



IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-48-450-NW-UE.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-3079
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/22/12
[TEST DATE]03/22/12
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XPWS3-FT-LED-48-450-NW-UE
[LED DRIVER]ELECTRONIC LED DRIVER
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[ABSOLUTE LUMENS]5774

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5775
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3982
Maximum Candela Angle	26H 56V
Maximum Candela (<90 Degrees Vertical)	3982
Maximum Candela Angle (<90 Degrees Vertical)	26H 56V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	356 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-48-450-NW-UE.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	568.9	N.A.	9.9
FM - Front-Medium (30-60)	2318.2	N.A.	40.1
FH - Front-High (60-80)	1450.2	N.A.	25.1
FVH - Front-Very High (80-90)	26.6	N.A.	0.5
BL - Back-Low (0-30)	498.5	N.A.	8.6
BM - Back-Medium (30-60)	745.5	N.A.	12.9
BH - Back-High (60-80)	160.9	N.A.	2.8
BVH - Back-Very High (80-90)	6.3	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	5775.1	N.A.	100.0
BUG Rating	B1-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-48-450-NW-UE.IES

CANDELA TABULATION

Vert. Horizontal Angles
Angles

	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>26</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	1451	1451	1451	1451	1451	1451	1451	1451	1451	1451
2.5	1411	1402	1405	1405	1401	1417	1428	1438	1450	1459
5.0	1322	1313	1320	1319	1322	1345	1367	1390	1420	1444
7.5	1244	1236	1246	1254	1261	1285	1318	1350	1391	1430
10.0	1206	1198	1204	1215	1217	1234	1268	1313	1371	1422
12.5	1186	1180	1187	1196	1196	1210	1235	1271	1347	1420
15.0	1176	1169	1175	1183	1184	1196	1220	1249	1322	1425
17.5	1166	1159	1170	1176	1177	1188	1208	1232	1293	1431
20.0	1161	1156	1173	1173	1174	1182	1203	1226	1292	1449
22.5	1152	1149	1169	1171	1170	1179	1204	1238	1320	1505
25.0	1147	1144	1151	1165	1165	1185	1212	1277	1437	1684
27.5	1146	1143	1150	1165	1166	1183	1242	1373	1637	1928
30.0	1141	1140	1159	1173	1175	1203	1318	1537	1832	2107
32.5	1140	1139	1157	1181	1183	1242	1451	1711	1950	2145
35.0	1161	1159	1164	1196	1200	1304	1607	1828	1955	2094
37.5	1239	1233	1220	1227	1233	1424	1745	1873	1897	2022
40.0	1334	1326	1311	1338	1347	1593	1832	1880	1845	1936
42.5	1466	1452	1414	1512	1530	1807	1895	1857	1809	1846
45.0	1648	1626	1565	1761	1788	2048	1976	1825	1761	1740
47.5	1958	1928	1814	2106	2143	2272	2071	1793	1730	1660
50.0	2332	2289	2166	2614	2636	2499	2144	1781	1704	1659
52.5	2703	2675	2618	3232	3241	2783	2230	1848	1716	1690
55.0	2705	2685	2820	3861	3852	3170	2348	1995	1753	1715
56.0	2706	2686	2828	3954	3982	3433	2506	2067	1761	1717
57.5	2733	2708	2857	3926	3939	3639	2678	2121	1750	1719
60.0	2671	2665	2991	3914	3906	3707	3161	2207	1742	1708
62.5	2304	2317	2856	3806	3823	3749	3492	2342	1689	1564
65.0	1644	1688	2284	3230	3286	3790	3465	2538	1490	1230
67.5	908	928	1218	2154	2262	3387	3407	2398	1303	1001
70.0	442	455	624	1304	1394	2407	2809	2110	1310	867
72.5	144	152	225	777	859	1591	1782	1766	1285	744
75.0	59	61	78	392	443	901	985	1111	1055	587
77.5	36	38	54	193	221	412	413	500	753	472
80.0	26	27	39	89	101	204	164	211	354	356
82.5	17	18	24	33	35	64	67	88	142	141
85.0	11	11	12	16	17	20	22	34	53	34
87.5	5	5	5	6	6	6	6	6	6	5
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
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	1451	1451	1451	1451	1451	1451	1451	1451	1451	1451
2.5	1467	1468	1470	1473	1472	1467	1463	1467	1464	1464
5.0	1464	1470	1476	1486	1488	1485	1478	1478	1471	1469
7.5	1463	1475	1483	1497	1495	1481	1462	1450	1436	1431
10.0	1471	1487	1497	1508	1496	1467	1439	1422	1406	1397
12.5	1496	1521	1531	1529	1492	1455	1425	1394	1351	1315
15.0	1541	1586	1604	1586	1510	1453	1393	1309	1212	1134
17.5	1593	1665	1698	1665	1556	1461	1315	1150	996	889
20.0	1659	1753	1788	1733	1612	1445	1187	944	756	619
22.5	1788	1899	1923	1805	1654	1379	1015	714	503	382
25.0	2017	2132	2138	1943	1707	1275	829	486	319	248

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-48-450-NW-UE.IES

CANDELA TABULATION - (Cont.)

