



IES ROAD REPORT
PHOTOMETRIC FILENAME : WPTZ-L38-750.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 7,574
[TESTLAB] CSA Group
[ISSUEDATE] 10/7/2014 10:18:00 AM
[MANUFAC] WILLIAMS OUTDOOR
[OTHER]QSSI_WPC15QF1X37U5KC
[LUMCAT] WPTZ-L38-750
[LUMINAIRE] MEDIUM TRAPEZOID WALLPACK
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor, Area, Commercial, Site, Direct, Wet Location
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3830
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	41.57
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1408.17
Maximum Candela Angle	120H 5V
Maximum Candela (<90 Degrees Vertical)	1408.17
Maximum Candela Angle (<90 Degrees Vertical)	120H 5V
Maximum Candela At 90 Degrees Vertical	.48 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	29.81 (0.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	556.9	N.A.	14.5
FM - Front-Medium (30-60)	1116.3	N.A.	29.1
FH - Front-High (60-80)	261.9	N.A.	6.8
FVH - Front-Very High (80-90)	4.2	N.A.	0.1
BL - Back-Low (0-30)	553.7	N.A.	14.5
BM - Back-Medium (30-60)	1088.6	N.A.	28.4
BH - Back-High (60-80)	244.7	N.A.	6.4
BVH - Back-Very High (80-90)	3.7	N.A.	0.1
UL - Uplight-Low (90-100)	< 0.05	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3830.0	N.A.	100.0
BUG Rating	B2-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0.0	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84
2.5	1384.31	1390.43	1380.90	1402.68	1391.17	1394.15	1389.35	1395.63	1398.30	1404.55
5.0	1381.20	1392.68	1378.51	1401.29	1385.77	1388.95	1387.33	1390.80	1400.82	1406.17
7.5	1376.26	1384.42	1371.07	1398.46	1386.25	1389.80	1388.89	1390.77	1395.81	1400.66
10.0	1375.57	1380.21	1369.14	1398.39	1384.07	1386.08	1381.46	1388.42	1397.39	1400.27
12.5	1368.86	1376.64	1363.06	1388.97	1374.45	1374.17	1373.29	1377.89	1393.29	1393.39
15.0	1357.49	1364.64	1352.82	1378.54	1370.79	1367.90	1368.76	1372.28	1381.78	1381.53
17.5	1347.48	1354.83	1347.02	1370.58	1361.45	1357.31	1355.87	1363.81	1375.38	1375.21
20.0	1333.80	1342.65	1333.02	1353.65	1344.18	1338.80	1343.16	1346.58	1362.17	1362.08
22.5	1313.18	1320.58	1313.83	1335.79	1332.33	1326.10	1333.63	1332.32	1341.14	1341.20
25.0	1293.15	1300.25	1297.47	1317.99	1313.55	1308.53	1312.87	1312.17	1322.76	1326.38
27.5	1262.23	1276.52	1272.47	1289.82	1287.97	1282.75	1293.03	1288.50	1298.04	1303.09
30.0	1237.34	1244.67	1243.75	1259.74	1267.58	1262.80	1272.95	1269.77	1270.32	1275.27
32.5	1208.30	1217.11	1218.80	1233.46	1238.98	1236.46	1243.43	1243.35	1248.77	1250.15
35.0	1175.11	1187.18	1185.92	1195.50	1204.22	1201.83	1213.58	1208.42	1216.17	1215.26
37.5	1146.19	1148.13	1153.12	1161.35	1172.22	1172.88	1180.33	1175.15	1178.23	1175.98
40.0	1108.44	1111.70	1121.97	1128.14	1131.64	1135.15	1137.08	1134.84	1142.64	1142.36
42.5	1062.62	1072.30	1080.74	1085.01	1092.31	1093.29	1098.17	1092.08	1100.75	1103.07
45.0	1018.79	1021.45	1034.08	1044.77	1054.62	1053.63	1058.85	1053.25	1056.20	1059.70
47.5	967.40	974.31	986.84	999.33	1006.68	1006.93	1009.01	1007.23	1011.60	1014.69
50.0	910.55	919.25	928.94	944.62	954.47	954.84	958.55	953.23	955.85	956.16
52.5	847.46	853.70	869.40	888.90	901.99	902.10	906.26	901.24	894.65	895.98
55.0	759.25	770.97	792.63	828.25	840.21	841.82	846.83	838.78	834.99	831.03
57.5	666.19	682.21	701.10	742.50	769.82	774.22	782.58	770.47	752.14	742.52
