



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5N-30-70CRI.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-10477\_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 01/23/2020

[TEST DATE] 08/04/18

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] EXN-EGLED-08L-T5N-30-70CRI

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] SCALED FROM ORIGINAL TEST DATA

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[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	7950
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1881
Maximum Candela Angle	5H 47.5V
Maximum Candela (<90 Degrees Vertical)	1881
Maximum Candela Angle (<90 Degrees Vertical)	5H 47.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	581 (7.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	571.8	N.A.	7.2
FM - Front-Medium (30-60)	2068.8	N.A.	26.0
FH - Front-High (60-80)	1203.8	N.A.	15.1
FVH - Front-Very High (80-90)	130.6	N.A.	1.6
BL - Back-Low (0-30)	571.8	N.A.	7.2
BM - Back-Medium (30-60)	2068.8	N.A.	26.0
BH - Back-High (60-80)	1203.8	N.A.	15.1
BVH - Back-Very High (80-90)	130.6	N.A.	1.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	7950.0	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	1077	1077	1077	1077	1077	1077	1077	1077	1077	1077
2.5	1079	1079	1079	1079	1079	1078	1079	1079	1079	1079
5.0	1090	1089	1089	1089	1090	1089	1090	1090	1090	1090
7.5	1109	1109	1108	1108	1108	1110	1109	1109	1109	1109
10.0	1138	1138	1139	1138	1138	1138	1138	1139	1138	1139
12.5	1174	1174	1175	1176	1175	1175	1175	1175	1174	1175
15.0	1220	1220	1222	1222	1221	1221	1220	1220	1220	1221
17.5	1275	1276	1276	1277	1277	1276	1275	1275	1276	1277
20.0	1334	1336	1338	1338	1338	1337	1334	1334	1338	1338
22.5	1402	1404	1404	1404	1404	1405	1403	1404	1404	1405
25.0	1476	1475	1475	1475	1475	1476	1475	1478	1475	1475
27.5	1553	1550	1548	1548	1548	1549	1550	1551	1549	1548
30.0	1622	1620	1617	1617	1617	1619	1621	1620	1619	1617
32.5	1686	1686	1683	1682	1682	1683	1685	1685	1685	1682
35.0	1744	1744	1742	1739	1741	1743	1743	1743	1743	1742
37.5	1793	1793	1792	1790	1789	1790	1790	1790	1792	1792
40.0	1832	1832	1832	1830	1829	1829	1829	1830	1830	1830
42.5	1859	1860	1859	1859	1857	1857	1857	1858	1858	1859
45.0	1876	1878	1875	1874	1873	1871	1874	1874	1874	1874
47.5	1881	1881	1880	1875	1874	1875	1876	1878	1878	1876
50.0	1871	1869	1870	1864	1863	1864	1863	1863	1868	1865
52.5	1844	1843	1844	1839	1837	1838	1834	1835	1840	1840
55.0	1804	1802	1803	1798	1795	1795	1793	1795	1799	1799
57.5	1748	1747	1747	1742	1737	1737	1738	1739	1742	1743
60.0	1672	1675	1672	1667	1663	1665	1665	1668	1671	1670
62.5	1579	1586	1584	1577	1574	1575	1576	1579	1581	1580
65.0	1475	1483	1473	1468	1470	1470	1472	1475	1474	1470
67.5	1362	1362	1356	1349	1347	1347	1352	1356	1354	1352
70.0	1229	1227	1227	1219	1216	1220	1221	1221	1226	1222
72.5	1080	1078	1084	1079	1077	1077	1067	1065	1084	1083
75.0	925	912	926	931	928	918	902	905	921	933
77.5	755	734	749	766	760	744	730	731	744	768
80.0	581	558	563	572	579	558	557	559	562	581
82.5	405	389	376	392	395	381	389	389	380	391
85.0	235	222	211	221	221	214	222	226	214	221
87.5	76	72	69	71	71	70	74	76	70	72
90.0	0	0	0	0	0	0	0	0	0	0

