IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-AC-SLW-30.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-30
[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	4884
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2590
Maximum Candela Angle	2.5H 25V
Maximum Candela (<90 Degrees Vertical)	2590
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	506 (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)	836.3	N.A.	17.1
FM - Front-Medium (30-60)	1905.7	N.A.	39.0
FH - Front-High (60-80)	835.7	N.A.	17.1
FVH - Front-Very High (80-90)	59.4	N.A.	1.2
BL - Back-Low (0-30)	387.5	N.A.	7.9
BM - Back-Medium (30-60)	545.1	N.A.	11.2
BH - Back-High (60-80)	289.1	N.A.	5.9
BVH - Back-Very High (80-90)	25.3	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	4884.1	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	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019
2.5	2032	2021	2024	2031	2030	2025	2034	2034	2034	2035
5.0	1960	1954	1948	1956	1970	1970	1986	1995	1993	2007
7.5	1859	1857	1853	1862	1878	1895	1913	1926	1935	1939
10.0	1823	1832	1826	1829	1817	1819	1831	1854	1875	1847
12.5	1964	1952	1948	1925	1887	1830	1820	1795	1814	1805
15.0	2083	2086	2078	2059	2019	1934	1863	1837	1753	1778
17.5	2231	2226	2230	2207	2133	2027	1930	1908	1777	1778
20.0	2389	2383	2387	2358	2262	2111	1974	1914	1867	1762
22.5	2576	2575	2568	2504	2351	2150	2001	1909	1949	1732
25.0	2575	2590	2583	2563	2380	2120	1989	1903	2005	1708
27.5	2301	2302	2307	2327	2245	2083	2009	1914	1959	1703
30.0	2126	2119	2118	2103	2079	2038	2025	1941	1942	1719
32.5	2060	2063	2050	2035	2014	1994	1979	1945	2047	1728
35.0	2029	2027	2027	2006	1982	1962	1948	1909	2004	1758
37.5	1997	1988	1994	1982	1945	1922	1926	1903	1903	1798
40.0	1956	1945	1947	1927	1900	1877	1882	1905	1829	1778
42.5	1903	1896	1893	1877	1842	1823	1823	1867	1816	1725
45.0	1825	1817	1820	1800	1786	1764	1757	1782	1778	1639
47.5	1734	1738	1732	1721	1720	1707	1693	1689	1706	1610
50.0	1622	1625	1623	1623	1637	1634	1623	1604	1651	1589
52.5	1481	1482	1487	1520	1557	1551	1548	1539	1536	1578
55.0	1350	1356	1352	1396	1459	1468	1485	1479	1440	1499
57.5	1233	1237	1238	1274	1356	1392	1431	1415	1347	1323
60.0	1116	1114	1123	1166	1265	1327	1381	1346	1248	1168
62.5	1018	1018	1023	1057	1159	1268	1323	1248	1156	1044
65.0	963	960	968	1010	1069	1200	1247	1145	1045	903
67.5	852	869	884	1007	1025	1139	1154	1004	904	788
70.0	650	661	678	1007	999	1082	1024	856	776	683
72.5	537	540	557	977	953	969	886	716	634	576
75.0	386	394	404	888	855	795	695	571	486	462
77.5	174	174	190	623	688	645	460	417	354	327
80.0	129	132	141	413	506	478	315	263	228	205
82.5	111	112	121	283	295	238	188	114	131	111
85.0	72	76	82	144	117	85	83	45	60	53
87.5	23	25	26	40	37	33	28	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	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019
2.5	2025	2034	2025	2025	2020	2020	1998	1991	1994	1977
5.0	2003	2006	2003	1981	1955	1903	1843	1787	1708	1685
7.5	1934	1940	1930	1892	1821	1692	1536	1380	1282	1240
10.0	1834	1836	1815	1761	1626	1414	1218	1070	1008	982
12.5	1717	1708	1687	1586	1406	1159	984	917	883	858
15.0	1620	1577	1554	1427	1204	979	862	811	783	762
17.5	1581	1484	1450	1309	1044	876	772	721	694	671
20.0	1611	1463	1372	1225	962	811	695	641	612	596
22.5	1663	1460	1328	1212	908	734	621	560	538	531
25.0	1679	1450	1313	1154	822	662	547	488	480	486
27.5	1689	1480	1309	1067	765	603	477	425	432	438

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CANDELA TABULATION - (Cont.)

