



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-WW-LED-28-350-CW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3058
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/19/12
[TEST DATE]03/19/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-WW-LED-28-350-CW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3161
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1396
Maximum Candela Angle	64H 37.5V
Maximum Candela (<90 Degrees Vertical)	1396
Maximum Candela Angle (<90 Degrees Vertical)	64H 37.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	473.6	N.A.	15.0
FM - Front-Medium (30-60)	1060.9	N.A.	33.6
FH - Front-High (60-80)	74.3	N.A.	2.3
FVH - Front-Very High (80-90)	2.6	N.A.	0.1
BL - Back-Low (0-30)	468.4	N.A.	14.8
BM - Back-Medium (30-60)	1006.3	N.A.	31.8
BH - Back-High (60-80)	72.2	N.A.	2.3
BVH - Back-Very High (80-90)	2.3	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	3160.6	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>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>64</u>	<u>65</u>	<u>75</u>
0.0	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095
2.5	1094	1092	1090	1091	1091	1092	1098	1098	1098	1099
5.0	1082	1080	1079	1073	1079	1081	1089	1091	1091	1093
7.5	1073	1071	1070	1060	1070	1072	1078	1081	1081	1086
10.0	1066	1063	1062	1058	1065	1067	1072	1075	1075	1078
12.5	1061	1060	1059	1063	1064	1063	1069	1073	1072	1075
15.0	1061	1061	1061	1064	1064	1065	1072	1075	1075	1075
17.5	1070	1069	1069	1071	1071	1073	1079	1081	1080	1079
20.0	1091	1088	1089	1089	1087	1101	1090	1093	1092	1089
22.5	1134	1133	1132	1127	1121	1120	1117	1120	1118	1111
25.0	1183	1180	1183	1182	1171	1163	1162	1162	1162	1150
27.5	1209	1208	1211	1220	1215	1208	1204	1202	1200	1188
30.0	1206	1204	1215	1236	1242	1239	1236	1238	1232	1218
32.5	1212	1211	1230	1264	1273	1277	1278	1286	1283	1260
35.0	1245	1245	1273	1325	1325	1329	1335	1349	1351	1314
37.5	1274	1274	1309	1371	1359	1361	1373	1396	1396	1337
40.0	1208	1207	1241	1307	1298	1306	1317	1340	1339	1266
42.5	1053	1048	1067	1140	1138	1147	1157	1172	1169	1080
45.0	908	904	910	978	982	982	986	1001	997	903
47.5	814	811	815	877	885	874	870	891	890	799
50.0	739	737	750	810	809	790	794	815	816	732
52.5	674	671	690	747	729	709	722	743	745	680
55.0	550	549	603	681	643	632	636	672	675	633
57.5	464	463	492	547	560	557	553	597	599	586
60.0	367	371	389	400	402	431	431	469	469	487
62.5	197	197	207	218	203	227	228	251	251	255
65.0	62	62	62	68	69	71	73	74	73	67
67.5	36	34	33	33	36	41	38	37	37	38
70.0	23	21	19	18	21	29	23	21	21	23
72.5	15	14	13	13	14	22	16	14	14	16
75.0	10	9	10	9	11	15	13	11	11	11
77.5	8	8	8	8	9	10	11	9	9	9
80.0	7	6	7	7	7	8	8	8	8	7
82.5	5	5	5	6	5	6	6	7	7	6
85.0	5	5	5	5	5	5	5	5	5	5
87.5	5	4	5	4	4	5	5	5	4	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85</u>	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>
0.0	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095
2.5	1101	1099	1101	1102	1098	1097	1091	1094	1093	1093
5.0	1091	1090	1090	1092	1087	1087	1079	1082	1080	1080
7.5	1083	1080	1081	1083	1076	1075	1068	1069	1068	1069
10.0	1076	1074	1074	1076	1068	1068	1061	1063	1061	1060
12.5	1075	1072	1072	1074	1065	1065	1058	1061	1059	1056
15.0	1077	1073	1071	1074	1066	1066	1058	1061	1059	1056
17.5	1080	1076	1076	1078	1071	1072	1065	1066	1063	1063
20.0	1089	1086	1084	1087	1081	1083	1080	1076	1074	1074
22.5	1110	1108	1105	1107	1104	1107	1099	1102	1097	1096
25.0	1144	1142	1139	1145	1146	1148	1144	1143	1140	1134
27.5	1181	1178	1176	1183	1190	1195	1189	1194	1188	1180

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CANDELA TABULATION - (Cont.)