27.5	2289	2400	2374	2126	1775	1184	650	331	218	173
30.0	2440	2528	2482	2238	1774	1057	538	261	161	149
32.5	2388	2467	2384	2181	1646	909	497	262	148	143
35.0	2314	2425	2319	2070	1428	773	520	320	152	142
37.5	2232	2326	2251	1963	1236	704	564	374	161	138
40.0	2175	2265	2186	1820	1035	715	613	417	172	141
42.5	2107	2221	2126	1659	825	708	604	375	173	138
45.0	1997	2132	2031	1476	658	648	523	316	220	131
47.5	1898	2046	1976	1296	549	545	425	310	266	130
50.0	1817	1995	1987	1153	463	427	360	336	244	103
52.5	1798	1972	1998	1024	430	355	330	305	157	73
55.0	1761	1830	1831	882	401	325	277	239	102	87
56.0	1738	1786	1755	808	379	327	242	163	87	73
57.5	1726	1759	1713	750	357	326	208	150	78	59
60.0	1679	1685	1626	646	306	318	112	105	60	43
62.5	1408	1419	1358	508	245	239	97	76	52	35
65.0	1197	1181	1088	377	189	115	85	65	43	33
67.5	1016	979	855	250	138	83	69	51	36	29
70.0	857	808	692	198	106	73	74	54	28	22
72.5	652	590	470	152	79	67	78	47	22	15
75.0	454	461	320	124	68	59	69	36	16	11
77.5	260	261	196	69	54	47	50	26	12	8
80.0	199	210	141	35	40	30	24	14	10	7
82.5	94	83	61	27	27	15	11	9	6	4
85.0	19	18	15	13	12	9	5	3	2	1
87.5	6	6	6	5	4	4	3	2	2	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

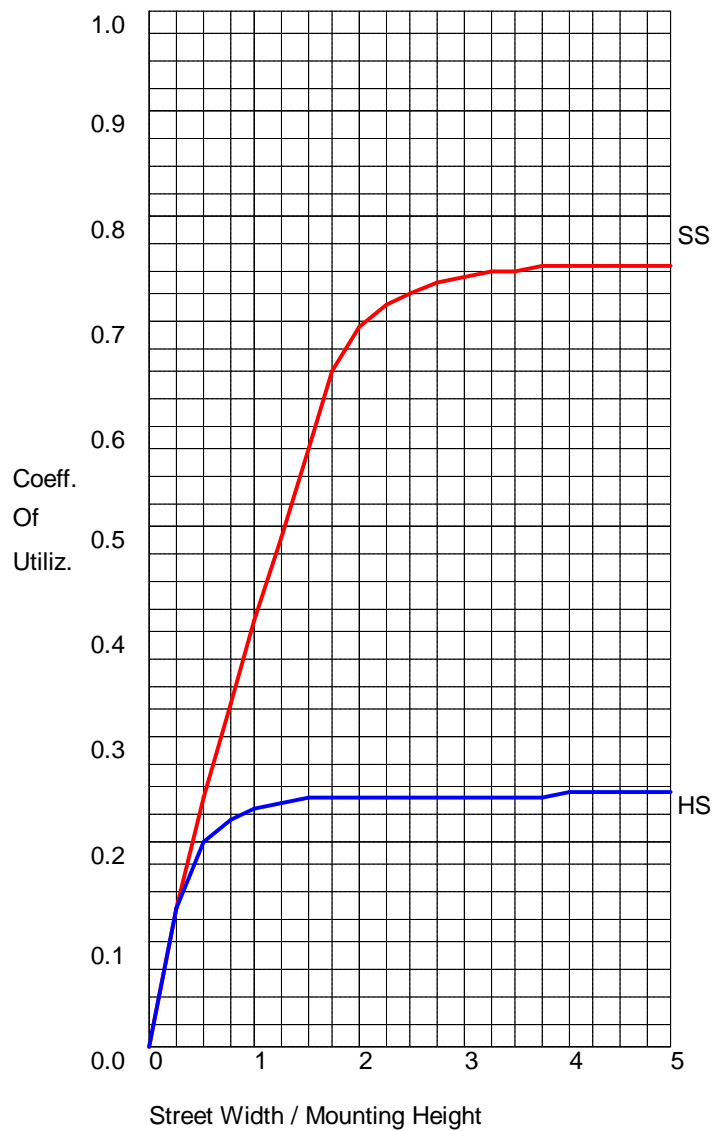
	<u>175</u>	<u>180</u>
0.0	1451	1451
2.5	1458	1456
5.0	1462	1457
7.5	1420	1415
10.0	1384	1378
12.5	1286	1280
15.0	1083	1076
17.5	827	818
20.0	548	539
22.5	326	321
25.0	210	205
27.5	142	138
30.0	124	120
32.5	116	112
35.0	111	106
37.5	106	100
40.0	105	96
42.5	103	93
45.0	94	86
47.5	84	79
50.0	44	36
52.5	26	18
55.0	22	16
56.0	19	15
57.5	18	16