60.0	579.15	590.68	612.86	646.59	684.20	706.84	704.76	676.91	650.78	620.92
62.5	472.29	484.41	504.43	547.31	580.43	616.64	592.09	525.28	491.43	475.33
65.0	392.24	408.73	418.15	439.33	473.65	484.77	444.83	412.86	412.01	404.88
67.5	295.75	314.44	328.33	346.12	361.06	348.59	340.56	334.35	332.30	325.60
70.0	201.23	218.96	234.16	246.23	246.00	223.67	251.34	250.33	253.56	249.42
72.5	122.29	134.63	146.07	157.71	140.10	141.17	159.30	169.48	171.57	167.35
75.0	66.37	73.02	80.15	81.17	73.08	78.86	83.25	96.31	97.49	96.76
77.5	40.03	42.29	44.44	38.81	39.17	40.95	41.66	42.09	43.92	42.05
80.0	24.15	25.29	24.72	22.82	24.12	22.99	21.08	19.11	19.41	19.46
82.5	13.21	13.86	12.09	12.35	11.96	11.06	10.47	9.38	8.95	9.30
85.0	5.68	5.87	5.07	4.53	4.30	3.41	3.10	2.58	2.86	2.42
87.5	0.81	1.05	0.55	0.40	0.17	0.15	0.04	0.06	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84
2.5	1397.04	1394.91	1407.08	1396.53	1388.72	1398.27	1394.03	1385.40	1390.95	1392.61
5.0	1395.18	1391.91	1408.17	1398.71	1393.68	1394.25	1390.33	1383.14	1387.07	1388.96
7.5	1389.55	1388.92	1401.86	1391.95	1390.20	1393.39	1384.08	1381.20	1385.39	1385.65
10.0	1387.17	1388.81	1400.32	1390.85	1382.13	1382.28	1380.47	1369.50	1383.93	1381.09
12.5	1377.82	1379.30	1391.84	1385.06	1378.21	1369.66	1369.39	1364.17	1372.57	1365.60
15.0	1366.61	1372.35	1377.23	1371.76	1366.02	1361.86	1357.48	1357.01	1362.28	1352.64
17.5	1361.14	1366.29	1368.23	1362.47	1351.15	1345.02	1347.71	1339.54	1350.24	1340.62
20.0	1346.17	1348.35	1353.36	1346.90	1339.53	1327.56	1328.46	1324.84	1327.92	1319.05
22.5	1326.81	1331.90	1329.01	1323.86	1318.10	1311.06	1306.86	1307.32	1309.56	1301.42
25.0	1308.63	1314.70	1311.81	1306.14	1296.69	1282.90	1287.87	1281.86	1288.29	1281.05
27.5	1281.98	1289.64	1287.58	1283.57	1277.09	1260.63	1260.71	1262.02	1256.66	1253.03
30.0	1256.09	1267.70	1261.35	1255.78	1247.77	1237.98	1232.88	1236.58	1228.22	1224.74
32.5	1231.32	1241.81	1237.84	1233.05	1220.88	1208.44	1205.16	1198.26	1197.45	1195.07
35.0	1196.59	1206.48	1203.90	1200.39	1193.88	1176.02	1169.18	1164.67	1159.08	1158.04
37.5	1161.25	1171.72	1167.26	1160.73	1156.52	1143.51	1130.30	1127.13	1123.42	1122.95
40.0	1127.16	1134.57	1134.70	1125.75	1116.76	1099.88	1092.12	1083.84	1086.83	1083.59
42.5	1085.54	1098.14	1096.60	1085.43	1078.68	1057.18	1045.92	1043.31	1041.81	1035.65
45.0	1046.83	1060.00	1053.01	1042.60	1032.82	1002.03	999.82	994.19	999.20	991.25
47.5	998.72	1007.59	1006.86	998.63	984.63	942.71	952.03	938.92	948.62	940.84
50.0	940.55	949.99	948.46	941.04	933.73	883.39	892.15	874.23	885.95	882.87
52.5	881.01	890.62	888.72	879.72	871.89	824.08	811.02	786.30	801.11	800.09
55.0	819.42	826.00	829.42	820.64	809.94	764.76	724.15	699.07	716.04	714.35
57.5	729.61	746.41	762.64	753.11	735.95	676.49	647.32	619.13	635.19	637.33
60.0	617.90	646.10	676.81	677.59	633.14	594.35	548.87	511.42	538.59	541.18
62.5	473.30	484.76	565.48	581.52	532.17	488.33	463.71	454.13	463.42	460.88
65.0	406.69	408.52	426.59	452.92	430.99	407.59	387.68	379.69	393.20	385.23
67.5	333.18	330.59	332.70	306.05	323.68	318.75	300.62	289.14	307.55	297.43
70.0	253.39	246.16	240.84	204.05	210.63	224.66	209.48	196.87	213.63	202.35
72.5	175.45	164.95	147.67	128.47	122.09	135.03	128.40	118.38	131.43	123.65
75.0	99.53	94.24	78.62	72.27	66.27	65.05	68.70	63.52	70.80	68.67
77.5	44.47	43.68	38.73	37.68	36.07	34.36	37.69	35.50	39.73	39.76

