



IES ROAD REPORT

PHOTOMETRIC FILENAME : VG1-L30-750-TFL-XX-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] ATAL009393-R2
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2023-11-06
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] VG1-L30-750-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	4110
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	36
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1720.959
Maximum Candela Angle	45H 45V
Maximum Candela (<90 Degrees Vertical)	1720.959
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	29.692 (0.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L30-750-TFL-XX-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	505.8	N.A.	12.3
FM - Front-Medium (30-60)	1397.4	N.A.	34.0
FH - Front-High (60-80)	147.8	N.A.	3.6
FVH - Front-Very High (80-90)	4.1	N.A.	0.1
BL - Back-Low (0-30)	505.8	N.A.	12.3
BM - Back-Medium (30-60)	1397.4	N.A.	34.0
BH - Back-High (60-80)	147.8	N.A.	3.6
BVH - Back-Very High (80-90)	4.1	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	4110.2	N.A.	100.0
BUG Rating	B2-U0-G0		

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CANDELA TABULATION

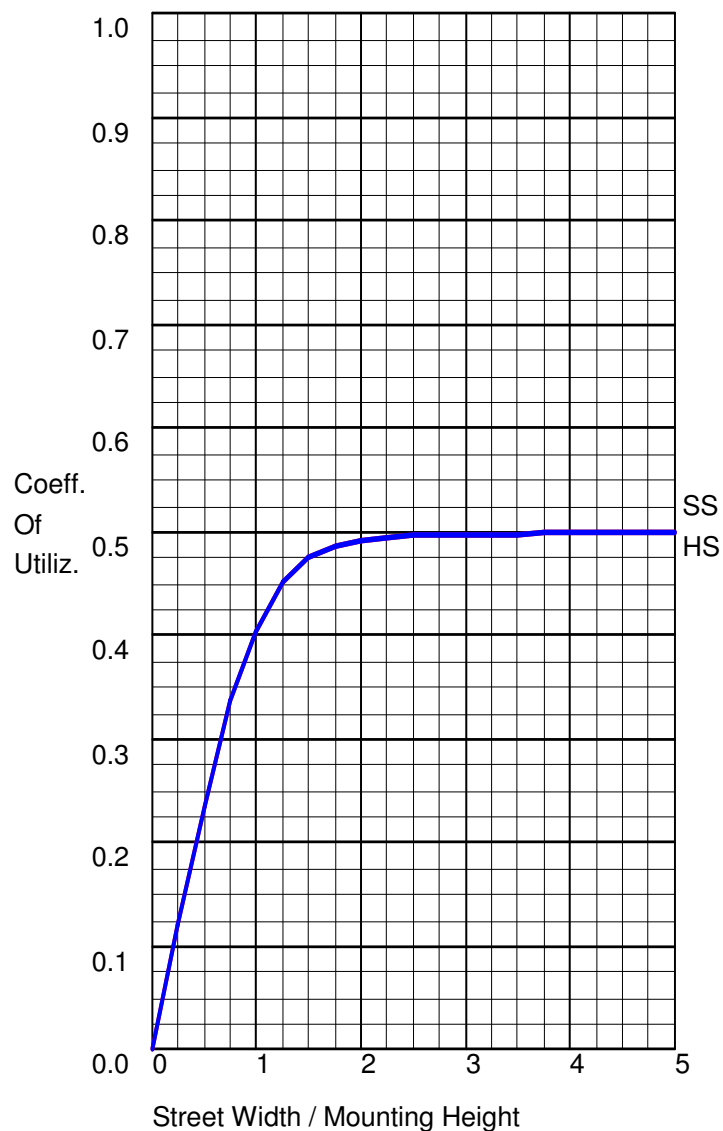
Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586
2.5	1149.981	1150.383	1151.586	1151.586	1150.383	1151.988	1151.988	1151.586	1151.586	1151.185