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

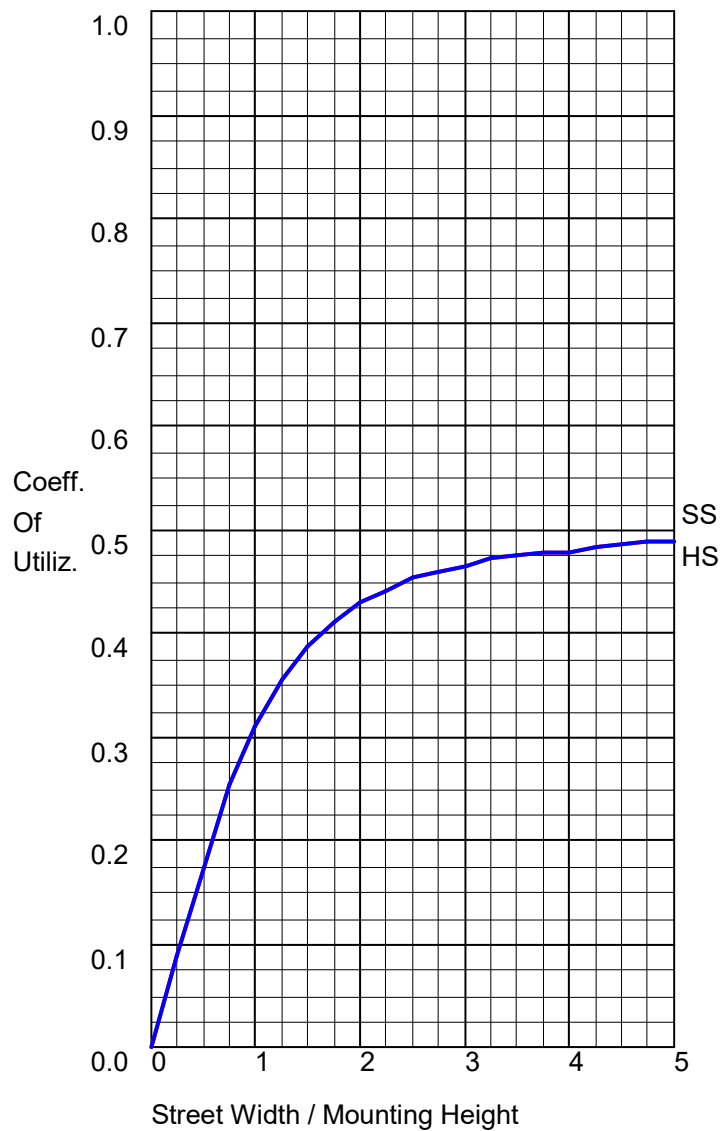
	<u>90</u>
0.0	1077
2.5	1080
5.0	1089
7.5	1108
10.0	1136
12.5	1174
15.0	1224
17.5	1277
20.0	1339
22.5	1405
25.0	1475
27.5	1546

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	1617
<b>32.5</b>	1682
<b>35.0</b>	1739
<b>37.5</b>	1790
<b>40.0</b>	1830
<b>42.5</b>	1859
<b>45.0</b>	1874
<b>47.5</b>	1874
<b>50.0</b>	1863
<b>52.5</b>	1838
<b>55.0</b>	1797
<b>57.5</b>	1737
<b>60.0</b>	1661
<b>62.5</b>	1567
<b>65.0</b>	1463
<b>67.5</b>	1346
<b>70.0</b>	1210
<b>72.5</b>	1059
<b>75.0</b>	896
<b>77.5</b>	729
<b>80.0</b>	561
<b>82.5</b>	375
<b>85.0</b>	214
<b>87.5</b>	74
<b>90.0</b>	0

