



IES ROAD REPORT

PHOTOMETRIC FILENAME : VG1-L65-750-TFL-XX-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] ATAL009393-R2
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2023-11-06
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] VG1-L65-750-TFL-xx-xxx-DIM-UNV_
[LUMINAIRE] 13.5 x 16 INCH DIE CAST LED LUMINAIRE
[MORE] WITH TFL FLOOD OPTIC AND CLEAR GLASS LENS.
[LAMPCAT] X12-LUXEON M LEDS
[LAMP] (12) LUXEON M LEDS
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor, Architectural, Area, Canopy, Garage, Industrial, Parking, Site, Direct, Wet Location
[SEARCH_MOUNTING] Pendant, Surface

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8219
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	69
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3441.501
Maximum Candela Angle	45H 45V
Maximum Candela (<90 Degrees Vertical)	3441.501
Maximum Candela Angle (<90 Degrees Vertical)	45H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	59.378 (0.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L65-750-TFL-XX-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1011.5	N.A.	12.3
FM - Front-Medium (30-60)	2794.4	N.A.	34.0
FH - Front-High (60-80)	295.6	N.A.	3.6
FVH - Front-Very High (80-90)	8.2	N.A.	0.1
BL - Back-Low (0-30)	1011.5	N.A.	12.3
BM - Back-Medium (30-60)	2794.4	N.A.	34.0
BH - Back-High (60-80)	295.6	N.A.	3.6
BVH - Back-Very High (80-90)	8.2	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8219.4	N.A.	100.0
BUG Rating	B3-U0-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : VG1-L65-750-TFL-XX-XXX-DIM-UNV_.IES

