



IES ROAD REPORT
PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5W-30-70CRI.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10493
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/23/2020
[TEST DATE] 08/07/18
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] EXN-EGLED-08L-T5W-30-70CRI
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7800
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2004
Maximum Candela Angle	90H 60V
Maximum Candela (<90 Degrees Vertical)	2004
Maximum Candela Angle (<90 Degrees Vertical)	90H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	784 (10.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	294.4	N.A.	3.8
FM - Front-Medium (30-60)	1860.9	N.A.	23.9
FH - Front-High (60-80)	1573.1	N.A.	20.2
FVH - Front-Very High (80-90)	171.6	N.A.	2.2
BL - Back-Low (0-30)	294.4	N.A.	3.8
BM - Back-Medium (30-60)	1860.9	N.A.	23.9
BH - Back-High (60-80)	1573.1	N.A.	20.2
BVH - Back-Very High (80-90)	171.6	N.A.	2.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	7800.0	N.A.	100.0
BUG Rating	B3-U0-G2		

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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>65</u>	<u>75</u>	<u>85</u>
0.0	344	344	344	344	344	344	344	344	344	344
2.5	345	345	345	345	345	345	345	345	345	344
5.0	358	358	358	357	357	358	358	358	358	358
7.5	382	382	383	383	382	382	382	381	382	382
10.0	415	416	417	418	417	416	415	414	415	416
12.5	461	462	463	464	463	461	460	460	461	463
15.0	518	518	521	521	520	517	517	517	518	518
17.5	586	589	590	589	588	587	585	584	589	588
20.0	664	668	669	666	666	667	664	663	666	665
22.5	755	755	756	754	754	754	750	752	753	753
25.0	850	850	851	850	850	848	846	848	847	849
27.5	954	950	950	950	950	947	948	950	946	948
30.0	1054	1054	1053	1051	1050	1047	1049	1050	1051	1048
32.5	1152	1155	1155	1152	1152	1152	1150	1148	1150	1147
35.0	1249	1251	1254	1255	1251	1250	1244	1243	1247	1247
37.5	1341	1343	1346	1351	1346	1342	1335	1334	1339	1343
40.0	1430	1431	1436	1440	1433	1428	1423	1422	1424	1428
42.5	1512	1513	1520	1522	1517	1510	1506	1503	1508	1512
45.0	1588	1592	1603	1604	1602	1595	1584	1581	1589	1595
47.5	1660	1667	1686	1685	1683	1680	1662	1660	1678	1679
50.0	1737	1744	1769	1767	1766	1768	1739	1741	1766	1765
52.5	1809	1816	1846	1844	1845	1848	1819	1821	1852	1849
55.0	1865	1875	1912	1914	1915	1916	1883	1885	1925	1925
57.5	1897	1913	1958	1962	1966	1966	1924	1928	1976	1981
60.0	1901	1920	1972	1977	1982	1983	1934	1941	1996	2002
62.5	1877	1896	1947	1953	1959	1961	1912	1920	1975	1980
65.0	1819	1836	1882	1891	1896	1897	1854	1863	1912	1920
67.5	1722	1736	1779	1791	1795	1795	1755	1765	1809	1818
70.0	1591	1599	1641	1652	1657	1654	1613	1619	1669	1678
72.5	1409	1427	1468	1477	1481	1481	1441	1445	1495	1498
75.0	1215	1221	1261	1268	1272	1277	1237	1246	1278	1285
77.5	996	998	1023	1032	1028	1031	1014	1022	1042	1038
80.0	758	757	770	768	769	774	771	776	784	776
82.5	514	511	507	502	516	517	522	525	523	516
85.0	282	280	267	270	276	281	281	287	273	274
87.5	86	83	83	84	84	84	86	83	85	86
90.0	0	0	0	0	0	0	0	0	0	0

