IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-SLW-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12156
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 08/27/20
[TESTDATE] 08/19/20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CRUS_SM-AC-SLW-40
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_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 II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5009
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2656
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	2656
Maximum Candela Angle (<90 Degrees Vertical)	2.5H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	519 (10.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	857.8	N.A.	17.1
FM - Front-Medium (30-60)	1954.4	N.A.	39.0
FH - Front-High (60-80)	857.2	N.A.	17.1
FVH - Front-Very High (80-90)	60.9	N.A.	1.2
BL - Back-Low (0-30)	397.4	N.A.	7.9
BM - Back-Medium (30-60)	559.0	N.A.	11.2
BH - Back-High (60-80)	296.6	N.A.	5.9
BVH - Back-Very High (80-90)	25.9	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	5009.2	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	2.5	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0
0.0	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070
2.5	2084	2073	2076	2083	2082	2077	2086	2086	2086	2088
5.0	2011	2004	1998	2006	2020	2020	2037	2046	2044	2059
7.5	1907	1905	1900	1910	1926	1943	1962	1975	1985	1988
10.0	1870	1879	1873	1876	1863	1865	1878	1902	1923	1894
12.5	2014	2002	1998	1974	1936	1877	1866	1841	1861	1851
15.0	2137	2139	2131	2112	2070	1984	1911	1884	1798	1823
17.5	2288	2283	2287	2264	2188	2079	1980	1957	1822	1823
20.0	2450	2443	2448	2418	2320	2165	2024	1963	1914	1807
22.5	2642	2641	2634	2569	2411	2205	2052	1958	1999	1777
25.0	2641	2656	2649	2628	2441	2174	2040	1952	2057	1752
27.5	2360	2361	2367	2387	2302	2137	2061	1963	2010	1747
30.0	2180	2173	2172	2157	2132	2090	2077	1990	1991	1763
32.5	2113	2115	2102	2087	2065	2045	2030	1995	2099	1772
35.0	2081	2079	2079	2058	2033	2013	1998	1958	2055	1803
37.5	2048	2038	2045	2033	1995	1971	1975	1952	1952	1844
40.0	2006	1995	1997	1976	1949	1925	1930	1954	1876	1823
42.5	1952	1944	1941	1925	1889	1870	1870	1914	1862	1769
45.0	1872	1863	1866	1846	1832	1810	1802	1828	1823	1681
47.5	1779	1783	1776	1765	1764	1751	1736	1733	1750	1651
50.0	1663	1666	1664	1664	1679	1676	1664	1645	1693	1630
52.5	1519	1520	1525	1558	1597	1590	1587	1579	1576	1618
55.0	1384	1391	1386	1431	1496	1506	1523	1517	1477	1537
57.5	1264	1269	1270	1306	1391	1428	1468	1451	1381	1356
60.0	1145	1143	1152	1196	1298	1361	1416	1380	1280	1198
62.5	1044	1044	1050	1084	1189	1301	1356	1280	1185	1071
65.0	988	984	993	1036	1097	1230	1278	1175	1072	926
67.5	873	891	906	1033	1051	1168	1183	1029	927	808
70.0	667	678	696	1033	1025	1110	1051	878	796	700
72.5	550	554	571	1002	977	994	909	734	650	591
75.0	396	404	415	911	877	816	713	586	498	474
77.5	179	178	195	639	705	662	471	428	363	336
80.0	133	136	144	423	519	491	323	269	234	211
82.5	114	114	124	291	302	244	192	117	135	114
85.0	74	78	84	148	120	88	86	46	62	55
87.5	23	26	27	41	38	34	29	22	22	23
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	85.0	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0
0.0	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070
2.5	2077	2086	2077	2077	2072	2071	2049	2042	2045	2028
5.0	2054	2058	2054	2032	2005	1952	1890	1833	1752	1728
7.5	1984	1989	1980	1940	1867	1735	1575	1415	1315	1272
10.0	1881	1883	1861	1806	1668	1450	1250	1098	1034	1007
12.5	1761	1752	1731	1627	1442	1189	1009	941	905	880
15.0	1661	1617	1594	1463	1235	1004	884	832	803	781
17.5	1621	1522	1487	1342	1071	899	792	740	712	688
20.0	1653	1501	1407	1256	987	832	713	657	627	611
22.5	1706	1497	1362	1243	931	752	637	574	552	544
25.0	1722	1487	1347	1183	843	679	561	500	493	498
27.5	1733	1518	1342	1095	785	619	490	436	443	449

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CANDELA TABULATION - (Cont.)