CANDELA TABULATION

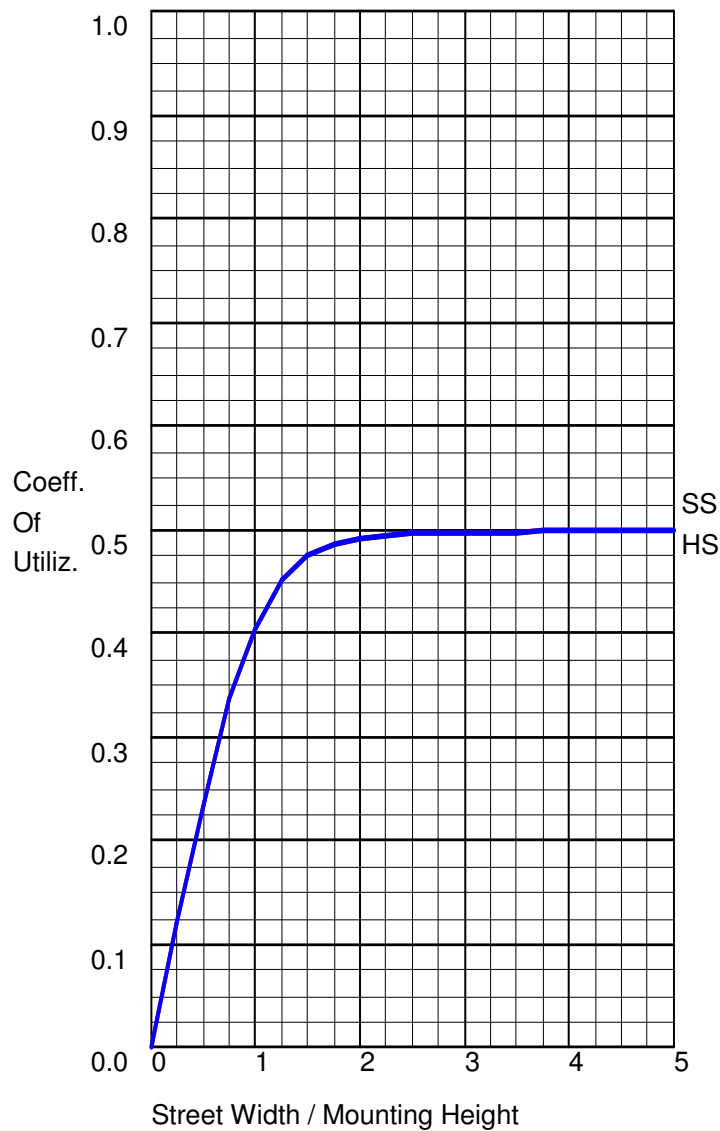
Vert. Angles	Horizontal Angles										
	0	5	10	15	20	25	30	35	40	45	
0.0	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	
2.5	2299.683	2300.486	2302.893	2302.893	2300.486	2303.695	2303.695	2302.893	2302.893	2302.091	
5.0	2298.881	2297.276	2296.474	2297.276	2294.869	2298.079	2300.486	2300.486	2301.288	2298.881	
7.5	2296.474	2293.264	2291.659	2291.659	2292.462	2295.671	2300.486	2302.091	2303.695	2300.486	
10.0	2296.474	2291.659	2287.647	2290.857	2294.869	2299.683	2306.905	2310.115	2313.324	2310.115	
12.5	2300.486	2297.276	2292.462	2297.276	2306.103	2311.719	2320.546	2325.360	2329.372	2327.767	
15.0	2318.139	2315.731	2311.719	2318.139	2330.175	2336.594	2345.420	2352.642	2357.456	2355.851	
17.5	2339.001	2338.199	2338.199	2347.025	2363.073	2372.702	2380.726	2390.355	2395.169	2395.169	
20.0	2355.049	2356.654	2361.468	2375.109	2396.774	2413.624	2424.858	2436.894	2444.116	2444.918	
22.5	2355.851	2359.863	2372.702	2395.972	2425.660	2451.337	2470.595	2485.038	2498.679	2500.284	
25.0	2339.803	2347.025	2371.899	2409.612	2451.337	2489.050	2520.344	2539.601	2558.859	2561.266	
27.5	2315.731	2330.175	2366.283	2418.439	2479.421	2530.775	2576.512	2607.003	2632.680	2636.692	
30.0	2306.103	2326.163	2372.702	2436.092	2515.529	2585.338	2645.518	2693.663	2729.771	2738.597	
32.5	2320.546	2343.815	2396.774	2468.990	2565.278	2656.752	2736.190	2801.987	2847.724	2862.969	
35.0	2345.420	2369.492	2426.463	2511.517	2623.051	2736.190	2835.688	2921.545	2980.120	3000.180	
37.5	2366.283	2389.552	2451.337	2551.637	2683.231	2813.220	2929.569	3035.486	3111.714	3136.588	
40.0	2373.504	2398.379	2466.583	2581.326	2734.585	2882.227	3012.216	3130.169	3230.469	3274.601	
42.5	2389.552	2416.834	2492.260	2615.830	2773.100	2920.742	3056.348	3195.966	3327.560	3386.938	
45.0	2417.636	2448.930	2534.787	2658.357	2795.568	2910.311	3021.042	3190.349	3366.878	3441.501	
47.5	2414.427	2448.128	2537.997	2651.135	2748.226	2819.640	2910.311	3098.073	3320.338	3428.663	
50.0	2268.390	2306.905	2407.205	2512.320	2587.746	2635.087	2733.783	2948.024	3181.523	3295.464	
52.5	1949.034	1990.759	2093.466	2217.036	2294.067	2370.295	2504.296	2720.944	2907.904	2976.910	
55.0	1525.366	1571.905	1678.624	1810.218	1904.902	2018.040	2167.287	2365.480	2468.188	2481.026	
57.5	1091.266	1131.386	1236.501	1386.550	1485.246	1604.001	1752.445	1900.087	1930.579	1932.183	
60.0	662.784	690.065	775.120	929.181	1043.122	1160.273	1279.028	1377.724	1384.143	1388.155	
62.5	368.302	385.153	442.926	529.585	627.478	722.964	808.019	865.791	867.396	873.013	
65.0	239.116	244.733	271.212	313.739	361.081	417.249	459.776	492.675	496.687	513.537	
67.5	170.912	174.924	188.564	211.834	236.709	265.595	291.272	310.529	315.344	322.565	
70.0	129.187	131.594	140.420	154.864	170.109	186.157	201.403	213.439	217.451	221.463	
72.5	99.498	101.103	107.522	117.151	125.977	137.211	146.037	154.061	157.271	160.480	
75.0	74.623	77.031	81.043	87.462	93.079	101.103	106.719	112.336	114.743	117.151	
77.5	53.761	55.366	58.575	63.390	67.402	73.019	76.228	80.240	82.647	85.857	
80.0	33.701	35.306	38.515	41.725	44.934	48.144	49.749	53.761	56.971	59.378	
82.5	16.048	17.653	20.862	24.072	26.479	27.282	28.084	29.689	32.898	36.910	
85.0	5.617	6.419	8.024	10.431	11.234	11.234	10.431	10.431	12.036	14.443	
87.5	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605	2.407	
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Vert. Angles	Horizontal Angles								
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0.0	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893	2302.893
2.5	2304.498	2308.510	2305.300	2298.079	2294.869	2295.671	2299.683	2300.486	2300.486
5.0	2300.486	2302.091	2298.881	2294.067	2293.264	2293.264	2296.474	2296.474	2296.474
7.5	2301.288	2299.683	2295.671	2293.264	2293.264	2291.659	2293.264	2291.659	2291.659
10.0	2308.510	2302.893	2298.079	2296.474	2296.474	2293.264	2290.857	2287.647	2287.647
12.5	2322.953	2314.929	2309.312	2308.510	2306.905	2302.091	2294.869	2290.857	2289.252
15.0	2347.827	2338.199	2334.187	2332.582	2330.175	2324.558	2312.522	2306.905	2303.695
17.5	2384.738	2372.702	2369.492	2367.887	2363.875	2354.247	2334.989	2326.965	2322.953
20.0	2433.684	2416.032	2410.415	2406.403	2398.379	2381.528	2355.049	2339.001	2334.187
22.5	2484.236	2463.373	2452.140	2443.313	2428.870	2401.588	2365.480	2339.001	2330.175
25.0	2542.811	2518.739	2499.481	2482.631	2456.152	2414.427	2365.480	2326.163	2312.522
27.5	2617.434	2588.548	2558.859	2526.763	2483.433	2424.858	2361.468	2311.719	2291.659