30.0	1737	1520	1277	1007	761	534	414	369	375	371
32.5	1772	1502	1240	1029	736	477	360	317	318	318
35.0	1739	1467	1215	1036	664	434	319	277	279	299
37.5	1647	1413	1199	954	594	405	290	251	258	290
40.0	1589	1373	1207	866	551	376	273	238	246	273
42.5	1538	1347	1193	822	531	352	262	230	233	248
45.0	1500	1339	1169	808	526	337	253	221	218	223
47.5	1483	1374	1166	824	561	337	248	212	204	205
50.0	1445	1392	1170	864	607	351	245	202	190	192
52.5	1388	1348	1142	915	633	369	242	192	180	180
55.0	1285	1262	1100	939	648	378	240	185	169	169
57.5	1188	1143	1033	936	652	387	239	175	158	155
60.0	1106	1044	961	917	638	392	238	167	144	141
62.5	992	944	885	858	615	387	235	158	134	133
65.0	859	830	801	764	584	375	221	149	125	126
67.5	742	720	709	679	543	348	204	138	116	117
70.0	647	624	616	615	491	317	187	128	107	108
72.5	545	513	516	523	425	289	171	113	96	99
75.0	442	408	402	407	340	250	150	102	83	84
77.5	310	270	279	295	235	214	127	85	74	75
80.0	195	144	151	188	161	151	97	69	59	63
82.5	121	91	68	110	103	83	45	50	47	50
85.0	58	49	36	52	53	42	30	35	34	36
87.5	23	23	22	24	23	24	23	23	23	24
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	**Horizontal Angles**	
	175.0	**180.0**
0.0	2019	2019
2.5	1985	1974
5.0	1664	1656
7.5	1208	1198
10.0	968	961
12.5	853	848
15.0	747	749
17.5	658	652
20.0	581	579
22.5	522	522
25.0	482	482
27.5	425	421
30.0	355	352
