



IES ROAD REPORT  
PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-350-CW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-3066  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]03/20/12  
[TEST DATE]03/20/12  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]XPWS3-WT-LED-48-350-CW-UE  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[LED DRIVER]ELECTRONIC LED DRIVER

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5095
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	55
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2986
Maximum Candela Angle	57H 42V
Maximum Candela (<90 Degrees Vertical)	2986
Maximum Candela Angle (<90 Degrees Vertical)	57H 42V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	237 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : XPWS3-WT-LED-48-350-CW-UE.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	610.4	N.A.	12.0
FM - Front-Medium (30-60)	2033.9	N.A.	39.9
FH - Front-High (60-80)	621.7	N.A.	12.2
FVH - Front-Very High (80-90)	11.0	N.A.	0.2
BL - Back-Low (0-30)	449.3	N.A.	8.8
BM - Back-Medium (30-60)	1063.4	N.A.	20.9
BH - Back-High (60-80)	298.9	N.A.	5.9
BVH - Back-Very High (80-90)	6.0	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	5094.6	N.A.	100.0
BUG Rating	B2-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0</b></u>	<u><b>5</b></u>	<u><b>15</b></u>	<u><b>25</b></u>	<u><b>35</b></u>	<u><b>45</b></u>	<u><b>55</b></u>	<u><b>57</b></u>	<u><b>65</b></u>	<u><b>75</b></u>
<b>0.0</b>	1124	1124	1124	1124	1124	1124	1124	1124	1124	1124
<b>2.5</b>	1122	1117	1122	1121	1126	1134	1136	1133	1144	1144
<b>5.0</b>	1138	1133	1137	1128	1138	1144	1145	1142	1152	1149
<b>7.5</b>	1161	1157	1159	1147	1153	1154	1149	1145	1154	1149
<b>10.0</b>	1209	1203	1204	1190	1187	1176	1159	1153	1157	1150
<b>12.5</b>	1292	1284	1278	1257	1235	1208	1186	1180	1177	1163
<b>15.0</b>	1403	1393	1377	1337	1304	1268	1221	1211	1201	1180
<b>17.5</b>	1548	1538	1508	1448	1400	1344	1266	1253	1218	1204
<b>20.0</b>	1696	1686	1655	1586	1518	1436	1327	1307	1255	1228
<b>22.5</b>	1799	1795	1779	1719	1644	1537	1408	1387	1325	1286
<b>25.0</b>	1855	1852	1853	1812	1763	1655	1519	1496	1416	1342
<b>27.5</b>	1869	1867	1874	1859	1852	1796	1648	1614	1502	1369
<b>30.0</b>	1819	1825	1841	1867	1909	1941	1809	1760	1584	1461
<b>32.5</b>	1695	1710	1761	1819	1966	2105	2007	1966	1796	1672
<b>35.0</b>	1545	1557	1626	1711	1984	2262	2304	2300	2171	1882
<b>37.5</b>	1402	1411	1476	1579	1927	2376	2633	2663	2559	2049
<b>40.0</b>	1290	1296	1348	1457	1816	2421	2871	2917	2796	2105
<b>42.0</b>	1204	1209	1256	1361	1705	2363	2962	2986	2625	2130
<b>42.5</b>	1193	1200	1251	1353	1702	2358	2962	2983	2800	2131
<b>45.0</b>	1111	1117	1171	1278	1672	2256	2790	2823	2755	2159
<b>47.5</b>	1031	1036	1099	1253	1674	2106	2523	2608	2715	2172
<b>50.0</b>	949	953	1009	1232	1692	1950	2310	2417	2666	2186
<b>52.5</b>	860	867	938	1219	1652	1778	2136	2252	2600	2253
<b>55.0</b>	706	717	847	1210	1547	1629	2016	2122	2521	2339
<b>57.5</b>	515	529	683	1107	1415	1517	1940	2033	2410	2320
<b>60.0</b>	206	220	448	885	1188	1462	1878	1953	2245	2144
<b>62.5</b>	110	114	231	410	868	1429	1791	1835	1952	1847
<b>65.0</b>	71	73	154	270	454	1285	1606	1623	1696	1672
<b>67.5</b>	42	45	87	162	379	902	1354	1391	1357	1356
<b>70.0</b>	18	20	41	79	249	606	918	943	1048	1170
<b>72.5</b>	16	16	29	42	148	409	552	580	810	960
<b>75.0</b>	13	14	24	36	118	220	350	354	515	696
<b>77.5</b>	10	11	19	26	81	132	172	196	272	428
<b>80.0</b>	8	8	12	15	21	60	76	77	154	237
<b>82.5</b>	7	7	9	10	11	14	22	26	31	71
<b>85.0</b>	5	5	5	6	7	7	9	9	12	15
<b>87.5</b>	4	4	4	4	4	4	4	4	4	5
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>85</b></u>	<u><b>90</b></u>	<u><b>95</b></u>	<u><b>105</b></u>	<u><b>115</b></u>	<u><b>125</b></u>	<u><b>135</b></u>	<u><b>145</b></u>	<u><b>155</b></u>	<u><b>165</b></u>
<b>0.0</b>	1124	1124	1124	1124	1124	1124	1124	1124	1124	1124
<b>2.5</b>	1144	1141	1142	1140	1130	1123	1110	1109	1104	1100
<b>5.0</b>	1146	1141	1140	1137	1124	1115	1101	1098	1091	1087
<b>7.5</b>	1141	1136	1134	1128	1113	1104	1091	1087	1078	1074
<b>10.0</b>	1141	1135	1130	1121	1103	1093	1078	1071	1062	1057
<b>12.5</b>	1150	1145	1140	1127	1105	1089	1068	1056	1045	1041
<b>15.0</b>	1160	1156	1149	1138	1101	1086	1065	1047	1031	1026
<b>17.5</b>	1174	1162	1151	1140	1098	1077	1053	1035	1022	1015
<b>20.0</b>	1203	1189	1174	1156	1101	1065	1047	1029	1018	1008
<b>22.5</b>	1241	1227	1214	1194	1113	1060	1035	1015	1000	991
<b>25.0</b>	1275	1252	1229	1211	1106	1049	1019	1006	984	972