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L65-750-TFL-XX-XXX-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

30.0	2717.735	2680.022	2636.692	2585.338	2521.146	2444.918	2371.097	2314.127	2290.055
32.5	2843.712	2795.568	2735.387	2660.764	2572.500	2477.817	2393.564	2332.582	2306.905
35.0	2979.318	2920.742	2839.700	2741.807	2628.668	2514.727	2420.846	2358.259	2332.582
37.5	3109.307	3037.091	2935.185	2818.035	2684.836	2551.637	2445.720	2377.516	2352.642
40.0	3232.877	3136.588	3020.240	2884.634	2731.375	2579.722	2460.164	2387.145	2359.863
42.5	3334.782	3203.990	3062.767	2919.940	2765.879	2607.003	2475.409	2394.367	2363.073
45.0	3372.494	3195.966	3023.450	2897.473	2768.286	2615.830	2473.805	2377.516	2339.001
47.5	3322.746	3102.085	2902.287	2778.717	2687.243	2554.045	2416.834	2306.905	2264.378
50.0	3180.720	2944.012	2708.106	2569.290	2501.889	2387.145	2261.168	2138.401	2091.861
52.5	2913.521	2696.070	2461.768	2292.462	2209.814	2107.107	1997.980	1884.039	1845.524
55.0	2468.990	2339.001	2126.365	1945.824	1855.955	1772.505	1686.648	1590.360	1543.821
57.5	1931.381	1869.596	1711.523	1555.857	1478.826	1415.437	1354.454	1285.448	1256.561
60.0	1390.562	1350.442	1246.932	1126.572	1070.404	1025.469	986.954	937.205	917.948
62.5	888.259	861.779	782.342	703.706	665.993	637.107	617.849	588.160	578.532
65.0	506.315	489.465	448.543	411.632	387.560	362.686	350.650	329.787	326.578
67.5	316.949	305.715	288.062	265.595	247.942	231.894	215.044	202.205	200.600
70.0	217.451	210.229	199.798	185.355	173.319	158.073	143.630	134.001	133.199
72.5	157.271	152.456	145.235	134.803	124.372	111.534	100.300	93.079	92.276
75.0	115.546	112.336	107.522	97.893	89.067	78.635	69.809	64.192	63.390
77.5	84.252	81.845	78.635	70.611	62.587	54.563	46.539	42.527	42.527
80.0	58.575	56.971	54.563	48.947	41.725	34.503	28.084	25.677	24.874
82.5	36.910	35.306	34.503	28.886	24.072	18.455	14.443	12.036	12.036
85.0	14.443	13.641	14.443	12.838	10.431	7.222	6.419	4.814	4.814
87.5	2.407	1.605	1.605	1.605	1.605	1.605	1.605	1.605	1.605
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