32.5	318	318
35.0	310	312
37.5	301	303
40.0	280	279
42.5	249	246
45.0	221	220
47.5	206	204
50.0	193	193
52.5	181	178
55.0	168	167
57.5	150	148
60.0	136	135
62.5	134	132
65.0	132	129

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CANDELA TABULATION - (Cont.)

67.5	121	119
70.0	109	104
72.5	96	91
75.0	80	74
77.5	64	57
80.0	54	49
82.5	49	43
85.0	37	33
87.5	24	23
90.0	0	0

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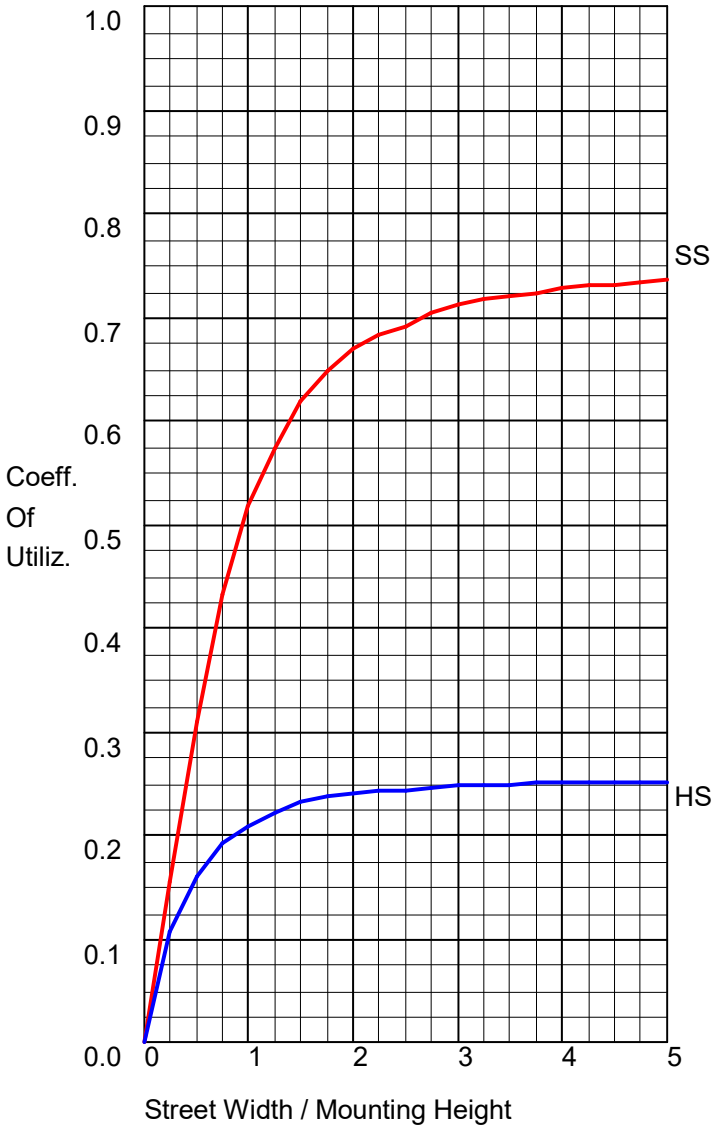
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3637.1	74.5
Downward House Side	1246.9	25.5
Downward Total	4884.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4884.0	100.0