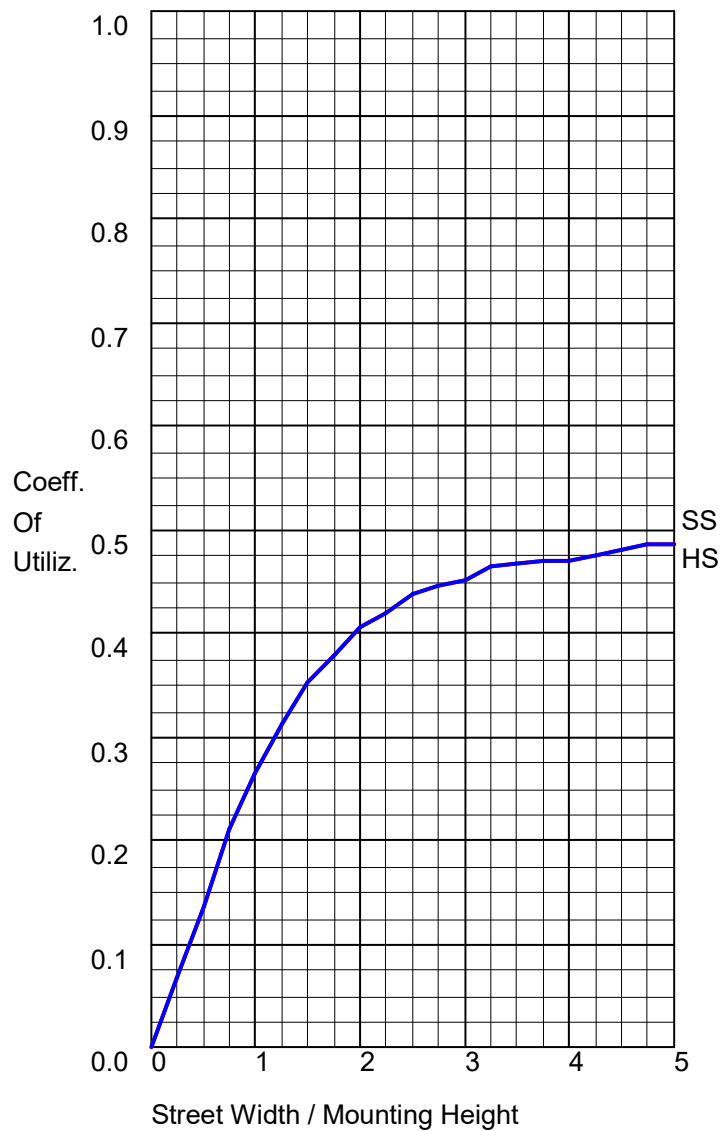
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	344
2.5	344
5.0	357
7.5	382
10.0	415
12.5	463
15.0	520
17.5	588
20.0	665
22.5	753
25.0	849
27.5	949

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CANDELA TABULATION - (Cont.)

30.0	1049
32.5	1149
35.0	1246
37.5	1342
40.0	1426
42.5	1512
45.0	1595
47.5	1678
50.0	1764
52.5	1848
55.0	1926
57.5	1983
60.0	2004
62.5	1981
65.0	1918
67.5	1820
70.0	1678
72.5	1498
75.0	1283
77.5	1042
80.0	771
82.5	506
85.0	272
87.5	85
90.0	0