30.0	1211	1208	1207	1216	1227	1237	1236	1238	1232	1216
32.5	1249	1248	1246	1260	1276	1286	1280	1289	1278	1246
35.0	1287	1286	1299	1313	1346	1347	1334	1341	1308	1250
37.5	1305	1305	1307	1340	1394	1386	1369	1352	1311	1253
40.0	1233	1235	1238	1271	1344	1337	1318	1266	1251	1129
42.5	1061	1065	1060	1076	1155	1160	1133	1099	1010	911
45.0	895	896	890	892	967	969	939	873	816	746
47.5	796	796	792	793	861	858	824	740	724	661
50.0	729	729	725	732	795	785	690	675	665	608
52.5	665	667	662	675	730	703	592	605	603	559
55.0	603	606	600	625	662	585	519	527	550	515
57.5	540	543	540	578	589	471	461	462	497	478
60.0	456	453	456	489	475	372	373	376	412	409
62.5	252	246	257	263	253	197	196	201	229	217
65.0	64	66	66	69	73	63	61	64	64	56
67.5	39	43	41	39	36	34	37	35	33	31
70.0	24	27	25	23	20	21	26	21	19	19
72.5	17	18	17	16	14	15	20	14	12	12
75.0	12	13	11	11	10	11	14	9	8	8
77.5	8	10	9	9	9	10	9	8	7	7
80.0	7	8	7	7	7	7	7	6	6	5
82.5	6	6	6	6	6	6	5	5	5	5
85.0	5	5	5	5	5	5	5	4	4	4
87.5	4	4	4	4	4	4	4	4	4	4
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

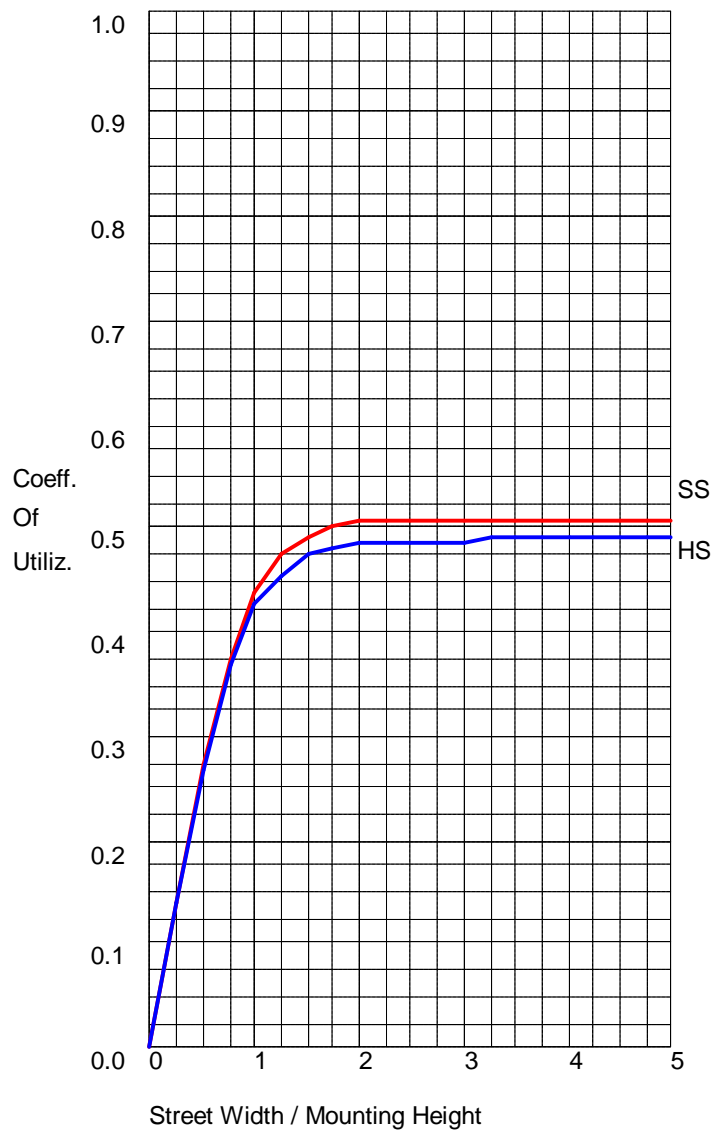
	<u>175</u>	<u>180</u>
0.0	1095	1095
2.5	1087	1086
5.0	1074	1073
7.5	1062	1061
10.0	1055	1053
12.5	1051	1050
15.0	1051	1050
17.5	1056	1054
20.0	1064	1063
22.5	1087	1085
25.0	1123	1121
27.5	1169	1164
30.0	1199	1194
32.5	1206	1197
35.0	1214	1206
37.5	1198	1187
40.0	1059	1047
42.5	888	886
45.0	737	735
47.5	656	652
50.0	599	595
52.5	547	545
55.0	499	497
57.5	454	450
60.0	387	381
62.5	210	206
65.0	54	55

