IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-SLW-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12155
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/19/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-SC-SLW-50
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_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	5955
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1917
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	1917
Maximum Candela Angle (<90 Degrees Vertical)	0H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	162 (2.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	777.5	N.A.	13.1
FM - Front-Medium (30-60)	1605.0	N.A.	27.0
FH - Front-High (60-80)	564.1	N.A.	9.5
FVH - Front-Very High (80-90)	30.8	N.A.	0.5
BL - Back-Low (0-30)	777.5	N.A.	13.1
BM - Back-Medium (30-60)	1605.0	N.A.	27.0
BH - Back-High (60-80)	564.1	N.A.	9.5
BVH - Back-Very High (80-90)	30.8	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5954.8	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905
2.5	1905	1906	1910	1906	1909	1907	1905	1910	1908	1903
5.0	1917	1906	1910	1904	1908	1911	1910	1907	1901	1906
7.5	1915	1903	1906	1906	1907	1912	1902	1907	1906	1902
10.0	1905	1902	1898	1906	1900	1911	1905	1897	1903	1896
12.5	1903	1893	1894	1894	1896	1896	1904	1895	1890	1890
15.0	1894	1882	1883	1891	1890	1881	1890	1886	1881	1882
17.5	1874	1873	1871	1875	1878	1870	1873	1878	1873	1870
20.0	1866	1862	1861	1864	1864	1858	1860	1857	1861	1856
22.5	1846	1843	1843	1840	1843	1839	1844	1843	1843	1835
25.0	1817	1821	1819	1822	1825	1819	1827	1827	1815	1818
27.5	1798	1794	1794	1792	1796	1796	1795	1795	1791	1793
30.0	1763	1760	1756	1761	1768	1759	1759	1763	1764	1752
32.5	1722	1720	1719	1724	1729	1723	1719	1724	1725	1721
35.0	1688	1682	1680	1679	1682	1680	1677	1680	1681	1685
37.5	1630	1633	1634	1632	1630	1634	1630	1633	1639	1635
40.0	1578	1582	1580	1580	1576	1582	1578	1581	1585	1578
42.5	1521	1526	1521	1526	1526	1525	1521	1523	1527	1520
45.0	1458	1461	1463	1466	1463	1458	1457	1457	1462	1459
47.5	1398	1394	1392	1393	1391	1390	1386	1396	1391	1393
50.0	1317	1322	1322	1321	1323	1318	1316	1323	1319	1317
52.5	1244	1246	1241	1239	1242	1241	1242	1244	1241	1239
55.0	1163	1165	1158	1156	1158	1160	1162	1162	1160	1154
57.5	1078	1075	1070	1071	1071	1074	1073	1075	1066	1061
60.0	978	980	977	981	979	983	983	979	978	967
62.5	878	877	879	883	883	882	884	880	880	872
65.0	762	770	777	780	782	777	776	774	778	773
67.5	655	660	670	675	672	665	670	668	665	659
70.0	538	541	551	560	562	556	561	557	550	539
72.5	438	439	438	437	448	445	446	440	442	437
75.0	342	343	340	338	339	335	340	342	342	343
77.5	244	249	247	245	244	235	249	251	250	246
80.0	156	162	161	157	160	160	161	155	162	160
82.5	85	93	95	92	92	85	90	91	94	94
85.0	38	40	42	43	40	40	40	42	42	44
87.5	14	14	14	14	14	14	14	15	15	15
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	1905
2.5	1913
5.0	1903
7.5	1908
10.0	1896
12.5	1897
15.0	1880
17.5	1876
20.0	1860
22.5	1842
25.0	1814
27.5	1794

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CANDELA TABULATION - (Cont.)