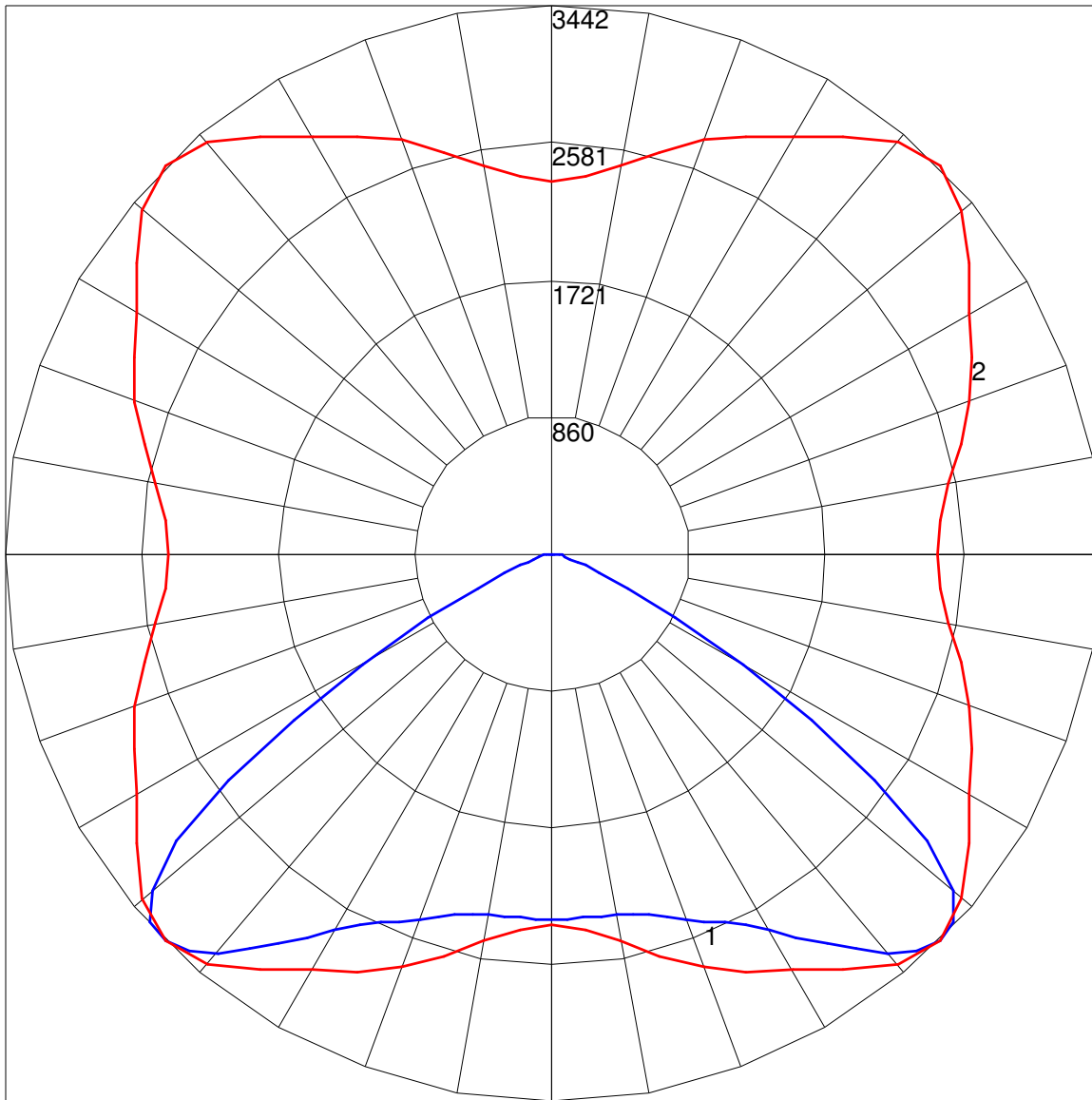
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