30.0	1782	1558	1309	1033	780	547	424	378	385	380
32.5	1817	1540	1272	1055	755	490	369	325	326	326
35.0	1784	1505	1246	1063	681	445	327	284	286	307
37.5	1689	1449	1229	978	609	416	297	258	265	297
40.0	1630	1408	1238	888	565	386	280	244	252	280
42.5	1578	1381	1224	843	544	361	268	236	239	254
45.0	1538	1373	1199	828	540	345	260	227	223	229
47.5	1521	1409	1196	845	575	345	254	217	210	211
50.0	1482	1428	1200	886	622	360	251	207	195	197
52.5	1424	1382	1172	938	649	378	248	197	185	185
55.0	1318	1294	1128	963	665	388	246	190	173	173
57.5	1218	1173	1059	960	669	397	245	180	162	159
60.0	1134	1071	985	941	654	402	244	171	148	144
62.5	1018	968	908	880	631	397	241	162	138	137
65.0	881	851	822	784	599	385	227	153	128	129
67.5	761	739	727	696	557	357	209	141	119	120
70.0	664	640	632	631	503	325	191	131	110	111
72.5	559	526	529	537	436	296	175	116	98	102
75.0	453	418	413	418	349	257	154	105	86	87
77.5	317	277	286	303	241	219	130	88	76	77
80.0	200	147	155	192	165	155	99	71	61	64
82.5	124	93	69	113	106	85	46	51	48	51
85.0	60	50	37	53	55	43	31	36	35	37
87.5	24	23	22	25	23	25	23	24	24	25
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	2070	2070
2.5	2036	2025
5.0	1707	1698
7.5	1239	1228
10.0	993	985
12.5	874	870
15.0	766	768
17.5	674	669
20.0	595	594
22.5	536	535
25.0	494	494
27.5	436	432
30.0	364	361
32.5	326	326
35.0	318	320
37.5	309	311
40.0	287	286
42.5	255	252
45.0	227	226
47.5	212	210
50.0	198	198
52.5	186	183
55.0	172	171
57.5	154	152
60.0	139	139
62.5	138	136
65.0	136	133

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CANDELA TABULATION - (Cont.)

67.5	124	122
70.0	112	107
72.5	98	93
75.0	82	76
77.5	65	59
80.0	56	50
82.5	50	44
85.0	38	34
87.5	25	24
90.0	0	0

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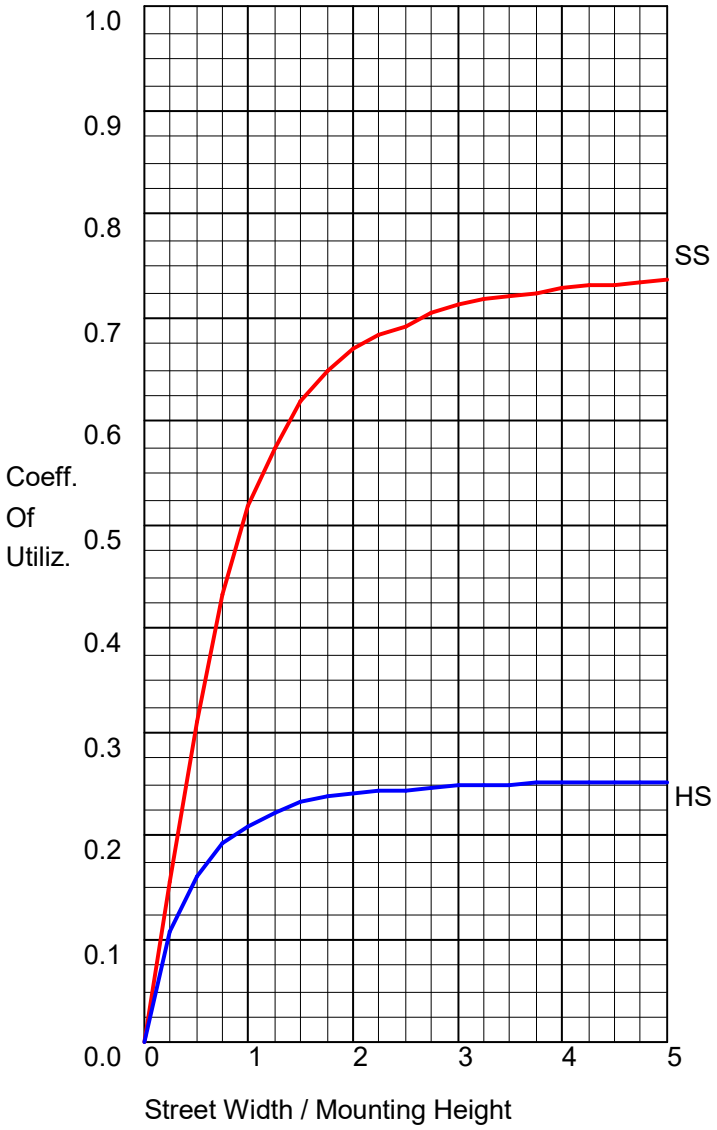
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3730.3	74.5
Downward House Side	1278.9	25.5
Downward Total	5009.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5009.2	100.0

