



IES ROAD REPORT
PHOTOMETRIC FILENAME : XLCW-S-LED-SS-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-6650
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/27/15
[TEST DATE]02/27/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLCW-S-LED-SS-NW-UE
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]3513

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3512
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	41.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1328
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	1328
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	160 (4.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	531.8	N.A.	15.1
FM - Front-Medium (30-60)	1017.2	N.A.	29.0
FH - Front-High (60-80)	275.1	N.A.	7.8
FVH - Front-Very High (80-90)	49.7	N.A.	1.4
BL - Back-Low (0-30)	537.1	N.A.	15.3
BM - Back-Medium (30-60)	936.0	N.A.	26.6
BH - Back-High (60-80)	159.3	N.A.	4.5
BVH - Back-Very High (80-90)	6.1	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3512.3	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298
2.5	1282	1276	1279	1281	1290	1297	1304	1310	1316	1317
5.0	1285	1278	1281	1284	1292	1299	1305	1311	1317	1318
7.5	1287	1279	1283	1287	1294	1301	1306	1311	1317	1317
10.0	1287	1279	1283	1287	1294	1300	1305	1310	1315	1315
12.5	1285	1277	1281	1284	1291	1298	1302	1307	1312	1312
15.0	1278	1271	1275	1279	1286	1293	1297	1302	1306	1305
17.5	1269	1261	1266	1270	1277	1284	1289	1294	1299	1298
20.0	1255	1247	1252	1256	1265	1273	1278	1285	1289	1289
22.5	1238	1230	1235	1239	1248	1257	1265	1272	1278	1278
25.0	1216	1208	1213	1217	1225	1238	1247	1256	1263	1264
27.5	1191	1184	1188	1191	1200	1214	1225	1237	1245	1247
30.0	1162	1155	1158	1160	1171	1186	1199	1213	1224	1227
32.5	1129	1122	1125	1128	1138	1150	1168	1185	1198	1202
35.0	1089	1083	1087	1090	1101	1113	1130	1151	1167	1173
37.5	1045	1040	1044	1047	1059	1074	1090	1113	1130	1139
40.0	994	996	999	1001	1013	1029	1047	1070	1092	1103
42.5	944	948	951	954	965	981	1001	1022	1047	1063
45.0	894	897	900	902	914	929	951	973	1000	1016
47.5	840	842	847	852	859	876	893	921	949	968
50.0	774	777	781	785	804	817	836	864	893	914
52.5	501	502	541	580	735	758	776	803	834	856
55.0	458	456	456	455	473	685	713	739	771	793
57.5	420	419	420	420	422	453	647	673	705	723
60.0	380	377	380	382	385	387	567	603	634	653
62.5	343	340	341	341	344	349	352	531	557	579
65.0	210	217	257	297	304	308	313	442	479	504
67.5	200	200	199	198	193	263	273	272	404	423
70.0	191	190	189	188	182	174	225	233	332	347
72.5	183	182	181	179	172	163	152	193	200	274
75.0	175	175	173	171	165	154	141	147	155	207
77.5	171	170	168	166	158	147	132	115	115	142
80.0	160	158	157	156	151	142	126	107	84	74
82.5	157	157	155	153	145	132	118	101	76	53
85.0	155	154	152	150	142	130	113	93	70	43
87.5	150	149	147	145	137	125	109	89	65	37
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	1298	1298	1298	1298	1298	1298	1298	1298	1298	1298
2.5	1326	1327	1324	1320	1316	1313	1302	1293	1283	1277
5.0	1327	1328	1325	1320	1316	1313	1302	1293	1282	1277
7.5	1326	1327	1324	1320	1316	1313	1302	1293	1282	1278
10.0	1323	1324	1322	1317	1314	1312	1301	1293	1282	1279
12.5	1319	1319	1317	1312	1310	1309	1300	1293	1282	1278
15.0	1313	1313	1310	1305	1305	1304	1297	1291	1279	1275
17.5	1304	1305	1303	1299	1298	1299	1291	1286	1275	1273
20.0	1294	1294	1292	1289	1290	1291	1283	1281	1271	1272
22.5	1282	1282	1280	1278	1279	1280	1275	1274	1269	1270
25.0	1267	1266	1265	1263	1266	1268	1266	1269	1263	1265
27.5	1250	1248	1246	1246	1249	1254	1256	1260	1254	1257

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CANDELA TABULATION - (Cont.)