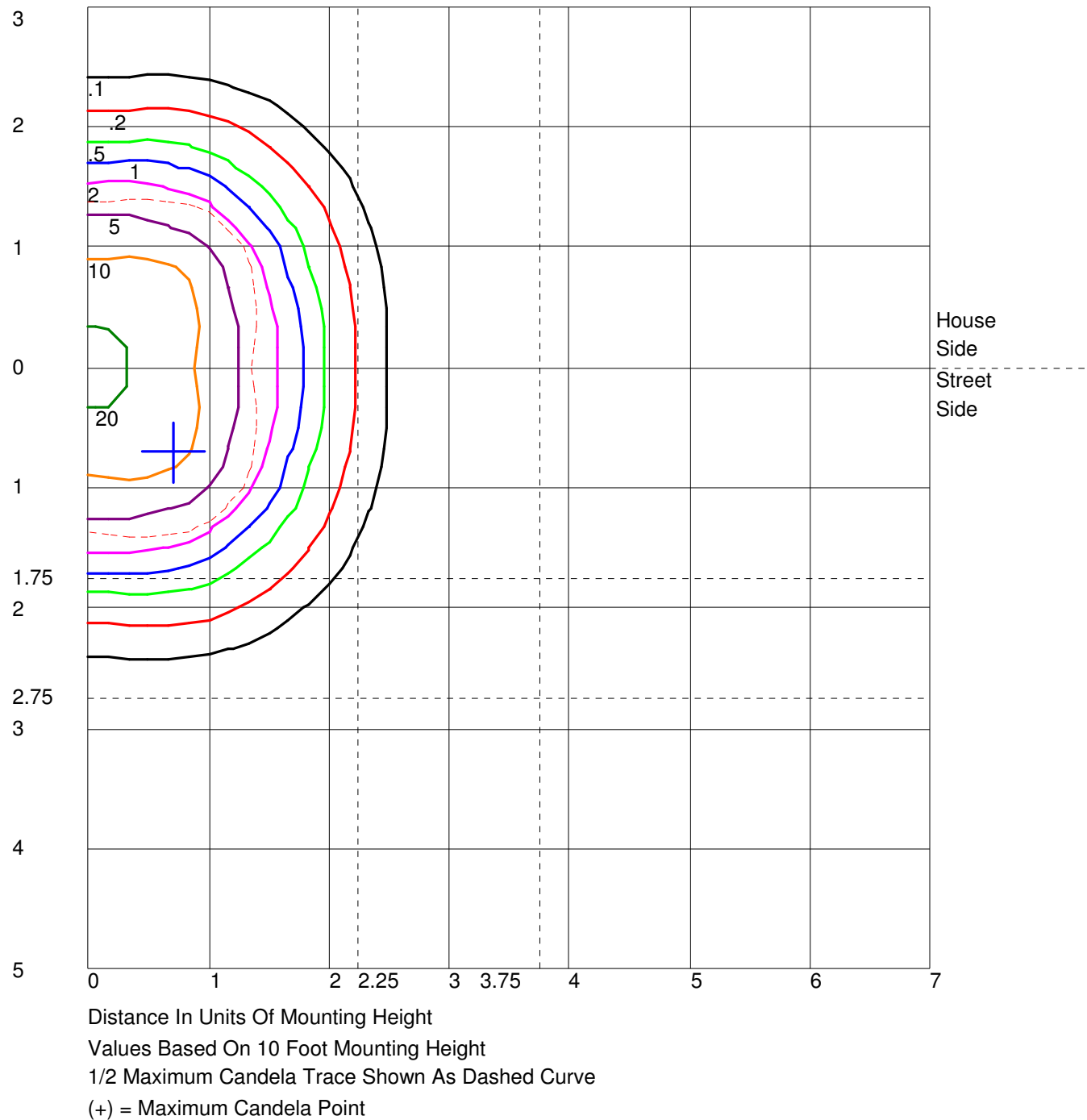
	Lumens	Percent Of Luminaire
Downward Street Side	4109.6	50.0
Downward House Side	4109.6	50.0
Downward Total	8219.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8219.2	100.0