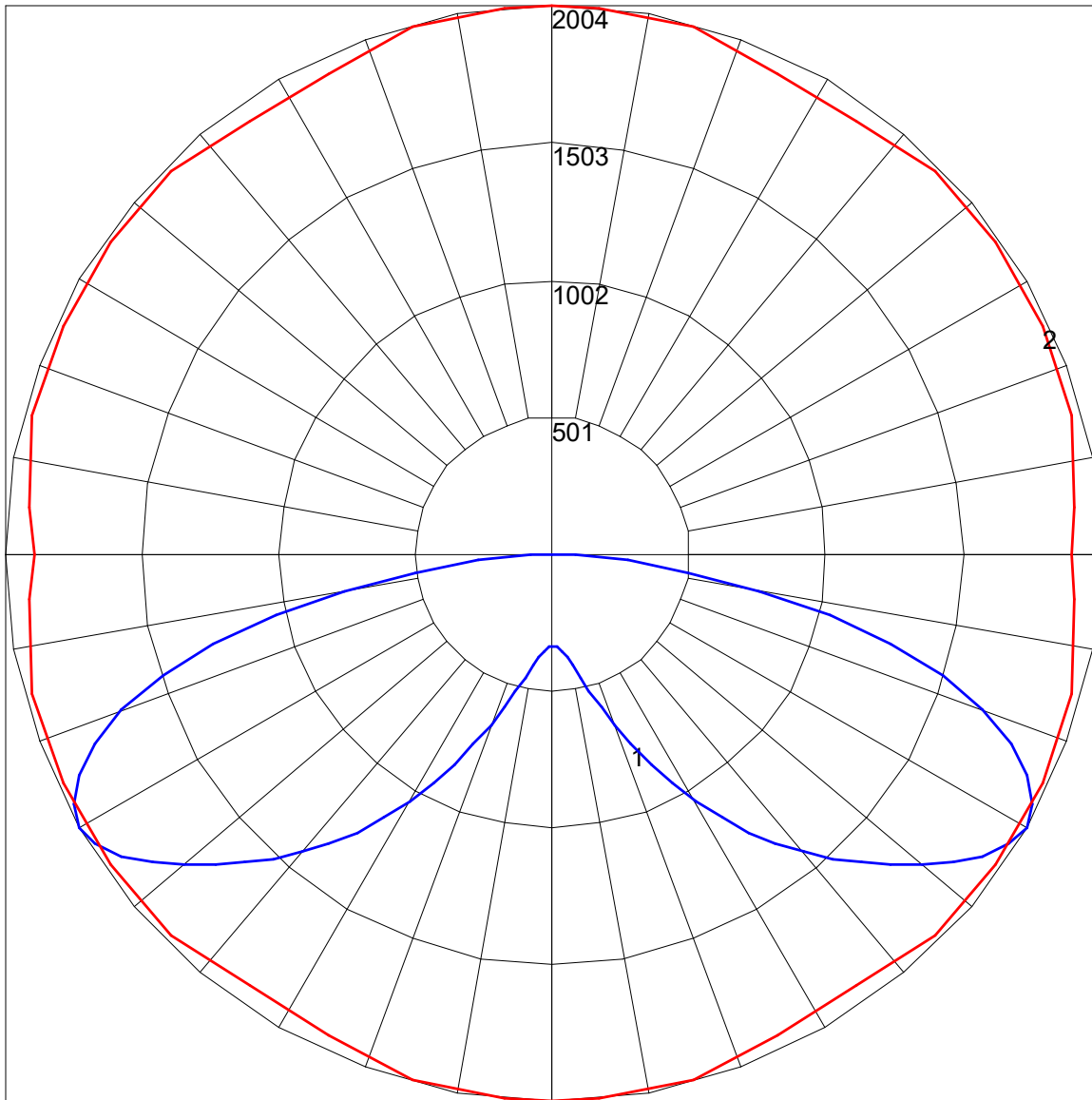
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

