

IES ROAD REPORT
PHOTOMETRIC FILENAME : MXW11-70MH.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] Photopia 2.0.0.14 PHOTOMETRIC REPORT
 [MANUFAC] TMS LIGHTING
 [LUMINAIRE] MAXXIMUS WALL LUMINAIRE
 [MORE] 11" DIA. ALUMINUM REFLECTOR
 [MORE] WHITE FINISH ON INNER SURFACE
 [MORE] G11 CLEAR GLASS GLOBE AND CAST GUARD
 [LUMCAT] MXW0011-70MH-120-F##-G11
 [LAMP] 70W MH E17

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Cutoff Classification (deprecated)	Cutoff
Lumens Per Lamp	7700 (1 lamp)
Total Lamp Lumens	7700
Luminaire Lumens	5787
Total Luminaire Efficiency	75 %
Downward Total Efficiency	75 %
Upward Waste Light Ratio	0.00
Maximum Candela	1557.757
Maximum Candela Angle	22.5H 5V
Maximum Candela (<90 Degrees Vertical)	1557.757
Maximum Candela Angle (<90 Degrees Vertical)	22.5H 5V
Maximum Candela At 90 Degrees Vertical	36.559 (0.5% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	330.616 (4.3% Lamp Lumens)
Total Luminaire Watts	80
Ballast Factor	1.00

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

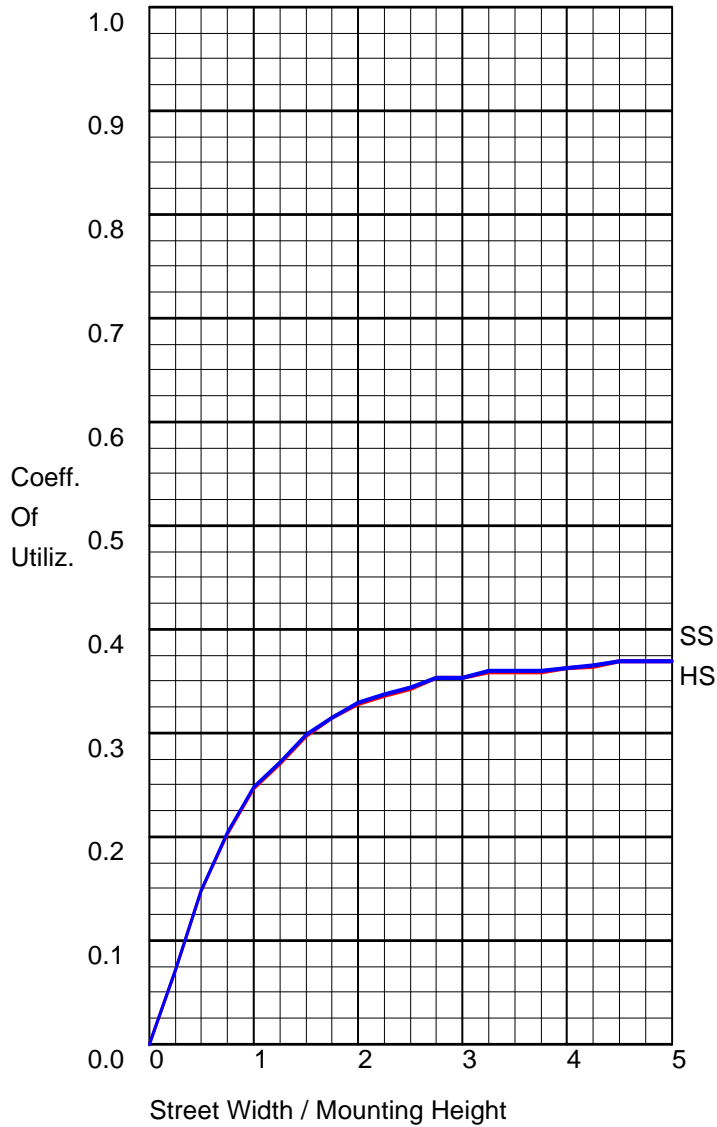
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	598.2	7.8	10.3
FM - Front-Medium (30-60)	1427.7	18.5	24.7
FH - Front-High (60-80)	778.7	10.1	13.5
FVH - Front-Very High (80-90)	84.1	1.1	1.5
BL - Back-Low (0-30)	599.7	7.8	10.4
BM - Back-Medium (30-60)	1432.8	18.6	24.8
BH - Back-High (60-80)	776.6	10.1	13.4
BVH - Back-Very High (80-90)	81.1	1.1	1.4
UL - Uplight-Low (90-100)	8.2	0.1	0.1
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	5787.1	75.2	100.0
BUG Rating	B2-U2-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	1350.608	1350.608	1350.608	1350.608	1350.608	1350.608	1350.608	1350.608	1350.608
5	1388.148	1557.757	1465.379	1483.938	1446.726	1488.660	1520.403	1378.611	1376.601
10	1484.687	1500.301	1534.943	1480.058	1391.373	1493.522	1404.090	1517.505	1527.509
15	1498.524	1483.985	1417.367	1468.137	1432.747	1445.650	1388.054	1446.351	1511.614
20	1428.493	1424.800	1403.762	1423.865	1378.190	1421.948	1423.444	1447.941	1463.509
25	1403.435	1444.435	1397.965	1386.512	1405.866	1413.533	1425.735	1449.484	1406.707
30	1409.933	1371.738	1333.777	1322.464	1313.207	1380.481	1379.312	1384.361	1365.895
35	1366.409	1313.067	1324.007	1342.333	1317.181	1337.377	1310.636	1335.788	1359.490
40	1292.918	1293.386	1303.530	1272.441	1292.217	1275.246	1301.333	1290.674	1308.579
45	1277.584	1273.377	1220.362	1254.536	1251.871	1293.713	1256.780	1281.792	1306.429
50	1231.535	1194.836	1212.274	1231.582	1217.838	1232.096	1210.077	1242.007	1216.014
55	1230.553	1196.239	1172.724	1184.552	1216.762	1180.858	1176.557	1152.574	1202.270
60	1104.422	1116.390	1085.208	1086.517	1104.001	1109.190	1090.350	1084.927	1083.151
65	1000.123	1011.530	971.558	979.506	994.326	1000.637	975.298	972.681	1023.498
70	842.996	802.697	821.398	805.456	826.727	800.266	818.592	813.310	803.446
75	564.506	559.831	537.718	551.042	555.110	562.122	561.795	551.837	566.236
80	330.616	330.476	328.372	319.303	318.508	316.544	312.384	293.730	304.997
85	137.445	122.438	134.313	126.319	138.240	131.554	128.001	120.335	134.032
90	28.097	32.585	32.632	32.398	26.881	27.068	22.066	36.559	32.632
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

