



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WPSLL-04L-30.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3209\_scaled  
[TESTLAB] TUV SUD America  
[TESTDATE] 6/26/2017 1:53:38 PM  
[ISSUE DATE] 12/18/2019  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] WPSLL-04L-30  
[OTHER] TEST PROCEDURE: IESNA  
[ ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[ SEARCH\_SOURCETYPE] LED  
[ SEARCH\_APPLICATION] Outdoor

### CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4147
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2173
Maximum Candela Angle	360H 25V
Maximum Candela (<90 Degrees Vertical)	2173
Maximum Candela Angle (<90 Degrees Vertical)	360H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	36 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	807.1	N.A.	19.5
FM - Front-Medium (30-60)	1781.4	N.A.	43.0
FH - Front-High (60-80)	427.4	N.A.	10.3
FVH - Front-Very High (80-90)	2.3	N.A.	0.1
BL - Back-Low (0-30)	490.6	N.A.	11.8
BM - Back-Medium (30-60)	513.3	N.A.	12.4
BH - Back-High (60-80)	120.0	N.A.	2.9
BVH - Back-Very High (80-90)	5.0	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	4147.1	N.A.	100.0
BUG Rating	B1-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>0.0</u></b>	<b><u>22.5</u></b>	<b><u>45.0</u></b>	<b><u>67.5</u></b>	<b><u>90.0</u></b>	<b><u>112.5</u></b>	<b><u>135.0</u></b>	<b><u>157.5</u></b>	<b><u>180.0</u></b>	<b><u>202.5</u></b>
<b>0.0</b>	1722	1722	1722	1722	1722	1722	1722	1722	1722	1722
<b>2.5</b>	1759	1793	1779	1757	1729	1701	1676	1656	1603	1656
<b>5.0</b>	1829	1856	1825	1777	1722	1666	1615	1579	1518	1579
<b>7.5</b>	1897	1915	1867	1792	1709	1623	1548	1498	1430	1498
<b>10.0</b>	1958	1967	1903	1803	1691	1577	1477	1414	1339	1414
<b>12.5</b>	2010	2011	1934	1811	1669	1525	1404	1326	1244	1326
<b>15.0</b>	2057	2051	1960	1814	1642	1469	1326	1235	1145	1235
<b>17.5</b>	2104	2089	1983	1813	1609	1409	1246	1139	1021	1139
<b>20.0</b>	2143	2119	2003	1807	1571	1343	1161	1025	868	1025
<b>22.5</b>	2164	2135	2022	1795	1528	1275	1075	886	704	886
<b>25.0</b>	2173	2139	2033	1778	1479	1202	975	735	560	735
<b>27.5</b>	2167	2126	2033	1756	1426	1126	861	597	497	597
<b>30.0</b>	2130	2097	2022	1731	1368	1046	739	507	460	507
<b>32.5</b>	2101	2062	1999	1702	1303	962	626	466	406	466
<b>35.0</b>	2069	2027	1962	1671	1235	878	522	420	359	420
<b>37.5</b>	2029	1987	1914	1634	1161	794	459	370	333	370
<b>40.0</b>	1975	1935	1857	1587	1085	710	421	334	322	334
<b>42.5</b>	1935	1887	1798	1528	1003	623	378	315	314	315
<b>45.0</b>	1906	1847	1730	1458	920	538	330	305	304	305
<b>47.5</b>	1876	1808	1652	1378	833	461	292	295	290	295
<b>50.0</b>	1844	1767	1574	1283	743	400	271	282	273	282
<b>52.5</b>	1807	1719	1495	1177	653	356	257	266	253	266
<b>55.0</b>	1762	1660	1416	1063	563	320	244	246	231	246
<b>57.5</b>	1697	1576	1332	950	475	279	228	224	208	224
<b>60.0</b>	1498	1409	1243	839	389	233	209	201	185	201
<b>62.5</b>	1170	1135	1143	728	312	190	187	178	161	178
<b>65.0</b>	815	802	1015	618	246	155	163	154	138	154
<b>67.5</b>	473	473	825	503	197	134	138	130	115	130
<b>70.0</b>	208	218	566	372	157	112	114	108	94	108
<b>72.5</b>	89	86	306	254	118	90	90	86	74	86
<b>75.0</b>	37	35	120	169	82	67	68	66	55	66
<b>77.5</b>	16	14	36	91	49	46	49	48	37	48
<b>80.0</b>	9	7	11	36	24	29	32	31	21	31
<b>82.5</b>	4	3	4	11	9	15	17	17	10	17
<b>85.0</b>	1	1	1	3	3	6	7	7	3	7
<b>87.5</b>	0	0	0	1	1	2	2	2	1	2
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

