IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-SLW-50.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-50
[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	5207
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2761
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	2761
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	539 (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)	891.6	N.A.	17.1
FM - Front-Medium (30-60)	2031.6	N.A.	39.0
FH - Front-High (60-80)	891.0	N.A.	17.1
FVH - Front-Very High (80-90)	63.3	N.A.	1.2
BL - Back-Low (0-30)	413.1	N.A.	7.9
BM - Back-Medium (30-60)	581.1	N.A.	11.2
BH - Back-High (60-80)	308.3	N.A.	5.9
BVH - Back-Very High (80-90)	26.9	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	5206.9	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	2152	2152	2152	2152	2152	2152	2152	2152	2152	2152
2.5	2166	2155	2158	2165	2164	2159	2168	2168	2168	2170
5.0	2090	2083	2077	2085	2100	2100	2117	2127	2125	2140
7.5	1982	1980	1975	1985	2002	2020	2039	2053	2063	2067
10.0	1944	1953	1947	1950	1937	1939	1952	1977	1999	1969
12.5	2094	2081	2077	2052	2012	1951	1940	1914	1934	1924
15.0	2221	2224	2215	2195	2152	2062	1986	1958	1869	1895
17.5	2378	2373	2377	2353	2274	2161	2058	2034	1894	1895
20.0	2547	2540	2545	2514	2412	2250	2104	2041	1990	1878
22.5	2746	2745	2738	2670	2506	2292	2133	2035	2078	1847
25.0	2745	2761	2754	2732	2537	2260	2121	2029	2138	1821
27.5	2453	2454	2460	2481	2393	2221	2142	2041	2089	1816
30.0	2266	2259	2258	2242	2216	2173	2159	2069	2070	1833
32.5	2196	2199	2185	2169	2147	2126	2110	2074	2182	1842
35.0	2163	2161	2161	2139	2113	2092	2077	2035	2136	1874
37.5	2129	2119	2126	2113	2074	2049	2053	2029	2029	1917
40.0	2085	2074	2076	2054	2026	2001	2006	2031	1950	1895
42.5	2029	2021	2018	2001	1964	1944	1944	1990	1936	1839
45.0	1946	1937	1940	1919	1904	1881	1873	1900	1895	1747
47.5	1849	1853	1846	1835	1834	1820	1805	1801	1819	1716
50.0	1729	1732	1730	1730	1745	1742	1730	1710	1760	1694
52.5	1579	1580	1585	1620	1660	1653	1650	1641	1638	1682
55.0	1439	1446	1441	1488	1555	1565	1583	1577	1535	1598
57.5	1314	1319	1320	1358	1446	1484	1526	1508	1436	1410
60.0	1190	1188	1197	1243	1349	1415	1472	1435	1331	1245
62.5	1085	1085	1091	1127	1236	1352	1410	1331	1232	1113
65.0	1027	1023	1032	1077	1140	1279	1329	1221	1114	963
67.5	908	926	942	1074	1093	1214	1230	1070	964	840
70.0	693	705	723	1074	1065	1154	1092	913	827	728
72.5	572	576	594	1042	1016	1033	945	763	676	614
75.0	412	420	431	947	912	848	741	609	518	493
77.5	186	185	203	664	733	688	490	445	377	349
80.0	138	141	150	440	539	510	336	280	243	219
82.5	118	119	129	302	314	254	200	122	140	118
85.0	77	81	87	154	125	91	89	48	64	57
87.5	24	27	28	43	39	35	30	23	23	24
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	2152	2152	2152	2152	2152	2152	2152	2152	2152	2152
2.5	2159	2168	2159	2159	2154	2153	2130	2123	2126	2108
5.0	2135	2139	2135	2112	2084	2029	1965	1905	1821	1796
7.5	2062	2068	2058	2017	1941	1804	1637	1471	1367	1322
10.0	1955	1957	1935	1877	1734	1507	1299	1141	1075	1047
12.5	1831	1821	1799	1691	1499	1236	1049	978	941	915
15.0	1727	1681	1657	1521	1284	1044	919	865	835	812
17.5	1685	1582	1546	1395	1113	934	823	769	740	715
20.0	1718	1560	1463	1306	1026	865	741	683	652	635
22.5	1773	1556	1416	1292	968	782	662	597	574	566
25.0	1790	1546	1400	1230	876	706	583	520	512	518
27.5	1801	1578	1395	1138	816	643	509	453	461	467

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CANDELA TABULATION - (Cont.)