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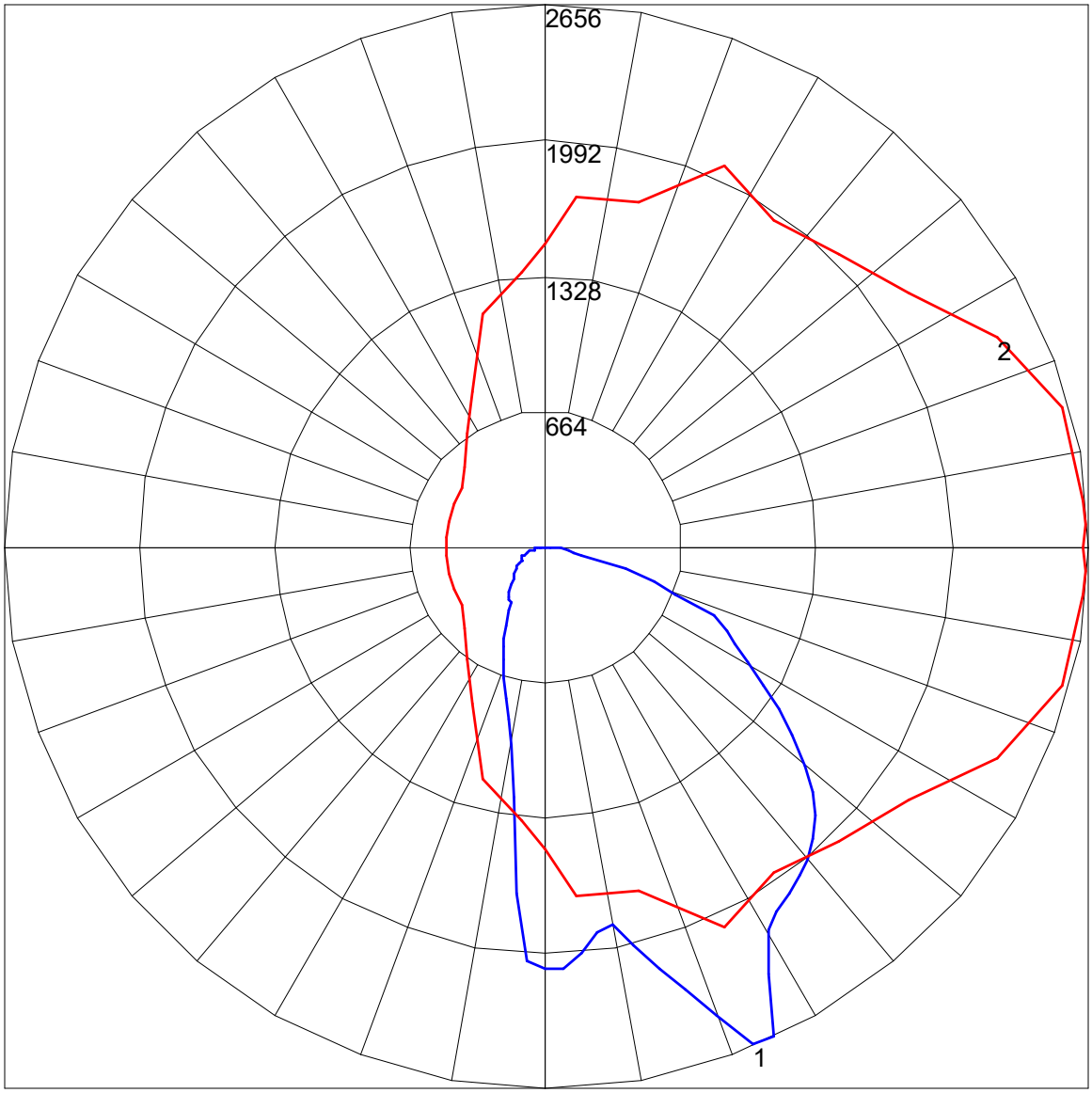
POLAR GRAPH