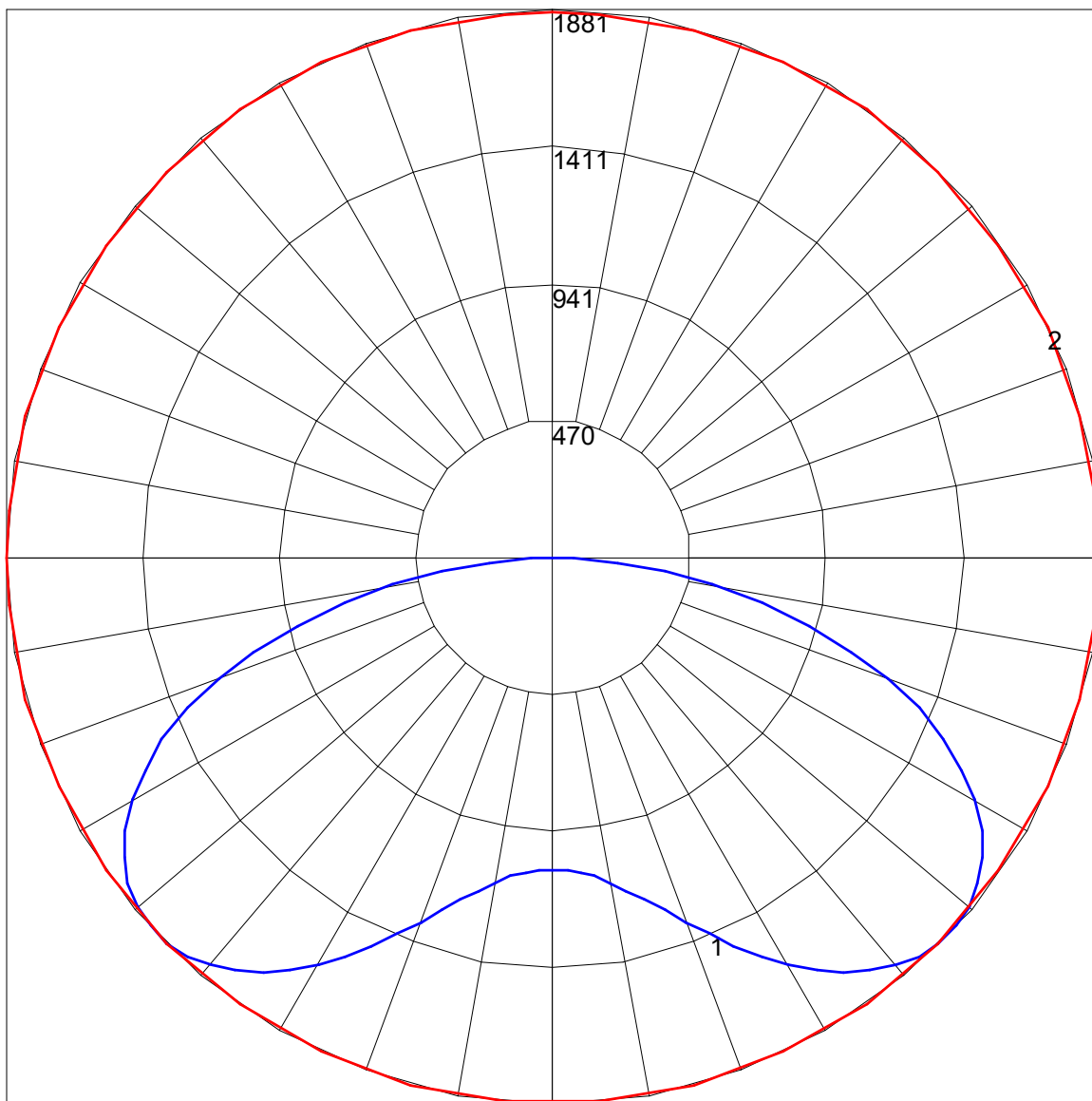
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