30.0	1228	1224	1224	1225	1228	1237	1242	1245	1239	1244
32.5	1201	1199	1198	1200	1205	1217	1223	1226	1221	1226
35.0	1172	1169	1167	1169	1177	1194	1201	1204	1199	1205
37.5	1139	1136	1134	1138	1147	1166	1174	1178	1175	1179
40.0	1103	1100	1097	1103	1117	1137	1144	1150	1144	1150
42.5	1064	1060	1059	1063	1082	1102	1113	1116	1112	1117
45.0	1019	1013	1011	1020	1046	1067	1079	1080	696	578
47.5	966	956	952	968	1006	1027	1036	1014	555	551
50.0	905	902	900	915	962	986	993	532	527	85
52.5	848	849	849	865	912	938	517	501	67	60
55.0	791	787	793	814	856	887	476	64	54	43
57.5	722	718	722	761	799	794	445	52	35	18
60.0	649	651	657	696	741	513	97	35	9	2
62.5	579	583	593	630	681	450	81	11	2	1
65.0	502	499	510	562	593	244	53	5	1	0
67.5	422	426	437	495	460	193	31	4	0	0
70.0	344	342	349	421	382	147	20	2	0	0
72.5	266	261	276	352	313	110	12	2	0	0
75.0	196	186	205	285	249	84	8	1	0	0
77.5	133	125	136	214	181	61	6	0	0	0
80.0	79	73	83	137	109	40	4	0	0	0
82.5	37	26	30	67	44	17	3	0	0	0
85.0	19	8	9	21	13	6	1	0	0	0
87.5	12	3	1	2	5	2	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

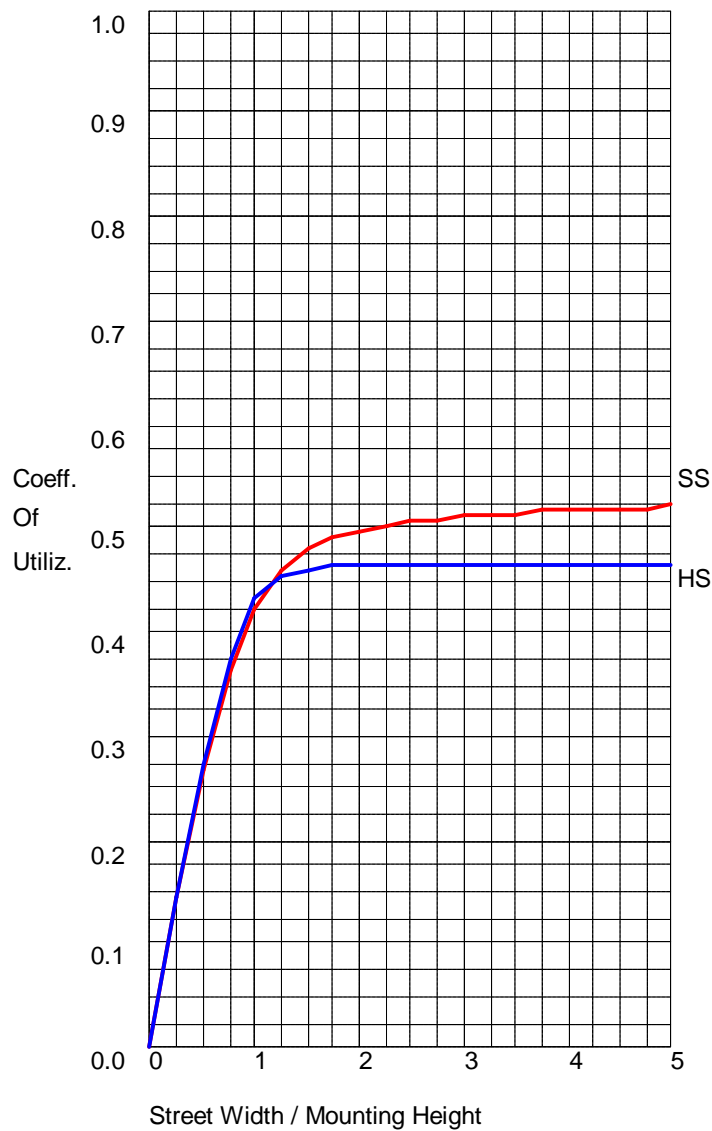
	175	180
0.0	1298	1298
2.5	1273	1272
5.0	1274	1272
7.5	1274	1272
10.0	1276	1273
12.5	1275	1272
15.0	1272	1269
17.5	1271	1267
20.0	1271	1267
22.5	1270	1266
25.0	1265	1262
27.5	1256	1256
30.0	1243	1243
32.5	1227	1227
35.0	1205	1207
37.5	1176	1179
40.0	1146	1151
42.5	615	601
45.0	572	574
47.5	548	549
50.0	69	68
52.5	56	55
55.0	36	35
57.5	10	9
60.0	1	1
62.5	0	0
65.0	0	0