Maximum Candela = 2656 Located At Horizontal Angle = 2.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (2.5 - 182.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

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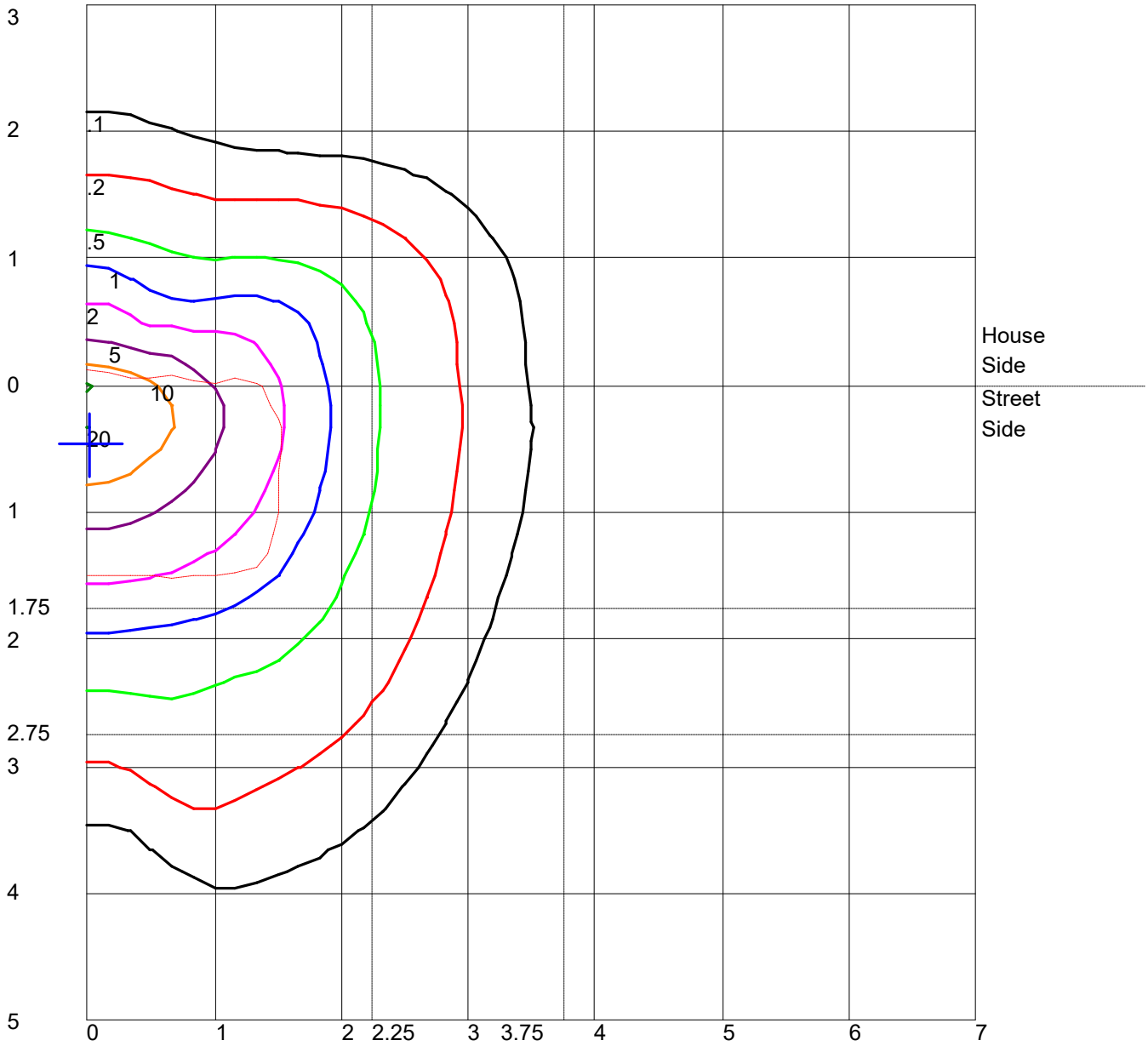
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