IES ROAD REPORT
PHOTOMETRIC FILENAME : XPWS3-FT-LED-48-450-NW-UE.IES

CANDELA TABULATION - (Cont.)

60.0	21	17
62.5	24	22
65.0	24	24
67.5	21	20
70.0	17	15
72.5	13	11
75.0	9	9
77.5	7	7
80.0	7	6
82.5	3	3
85.0	1	2
87.5	0	0
90.0	0	0

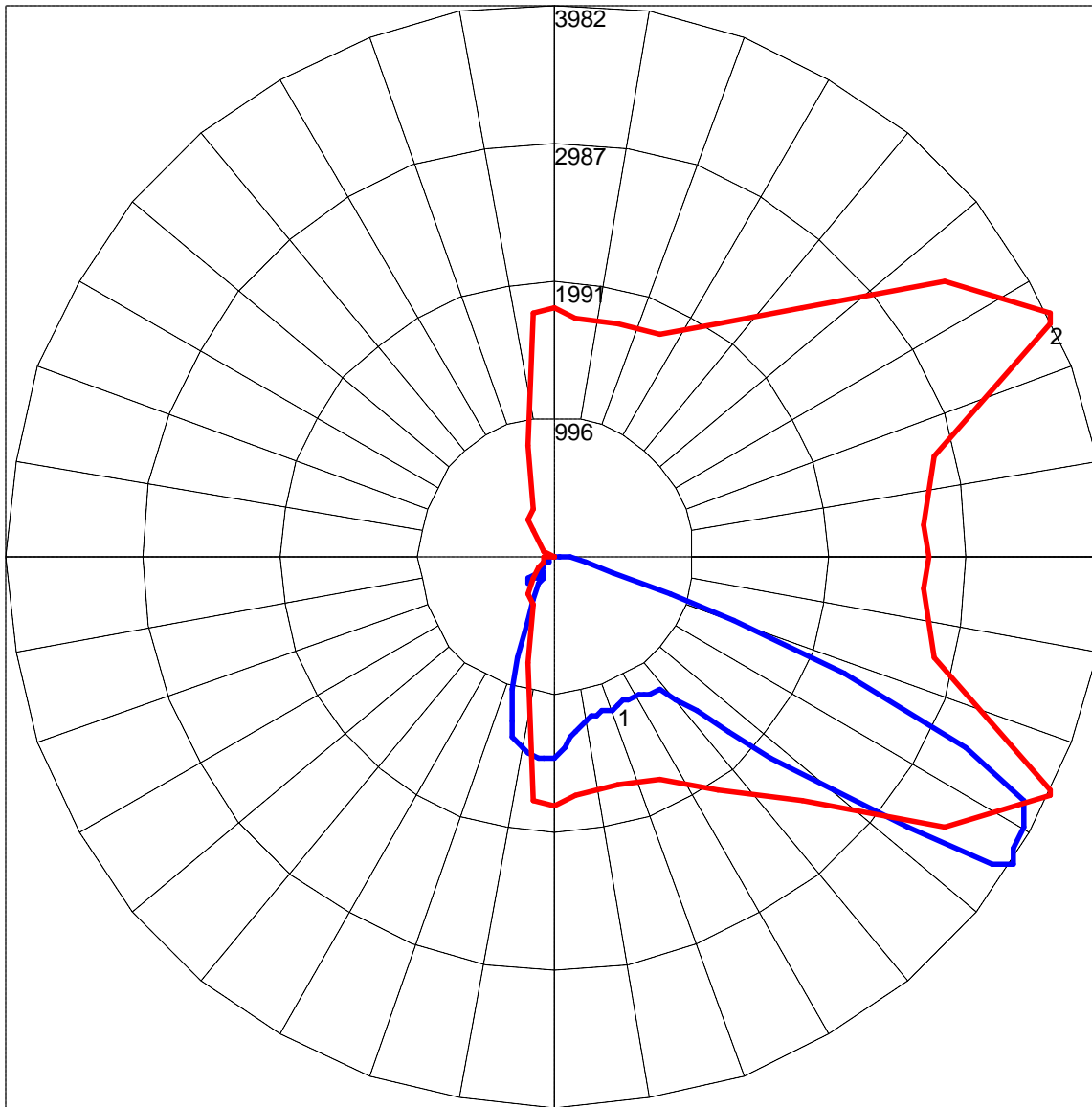
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