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CANDELA TABULATION - (Cont.)

67.5	0	0
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

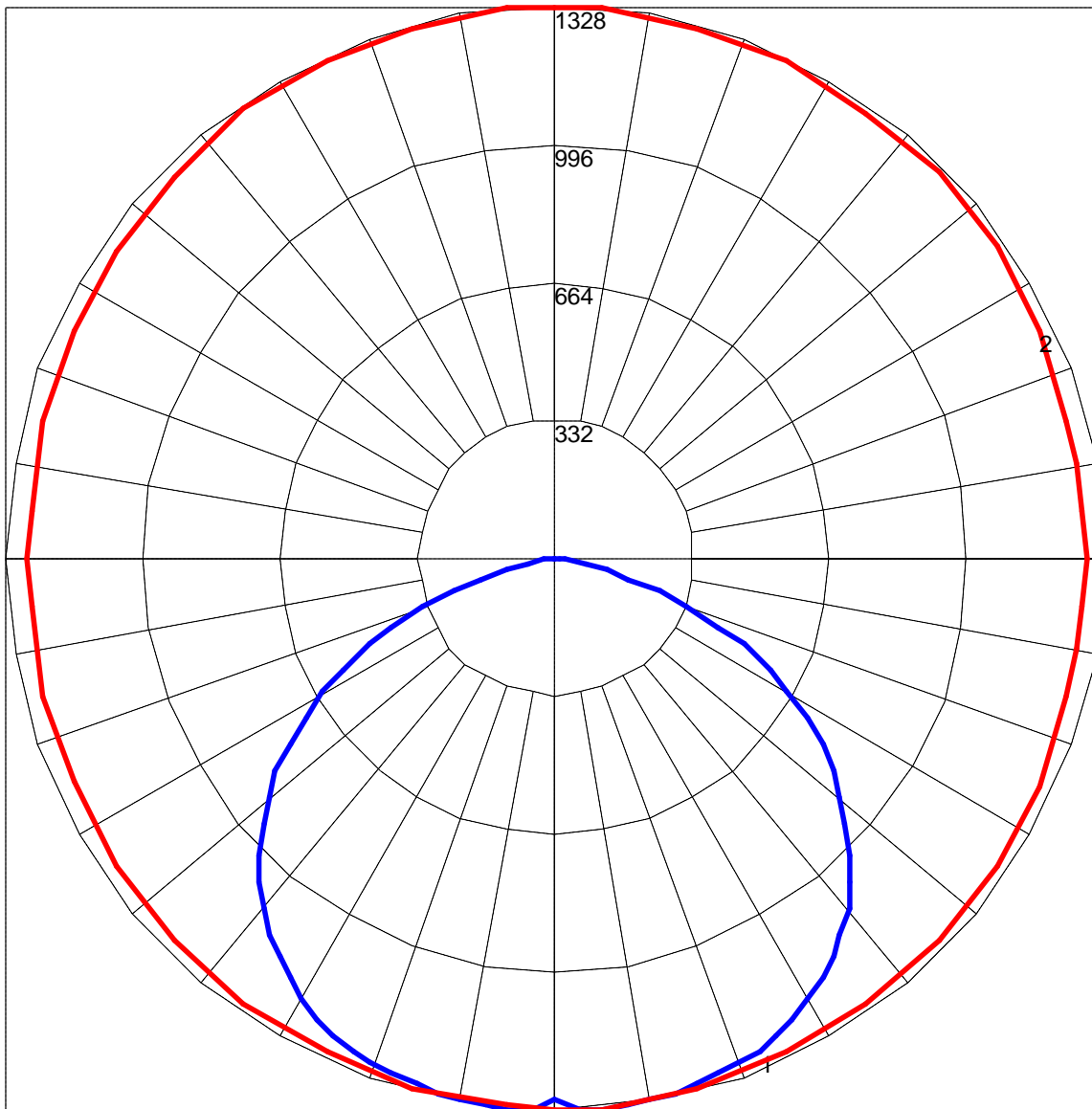
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