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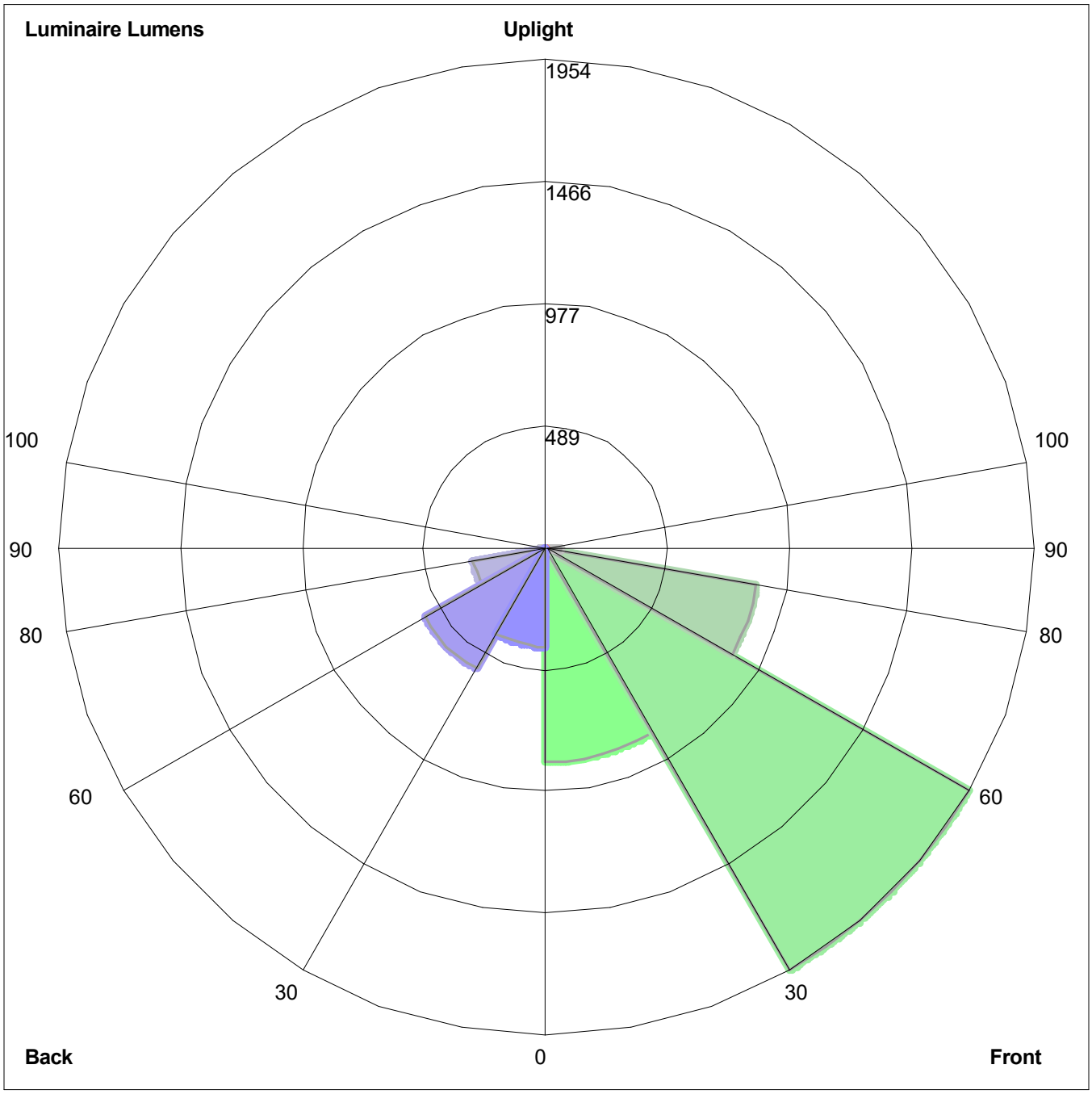
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=857.8, Medium=1954.4, High=857.2, Very High=60.9
Back: Low=397.4, Medium=559.0, High=296.6, Very High=25.9
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1

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