



IES ROAD REPORT

PHOTOMETRIC FILENAME : XENM3-PT-5-LED-HO-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4769
[TESTLAB]LSI INDUSTRIES, INC
[ISS DATE]11/22/13
[TESTDATE]11/22/13
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]XENM3-PT-5-LED-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE]LUMENS]7510
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7510
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	108
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2706
Maximum Candela Angle	47.5H 47.5V
Maximum Candela (<90 Degrees Vertical)	2706
Maximum Candela Angle (<90 Degrees Vertical)	47.5H 47.5V
Maximum Candela At 90 Degrees Vertical	6 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	602 (8.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	303.1	N.A.	4.0
FM - Front-Medium (30-60)	1933.2	N.A.	25.7
FH - Front-High (60-80)	1436.8	N.A.	19.1
FVH - Front-Very High (80-90)	76.6	N.A.	1.0
BL - Back-Low (0-30)	303.1	N.A.	4.0
BM - Back-Medium (30-60)	1933.2	N.A.	25.7
BH - Back-High (60-80)	1436.8	N.A.	19.1
BVH - Back-Very High (80-90)	76.6	N.A.	1.0
UL - Uplight-Low (90-100)	3.3	N.A.	0.0
UH - Uplight-High (100-180)	6.8	N.A.	0.1
Total	7509.5	N.A.	100.0
BUG Rating	B3-U1-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>47.5</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	187	187	187	187	187	187	187	187	187	187
2.5	192	190	190	188	188	186	185	185	186	187
5.0	230	228	222	220	221	219	218	215	210	204
7.5	363	348	327	327	316	285	280	255	241	224
10.0	453	430	424	438	429	407	451	370	318	277
12.5	489	470	485	541	573	573	609	492	414	336
15.0	526	504	556	633	700	697	730	643	534	430
17.5	537	530	607	759	854	818	823	798	662	517
20.0	546	536	638	804	938	1015	1050	941	841	661
22.5	549	541	678	869	979	1137	1121	1101	953	734
25.0	570	582	746	926	1044	1188	1150	1153	1004	820
27.5	581	593	776	962	1095	1205	1190	1178	1059	850
30.0	656	669	848	983	1121	1186	1195	1210	1127	1008
32.5	837	841	987	1055	1150	1150	1178	1216	1307	1240
35.0	1090	1110	1255	1269	1187	1158	1191	1305	1534	1648
37.5	1281	1310	1495	1456	1337	1192	1244	1492	1864	1993
40.0	1336	1371	1626	1594	1538	1396	1555	1779	2119	2049
42.5	1301	1362	1601	1673	1717	1765	1982	2022	2124	1933
45.0	1273	1347	1605	1700	1915	2230	2454	2128	2014	1839
47.5	1275	1368	1584	1660	2036	2559	2706	2164	1901	1771
50.0	1269	1320	1570	1590	2146	2561	2665	2236	1799	1704
52.5	1239	1283	1476	1591	2246	2382	2504	2271	1778	1629
55.0	1272	1303	1461	1677	2265	2202	2310	2232	1801	1582
57.5	1346	1378	1535	1873	2180	2050	2151	2111	1907	1653
60.0	1363	1391	1579	2074	2089	1921	1996	2032	2102	1789
62.5	1328	1338	1596	2108	2077	1873	1971	2063	2255	1900
65.0	1237	1308	1597	2001	2028	1963	2093	2121	2252	1786
67.5	1064	1171	1484	1737	1946	2119	2294	2098	1820	1449
70.0	1000	1067	1365	1428	1797	2117	2242	1723	1491	1357
72.5	868	935	1272	1283	1683	1667	1763	1545	1352	1248
75.0	661	708	1043	1114	1373	1331	1440	1368	1215	1064
77.5	400	469	766	862	925	1062	1179	1043	842	582
80.0	258	324	512	578	554	602	558	553	449	337
82.5	139	188	368	356	274	197	191	243	248	201
85.0	61	90	163	123	73	57	65	71	83	91
87.5	12	17	20	18	13	12	12	11	10	9
90.0	3	3	3	3	4	5	6	5	4	3
92.5	2	3	3	3	3	5	6	4	4	3
95.0	2	2	3	3	3	4	5	4	4	3
97.5	2	2	2	2	3	3	4	4	3	2
100.0	2	2	2	2	2	3	3	3	3	2
102.5	1	1	2	2	2	2	2	2	2	1
105.0	1	1	1	2	2	2	2	2	1	1
107.5	1	1	1	2	2	2	2	2	1	1
110.0	1	1	2	2	2	2	2	2	1	1
112.5	1	1	2	2	2	2	2	2	2	1
115.0	1	1	2	2	2	2	2	2	2	1
117.5	2	2	2	2	2	2	3	2	2	1
120.0	2	2	2	2	2	2	3	2	2	1
122.5	2	2	2	2	2	3	3	2	2	2
125.0	2	2	2	2	3	3	3	2	2	2
127.5	2	2	2	2	3	3	3	2	2	2
130.0	2	2	2	2	3	3	3	2	2	2