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**CANDELA TABULATION - (Cont.)**

27.5	1282	1254	1220	1194	1083	1033	1004	992	972	958
30.0	1392	1358	1314	1235	1065	1017	987	983	965	949
32.5	1627	1585	1540	1418	1152	1016	978	969	962	938
35.0	1731	1692	1636	1528	1316	1095	971	959	948	929
37.5	1799	1758	1692	1615	1482	1239	993	949	935	897
40.0	1794	1742	1670	1614	1568	1395	1094	955	879	707
42.0	1771	1713	1642	1574	1558	1492	1209	944	686	438
42.5	1768	1704	1634	1571	1555	1500	1222	938	657	412
45.0	1725	1659	1585	1516	1531	1497	1330	815	380	204
47.5	1669	1593	1521	1446	1497	1433	1274	576	197	112
50.0	1662	1572	1490	1415	1465	1362	898	339	143	117
52.5	1732	1631	1540	1448	1431	1253	472	232	141	129
55.0	1809	1697	1609	1526	1451	1012	241	225	145	118
57.5	1800	1682	1611	1555	1488	716	200	235	135	100
60.0	1702	1578	1531	1499	1459	545	203	208	123	93
62.5	1528	1419	1390	1361	1221	474	180	183	129	93
65.0	1343	1191	1166	1147	834	358	139	158	153	93
67.5	1096	911	874	823	548	228	122	122	148	76
70.0	987	791	754	671	396	169	121	96	122	55
72.5	840	690	629	501	254	147	108	69	67	36
75.0	592	464	431	303	122	101	76	49	35	33
77.5	361	296	281	164	71	52	48	39	28	24
80.0	175	140	130	71	33	25	29	23	15	9
82.5	70	67	67	19	12	13	12	9	9	5
85.0	13	12	11	9	5	6	5	5	4	3
87.5	4	4	4	3	3	3	3	3	3	3
90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