30.0	1852	1620	1361	1074	811	569	441	393	400	395
32.5	1889	1601	1322	1097	785	509	384	338	339	339
35.0	1854	1564	1295	1105	708	463	340	295	297	319
37.5	1756	1506	1278	1017	633	432	309	268	275	309
40.0	1694	1464	1287	923	587	401	291	254	262	291
42.5	1640	1436	1272	876	566	375	279	245	248	264
45.0	1599	1427	1246	861	561	359	270	236	232	238
47.5	1581	1465	1243	878	598	359	264	226	218	219
50.0	1541	1484	1247	921	647	374	261	215	203	205
52.5	1480	1437	1218	975	675	393	258	205	192	192
55.0	1370	1345	1173	1001	691	403	256	197	180	180
57.5	1266	1219	1101	998	695	413	255	187	168	165
60.0	1179	1113	1024	978	680	418	254	178	154	150
62.5	1058	1006	944	915	656	413	250	168	143	142
65.0	916	885	854	815	623	400	236	159	133	134
67.5	791	768	756	724	579	371	217	147	124	125
70.0	690	665	657	656	523	338	199	136	114	115
72.5	581	547	550	558	453	308	182	121	102	106
75.0	471	435	429	434	363	267	160	109	89	90
77.5	330	288	297	315	250	228	135	91	79	80
80.0	208	153	161	200	172	161	103	74	63	67
82.5	129	97	72	117	110	88	48	53	50	53
85.0	62	52	38	55	57	45	32	37	36	38
87.5	25	24	23	26	24	26	24	25	25	26
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	2152	2152
2.5	2116	2105
5.0	1774	1765
7.5	1288	1277
10.0	1032	1024
12.5	909	904
15.0	796	798
17.5	701	695
20.0	619	617
22.5	557	556
25.0	514	514
27.5	453	449
30.0	378	375
32.5	339	339