30.0	1757
32.5	1719
35.0	1682
37.5	1627
40.0	1582
42.5	1518
45.0	1463
47.5	1395
50.0	1319
52.5	1236
55.0	1153
57.5	1061
60.0	967
62.5	874
65.0	768
67.5	656
70.0	537
72.5	440
75.0	336
77.5	239
80.0	152
82.5	89
85.0	41
87.5	15
90.0	0

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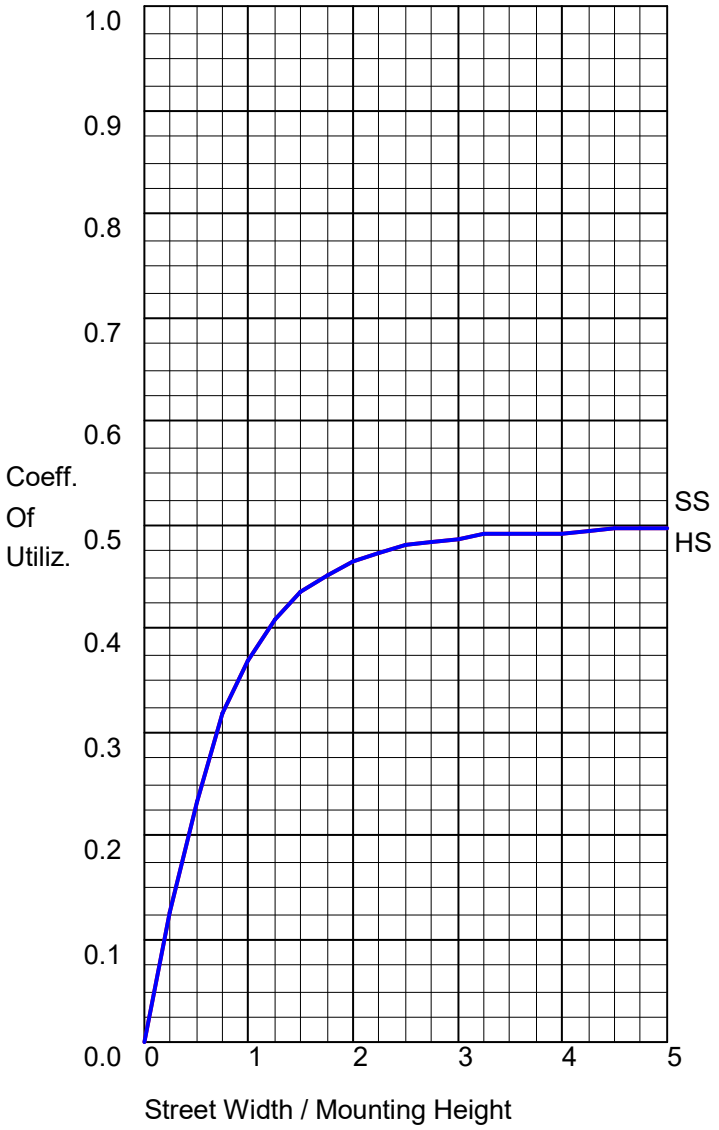
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2977.3	50.0