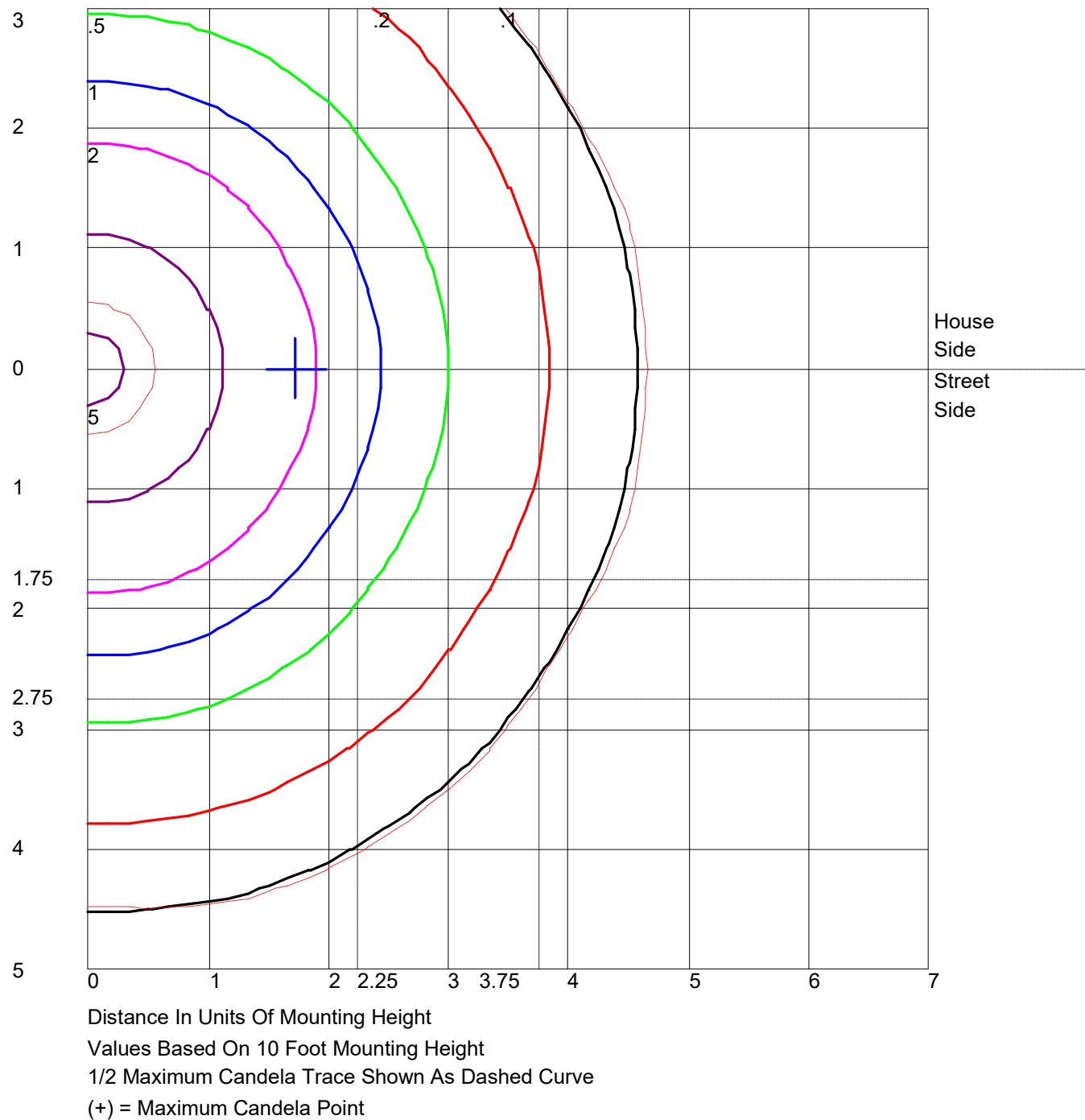
	Lumens	Percent Of Luminaire
Downward Street Side	3900.0	50.0
Downward House Side	3900.0	50.0
Downward Total	7800.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7800.0	100.0