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CANDELA TABULATION - (Cont.)

67.5	31	32
70.0	19	20
72.5	12	13
75.0	8	9
77.5	6	7
80.0	6	5
82.5	5	5
85.0	4	5
87.5	4	4
90.0	0	0

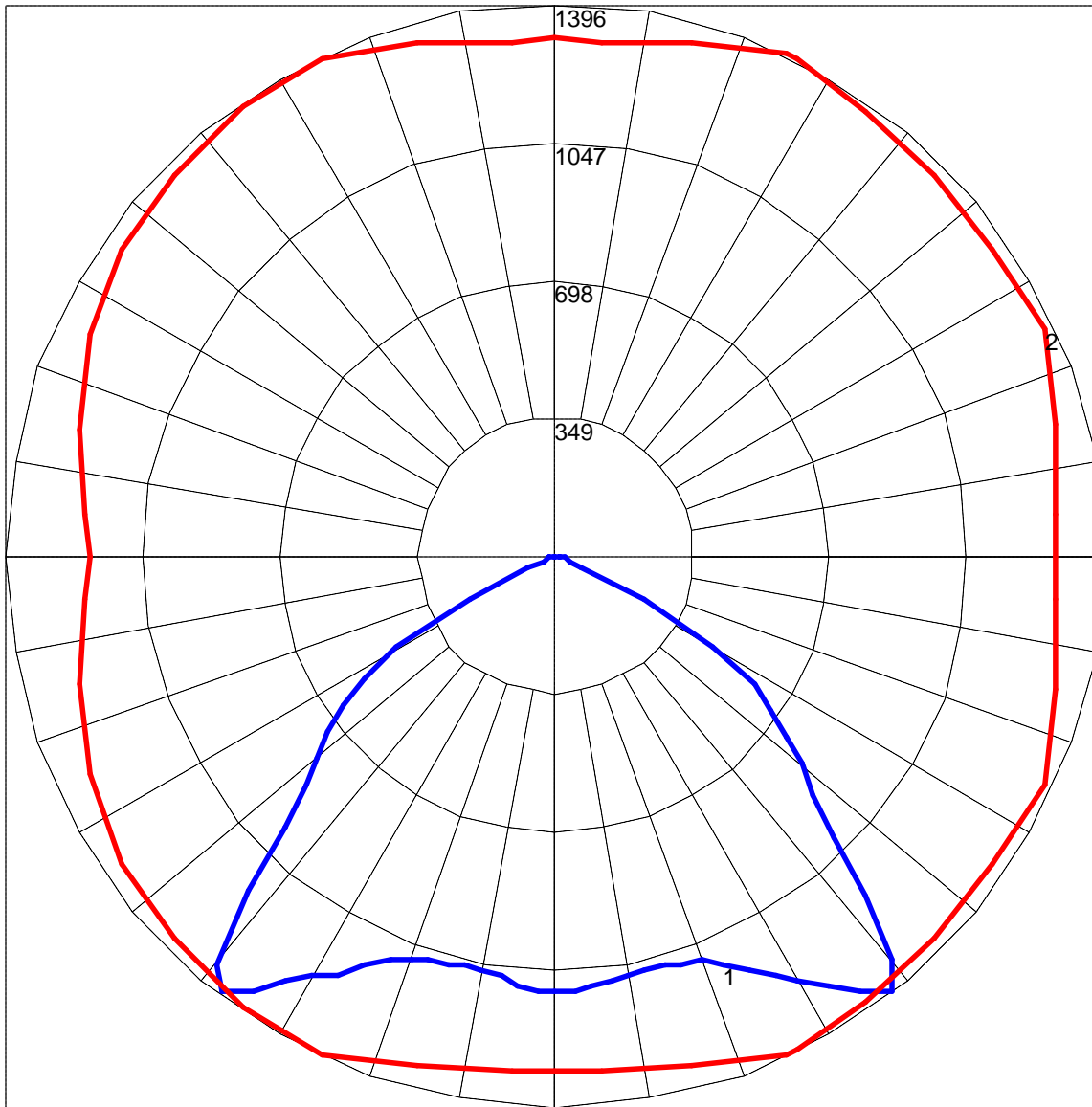
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