Downward House Side	2977.3	50.0
Downward Total	5954.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5954.6	100.0

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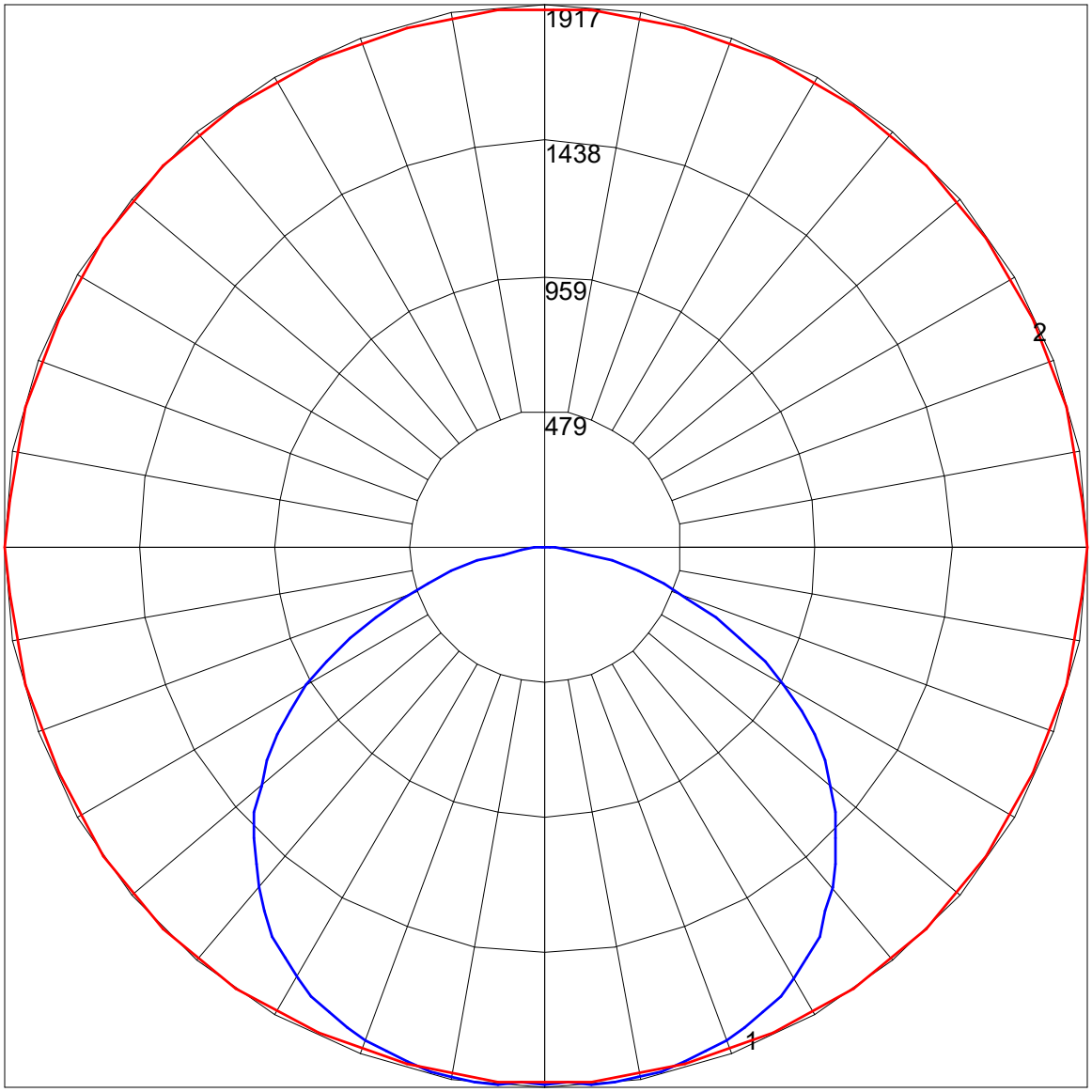
POLAR GRAPH



Maximum Candela = 1917 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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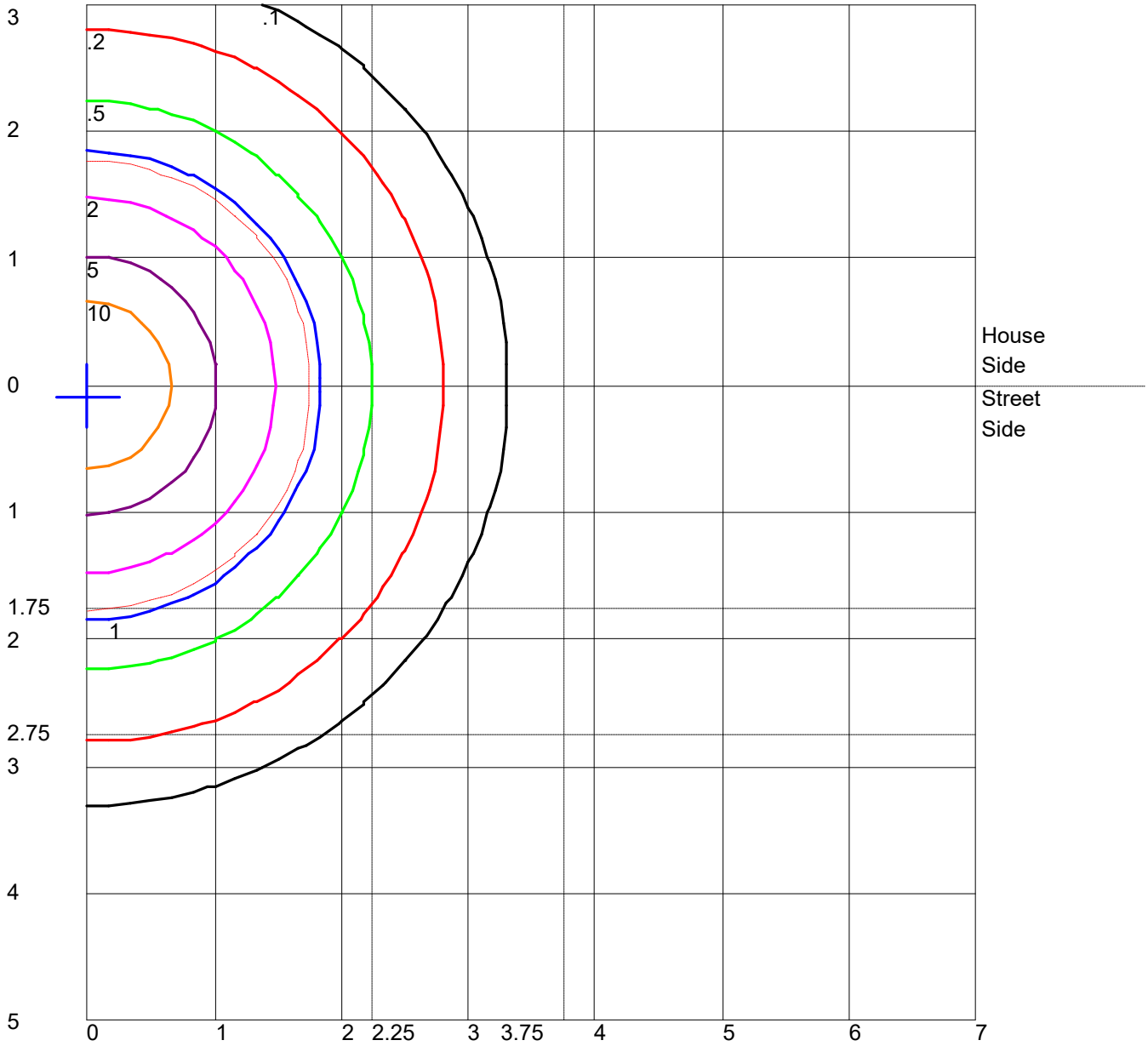