5.0	1149.580	1148.778	1148.376	1148.778	1147.574	1149.179	1150.383	1150.383	1150.784	1149.580
7.5	1148.376	1146.771	1145.969	1145.969	1146.370	1147.975	1150.383	1151.185	1151.988	1150.383
10.0	1148.376	1145.969	1143.963	1145.568	1147.574	1149.981	1153.593	1155.198	1156.803	1155.198
12.5	1150.383	1148.778	1146.370	1148.778	1153.191	1156.000	1160.414	1162.821	1164.828	1164.025
15.0	1159.210	1158.006	1156.000	1159.210	1165.229	1168.439	1172.853	1176.464	1178.871	1178.069
17.5	1169.643	1169.241	1169.241	1173.655	1181.680	1186.495	1190.508	1195.323	1197.730	1197.730
20.0	1177.668	1178.470	1180.878	1187.699	1198.533	1206.959	1212.576	1218.595	1222.206	1222.607
22.5	1178.069	1180.075	1186.495	1198.131	1212.978	1225.817	1235.447	1242.670	1249.491	1250.294
25.0	1170.044	1173.655	1186.094	1204.953	1225.817	1244.676	1260.325	1269.955	1279.585	1280.789
27.5	1158.006	1165.229	1183.285	1209.366	1239.861	1265.541	1288.412	1303.660	1316.500	1318.506
30.0	1153.191	1163.223	1186.495	1218.194	1257.917	1292.826	1322.920	1346.995	1365.051	1369.465
32.5	1160.414	1172.050	1198.533	1234.645	1282.795	1328.537	1368.261	1401.164	1424.035	1431.659
35.0	1172.853	1184.890	1213.379	1255.911	1311.685	1368.261	1418.016	1460.950	1490.241	1500.272
37.5	1183.285	1194.921	1225.817	1275.974	1341.779	1406.781	1464.962	1517.927	1556.046	1568.485