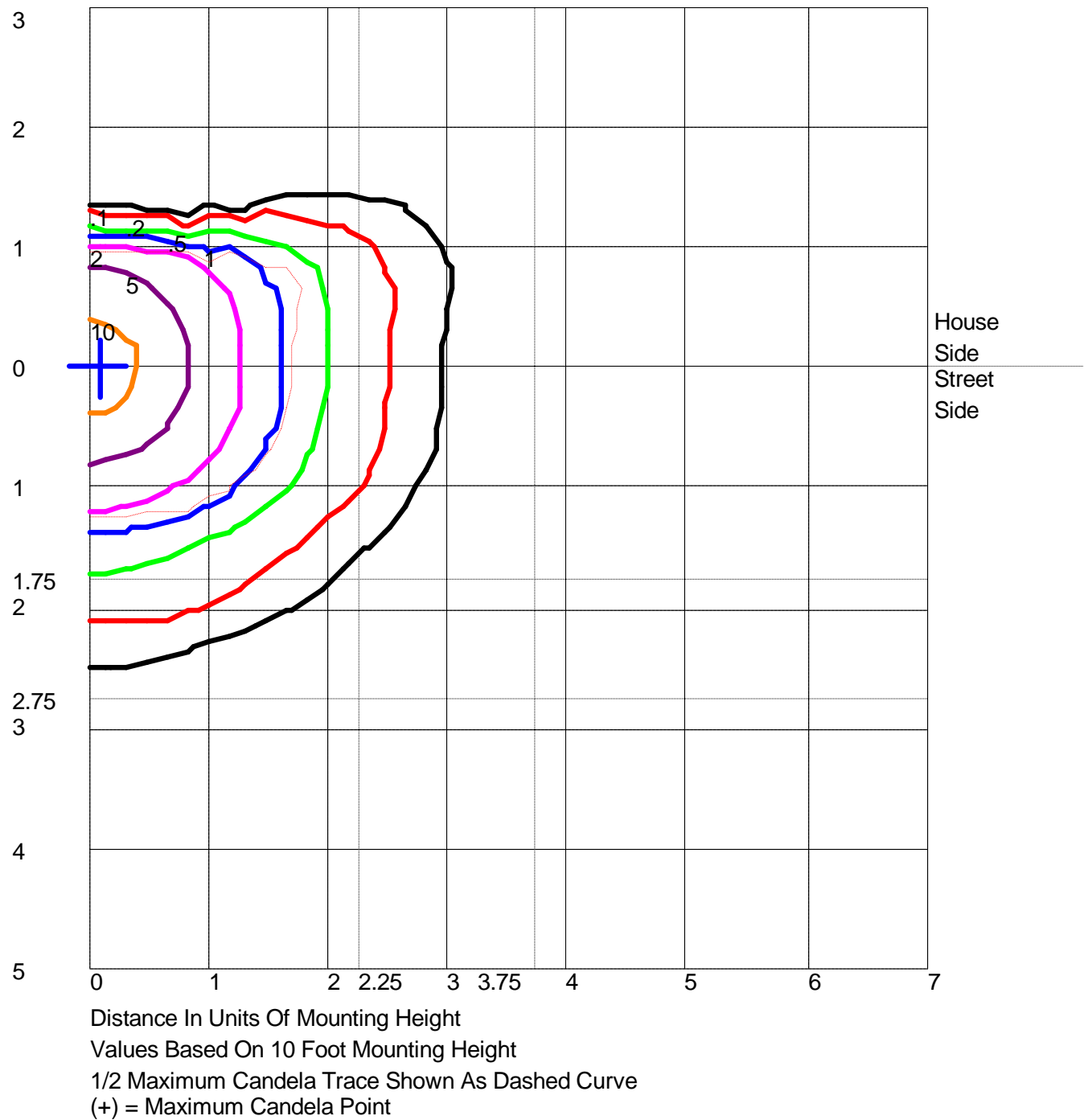
	Lumens	Percent Of Luminaire
Downward Street Side	1873.7	53.3
Downward House Side	1638.5	46.7
Downward Total	3512.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3512.2	100.0