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CANDELA TABULATION - (Cont.)

80.0	19.64	18.60	17.86	19.81	21.39	20.39	19.21	21.15	23.93	25.05
82.5	9.26	8.92	8.96	9.12	9.88	10.62	10.35	11.70	13.93	14.70
85.0	1.87	2.38	2.44	2.78	3.49	3.37	3.79	4.11	6.63	7.01
87.5	0.00	0.00	0.00	0.00	0.09	0.10	0.31	0.58	1.16	1.53
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84
2.5	1379.69	1391.80	1382.37	1385.99	1380.87	1387.54	1389.63	1399.77	1390.99	1387.36
5.0	1379.39	1391.51	1384.97	1386.53	1380.76	1384.72	1381.86	1394.36	1388.31	1384.81
7.5	1373.72	1383.05	1377.63	1378.21	1378.37	1376.29	1374.19	1387.02	1380.22	1374.67
10.0	1372.10	1376.92	1368.06	1368.77	1365.90	1373.13	1371.27	1383.76	1375.67	1369.36
12.5	1364.61	1365.18	1359.80	1361.90	1357.73	1361.04	1357.52	1369.73	1366.09	1358.98
15.0	1349.15	1347.49	1341.63	1343.38	1343.94	1342.46	1340.12	1353.30	1347.26	1339.20
17.5	1338.34	1333.62	1323.00	1324.92	1322.29	1328.22	1327.13	1341.30	1333.25	1325.55
20.0	1321.20	1318.83	1308.62	1310.34	1305.49	1306.30	1308.14	1315.77	1313.41	1309.29
22.5	1298.54	1295.23	1283.83	1284.98	1282.91	1279.89	1284.45	1289.26	1286.66	1284.58
25.0	1280.94	1274.64	1259.97	1259.37	1254.36	1255.59	1263.00	1263.21	1266.08	1263.76

IES ROAD REPORT
PHOTOMETRIC FILENAME : WPTZ-L38-750.IES

CANDELA TABULATION - (Cont.)