40.0	1186.896	1199.335	1233.441	1290.820	1367.459	1441.289	1506.291	1565.275	1615.431	1637.500
42.5	1194.921	1208.564	1246.281	1308.074	1386.719	1460.548	1528.360	1598.177	1663.982	1693.675
45.0	1208.965	1224.614	1267.547	1329.340	1397.954	1455.332	1510.705	1595.368	1683.643	1720.959
47.5	1207.360	1224.212	1269.152	1325.729	1374.280	1409.991	1455.332	1549.225	1660.371	1714.539
50.0	1134.333	1153.593	1203.749	1256.312	1294.030	1317.704	1367.057	1474.191	1590.955	1647.932
52.5	974.635	995.500	1046.860	1108.653	1147.173	1185.291	1252.300	1360.637	1454.129	1488.636
55.0	762.775	786.048	839.414	905.219	952.567	1009.143	1083.775	1182.884	1234.244	1240.664
57.5	545.699	565.762	618.326	693.359	742.713	802.098	876.329	950.159	965.407	966.209
60.0	331.432	345.075	387.607	464.647	521.624	580.207	639.592	688.946	692.156	694.162
62.5	184.174	192.600	221.490	264.825	313.777	361.526	404.058	432.948	433.751	436.560
65.0	119.572	122.381	135.622	156.889	180.562	208.650	229.916	246.367	248.373	256.800
67.5	85.466	87.472	94.294	105.930	118.369	132.814	145.654	155.284	157.691	161.302
70.0	64.601	65.805	70.219	77.441	85.065	93.090	100.714	106.732	108.739	110.745
72.5	49.755	50.557	53.767	58.582	62.996	68.614	73.027	77.040	78.645	80.250
75.0	37.316	38.520	40.526	43.736	46.545	50.557	53.366	56.175	57.379	58.582