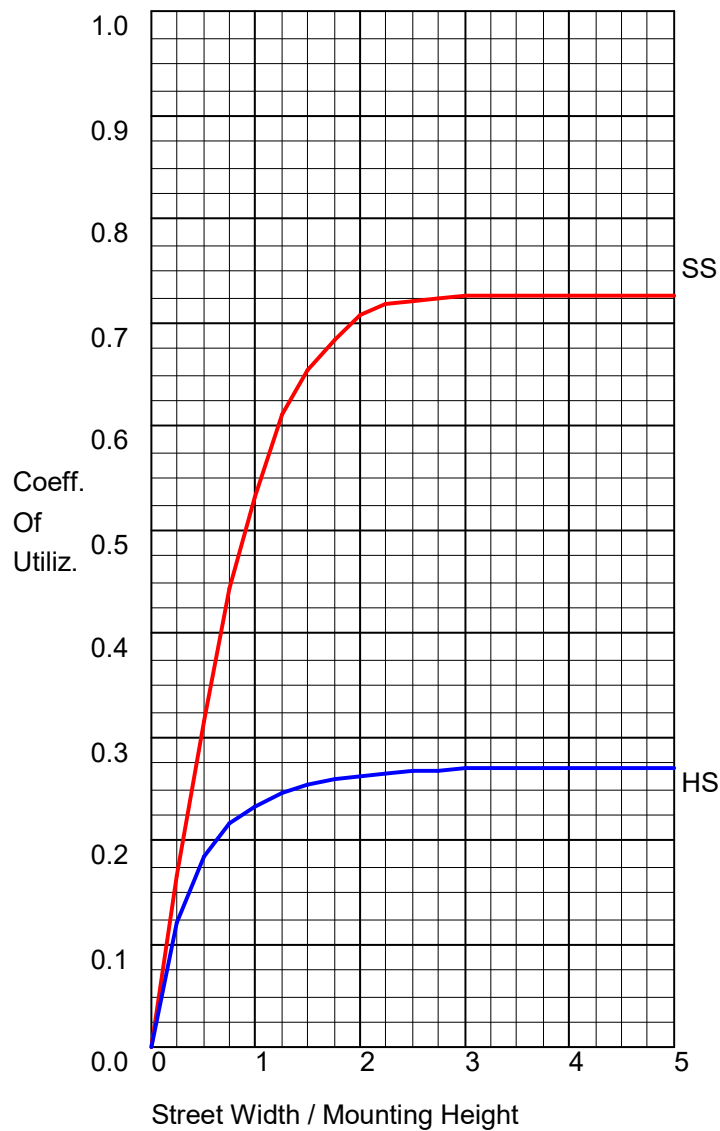
<b>Vert. Angles</b>	<b>Horizontal Angles</b>						
	<b><u>225.0</u></b>	<b><u>247.5</u></b>	<b><u>270.0</u></b>	<b><u>292.5</u></b>	<b><u>315.0</u></b>	<b><u>337.5</u></b>	<b><u>360.0</u></b>
<b>0.0</b>	1722	1722	1722	1722	1722	1722	1722
<b>2.5</b>	1676	1701	1729	1757	1779	1793	1759
<b>5.0</b>	1615	1666	1722	1777	1825	1856	1829
<b>7.5</b>	1548	1623	1709	1792	1867	1915	1897
<b>10.0</b>	1477	1577	1691	1803	1903	1967	1958
<b>12.5</b>	1404	1525	1669	1811	1934	2011	2010
<b>15.0</b>	1326	1469	1642	1814	1960	2051	2057
<b>17.5</b>	1246	1409	1609	1813	1983	2089	2104
<b>20.0</b>	1161	1343	1571	1807	2003	2119	2143
<b>22.5</b>	1075	1275	1528	1795	2022	2135	2164
<b>25.0</b>	975	1202	1479	1778	2033	2139	2173
<b>27.5</b>	861	1126	1426	1756	2033	2126	2167

