	2904.368 *	2883.515 *	2854.198 *	2807.690 *	2751.014 *	2679.859 *	2578.439 *	2440.908 *	2266.520 *	2047.584 *
1.0	2907.232 *	2886.972 *	2858.232 *	2810.168 *	2751.549 *	2680.294 *	2580.367 *	2440.851 *	2266.887 *	2046.888 *
0.0	2907.090 *	2887.270 *	2859.265 *	2810.385 *	2750.840 *	2678.960 *	2579.610 *	2439.740 *	2265.895 *	2045.360 *
-1.0	2894.806 *	2876.655 *	2848.470 *	2800.260 *	2741.212 *	2670.286 *	2571.543 *	2431.900 *	2258.025 *	2037.034 *
-3.0	2867.901 *	2852.833 *	2824.903 *	2777.999 *	2719.878 *	2649.723 *	2551.887 *	2414.065 *	2239.933 *	2017.962 *
-5.0	2839.788 *	2827.913 *	2798.178 *	2754.001 *	2695.512 *	2626.676 *	2529.524 *	2393.436 *	2218.730 *	1995.594 *
-7.0	2818.426 *	2799.443 *	2766.344 *	2724.535 *	2668.684 *	2600.827 *	2504.113 *	2371.833 *	2194.458 *	1969.860 *
-9.0	2808.149 *	2780.566 *	2738.054 *	2691.815 *	2639.954 *	2571.422 *	2477.913 *	2343.752 *	2166.808 *	1940.430 *
-11.0	2790.052 *	2763.810 *	2722.798 *	2666.031 *	2606.244 *	2538.397 *	2443.934 *	2314.523 *	2136.071 *	1907.134 *
-13.0	2770.225 *	2741.805 *	2704.376 *	2645.269 *	2583.942 *	2502.792 *	2409.058 *	2281.443 *	2105.873 *	1870.124 *
-15.0	2748.659 *	2718.344 *	2680.510 *	2624.267 *	2561.427 *	2478.597 *	2369.593 *	2244.599 *	2065.016 *	1829.347 *
-17.0	2722.379 *	2693.275 *	2653.114 *	2597.110 *	2533.849 *	2453.406 *	2337.388 *	2204.436 *	2023.047 *	1785.295 *
-19.5	2692.172 *	2659.122 *	2614.584 *	2556.882 *	2496.013 *	2412.914 *	2299.328 *	2151.865 *	1960.288 *	1725.100 *
-22.5	2645.274 *	2611.596 *	2560.757 *	2503.363 *	2443.295 *	2358.219 *	2243.940 *	2092.479 *	1880.155 *	1645.052 *
-25.5	2587.730 *	2551.858 *	2507.430 *	2444.842 *	2376.104 *	2289.122 *	2180.230 *	2025.279 *	1801.914 *	1555.513 *
-29.0	2511.932 *	2479.410 *	2431.339 *	2367.028 *	2285.920 *	2206.016 *	2086.189 *	1930.513 *	1704.819 *	1451.804 *
-33.0	2407.589 *	2371.319 *	2321.166 *	2254.272 *	2183.261 *	2079.840 *	1961.935 *	1795.806 *	1576.944 *	1340.701 *
-37.5	2264.526 *	2231.769 *	2183.571 *	2113.005 *	2035.372 *	1930.333 *	1791.488 *	1622.050 *	1413.149 *	1195.364 *
-42.5	2079.369 *	2046.958 *	1994.139 *	1927.525 *	1837.502 *	1719.385 *	1564.966 *	1404.404 *	1226.204 *	1016.007 *
-47.5	1834.101 *	1804.022 *	1742.973 *	1662.888 *	1574.331 *	1462.238 *	1331.926 *	1170.807 *	1000.558 *	831.450 *
-55.0	1317.172 *	1290.771 *	1248.802 *	1182.935 *	1115.878 *	1032.086 *	925.595 *	798.856 *	673.459 *	560.074 *
-65.0	685.933 *	672.958 *	653.748 *	618.176 *	573.664 *	520.800 *	457.768 *	385.516 *	310.434 *	259.757
-75.0	208.545	204.488	198.521	188.819	173.020	153.353	130.858	104.705	75.920	58.090
-85.0	7.860	7.945	8.012	8.022	7.526	7.070	6.733	6.630	6.442	6.329
-90.0	7.019	7.123	7.252	7.408	7.446	7.490	7.540	7.596	7.659	7.609