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CANDELA TABULATION - (Cont.)

132.5	2	2	2	3	3	3	3	3	2	2
135.0	2	2	2	2	3	3	3	2	2	2
137.5	1	1	1	1	2	2	1	1	1	1
140.0	0	0	1	1	1	1	1	1	0	0
142.5	0	0	0	0	1	1	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	1	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	1	0	0	1	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

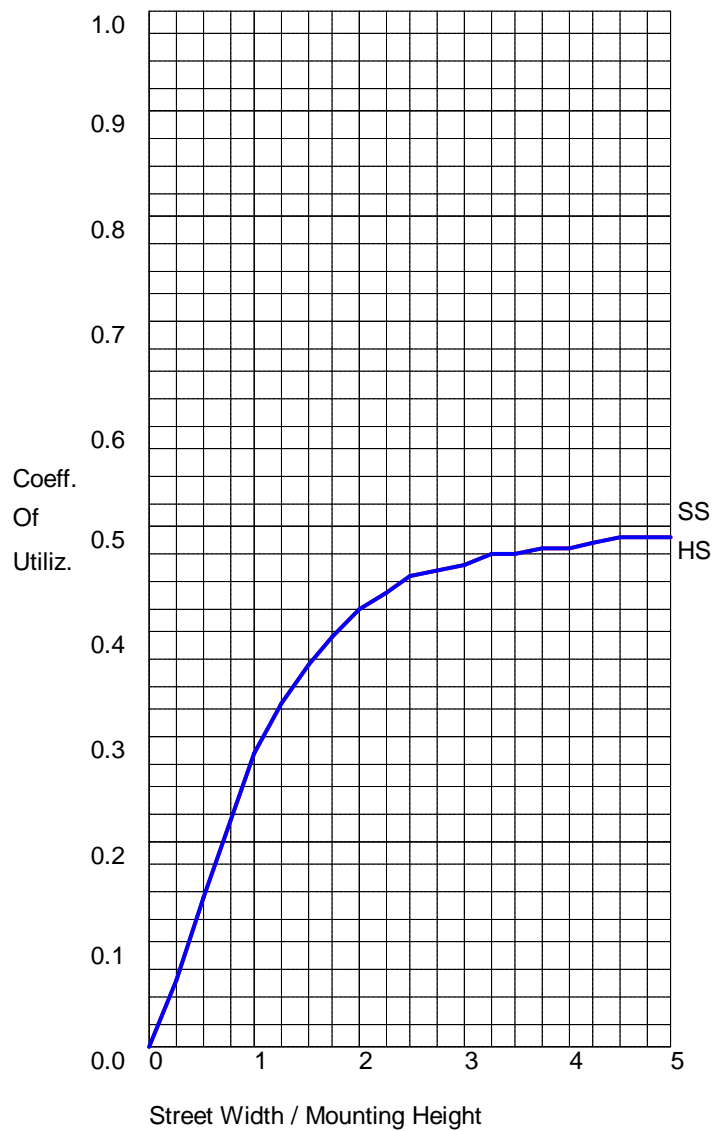
	<u>85.0</u>	<u>90.0</u>
0.0	187	187
2.5	189	189
5.0	199	198
7.5	209	210
10.0	249	245
12.5	284	278
15.0	339	322
17.5	382	367
20.0	495	469
22.5	596	585
25.0	682	672
27.5	677	671
30.0	848	840
32.5	1039	1028
35.0	1508	1476
37.5	1772	1732
40.0	1771	1719
42.5	1686	1619
45.0	1614	1544
47.5	1536	1467
50.0	1492	1407
52.5	1451	1370
55.0	1466	1395
57.5	1598	1526
60.0	1756	1698
62.5	1867	1804
65.0	1588	1513
67.5	1282	1229
70.0	1183	1144
72.5	1056	1011
75.0	807	761
77.5	360	308

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CANDELA TABULATION - (Cont.)