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	739	1046	1368	1731	2022	2097	2130
<b>32.5</b>	626	962	1303	1702	1999	2062	2101
<b>35.0</b>	522	878	1235	1671	1962	2027	2069
<b>37.5</b>	459	794	1161	1634	1914	1987	2029
<b>40.0</b>	421	710	1085	1587	1857	1935	1975
<b>42.5</b>	378	623	1003	1528	1798	1887	1935
<b>45.0</b>	330	538	920	1458	1730	1847	1906
<b>47.5</b>	292	461	833	1378	1652	1808	1876
<b>50.0</b>	271	400	743	1283	1574	1767	1844
<b>52.5</b>	257	356	653	1177	1495	1719	1807
<b>55.0</b>	244	320	563	1063	1416	1660	1762
<b>57.5</b>	228	279	475	950	1332	1576	1697
<b>60.0</b>	209	233	389	839	1243	1409	1498
<b>62.5</b>	187	190	312	728	1143	1135	1170
<b>65.0</b>	163	155	246	618	1015	802	815
<b>67.5</b>	138	134	197	503	825	473	473
<b>70.0</b>	114	112	157	372	566	218	208
<b>72.5</b>	90	90	118	254	306	86	89
<b>75.0</b>	68	67	82	169	120	35	37
<b>77.5</b>	49	46	49	91	36	14	16
<b>80.0</b>	32	29	24	36	11	7	9
<b>82.5</b>	17	15	9	11	4	3	4
<b>85.0</b>	7	6	3	3	1	1	1
<b>87.5</b>	2	2	1	1	0	0	0
<b>90.0</b>	0	0	0	0	0	0	0

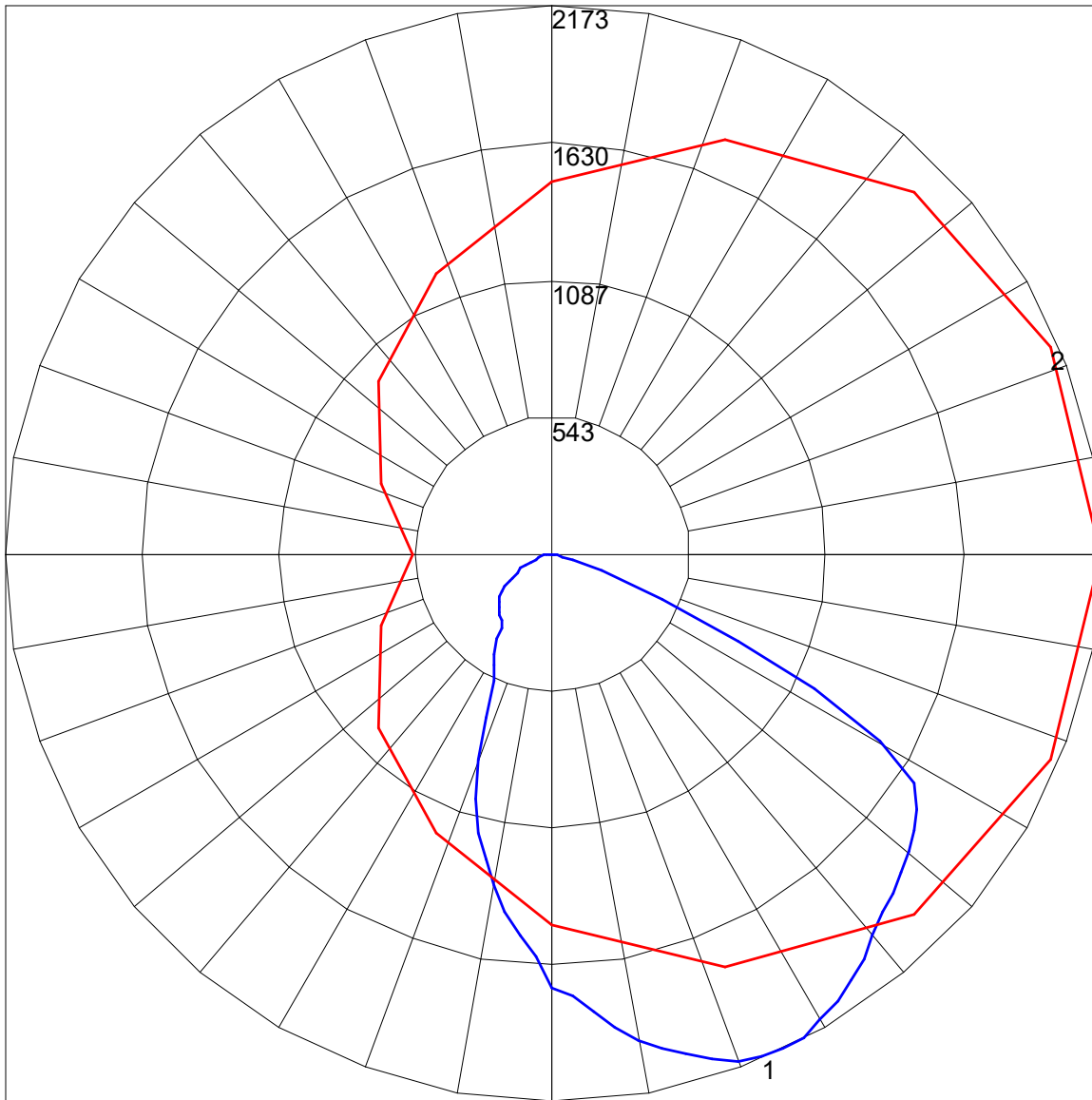
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