27.5	1252.43	1247.53	1237.55	1233.56	1228.66	1226.68	1229.26	1229.30	1237.05	1235.20
30.0	1220.95	1215.67	1205.04	1199.33	1198.50	1193.78	1197.04	1199.08	1205.06	1199.57
32.5	1193.10	1187.79	1175.15	1169.43	1163.99	1166.06	1168.81	1169.91	1178.28	1173.97
35.0	1157.88	1153.42	1145.54	1138.13	1134.15	1132.95	1132.31	1133.62	1144.20	1142.53
37.5	1118.60	1113.45	1107.57	1099.07	1098.62	1096.36	1094.62	1096.54	1104.48	1103.63
40.0	1081.79	1076.58	1068.69	1058.72	1055.99	1059.98	1057.42	1058.50	1066.86	1070.50
42.5	1037.25	1032.21	1027.30	1016.54	1015.71	1014.21	1007.14	1010.78	1022.42	1026.76
45.0	988.05	983.05	978.98	968.91	968.18	967.74	965.03	965.45	975.62	979.19
47.5	938.38	935.04	930.31	921.00	918.66	921.44	919.75	916.28	929.20	935.81
50.0	881.72	877.50	877.62	869.44	864.94	867.68	863.52	857.87	869.54	879.90
52.5	813.52	819.45	815.40	806.19	800.32	805.18	806.28	796.09	803.89	813.82
55.0	729.17	750.24	749.38	741.39	735.27	741.43	742.94	728.58	737.15	748.30
57.5	641.38	658.16	679.74	676.70	674.32	673.61	673.05	660.40	666.83	679.53
60.0	556.46	571.78	590.94	604.99	603.88	603.28	600.69	588.65	590.90	605.79
62.5	460.10	475.70	500.53	519.80	521.52	527.23	504.50	514.97	506.16	518.80
65.0	380.32	372.87	401.53	419.39	431.95	430.43	422.21	420.13	420.07	431.84
67.5	285.07	277.25	271.55	294.84	309.96	310.64	301.42	304.92	301.76	311.05
70.0	191.88	181.58	176.24	179.20	198.80	199.84	191.11	195.09	188.05	204.31
72.5	113.74	107.68	106.84	102.88	108.67	110.85	101.06	105.67	108.12	119.50
75.0	66.93	63.47	62.77	60.29	58.01	58.70	54.12	54.43	57.93	65.61
77.5	40.56	40.22	39.66	36.91	32.42	34.48	33.96	34.13	35.56	38.68
80.0	25.44	25.83	24.44	22.14	21.13	20.61	22.72	22.12	23.35	24.70
82.5	14.76	13.09	12.94	13.21	12.34	10.67	11.62	10.89	12.21	12.63
85.0	6.50	6.19	5.90	5.06	4.16	3.42	4.24	3.37	4.40	4.76
87.5	1.66	1.47	1.24	0.92	2.04	0.84	0.79	0.94	1.07	1.13
90.0	0.00	0.00	0.09	0.00	0.48	0.02	0.00	0.04	0.02	0.05
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : WPTZ-L38-750.IES

CANDELA TABULATION - (Cont.)