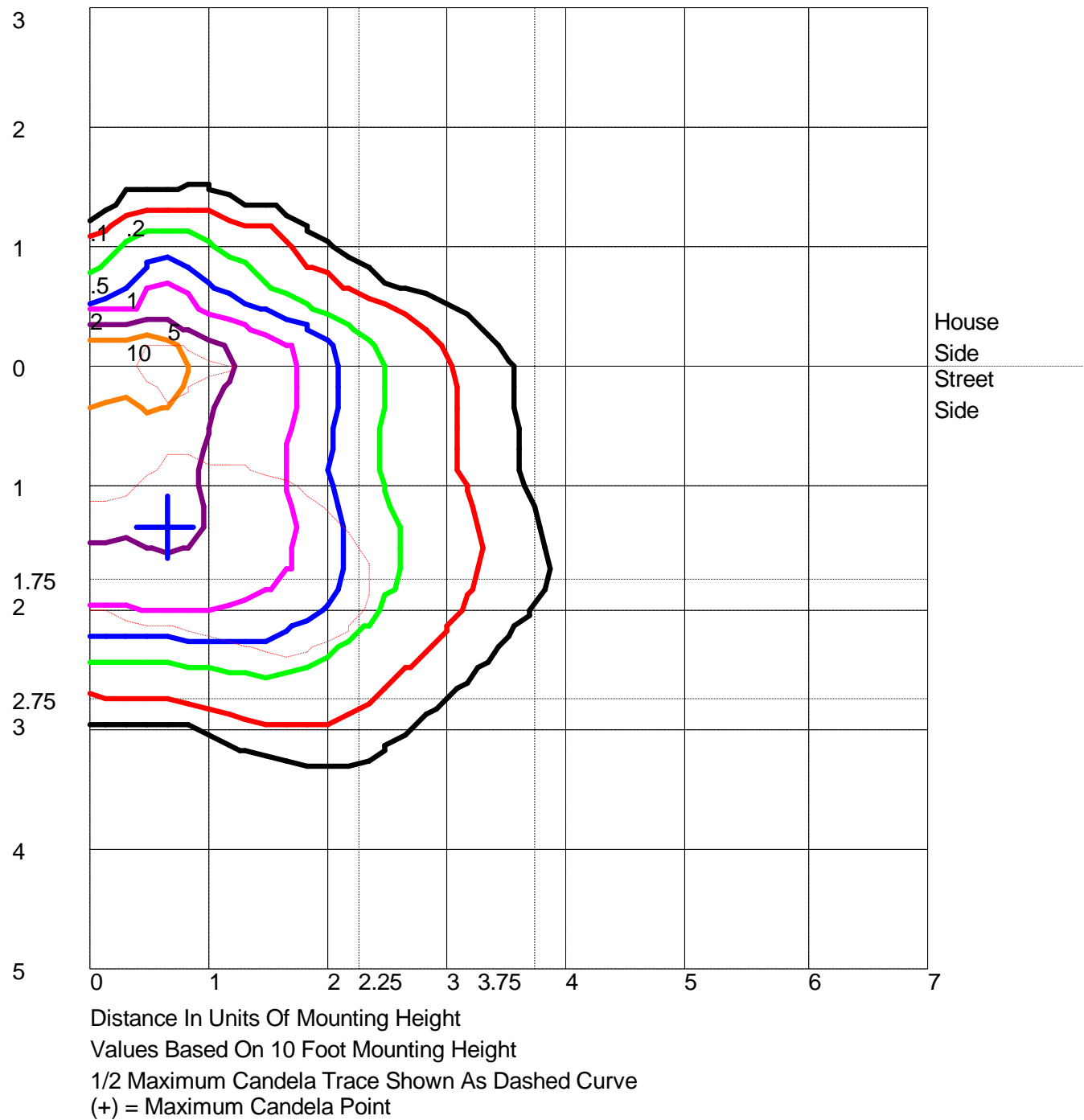
	Lumens	Percent Of Luminaire
Downward Street Side	4363.9	75.6
Downward House Side	1411.2	24.4
Downward Total	5775.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5775.1	100.0