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	12.244	11.964	11.478	10.936	10.670
85.0	46.360	33.922	20.192	11.721	10.670
75.0	193.221	123.510	56.564	15.016	10.669
65.0	414.751 *	262.078	111.406	21.847	10.669
55.0	676.525 *	416.032 *	177.450	30.734	10.669
47.5	897.620 *	533.029 *	229.865	37.630	10.669
42.5	1042.802 *	610.108 *	262.222	41.922	10.669
37.5	1169.931 *	687.188 *	293.946	46.243	10.668
33.0	1271.120 *	750.866 *	320.523 *	49.831	10.668
29.0	1350.027 *	801.412 *	341.679 *	53.189	10.668
25.5	1412.803 *	841.330 *	357.945 *	55.748	10.668
22.5	1460.358 *	873.070 *	370.061 *	57.653	10.668
19.5	1502.752 *	898.808 *	380.840 *	59.286	10.668
17.0	1532.528 *	917.673 *	388.834 *	60.437	10.668
15.0	1552.732 *	930.422 *	394.286 *	61.219	10.668
13.0	1571.427 *	941.149 *	398.891 *	61.876	10.668
11.0	1583.659 *	949.911 *	402.646 *	64.291	10.668
9.0	1594.266 *	956.687 *	405.547 *	64.077	10.668

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IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1601.841 *	961.457 *	407.591 *	63.861	10.668
5.0	1606.359 *	964.209 *	411.440 *	63.644	10.668
3.0	1611.256 *	967.220 *	410.066 *	63.427	10.668
1.0	1606.567 *	963.874 *	408.689 *	63.100	10.668
0.0	1604.220 *	962.200 *	408.000 *	63.100	10.668
-1.0	1597.126 *	957.500 *	405.938 *	62.883	10.668
-3.0	1582.954 *	948.108 *	401.818 *	62.449	10.668
-5.0	1559.248 *	932.387 *	397.707 *	62.015	10.668
-7.0	1536.020 *	916.977 *	388.493 *	61.583	10.668
-9.0	1509.870 *	899.618 *	381.122 *	61.153	10.668
-11.0	1480.857 *	880.344 *	372.992 *	60.725	10.668
-13.0	1450.430 *	859.190 *	364.125 *	57.810	10.668
-15.0	1413.753 *	836.197 *	354.544 *	56.594	10.668
-17.0	1375.837 *	811.872 *	344.274 *	55.281	10.668
-19.5	1324.018 *	779.546 *	330.503 *	53.509	10.668
-22.5	1255.205 *	738.660 *	313.160 *	51.204	10.668
-25.5	1180.534 *	692.384 *	294.923	48.715	10.667
-29.0	1090.749 *	637.181 *	272.165	45.597	10.667
-33.0	981.752 *	572.175 *	244.862	41.774	10.667
-37.5	858.924 *	497.129 *	212.885	37.802	10.667
-42.5	727.243 *	412.219 *	177.135	33.494	10.667
-47.5	589.902 *	328.568 *	143.966	29.433	10.667
-55.0	397.473 *	211.059	96.073	23.401	10.668
-65.0	180.740	85.584	46.068	16.337	10.668
-75.0	38.562	15.470	18.411	11.455	10.668
-85.0	6.327	6.655	9.175	9.864	10.668
-90.0	7.368	7.044	8.198	9.846	10.668