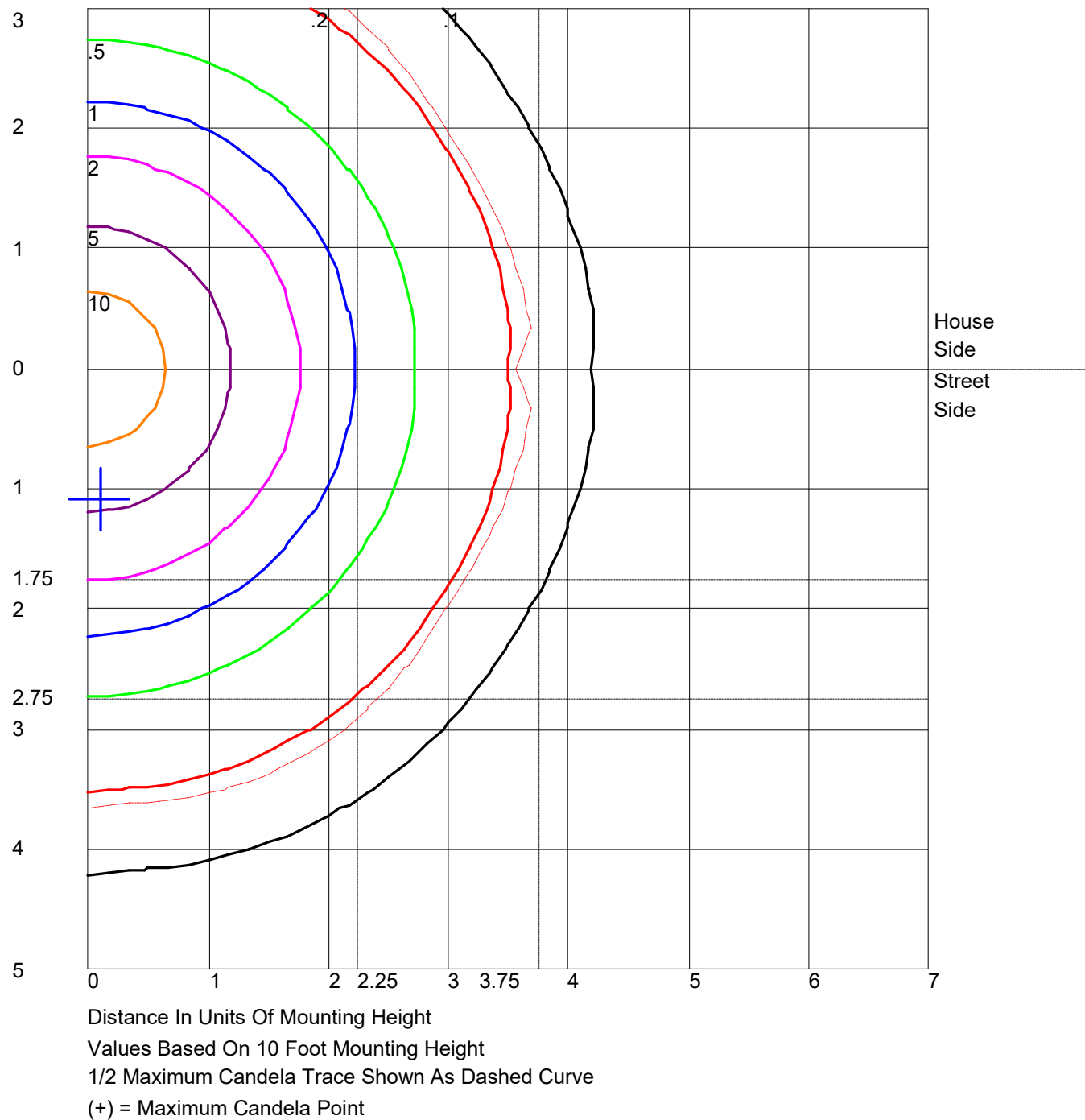
	Lumens	Percent Of Luminaire
Downward Street Side	3975.0	50.0
Downward House Side	3975.0	50.0
Downward Total	7950.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7950.0	100.0