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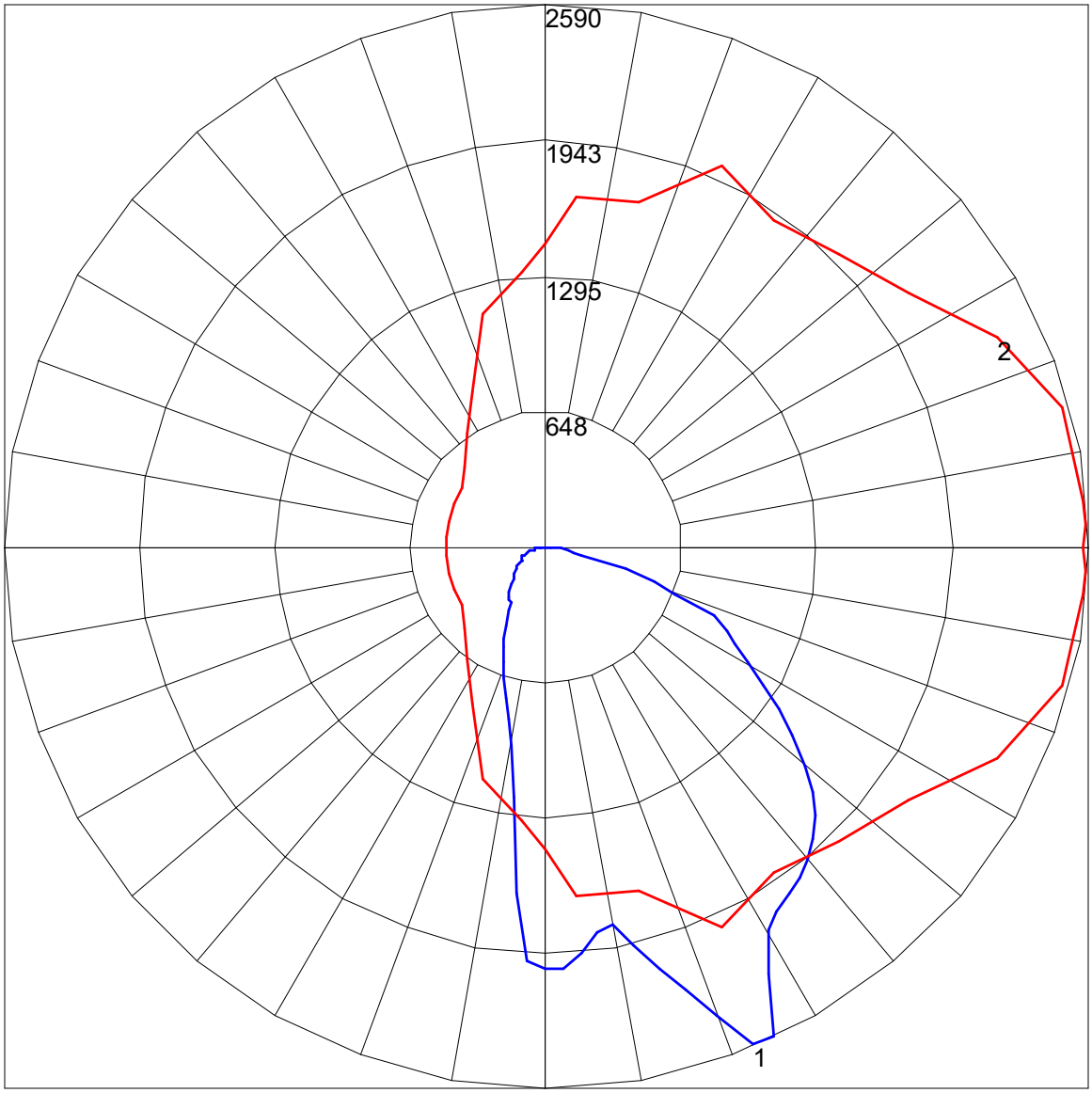
POLAR GRAPH



Maximum Candela = 2590 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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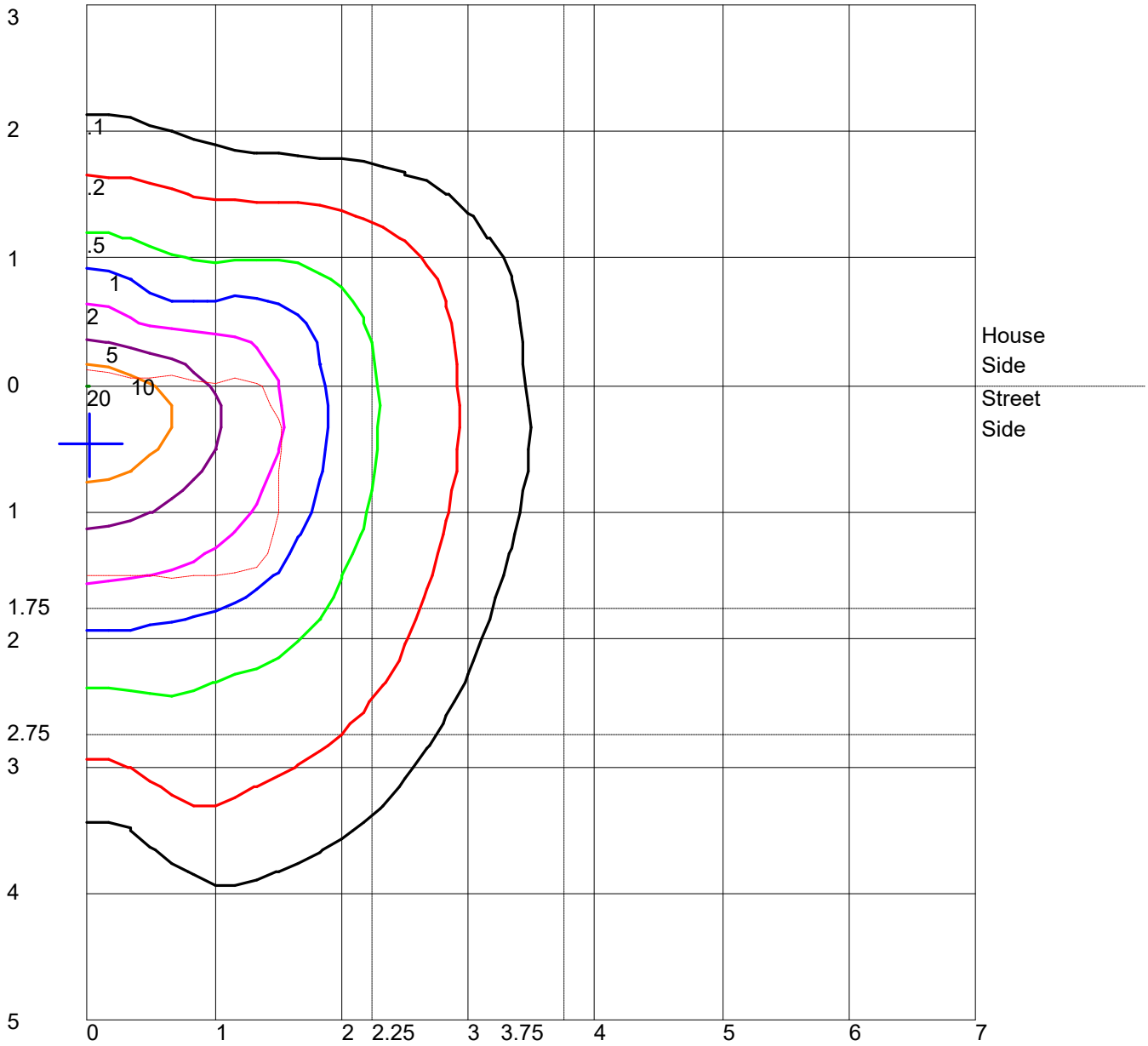
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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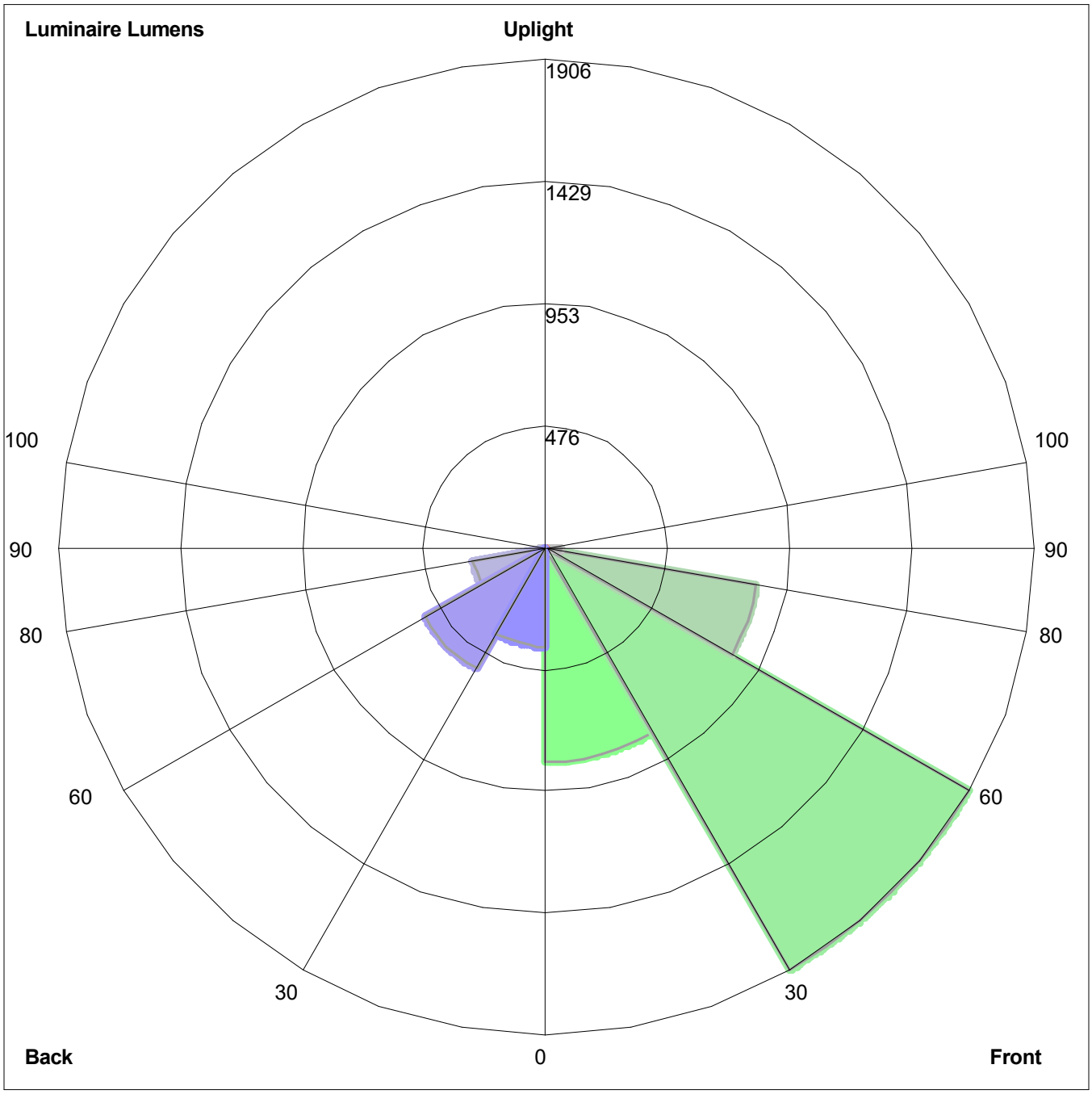
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=836.3, Medium=1905.7, High=835.7, Very High=59.4
Back: Low=387.5, Medium=545.1, High=289.1, Very High=25.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1

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