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 4159.63
Total Field Lumens (one side of beam only) = 4067.86
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.08	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.19
85	0.82	1.65	1.65	1.64	1.62	1.61	1.58	1.55	1.52	1.85
75	2.21 *	4.42 *	4.41 *	4.38 *	4.33 *	4.28 *	4.21 *	4.13 *	4.03 *	4.89 *
65	4.12 *	8.23 *	8.20 *	8.14 *	8.06 *	7.95 *	7.83 *	7.68 *	7.50 *	9.10 *
55	4.33 *	8.65 *	8.62 *	8.56 *	8.48 *	8.38 *	8.26 *	8.12 *	7.95 *	9.67 *
47.5	3.33 *	6.65 *	6.63 *	6.59 *	6.53 *	6.46 *	6.38 *	6.27 *	6.15 *	7.51 *
42.5	3.60 *	7.19 *	7.17 *	7.13 *	7.07 *	7.00 *	6.91 *	6.80 *	6.68 *	8.17 *
37.5	3.44 *	6.88 *	6.86 *	6.82 *	6.77 *	6.70 *	6.61 *	6.51 *	6.40 *	7.83 *
33	3.20 *	6.38 *	6.36 *	6.33 *	6.28 *	6.22 *	6.14 *	6.05 *	5.95 *	7.28 *
29	2.88 *	5.76 *	5.74 *	5.71 *	5.67 *	5.61 *	5.54 *	5.47 *	5.38 *	6.58 *
25.5	2.52 *	5.04 *	5.03 *	5.00 *	4.97 *	4.92 *	4.87 *	4.80 *	4.72 *	5.78 *
22.5	2.57 *	5.13 *	5.11 *	5.09 *	5.05 *	5.01 *	4.95 *	4.89 *	4.81 *	5.89 *
19.5	2.17 *	4.33 *	4.32 *	4.30 *	4.27 *	4.23 *	4.18 *	4.13 *	4.07 *	4.98 *
17	1.75 *	3.50 *	3.49 *	3.47 *	3.45 *	3.42 *	3.38 *	3.34 *	3.29 *	4.02 *
15	1.76 *	3.52 *	3.51 *	3.50 *	3.47 *	3.44 *	3.41 *	3.36 *	3.31 *	4.05 *
13	1.78 *	3.55 *	3.53 *	3.52 *	3.50 *	3.47 *	3.43 *	3.38 *	3.33 *	4.07 *
11	1.78 *	3.56 *	3.55 *	3.53 *	3.51 *	3.48 *	3.45 *	3.40 *	3.34 *	4.09 *
9	1.79 *	3.57 *	3.56 *	3.55 *	3.52 *	3.50 *	3.46 *	3.41 *	3.36 *	4.11 *
7	1.79 *	3.58 *	3.57 *	3.56 *	3.53 *	3.50 *	3.47 *	3.42 *	3.37 *	4.12 *
5	1.79 *	3.58 *	3.58 *	3.56 *	3.54 *	3.51 *	3.48 *	3.43 *	3.38 *	4.14 *
3	1.79 *	3.59 *	3.59 *	3.58 *	3.56 *	3.53 *	3.49 *	3.44 *	3.39 *	4.15 *
1	0.90 *	1.80 *	1.80 *	1.80 *	1.78 *	1.77 *	1.75 *	1.72 *	1.70 *	2.08 *
0	0.90 *	1.80 *	1.80 *	1.79 *	1.78 *	1.77 *	1.75 *	1.72 *	1.69 *	2.07 *
-1	1.79 *	3.59 *	3.58 *	3.57 *	3.55 *	3.52 *	3.48 *	3.43 *	3.38 *	4.13 *
-3	1.79 *	3.58 *	3.57 *	3.55 *	3.53 *	3.49 *	3.45 *	3.41 *	3.35 *	4.11 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWW-900.IES

LUMENS TABULATION - (Cont.)