POLAR GRAPH

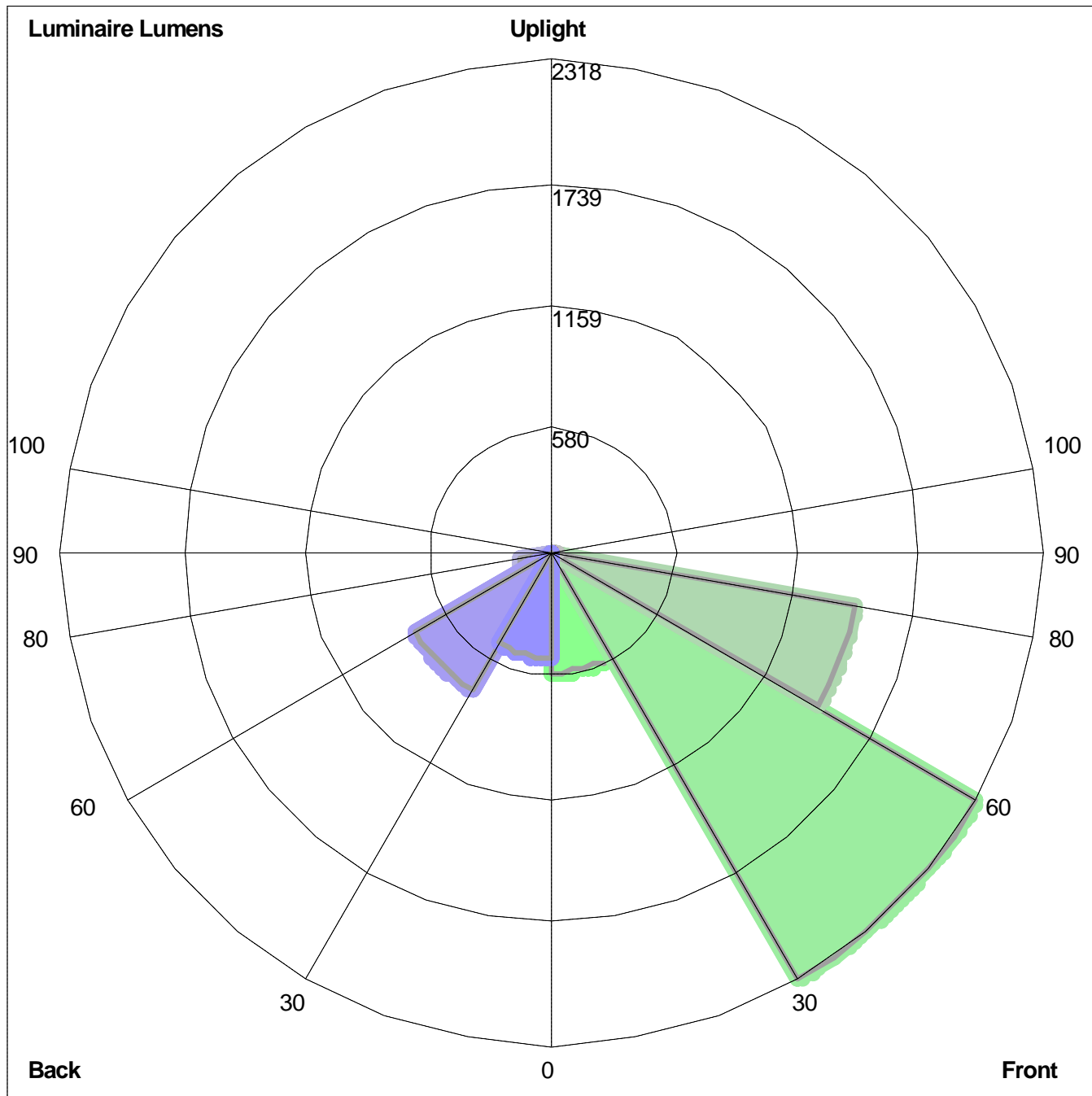


Maximum Candela = 3982 Located At Horizontal Angle = 26, Vertical Angle = 56
1 - Vertical Plane Through Horizontal Angles (26 - 206) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=568.9, Medium=2318.2, High=1450.2, Very High=26.6
Back: Low=498.5, Medium=745.5, High=160.9, Very High=6.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1