POLAR GRAPH

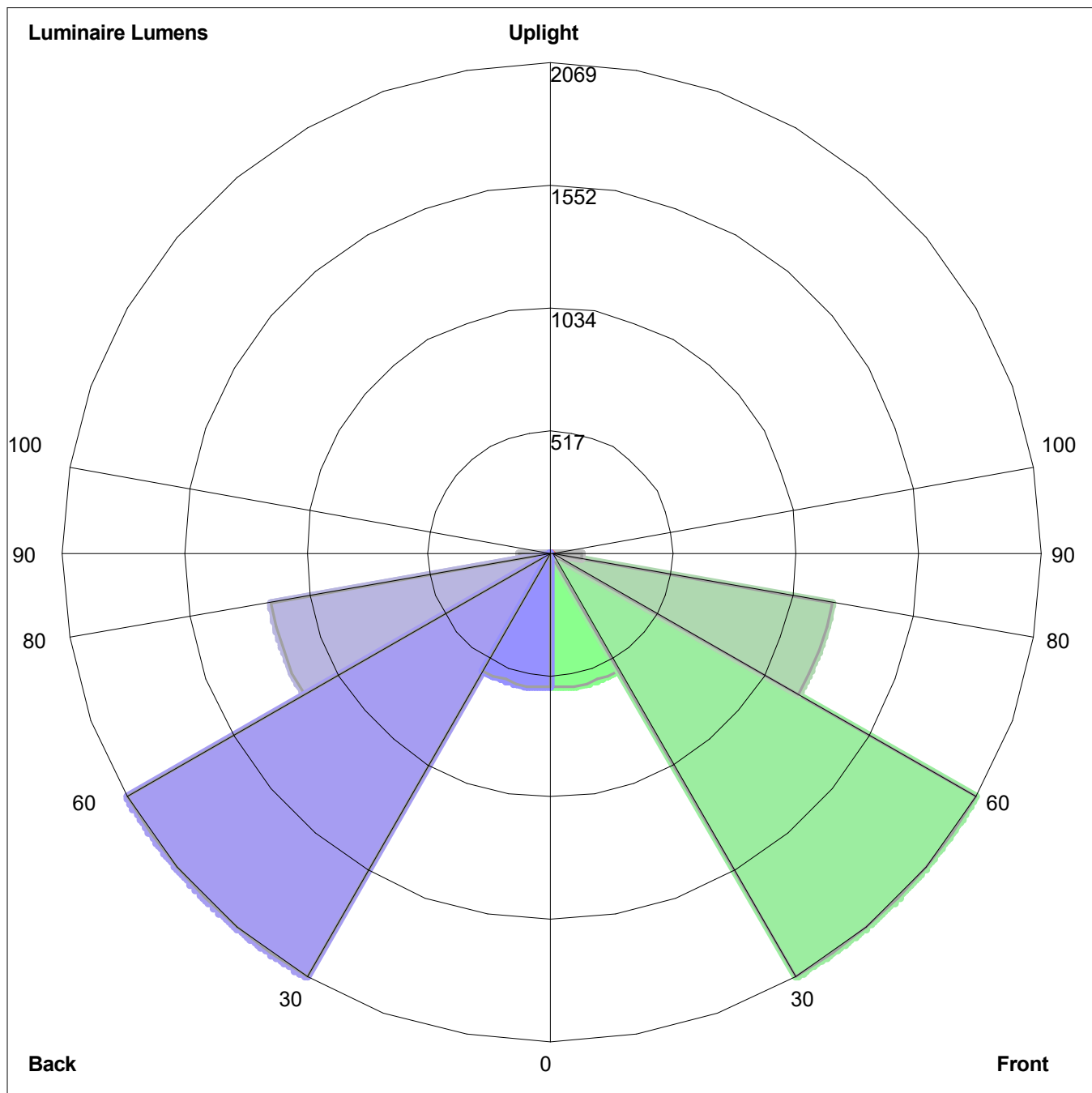


Maximum Candela = 1881 Located At Horizontal Angle = 5, Vertical Angle = 47.5  
# 1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=571.8, Medium=2068.8, High=1203.8, Very High=130.6  
Back: Low=571.8, Medium=2068.8, High=1203.8, Very High=130.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2