80.0	186	135
82.5	91	49
85.0	38	23
87.5	8	5
90.0	3	2
92.5	2	1
95.0	2	1
97.5	1	1
100.0	1	1
102.5	0	0
105.0	1	1
107.5	0	1
110.0	1	1
112.5	1	1
115.0	1	1
117.5	1	1
120.0	1	1
122.5	1	1
125.0	1	2
127.5	2	1
130.0	2	2
132.5	2	2
135.0	2	2
137.5	1	1
140.0	0	0
142.5	0	0
145.0	0	0
147.5	0	0
150.0	0	0
152.5	0	0
155.0	0	0
157.5	0	0
160.0	0	0
162.5	0	0
165.0	0	0
167.5	0	0
170.0	0	0
172.5	0	0
175.0	0	0
177.5	0	0
180.0	0	0

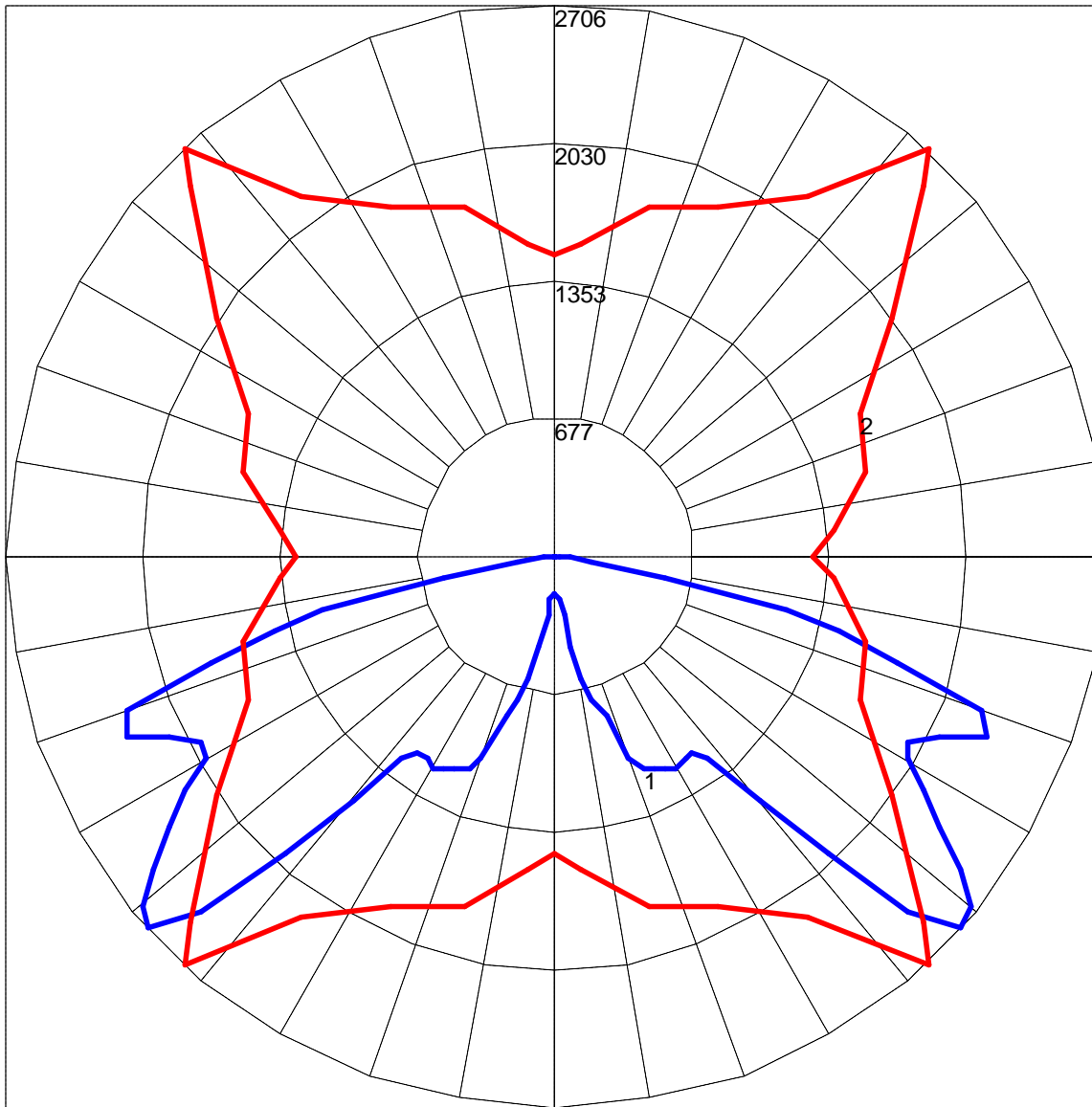
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