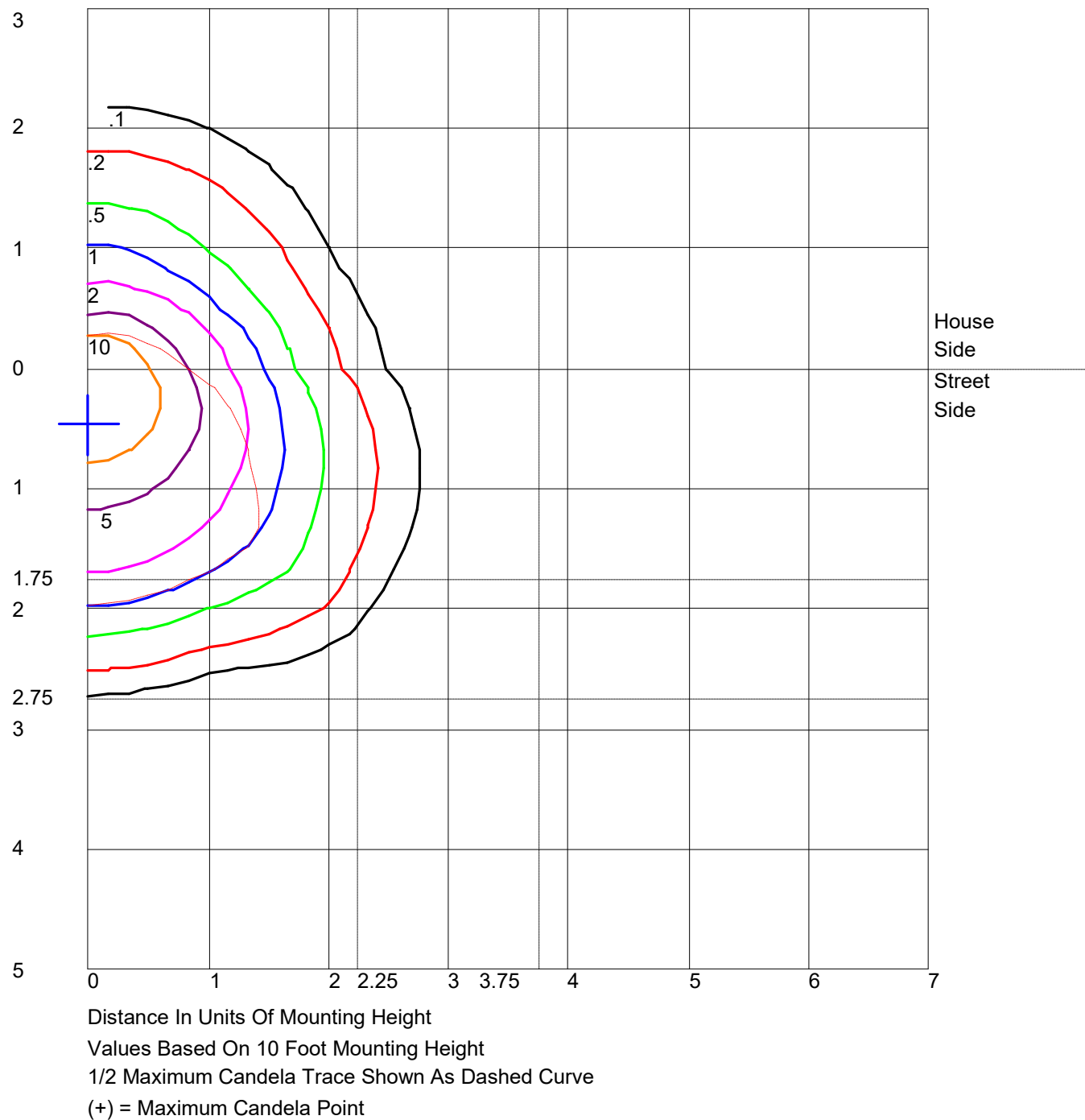
	Lumens	Percent Of Luminaire
Downward Street Side	3018.2	72.8
Downward House Side	1128.8	27.2
Downward Total	4147.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4147.0	100.0