77.5	26.884	27.686	29.291	31.699	33.705	36.514	38.119	40.125	41.329	42.934
80.0	16.852	17.655	19.260	20.865	22.470	24.075	24.877	26.884	28.489	29.692
82.5	8.025	8.827	10.432	12.037	13.241	13.642	14.044	14.846	16.451	18.457
85.0	2.809	3.210	4.012	5.216	5.617	5.617	5.216	5.216	6.019	7.222
87.5	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802	1.204
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	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	1151.586	
2.5	1152.389	1154.395	1152.790	1149.179	1147.574	1147.975	1149.981	1150.383	1150.383	
5.0	1150.383	1151.185	1149.580	1147.173	1146.771	1146.771	1148.376	1148.376	1148.376	
7.5	1150.784	1149.981	1147.975	1146.771	1146.771	1145.969	1146.771	1145.969	1145.969	
10.0	1154.395	1151.586	1149.179	1148.376	1148.376	1146.771	1145.568	1143.963	1143.963	
12.5	1161.618	1157.605	1154.796	1154.395	1153.593	1151.185	1147.574	1145.568	1144.765	
15.0	1174.056	1169.241	1167.235	1166.433	1165.229	1162.420	1156.401	1153.593	1151.988	
17.5	1192.514	1186.495	1184.890	1184.088	1182.081	1177.266	1167.636	1163.624	1161.618	
20.0	1216.990	1208.163	1205.354	1203.348	1199.335	1190.909	1177.668	1169.643	1167.235	
22.5	1242.269	1231.836	1226.219	1221.805	1214.583	1200.940	1182.884	1169.643	1165.229	
25.0	1271.560	1259.522	1249.892	1241.466	1228.225	1207.360	1182.884	1163.223	1156.401	