35.0	331	333
37.5	321	323
40.0	298	297
42.5	265	262
45.0	236	235
47.5	220	218
50.0	206	206
52.5	193	190
55.0	179	178
57.5	160	158
60.0	145	144
62.5	143	141
65.0	141	138

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CANDELA TABULATION - (Cont.)

67.5	129	127
70.0	116	111
72.5	102	97
75.0	85	79
77.5	68	61
80.0	58	52
82.5	52	46
85.0	39	35
87.5	26	25
90.0	0	0

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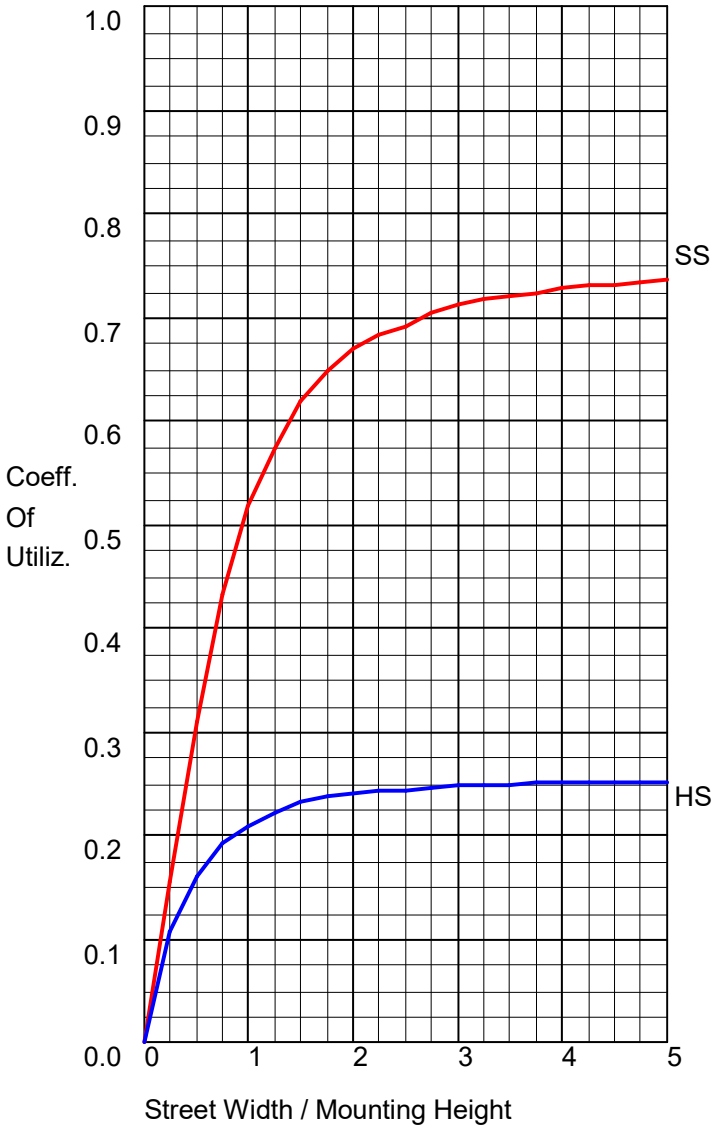
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3877.6	74.5
Downward House Side	1329.3	25.5
Downward Total	5206.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5206.9	100.0