-5	1.79 *	3.57 *	3.56 *	3.54 *	3.51 *	3.48 *	3.44 *	3.39 *	3.33 *	4.08 *
-7	1.78 *	3.56 *	3.55 *	3.53 *	3.50 *	3.46 *	3.42 *	3.37 *	3.31 *	4.05 *
-9	1.78 *	3.55 *	3.54 *	3.52 *	3.49 *	3.45 *	3.40 *	3.35 *	3.29 *	4.02 *
-11	1.77 *	3.53 *	3.52 *	3.50 *	3.47 *	3.43 *	3.38 *	3.33 *	3.27 *	4.00 *
-13	1.76 *	3.51 *	3.49 *	3.47 *	3.44 *	3.40 *	3.36 *	3.31 *	3.25 *	3.97 *
-15	1.74 *	3.48 *	3.46 *	3.44 *	3.41 *	3.38 *	3.33 *	3.28 *	3.22 *	3.93 *
-17	2.15 *	4.30 *	4.28 *	4.26 *	4.22 *	4.18 *	4.12 *	4.05 *	3.98 *	4.86 *
-19.5	2.54 *	5.08 *	5.06 *	5.03 *	4.99 *	4.93 *	4.87 *	4.79 *	4.70 *	5.73 *
-22.5	2.49 *	4.98 *	4.96 *	4.93 *	4.89 *	4.84 *	4.77 *	4.69 *	4.60 *	5.61 *
-25.5	2.83 *	5.65 *	5.63 *	5.60 *	5.55 *	5.49 *	5.42 *	5.33 *	5.22 *	6.36 *
-29	3.12 *	6.23 *	6.21 *	6.17 *	6.12 *	6.05 *	5.96 *	5.86 *	5.74 *	7.00 *
-33	3.34 *	6.67 *	6.64 *	6.60 *	6.54 *	6.46 *	6.37 *	6.25 *	6.13 *	7.45 *
-37.5	3.45 *	6.89 *	6.86 *	6.81 *	6.75 *	6.67 *	6.57 *	6.45 *	6.32 *	7.67 *
-42.5	3.11 *	6.22 *	6.19 *	6.15 *	6.09 *	6.01 *	5.91 *	5.80 *	5.67 *	6.86 *
-47.5	3.78 *	7.55 *	7.52 *	7.46 *	7.38 *	7.27 *	7.14 *	6.98 *	6.80 *	8.20 *
-55	3.21 *	6.42 *	6.39 *	6.33 *	6.26 *	6.16 *	6.04 *	5.90 *	5.73 *	6.90 *
-65	1.43 *	2.86 *	2.85 *	2.83 *	2.79 *	2.75 *	2.69 *	2.63 *	2.55 *	3.07 *
-75	0.34	0.69	0.69	0.68	0.67	0.66	0.65	0.63	0.61	0.74
-85	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
-90										
Total	97.31	194.48	193.85	192.70	191.09	189.01	186.46	183.44	179.96	219.36

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.22	0.22	0.25	0.27	0.29	0.30	0.26	0.32	0.28	0.13
85	2.13	2.04	2.25	2.38	2.43	2.36	1.98	2.23	1.76	0.71
75	5.64 *	5.38 *	5.91 *	6.23 *	6.26 *	5.97 *	4.90 *	5.38 *	4.10	1.56
65	10.47 *	9.95 *	10.89 *	11.43 *	11.47 *	10.90 *	8.85 *	9.59 *	7.13 *	2.63
55	11.16 *	10.62 *	11.65 *	12.23 *	12.29 *	11.68 *	9.48 *	10.29 *	7.55 *	2.72 *
47.5	8.72 *	8.34 *	9.19 *	9.71 *	9.79 *	9.33 *	7.62 *	8.32 *	6.09 *	2.17 *

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LUMENS TABULATION - (Cont.)