167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

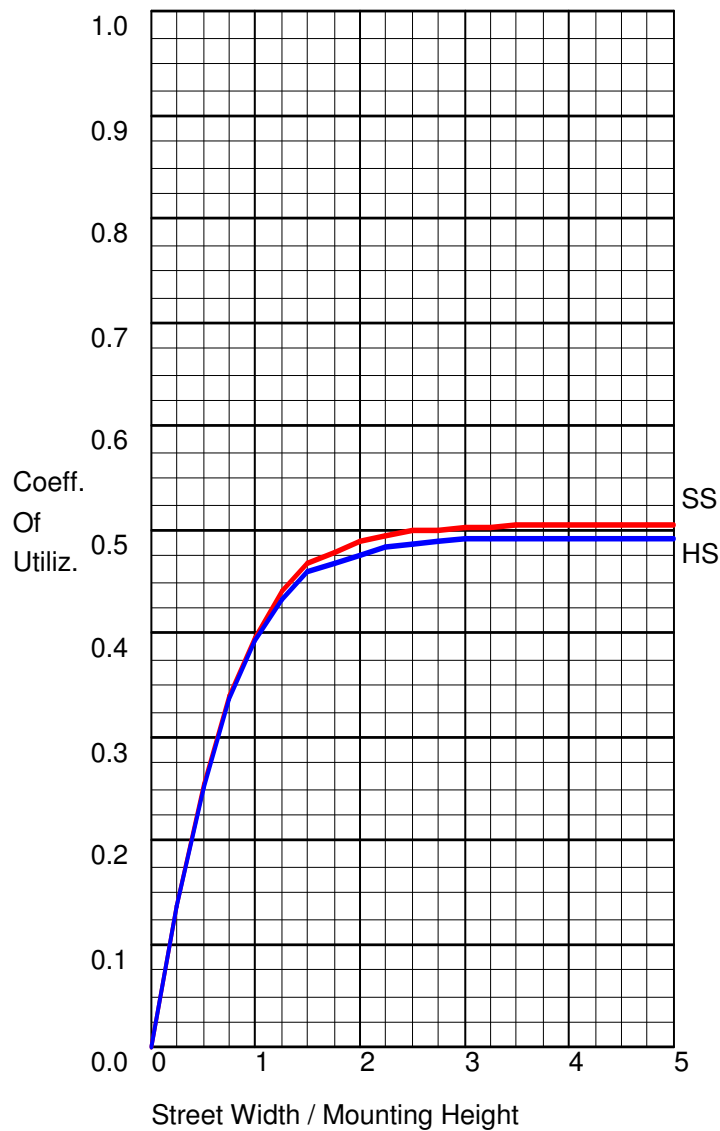
	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84
2.5	1399.84	1392.28	1388.46	1393.96	1393.13	1383.50	1384.31
5.0	1394.09	1387.16	1381.86	1393.23	1395.86	1381.34	1381.20
7.5	1384.31	1380.28	1382.32	1389.74	1389.73	1383.27	1376.26
10.0	1377.70	1376.73	1375.01	1378.42	1386.49	1372.83	1375.57
12.5	1364.02	1362.64	1362.20	1372.67	1377.80	1364.83	1368.86
15.0	1348.81	1346.17	1353.29	1361.25	1361.98	1357.06	1357.49
17.5	1337.88	1333.16	1337.75	1340.90	1349.33	1341.97	1347.48
20.0	1319.50	1310.65	1316.78	1328.24	1334.46	1329.69	1333.80
22.5	1299.48	1289.81	1300.13	1310.40	1313.22	1314.70	1313.18
25.0	1280.73	1269.98	1276.79	1286.80	1296.13	1289.09	1293.15
27.5	1251.40	1240.52	1249.14	1267.21	1271.52	1265.70	1262.23
30.0	1222.43	1213.08	1227.06	1239.99	1241.82	1240.66	1237.34
32.5	1197.40	1187.26	1197.20	1207.46	1218.46	1208.13	1208.30
35.0	1162.36	1153.79	1163.89	1176.46	1188.15	1180.19	1175.11
37.5	1122.16	1119.35	1130.26	1137.57	1151.41	1149.79	1146.19
40.0	1083.42	1080.89	1086.36	1094.81	1116.80	1109.10	1108.44
42.5	1034.61	1032.96	1040.98	1057.96	1073.29	1068.32	1062.62
45.0	987.89	990.50	998.03	1011.80	1025.99	1025.74	1018.79
47.5	943.88	946.25	949.27	960.56	981.68	971.63	967.40
50.0	887.92	892.64	900.35	911.76	925.96	922.26	910.55
52.5	826.19	835.07	844.00	853.40	865.17	865.77	847.46
55.0	762.60	773.53	780.12	790.72	802.15	798.20	759.25
57.5	692.35	705.36	713.88	728.53	722.85	706.16	666.19
60.0	621.72	635.27	638.08	645.22	625.16	618.19	579.15
62.5	545.51	558.01	552.90	540.43	531.59	521.58	472.29
65.0	444.38	456.00	447.03	438.58	425.35	420.79	392.24
67.5	329.21	341.76	317.22	317.04	316.04	325.26	295.75
70.0	211.58	214.64	206.05	208.43	218.58	225.79	201.23
72.5	121.24	116.25	123.91	126.26	137.48	143.73	122.29
75.0	67.88	67.00	72.71	73.74	77.80	80.56	66.37
77.5	37.08	39.06	44.72	46.37	46.20	47.66	40.03
80.0	22.71	23.87	27.23	29.81	29.74	29.65	24.15
82.5	13.21	14.84	15.84	15.38	17.52	16.76	13.21
85.0	5.18	5.96	6.75	7.70	7.99	8.70	5.68
87.5	1.14	1.19	1.43	2.06	1.99	2.37	0.81
90.0	0.00	0.00	0.15	0.14	0.17	0.16	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : WPTZ-L38-750.IES

CANDELA TABULATION - (Cont.)