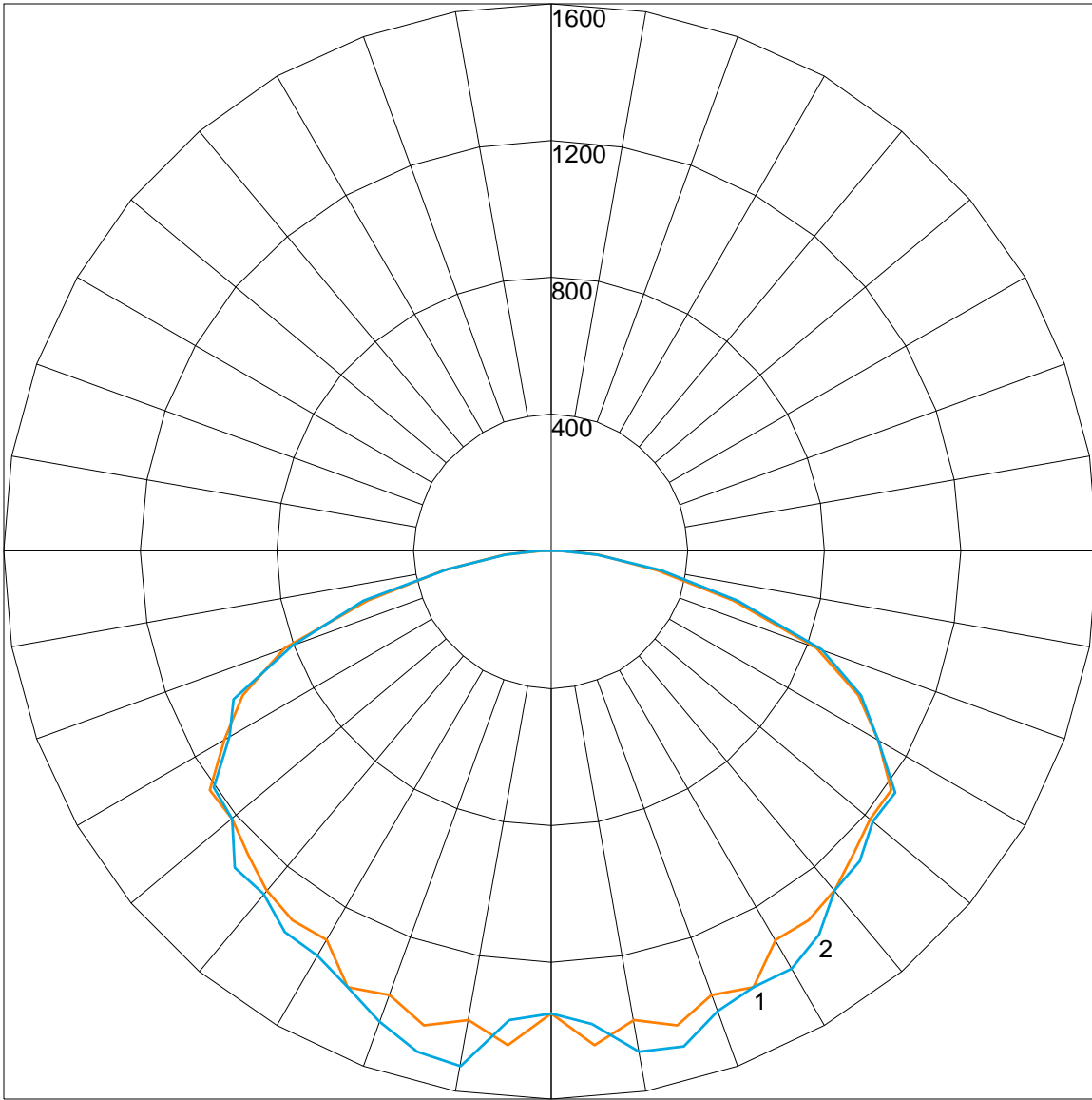
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