42.5	9.49 *	9.10 *	10.07 *	10.69 *	10.83 *	10.39 *	8.55 *	9.39 *	6.88 *	2.44 *
37.5	9.10 *	8.74 *	9.68 *	10.30 *	10.48 *	10.12 *	8.40 *	9.28 *	6.80 *	2.42 *
33	8.48 *	8.15 *	9.03 *	9.60 *	9.80 *	9.51 *	7.95 *	8.81 *	6.47 *	2.31 *
29	7.67 *	7.38 *	8.18 *	8.70 *	8.89 *	8.66 *	7.27 *	8.08 *	5.96 *	2.13 *
25.5	6.73 *	6.47 *	7.18 *	7.65 *	7.82 *	7.64 *	6.43 *	7.16 *	5.30 *	1.89 *
22.5	6.85 *	6.59 *	7.31 *	7.80 *	7.98 *	7.80 *	6.58 *	7.35 *	5.45 *	1.95 *
19.5	5.79 *	5.57 *	6.18 *	6.59 *	6.76 *	6.60 *	5.57 *	6.24 *	4.64 *	1.66 *
17	4.68 *	4.50 *	4.99 *	5.33 *	5.46 *	5.34 *	4.50 *	5.06 *	3.77 *	1.35 *
15	4.71 *	4.53 *	5.03 *	5.37 *	5.50 *	5.38 *	4.54 *	5.11 *	3.80 *	1.36 *
13	4.74 *	4.56 *	5.06 *	5.40 *	5.54 *	5.41 *	4.58 *	5.15 *	3.83 *	1.37 *
11	4.76 *	4.58 *	5.09 *	5.43 *	5.56 *	5.44 *	4.60 *	5.18 *	3.86 *	1.38 *
9	4.78 *	4.60 *	5.11 *	5.45 *	5.59 *	5.46 *	4.62 *	5.20 *	3.87 *	1.38 *
7	4.80 *	4.62 *	5.13 *	5.47 *	5.60 *	5.48 *	4.63 *	5.21 *	3.88 *	1.39 *
5	4.82 *	4.63 *	5.14 *	5.48 *	5.61 *	5.48 *	4.64 *	5.21 *	3.88 *	1.39 *
3	4.83 *	4.64 *	5.14 *	5.48 *	5.61 *	5.48 *	4.64 *	5.21 *	3.87 *	1.38 *
1	2.42 *	2.32 *	2.57 *	2.74 *	2.81 *	2.74 *	2.32 *	2.60 *	1.93 *	0.69 *
0	2.41 *	2.32 *	2.57 *	2.74 *	2.80 *	2.74 *	2.31 *	2.59 *	1.92 *	0.69 *
-1	4.81 *	4.62 *	5.12 *	5.46 *	5.58 *	5.45 *	4.60 *	5.16 *	3.83 *	1.36 *
-3	4.78 *	4.59 *	5.09 *	5.43 *	5.55 *	5.42 *	4.57 *	5.12 *	3.79 *	1.35 *
-5	4.74 *	4.56 *	5.05 *	5.39 *	5.51 *	5.38 *	4.53 *	5.07 *	3.74 *	1.33 *
-7	4.70 *	4.52 *	5.01 *	5.34 *	5.47 *	5.33 *	4.49 *	5.01 *	3.69 *	1.31 *
-9	4.67 *	4.48 *	4.97 *	5.29 *	5.41 *	5.28 *	4.43 *	4.94 *	3.63 *	1.29 *
-11	4.64 *	4.44 *	4.92 *	5.24 *	5.35 *	5.22 *	4.38 *	4.86 *	3.57 *	1.26 *
-13	4.60 *	4.41 *	4.87 *	5.17 *	5.29 *	5.15 *	4.31 *	4.77 *	3.49 *	1.23 *
-15	4.56 *	4.37 *	4.82 *	5.12 *	5.22 *	5.07 *	4.23 *	4.67 *	3.41 *	1.20 *
-17	5.63 *	5.39 *	5.95 *	6.31 *	6.42 *	6.21 *	5.16 *	5.68 *	4.13 *	1.45 *
-19.5	6.64 *	6.36 *	7.02 *	7.43 *	7.54 *	7.25 *	6.00 *	6.56 *	4.76 *	1.67 *
-22.5	6.49 *	6.21 *	6.85 *	7.25 *	7.33 *	7.02 *	5.76 *	6.26 *	4.51 *	1.58 *

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LUMENS TABULATION - (Cont.)