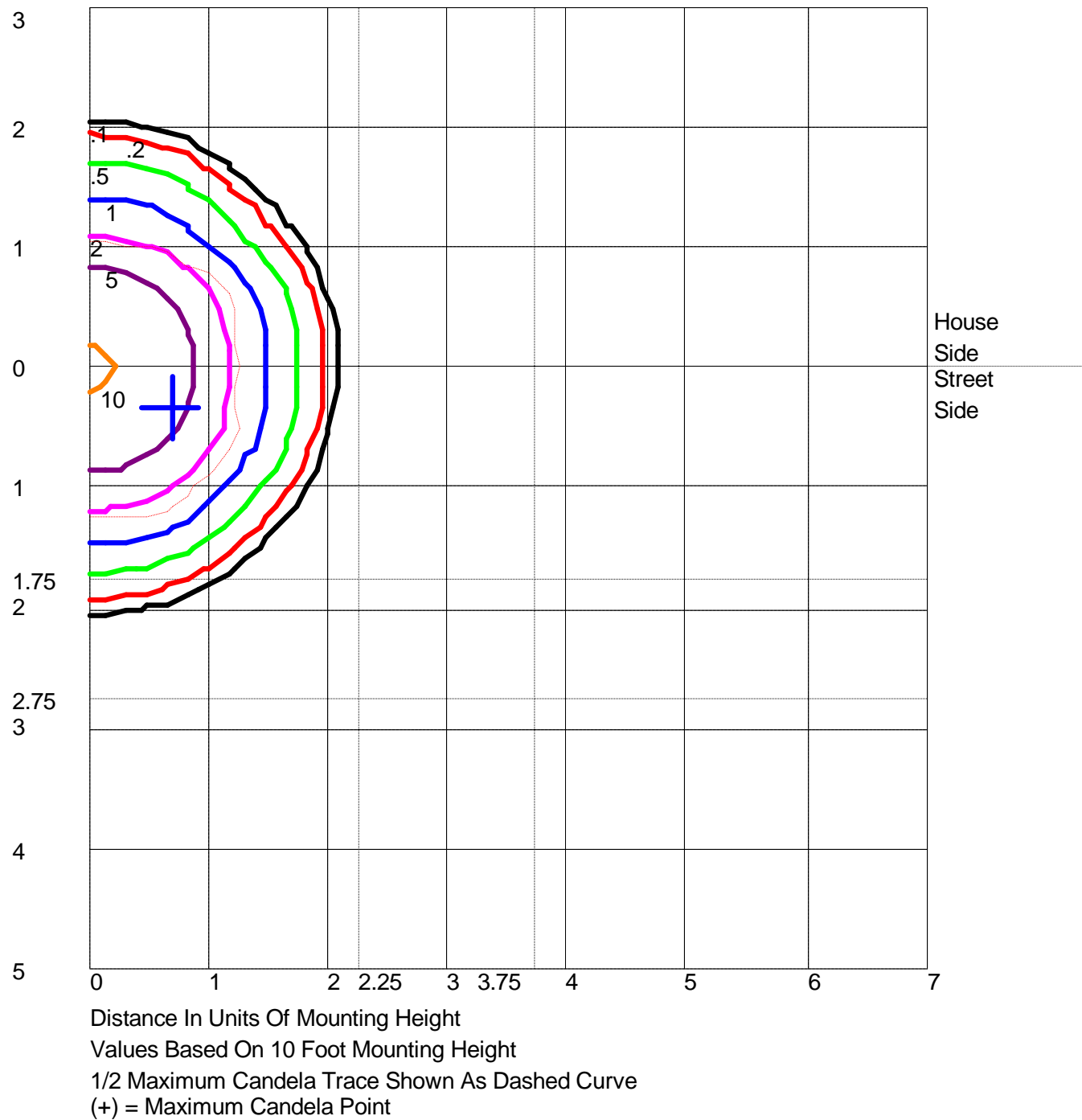
	Lumens	Percent Of Luminaire
Downward Street Side	1611.3	51.0
Downward House Side	1549.3	49.0
Downward Total	3160.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3160.6	100.0