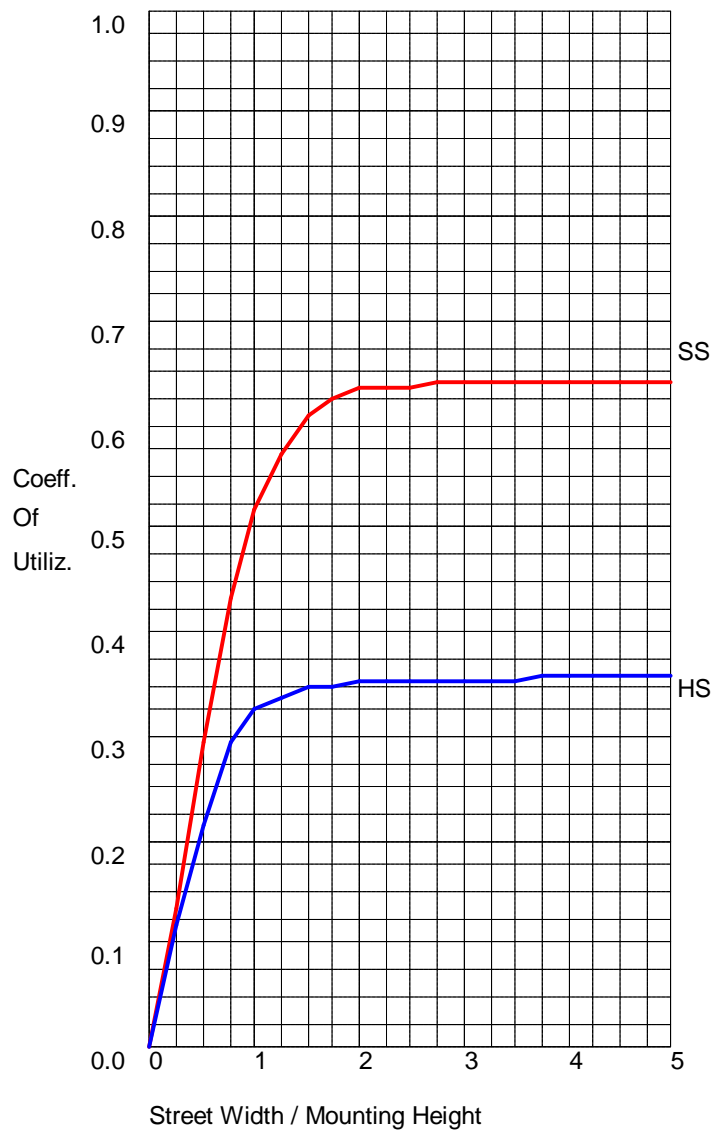
	<u>175</u>	<u>180</u>
0.0	1124	1124
2.5	1094	1093
5.0	1081	1079
7.5	1066	1063
10.0	1046	1043
12.5	1030	1027
15.0	1018	1013
17.5	1005	1001
20.0	995	989
22.5	985	980
25.0	969	966
27.5	951	948
30.0	935	932
32.5	920	919
35.0	903	901
37.5	833	826
40.0	580	564
42.0	338	325
42.5	314	303
45.0	144	138
47.5	100	99
50.0	100	98
52.5	100	97
55.0	92	88
57.5	91	84

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**CANDELA TABULATION - (Cont.)**

<b>60.0</b>	<b>88</b>	<b>90</b>
<b>62.5</b>	<b>86</b>	<b>97</b>
<b>65.0</b>	<b>74</b>	<b>78</b>
<b>67.5</b>	<b>57</b>	<b>56</b>
<b>70.0</b>	<b>34</b>	<b>33</b>
<b>72.5</b>	<b>17</b>	<b>17</b>
<b>75.0</b>	<b>13</b>	<b>12</b>
<b>77.5</b>	<b>8</b>	<b>8</b>
<b>80.0</b>	<b>5</b>	<b>5</b>
<b>82.5</b>	<b>4</b>	<b>4</b>
<b>85.0</b>	<b>3</b>	<b>3</b>
<b>87.5</b>	<b>3</b>	<b>3</b>
<b>90.0</b>	<b>0</b>	<b>0</b>