-25.5	7.37 *	7.04 *	7.75 *	8.18 *	8.25 *	7.86 *	6.39 *	6.88 *	4.93 *	1.73 *
-29	8.09 *	7.71 *	8.47 *	8.92 *	8.96 *	8.48 *	6.83 *	7.29 *	5.18 *	1.81 *
-33	8.60 *	8.19 *	8.96 *	9.39 *	9.35 *	8.77 *	7.02 *	7.41 *	5.20 *	1.81 *
-37.5	8.84 *	8.38 *	9.11 *	9.45 *	9.31 *	8.67 *	6.88 *	7.18 *	4.99 *	1.73 *
-42.5	7.86 *	7.39 *	7.98 *	8.21 *	8.03 *	7.40 *	5.82 *	6.02 *	4.15 *	1.43
-47.5	9.34 *	8.75 *	9.40 *	9.63 *	9.34 *	8.51 *	6.65 *	6.87 *	4.71 *	1.61
-55	7.84 *	7.31 *	7.83 *	7.95 *	7.62 *	6.87 *	5.35 *	5.54 *	3.75	1.26
-65	3.47 *	3.22 *	3.42 *	3.44 *	3.27	2.91	2.24	2.30	1.52	0.51
-75	0.84	0.78	0.82	0.83	0.79	0.69	0.52	0.54	0.36	0.15
-85	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04
-90										
Total	253.95	242.59	267.04	281.94	284.79	273.21	225.42	247.11	180.42	64.20

Vert. Angles	**Horizontal Angles**		
75	**85**	**90**	**Total**
90	0.04	0.00	4.15
85	0.15	0.01	35.94
75	0.28	0.01	92.93
65	0.46	0.01	170.59
55	0.47	0.01	181.16
47.5	0.37	0.01	142.17
42.5	0.41	0.01	156.00
37.5	0.41	0.01	150.56
33	0.39	0.01	140.69
29	0.36	0.01	127.61
25.5	0.32	0.01	112.25
22.5	0.33	0.01	114.48
19.5	0.28	0.01	96.85
17	0.23	0.00	78.30
15	0.23	0.00	78.91

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LUMENS TABULATION - (Cont.)

13			
	0.23	0.00	79.42
11			
	0.23	0.00	79.82
9			
	0.23	0.00	80.12
7			
	0.23	0.00	80.34
5			
	0.23	0.00	80.51
3			
	0.23	0.00	80.62
1			
	0.12	0.00	40.34
0			
	0.11	0.00	40.29
-1			
	0.23	0.00	80.23
-3			
	0.23	0.00	79.76
-5			
	0.22	0.00	79.23
-7			
	0.22	0.00	78.65
-9			
	0.22	0.00	78.00
-11			
	0.21	0.00	77.27
-13			
	0.21	0.00	76.46
-15			
	0.20	0.00	75.55
-17			
	0.24	0.00	93.01
-19.5			
	0.28	0.01	109.24
-22.5			
	0.27	0.01	106.30
-25.5			
	0.29	0.01	119.77
-29			
	0.31	0.01	130.50
-33			
	0.31	0.01	137.45
-37.5			
	0.30	0.01	139.28
-42.5			
	0.25	0.01	122.54
-47.5			
	0.28	0.01	145.17
-55			
	0.23	0.01	120.92
-65			
	0.12	0.01	52.86
-75			
	0.06	0.01	12.75