POLAR GRAPH

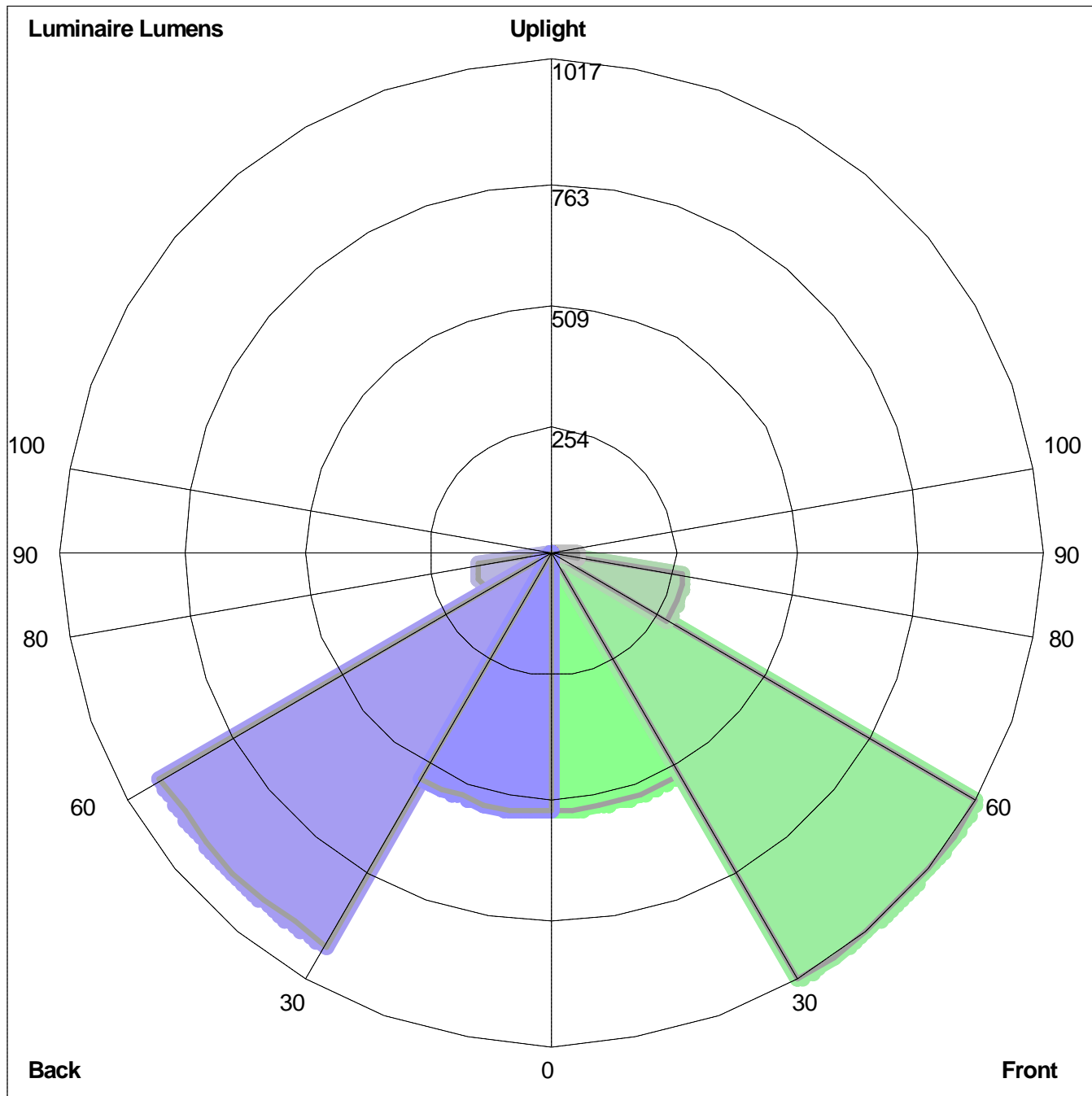


Maximum Candela = 1328 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=531.8, Medium=1017.2, High=275.1, Very High=49.7
Back: Low=537.1, Medium=936.0, High=159.3, Very High=6.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1