115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

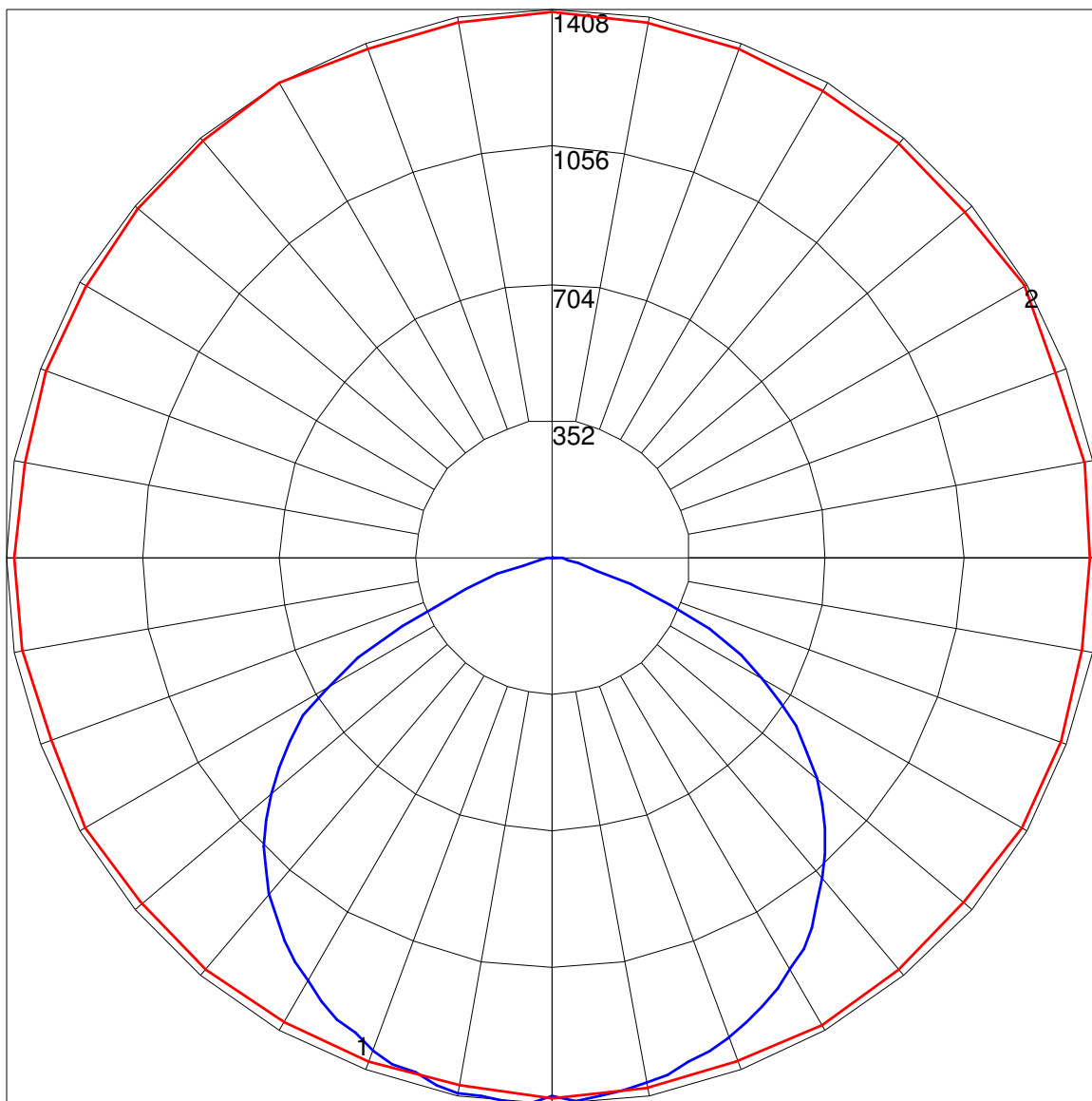
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