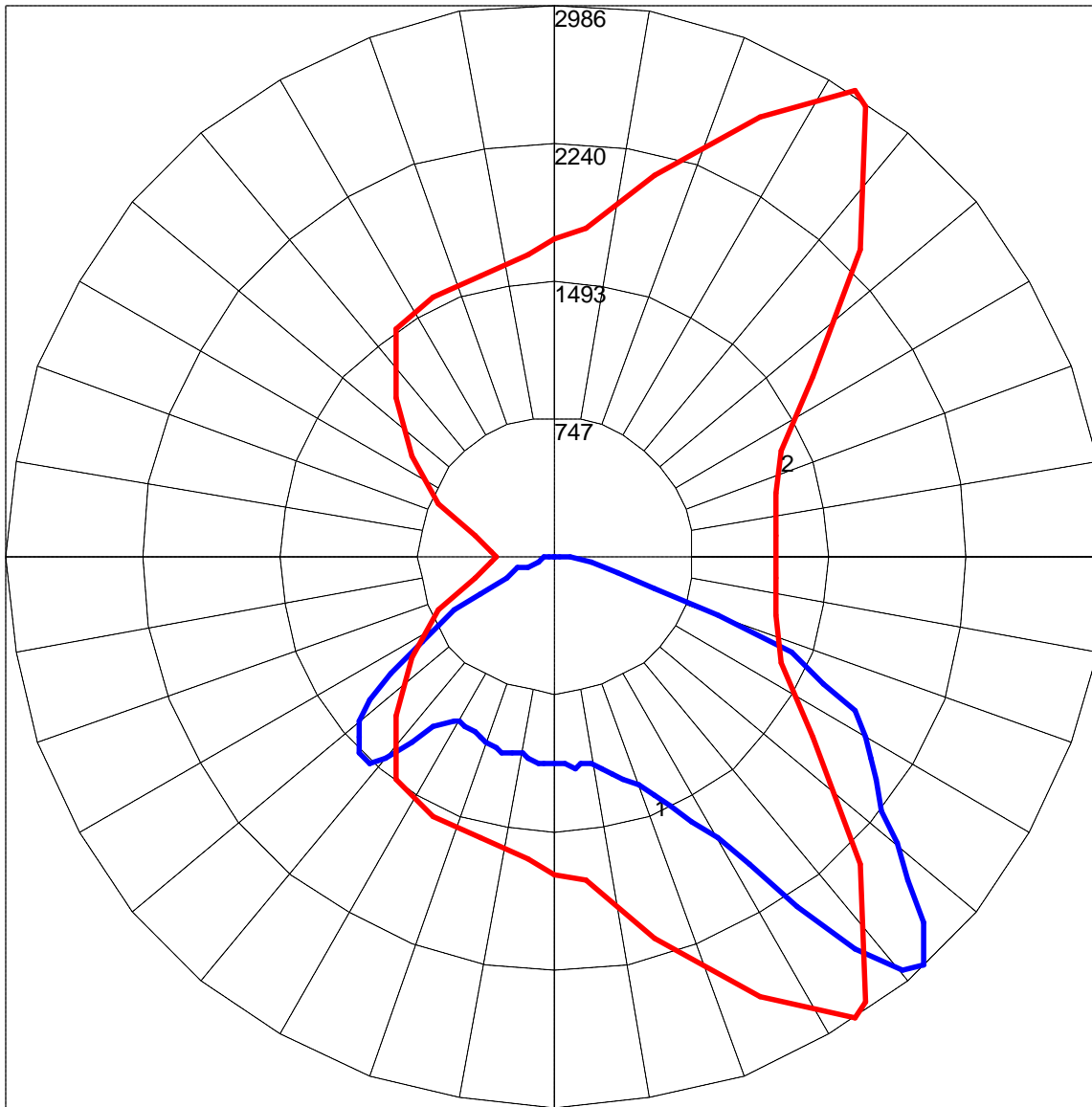
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