27.5	1308.876	1294.431	1279.585	1263.535	1241.867	1212.576	1180.878	1156.000	1145.969	

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30.0	1359.032	1340.174	1318.506	1292.826	1260.726	1222.607	1185.693	1157.204	1145.166
32.5	1422.029	1397.954	1367.860	1330.544	1286.406	1239.059	1196.928	1166.433	1153.593
35.0	1489.840	1460.548	1420.022	1371.070	1314.494	1257.516	1210.570	1179.273	1166.433
37.5	1554.842	1518.730	1467.771	1409.189	1342.581	1275.974	1223.009	1188.903	1176.464
40.0	1616.635	1568.485	1510.303	1442.492	1365.854	1290.017	1230.231	1193.718	1180.075
42.5	1667.593	1602.190	1531.570	1460.147	1383.107	1303.660	1237.855	1197.329	1181.680
45.0	1686.452	1598.177	1511.908	1448.912	1384.311	1308.074	1237.052	1188.903	1169.643
47.5	1661.575	1551.231	1451.320	1389.527	1343.785	1277.177	1208.564	1153.593	1132.326
50.0	1590.553	1472.185	1354.217	1284.801	1251.096	1193.718	1130.721	1069.330	1046.058
52.5	1456.937	1348.199	1231.034	1146.370	1105.041	1053.681	999.111	942.134	922.874
55.0	1234.645	1169.643	1063.311	973.030	928.090	886.360	843.427	795.277	772.004
57.5	965.808	934.912	855.865	778.023	739.503	707.804	677.309	642.802	628.357
60.0	695.366	675.303	623.542	563.354	535.267	512.797	493.537	468.660	459.030
62.5	444.183	430.942	391.218	351.896	333.037	318.592	308.962	294.116	289.301
65.0	253.188	244.762	224.299	205.841	193.804	181.365	175.346	164.914	163.309