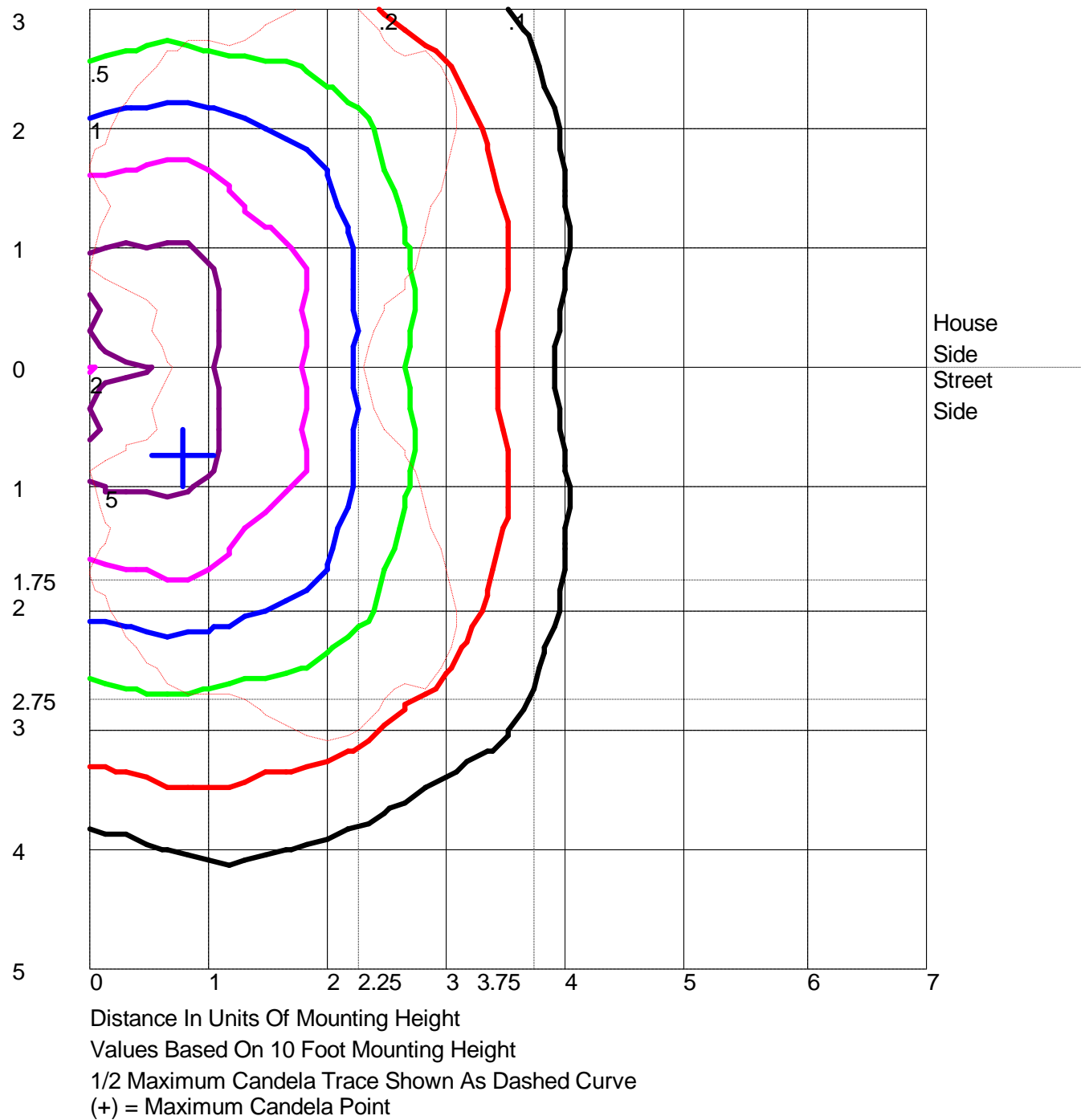
	Lumens	Percent Of Luminaire
Downward Street Side	3749.8	49.9
Downward House Side	3749.8	49.9
Downward Total	7499.6	99.9
Upward Street Side	5.0	0.1
Upward House Side	5.0	0.1
Upward Total	10.0	0.1
Total Flux	7509.6	100.0