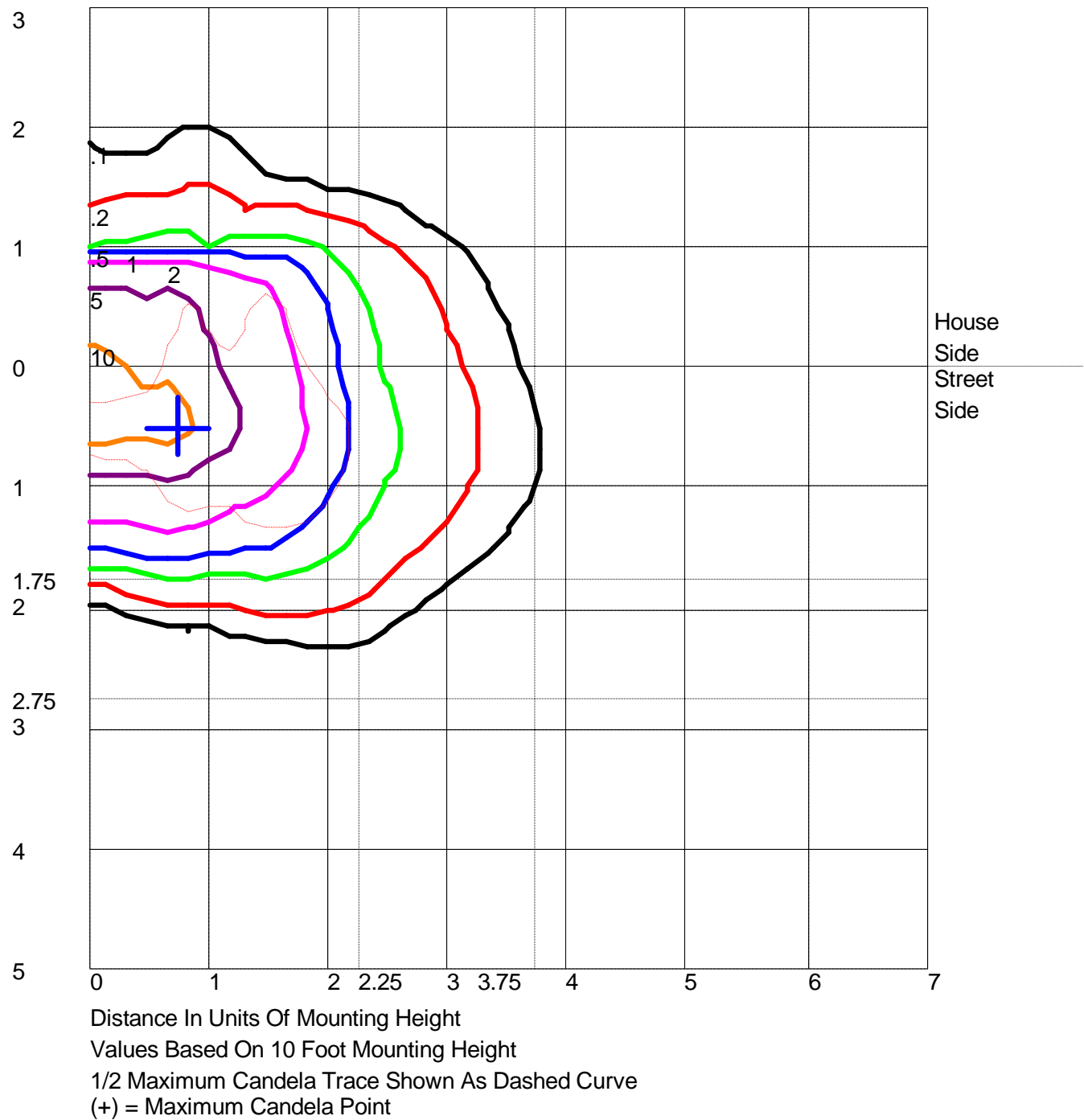
	Lumens	Percent Of Luminaire
Downward Street Side	3277.0	64.3
Downward House Side	1817.6	35.7
Downward Total	5094.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5094.6	100.0