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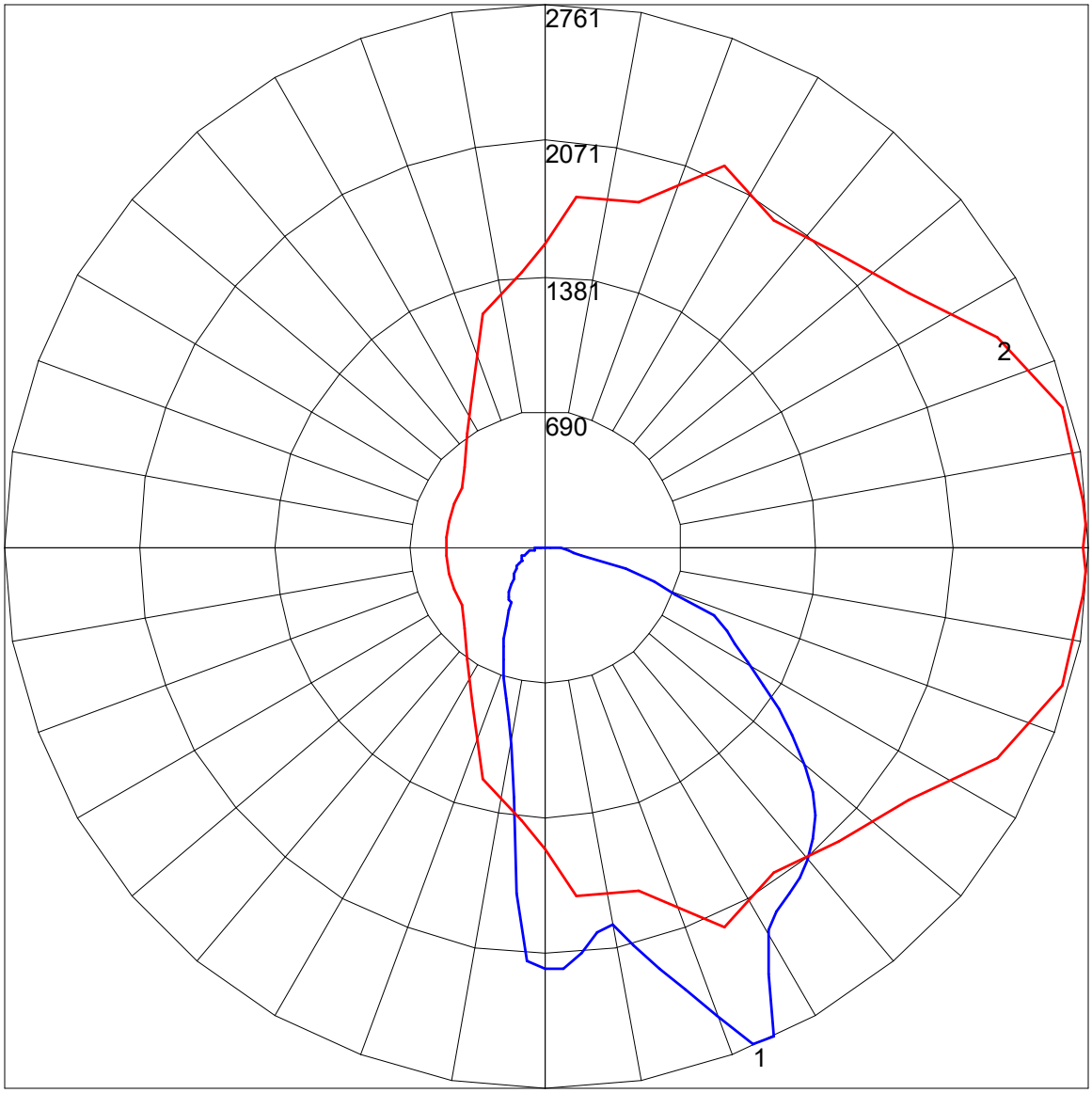
POLAR GRAPH



Maximum Candela = 2761 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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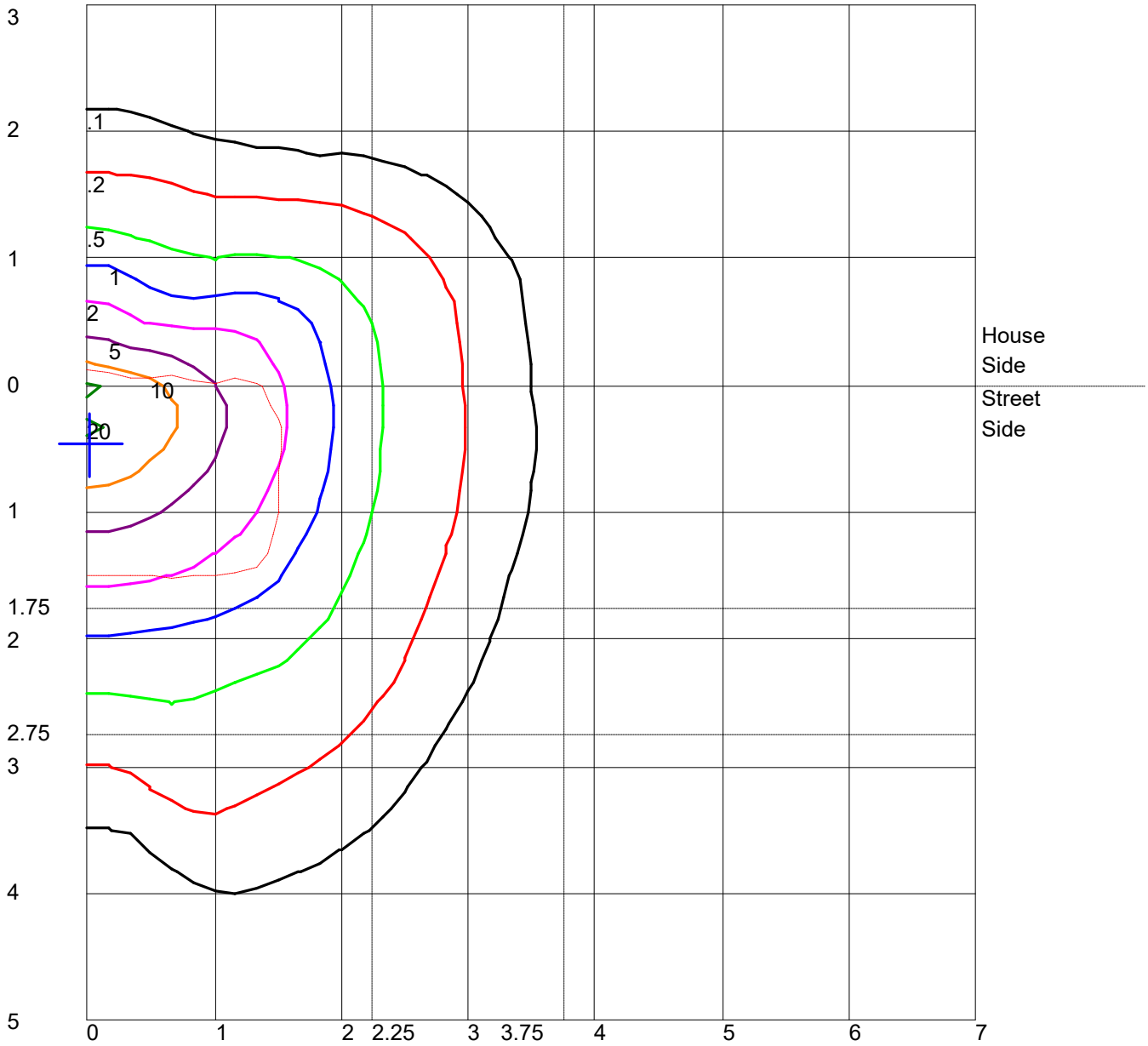
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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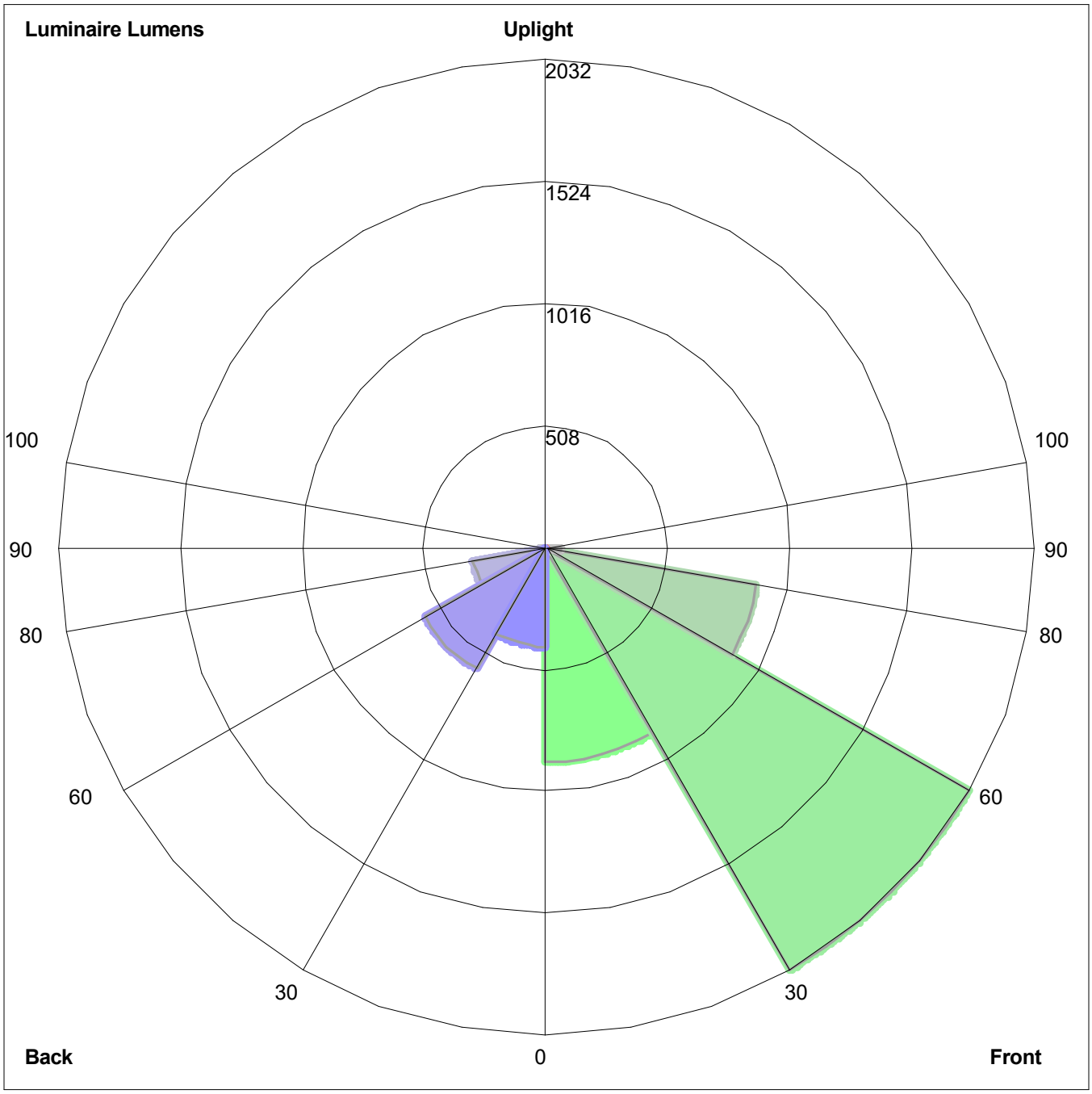
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=891.6, Medium=2031.6, High=891.0, Very High=63.3
Back: Low=413.1, Medium=581.1, High=308.3, Very High=26.9
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1

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