POLAR GRAPH

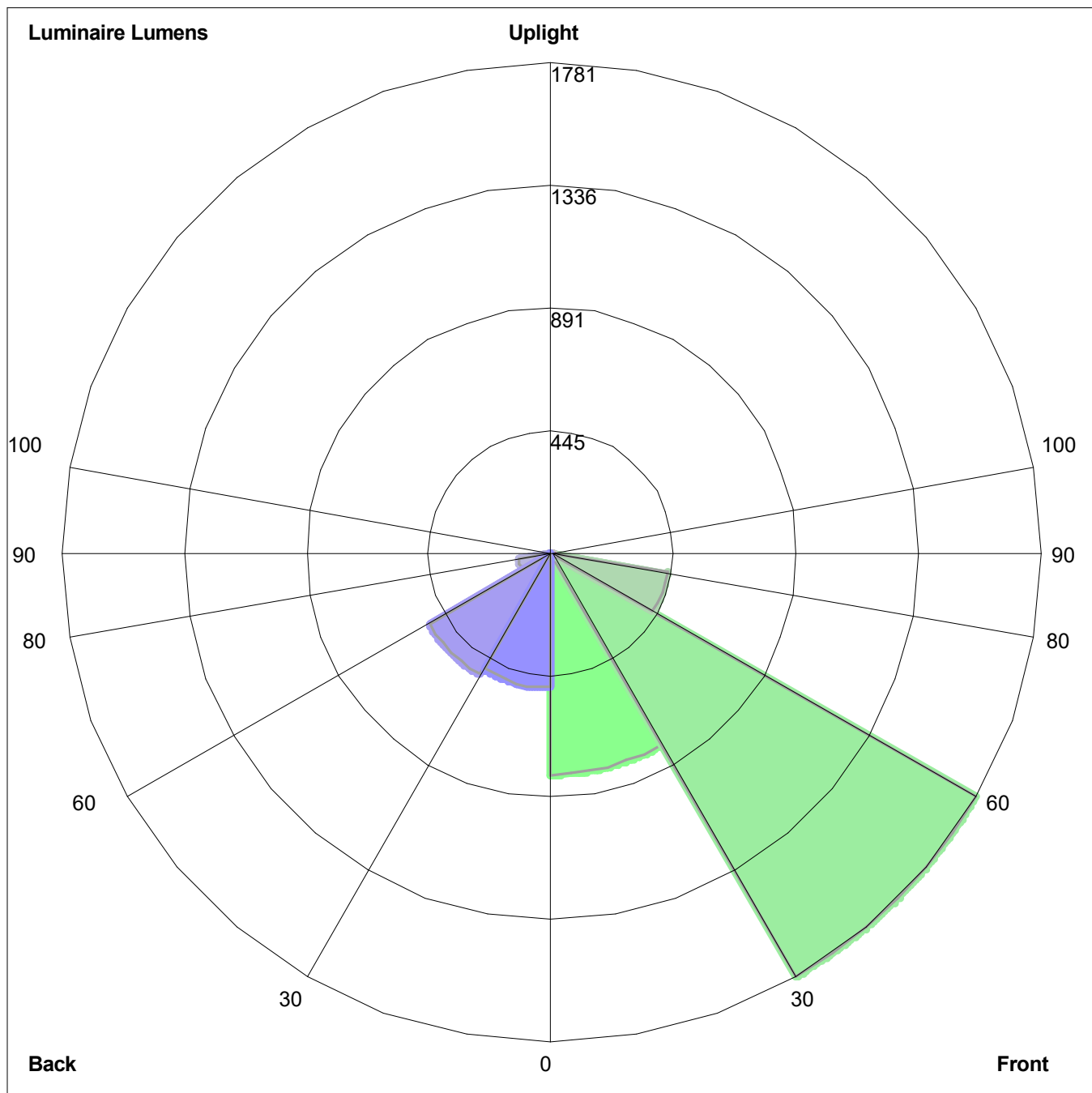


Maximum Candela = 2173 Located At Horizontal Angle = 360, Vertical Angle = 25  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=807.1, Medium=1781.4, High=427.4, Very High=2.3  
Back: Low=490.6, Medium=513.3, High=120.0, Very High=5.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1