POLAR GRAPH

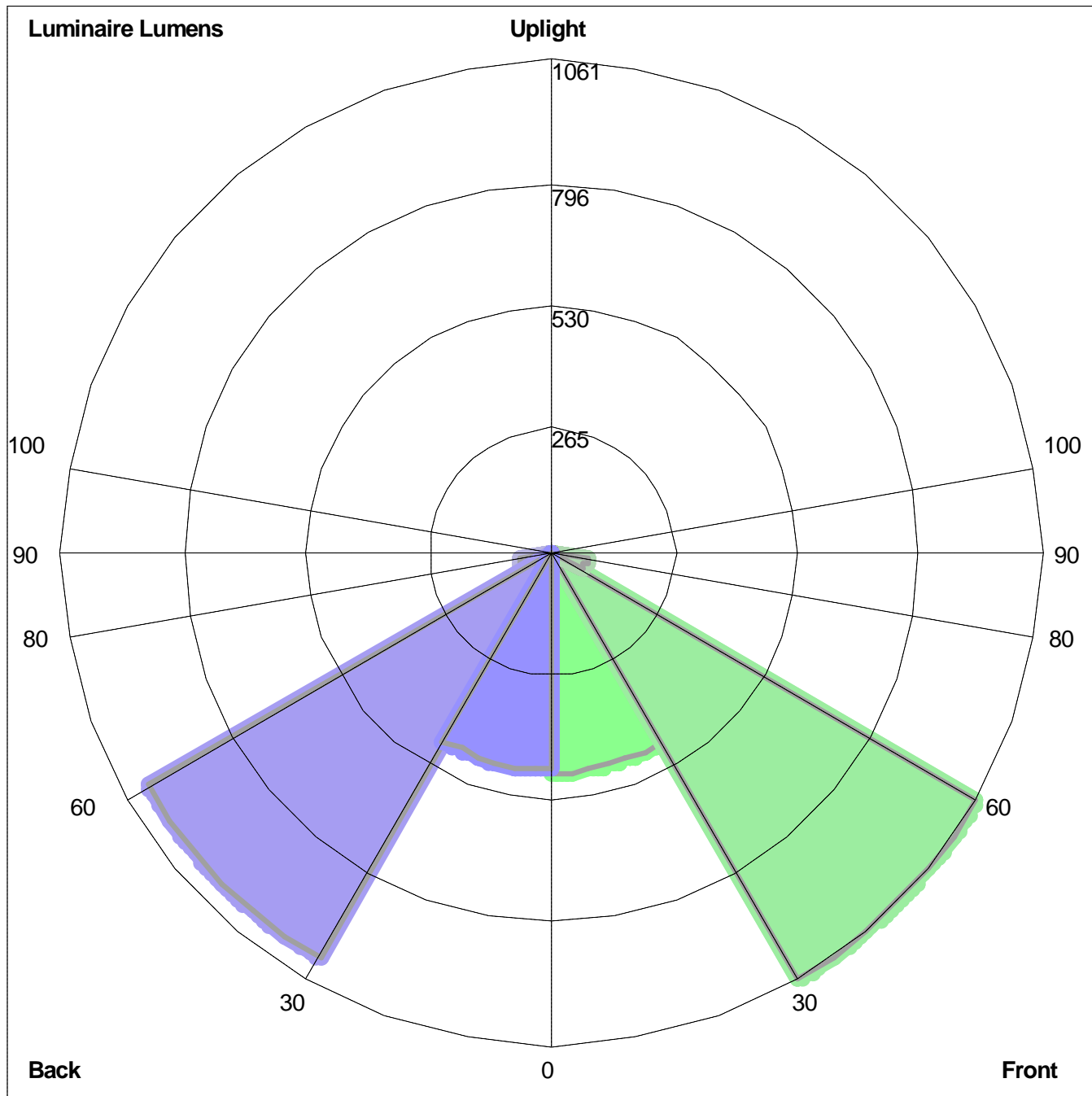


Maximum Candela = 1396 Located At Horizontal Angle = 64, Vertical Angle = 37.5
1 - Vertical Plane Through Horizontal Angles (64 - 244) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (37.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=473.6, Medium=1060.9, High=74.3, Very High=2.6
Back: Low=468.4, Medium=1006.3, High=72.2, Very High=2.3
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0