POLAR GRAPH

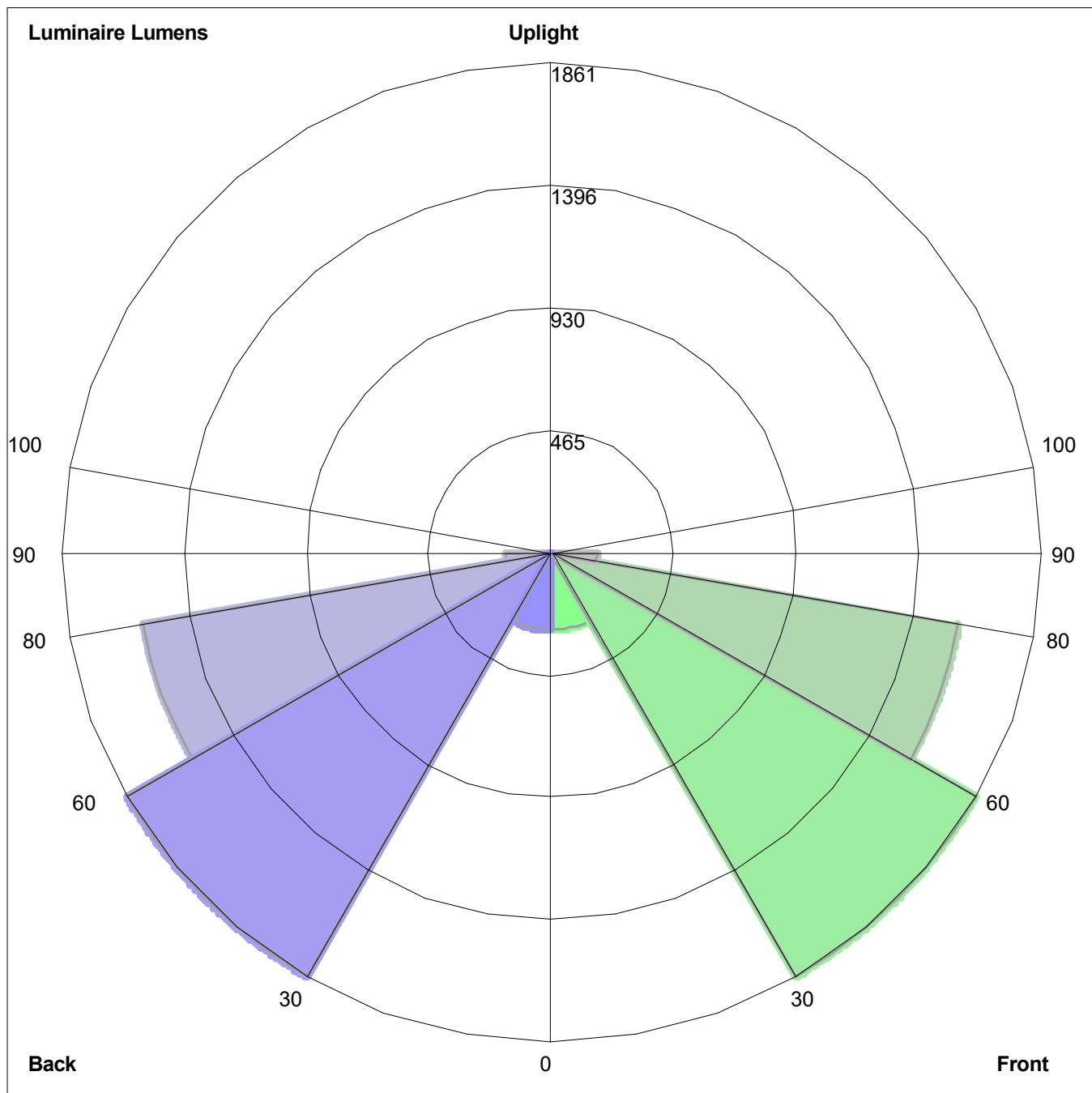


Maximum Candela = 2004 Located At Horizontal Angle = 90, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=294.4, Medium=1860.9, High=1573.1, Very High=171.6
Back: Low=294.4, Medium=1860.9, High=1573.1, Very High=171.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2