POLAR GRAPH

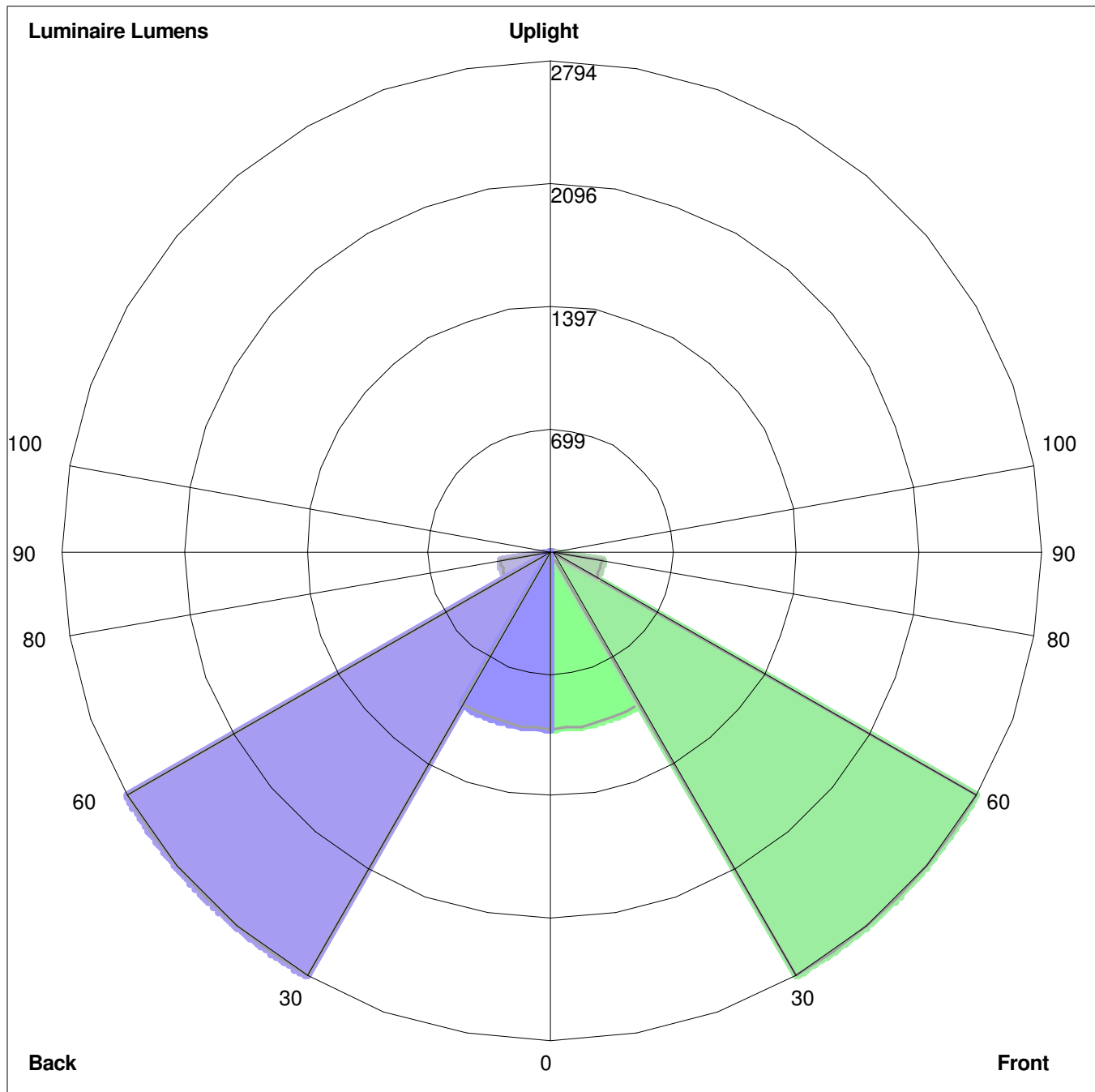


Maximum Candela = 3441.501 Located At Horizontal Angle = 45, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1011.5, Medium=2794.4, High=295.6, Very High=8.2
Back: Low=1011.5, Medium=2794.4, High=295.6, Very High=8.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G0