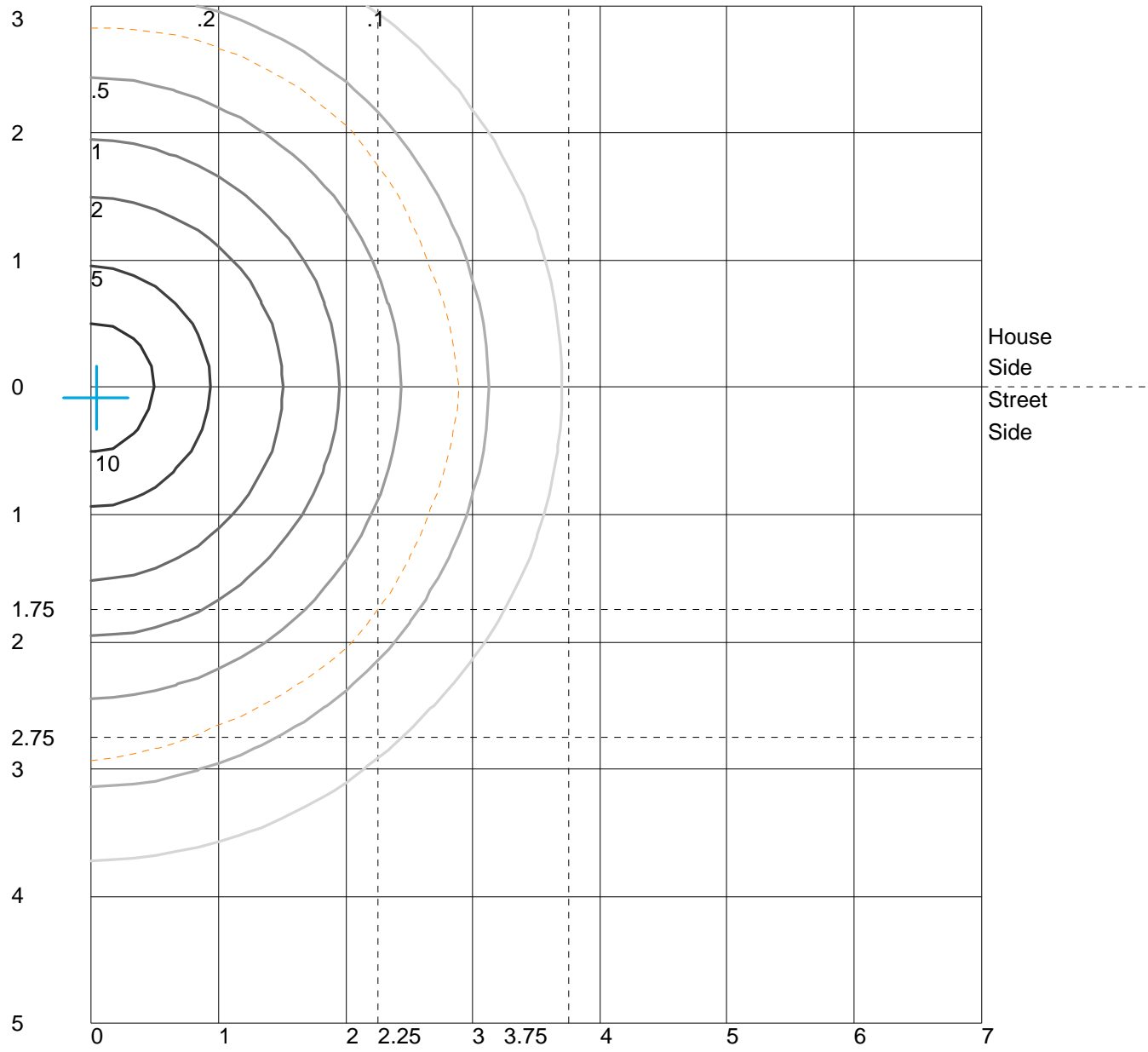
	Lumens	Percent Of Lamp
Downward Street Side	2888.7	37.5
Downward House Side	2890.2	37.5
Downward Total	5778.9	75.1
Upward Street Side	4.3	0.1
Upward House Side	4.0	0.1
Upward Total	8.3	0.1
Total Flux	5787.2	75.2