POLAR GRAPH



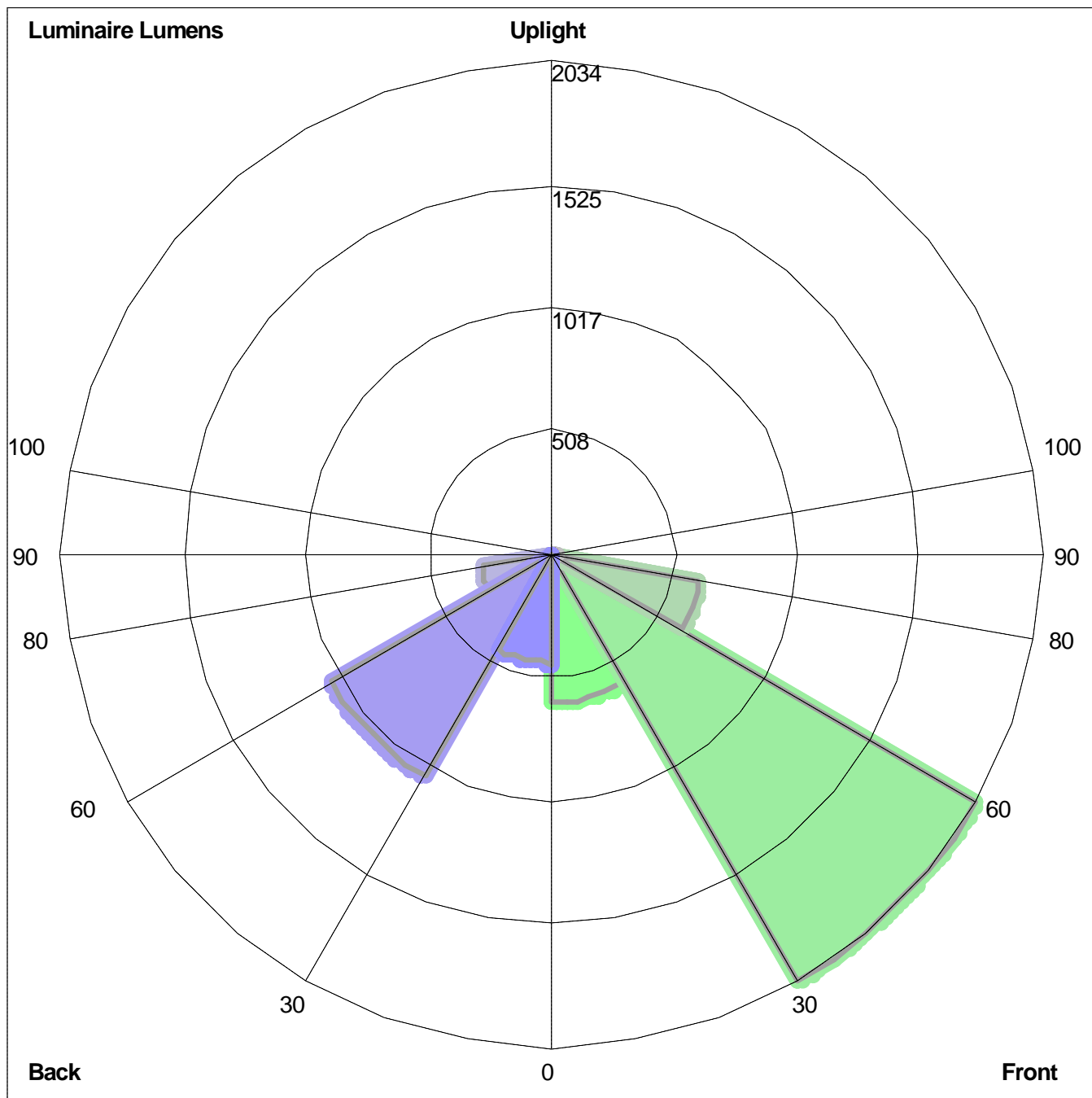
Maximum Candela = 2986 Located At Horizontal Angle = 57, Vertical Angle = 42  
# 1 - Vertical Plane Through Horizontal Angles (57 - 237) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (42) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=610.4, Medium=2033.9, High=621.7, Very High=11.0  
Back: Low=449.3, Medium=1063.4, High=298.9, Very High=6.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1