POLAR GRAPH

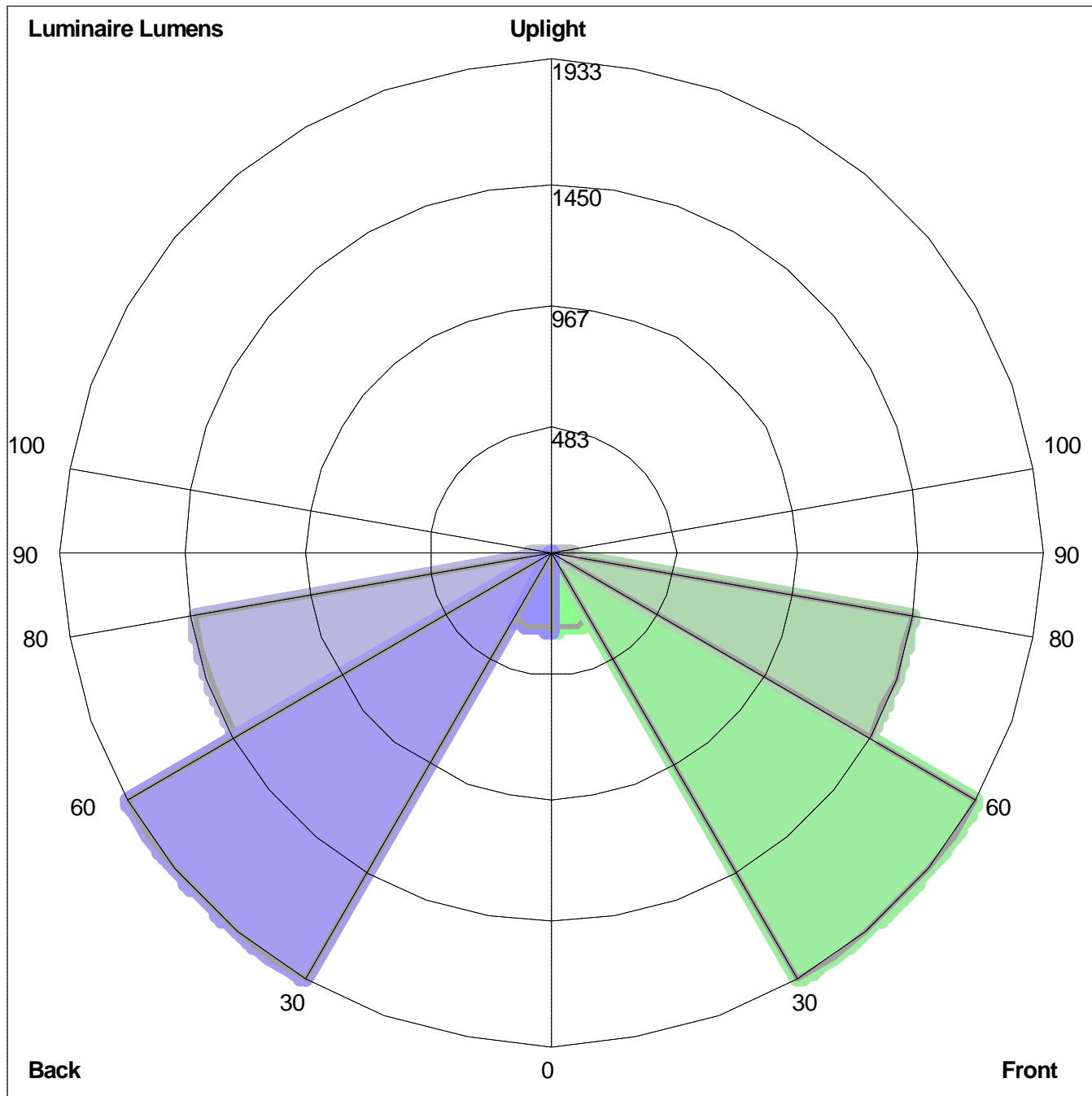


Maximum Candela = 2706 Located At Horizontal Angle = 47.5, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (47.5 - 227.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=303.1, Medium=1933.2, High=1436.8, Very High=76.6
Back: Low=303.1, Medium=1933.2, High=1436.8, Very High=76.6
Uplight: Low=3.3, High=6.8

BUG Rating : B3-U1-G1