POLAR GRAPH



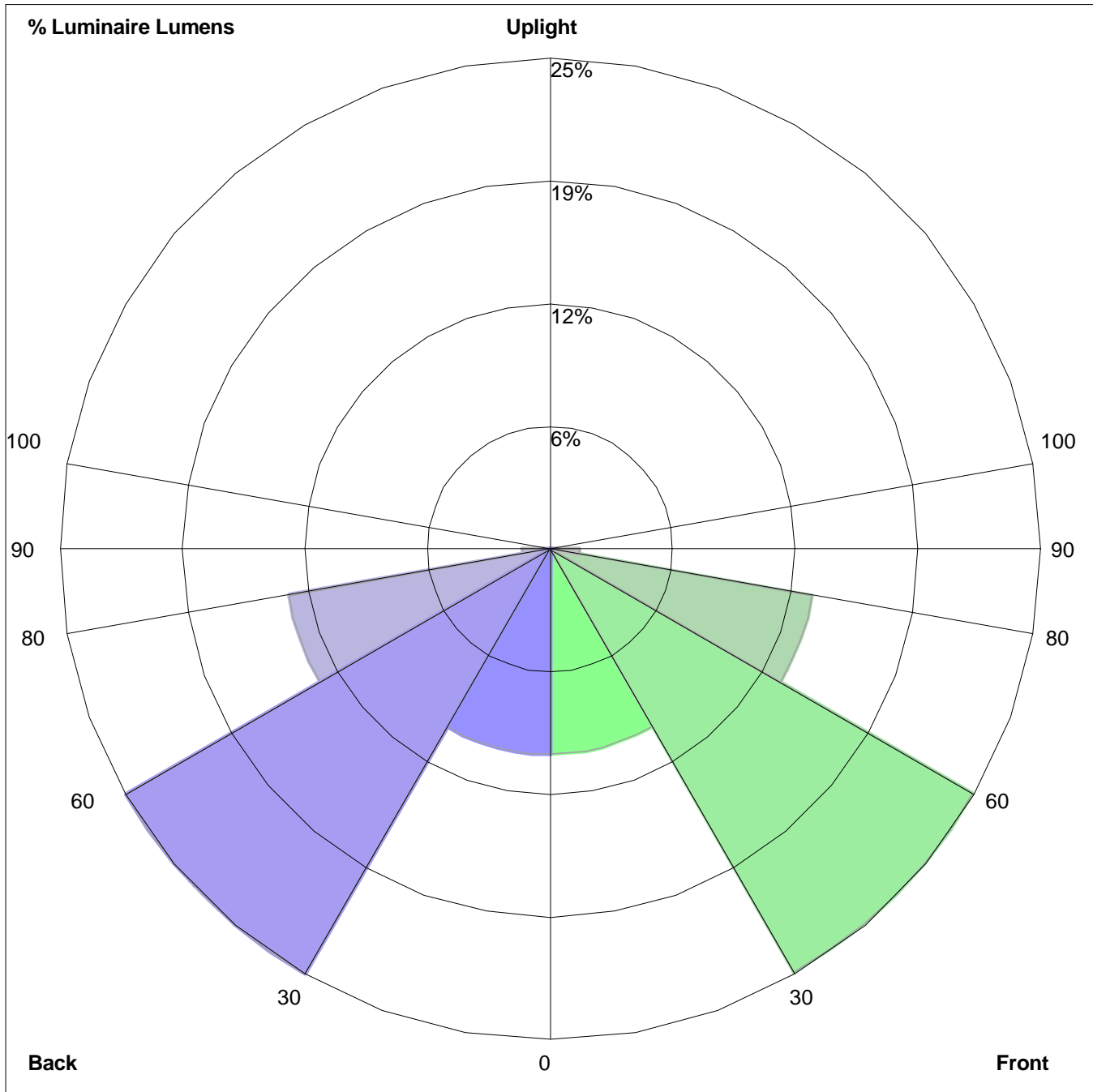
Maximum Candela = 1557.757 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Luminaire Lumens:
 Front: Low=10.3%, Medium=24.7%, High=13.5%, Very High=1.5%
 Back: Low=10.4%, Medium=24.8%, High=13.4%, Very High=1.4%
 Uplight: Low=0.1%, High=0.0%

BUG Rating : B2-U2-G1