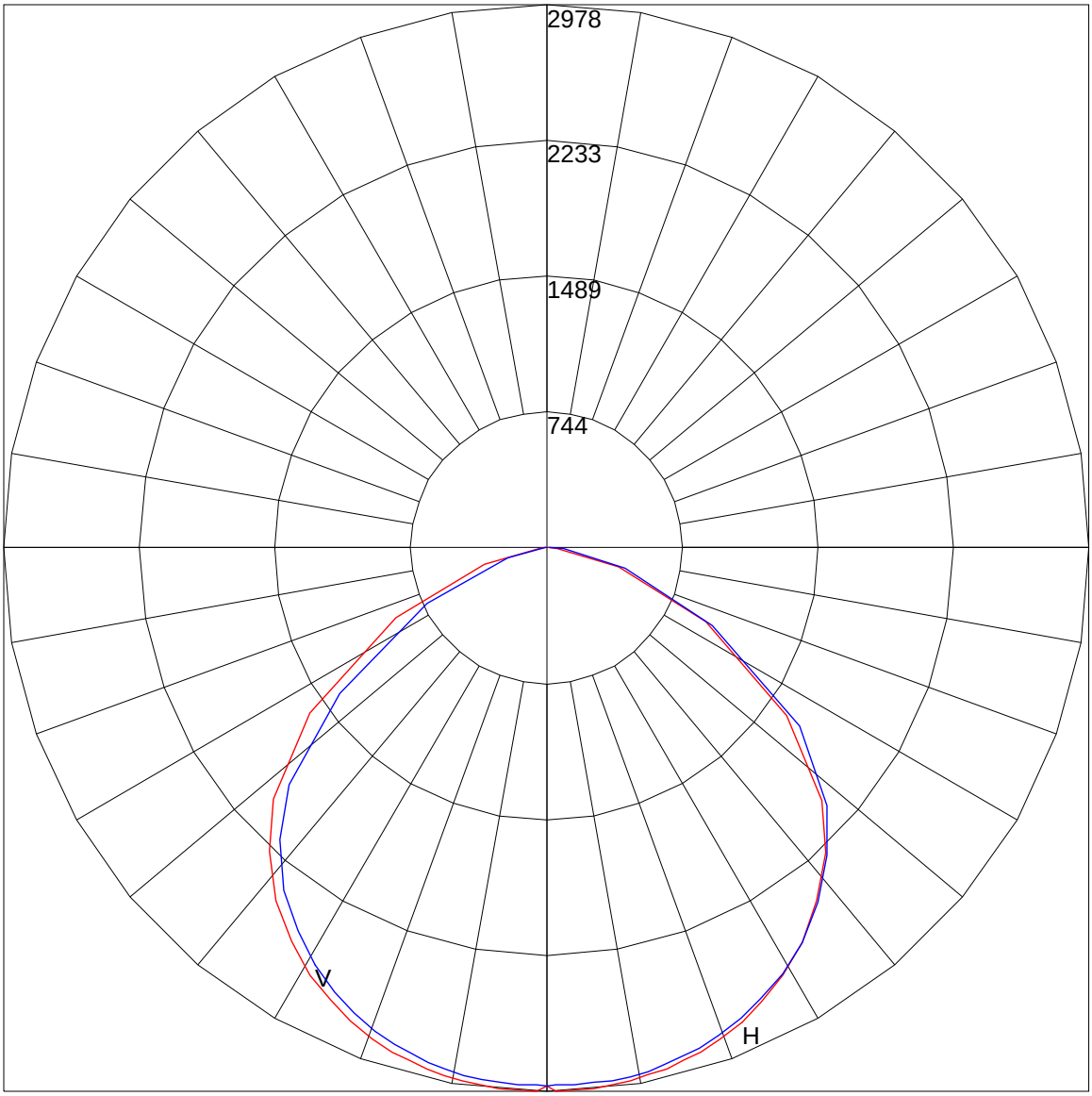
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LUMENS TABULATION - (Cont.)