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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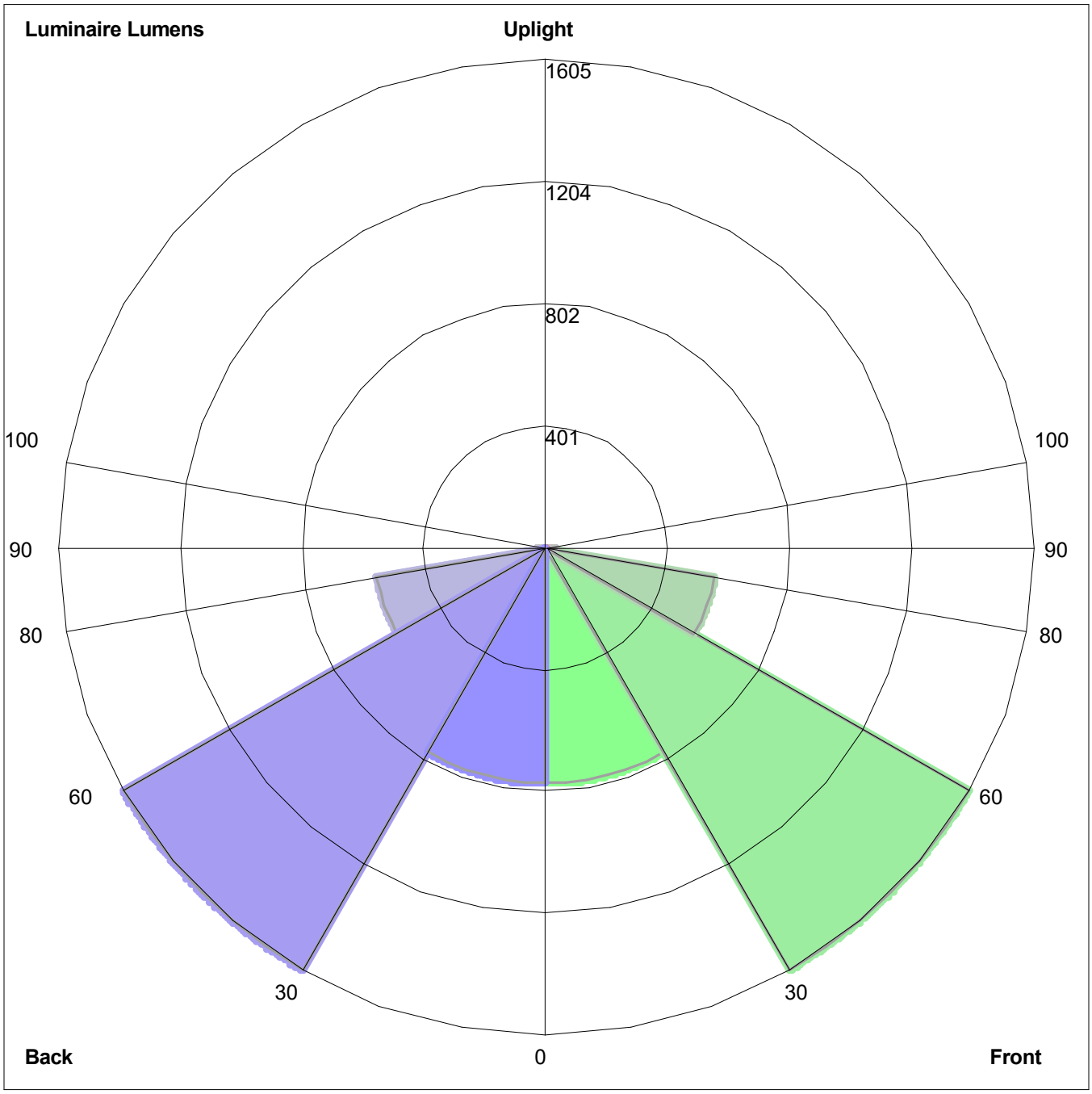
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=777.5, Medium= 1605.0, High=564.1, Very High=30.8
Back: Low=777.5, Medium= 1605.0, High=564.1, Very High=30.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1

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