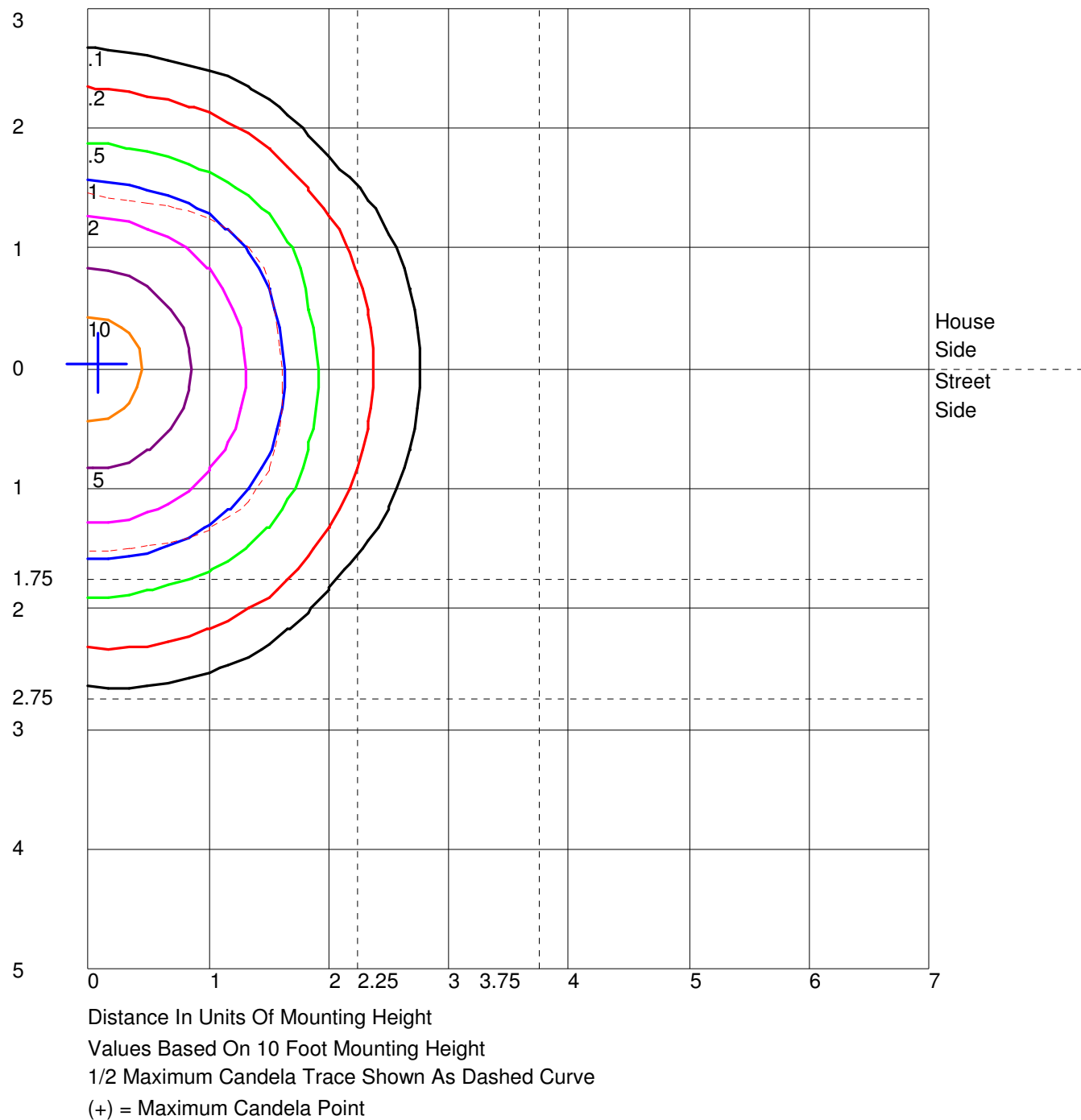
	Lumens	Percent Of Luminaire
Downward Street Side	1939.3	50.6
Downward House Side	1890.8	49.4
Downward Total	3830.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3830.1	100.0