67.5	158.494	152.876	144.049	132.814	123.986	115.961	107.535	101.115	100.312
70.0	108.739	105.127	99.911	92.689	86.670	79.046	71.824	67.009	66.607
72.5	78.645	76.237	72.626	67.410	62.194	55.774	50.156	46.545	46.144
75.0	57.780	56.175	53.767	48.952	44.539	39.322	34.909	32.100	31.699
77.5	42.131	40.927	39.322	35.310	31.297	27.285	23.272	21.266	21.266
80.0	29.291	28.489	27.285	24.476	20.865	17.254	14.044	12.840	12.439
82.5	18.457	17.655	17.254	14.445	12.037	9.229	7.222	6.019	6.019
85.0	7.222	6.821	7.222	6.420	5.216	3.611	3.210	2.407	2.407
87.5	1.204	0.802	0.802	0.802	0.802	0.802	0.802	0.802	0.802
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

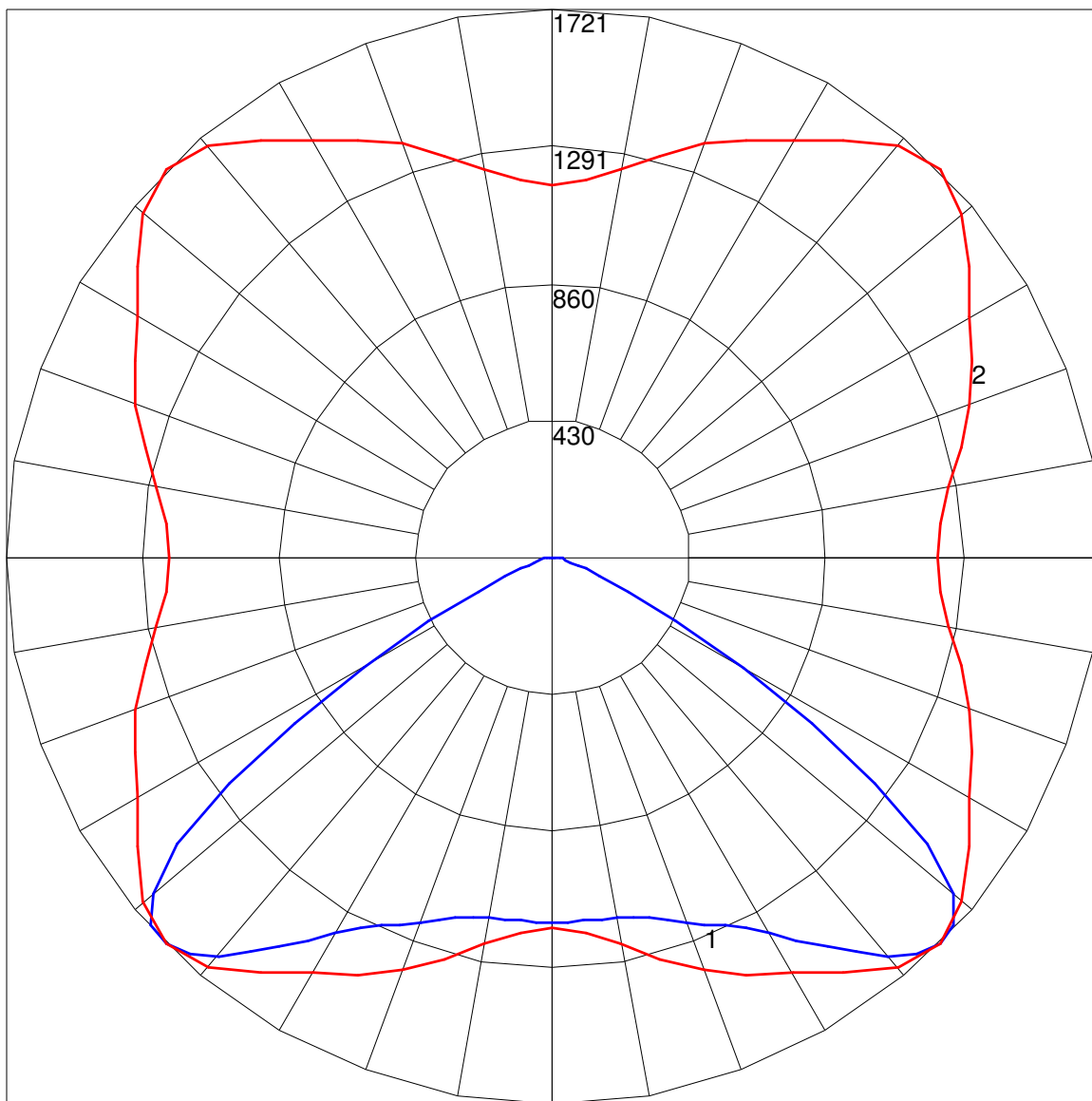
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

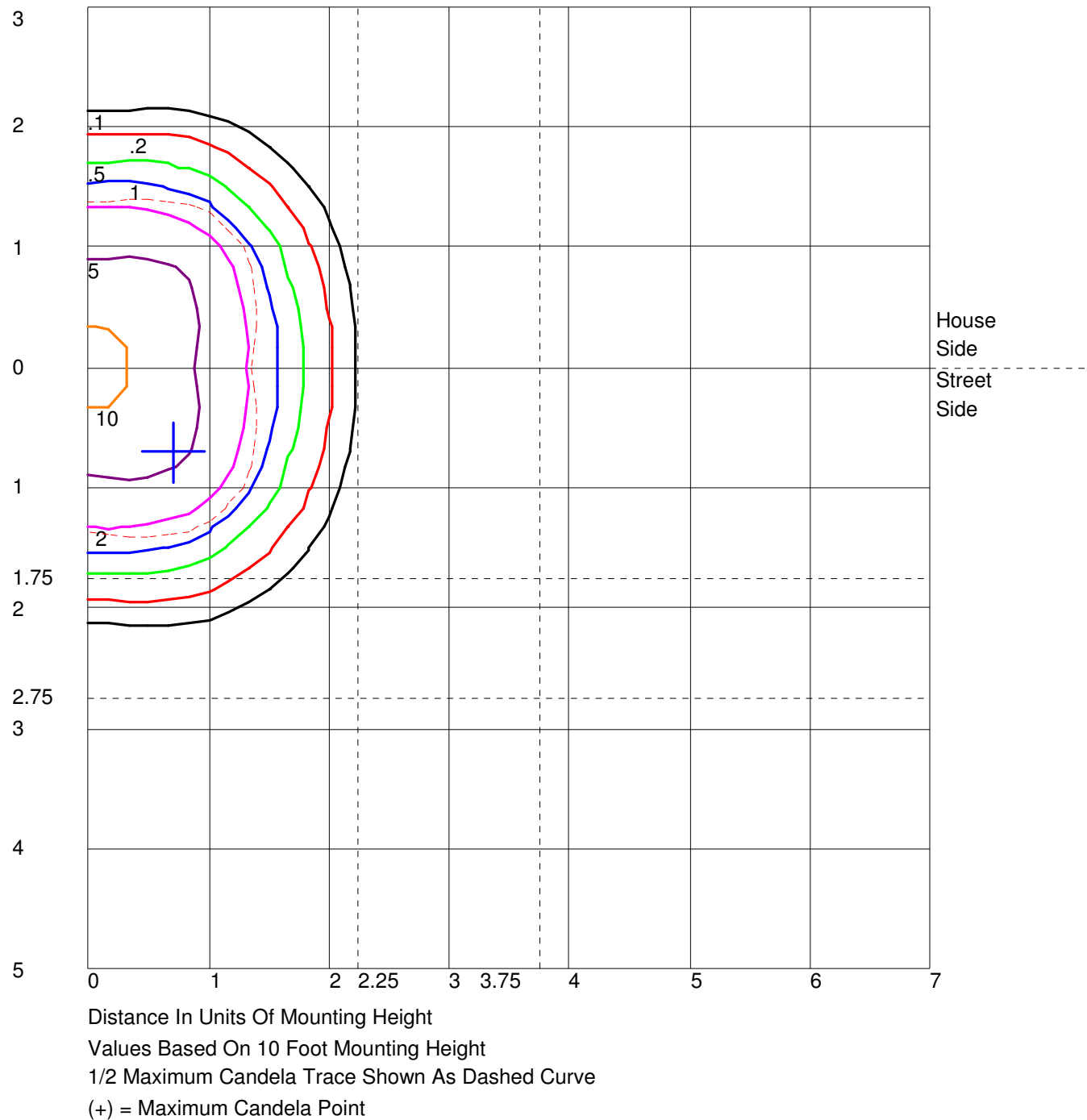
	Lumens	Percent Of Luminaire
Downward Street Side	2055.0	50.0
Downward House Side	2055.0	50.0
Downward Total	4110.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4110.0	100.0

POLAR GRAPH

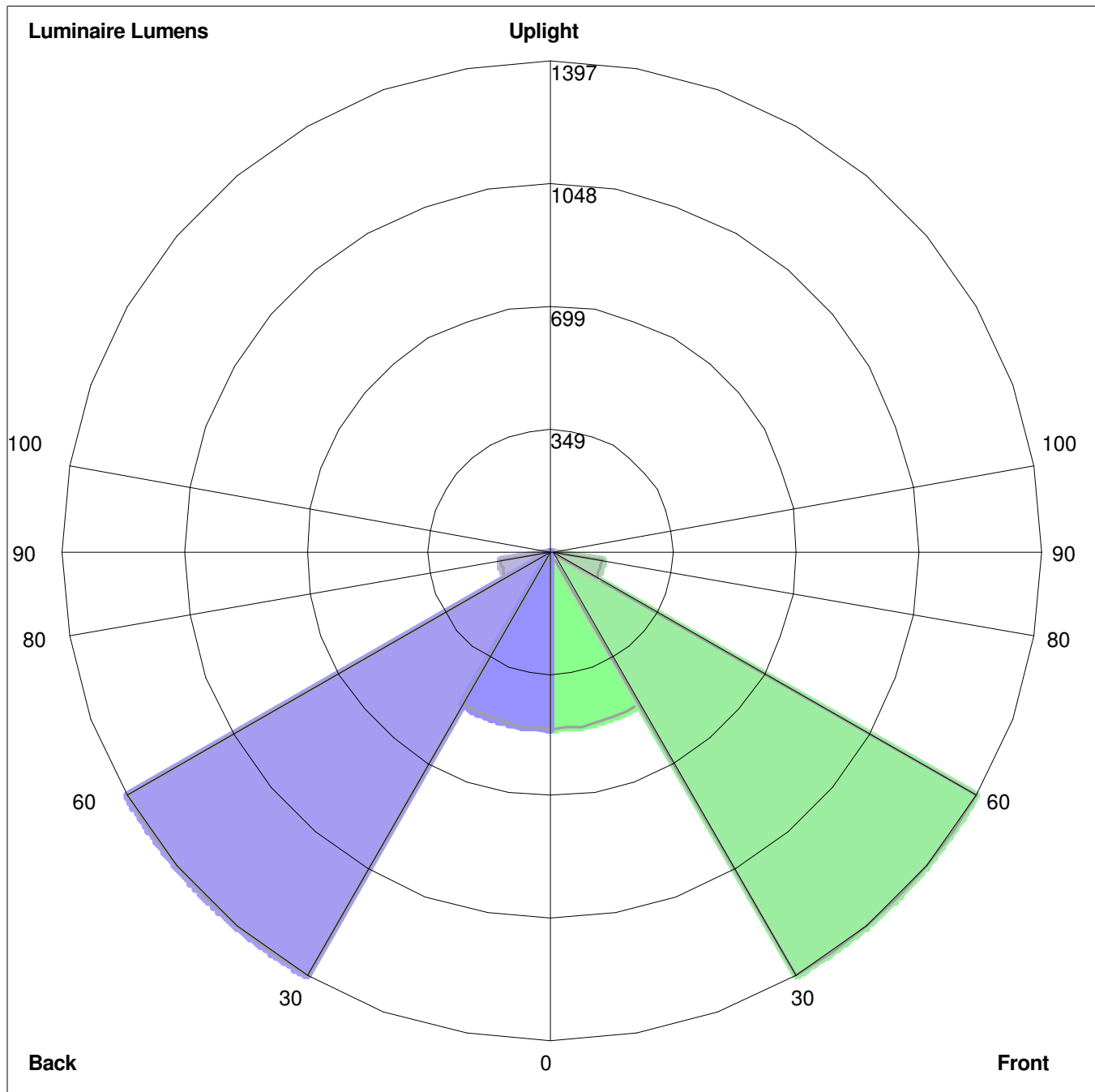


Maximum Candela = 1720.959 Located At Horizontal Angle = 45, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=505.8, Medium=1397.4, High=147.8, Very High=4.1
Back: Low=505.8, Medium=1397.4, High=147.8, Very High=4.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0