-85			
	0.02	0.00	0.63
-90			
Total	11.02	0.24	4159.63

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWW-900.IES

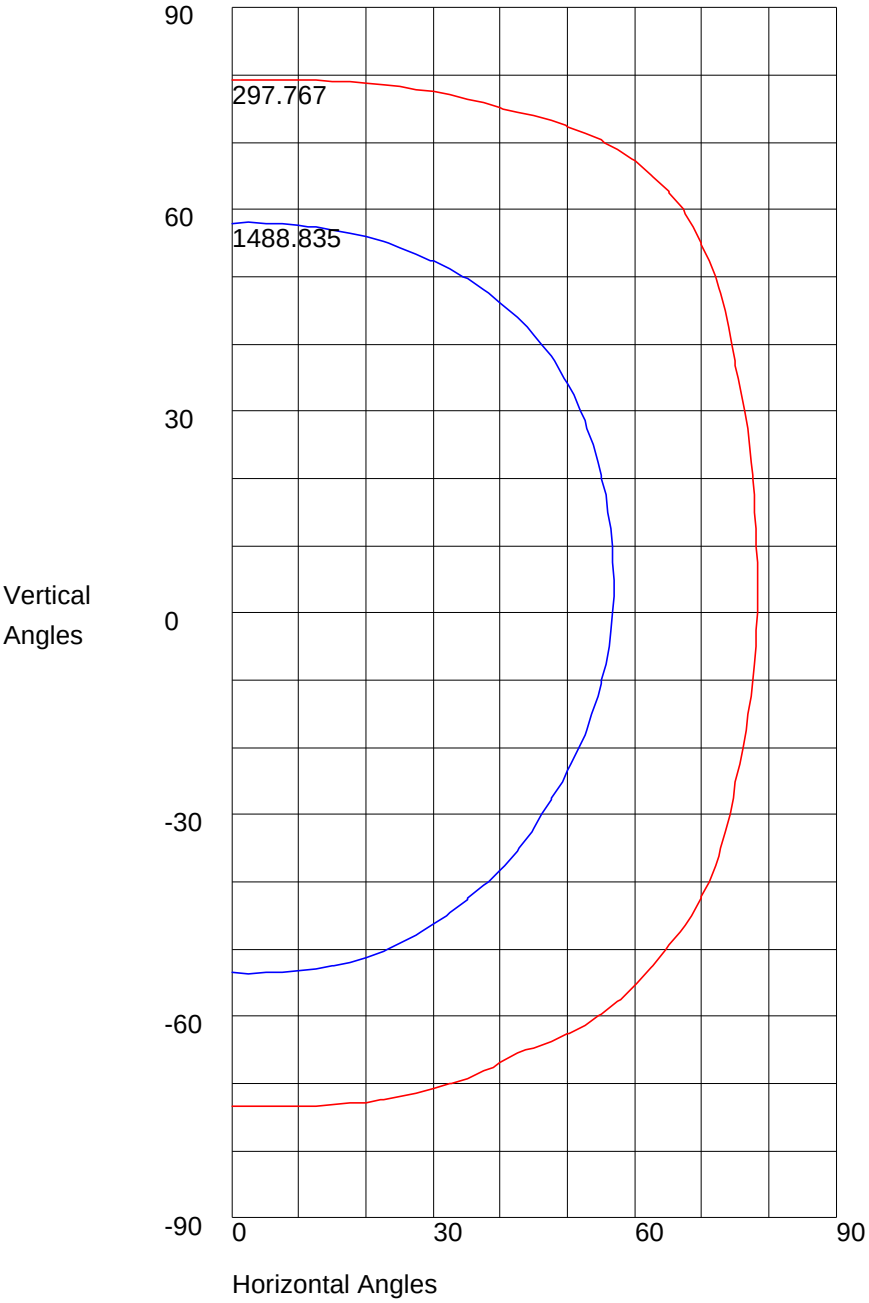
AXIAL CANDELA DISPLAY



Maximum Candela = 2977.67 Located At Horizontal Angle =-1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWW-900.IES

ISOCANDELA CURVES



Maximum Candela = 2977.67 Located At Horizontal Angle =-1, Vertical Angle = 0
50% Maximum Candela = 1488.835
10% Maximum Candela = 297.767