POLAR GRAPH

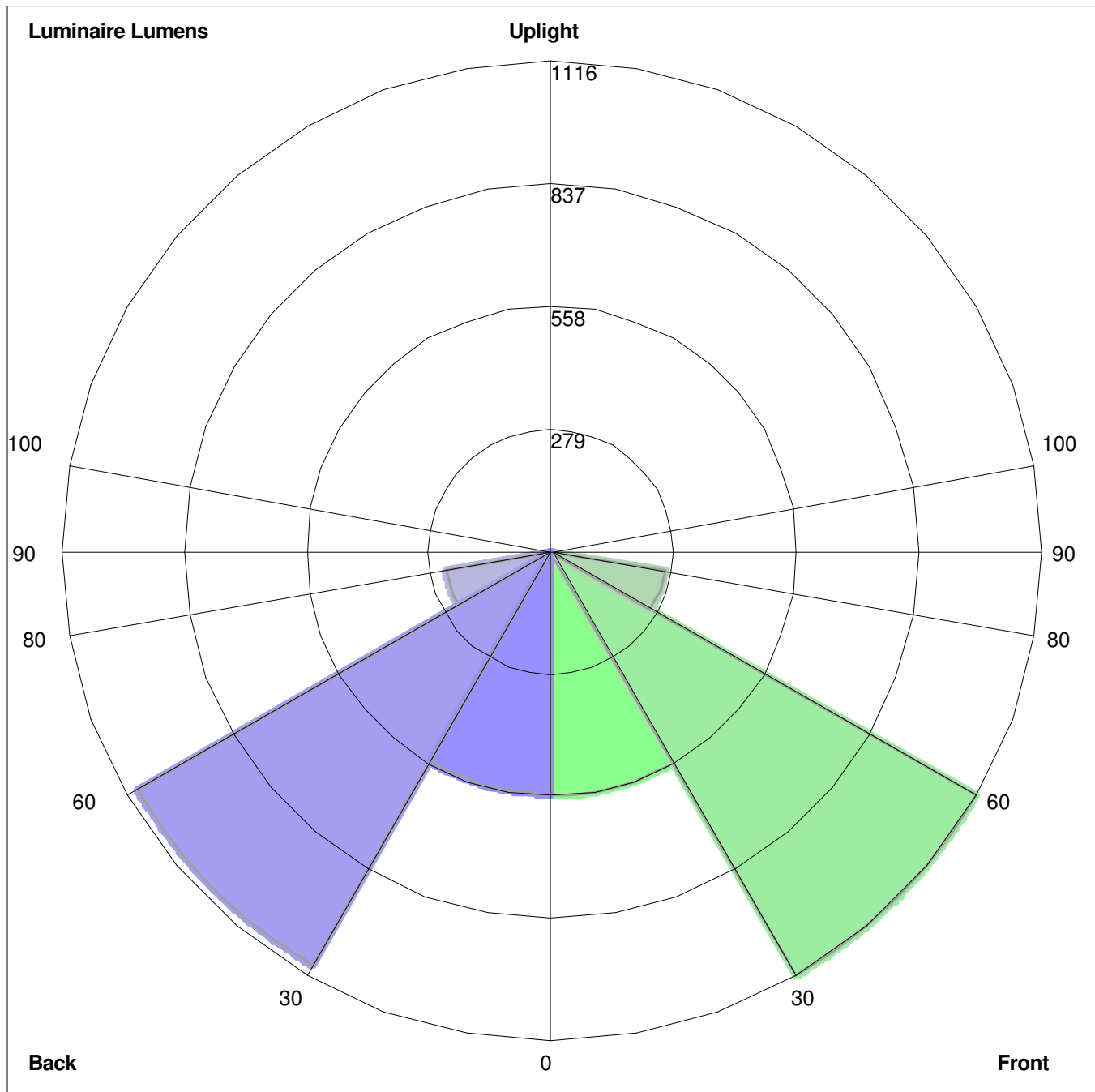


Maximum Candela = 1408.17 Located At Horizontal Angle = 120, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (120 - 300) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=556.9, Medium=1116.3, High=261.9, Very High=4.2
Back: Low=553.7, Medium=1088.6, High=244.7, Very High=3.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U1-G0