IES ROAD REPORT
PHOTOMETRIC FILENAME : CRUS_SM-SC-SLW-40.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-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 VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5728
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1844
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	1844
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	156 (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)	748.0	N.A.	13.1
FM - Front-Medium (30-60)	1544.0	N.A.	27.0
FH - Front-High (60-80)	542.7	N.A.	9.5
FVH - Front-Very High (80-90)	29.5	N.A.	0.5
BL - Back-Low (0-30)	748.0	N.A.	13.1
BM - Back-Medium (30-60)	1544.0	N.A.	27.0
BH - Back-High (60-80)	542.7	N.A.	9.5
BVH - Back-Very High (80-90)	29.5	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	5728.4	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	1833	1833	1833	1833	1833	1833	1833	1833	1833	1833
2.5	1833	1834	1837	1834	1836	1835	1833	1837	1835	1831
5.0	1844	1834	1837	1832	1835	1838	1837	1835	1829	1834
7.5	1842	1831	1834	1834	1835	1839	1830	1835	1834	1830
10.0	1833	1830	1826	1834	1828	1838	1833	1825	1831	1824
12.5	1831	1821	1822	1822	1824	1824	1832	1823	1818	1818
15.0	1822	1810	1811	1819	1818	1810	1818	1814	1810	1810
17.5	1803	1802	1800	1804	1807	1799	1802	1807	1802	1799
20.0	1795	1791	1790	1793	1793	1787	1789	1786	1790	1785
22.5	1776	1773	1773	1770	1773	1769	1774	1773	1773	1765
25.0	1748	1752	1750	1753	1756	1750	1758	1758	1746	1749
27.5	1730	1726	1726	1724	1728	1728	1727	1727	1723	1725
30.0	1696	1693	1689	1694	1701	1692	1692	1696	1697	1685
32.5	1657	1655	1654	1658	1663	1658	1654	1658	1659	1656
35.0	1624	1618	1616	1615	1618	1616	1613	1616	1617	1621
37.5	1568	1571	1572	1570	1568	1572	1568	1571	1577	1573
40.0	1518	1522	1520	1520	1516	1522	1518	1521	1525	1518
42.5	1463	1468	1463	1468	1468	1467	1463	1465	1469	1462
45.0	1403	1405	1407	1410	1407	1403	1402	1402	1406	1404
47.5	1345	1341	1339	1340	1338	1337	1333	1343	1338	1340
50.0	1267	1272	1272	1271	1273	1268	1266	1273	1269	1267
52.5	1197	1199	1194	1192	1195	1194	1195	1197	1194	1192
55.0	1119	1121	1114	1112	1114	1116	1118	1118	1116	1110
57.5	1037	1034	1029	1030	1030	1033	1032	1034	1025	1021
60.0	941	943	940	944	942	946	946	942	941	930
62.5	845	844	846	849	849	848	850	847	847	839
65.0	733	741	747	750	752	747	747	745	748	744
67.5	630	635	645	649	646	640	645	643	640	634
70.0	518	520	530	539	541	535	540	536	529	519
72.5	421	422	421	420	431	428	429	423	425	420
75.0	329	330	327	325	326	322	327	329	329	330
77.5	235	240	238	236	235	226	240	241	241	237
80.0	150	156	155	151	154	154	155	149	156	154
82.5	82	89	91	89	89	82	87	88	90	90
85.0	37	38	40	41	38	38	38	40	40	42
87.5	13	13	13	13	13	13	13	14	14	14
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles
	90
0.0	1833
2.5	1840
5.0	1831
7.5	1835
10.0	1824
12.5	1825
15.0	1809
17.5	1805
20.0	1789
22.5	1772
25.0	1745
27.5	1726

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CANDELA TABULATION - (Cont.)

30.0	1690
32.5	1654
35.0	1618
37.5	1565
40.0	1522
42.5	1460
45.0	1407
47.5	1342
50.0	1269
52.5	1189
55.0	1109
57.5	1021
60.0	930
62.5	841
65.0	739
67.5	631
70.0	517
72.5	423
75.0	323
77.5	230
80.0	146
82.5	86
85.0	39
87.5	14
90.0	0

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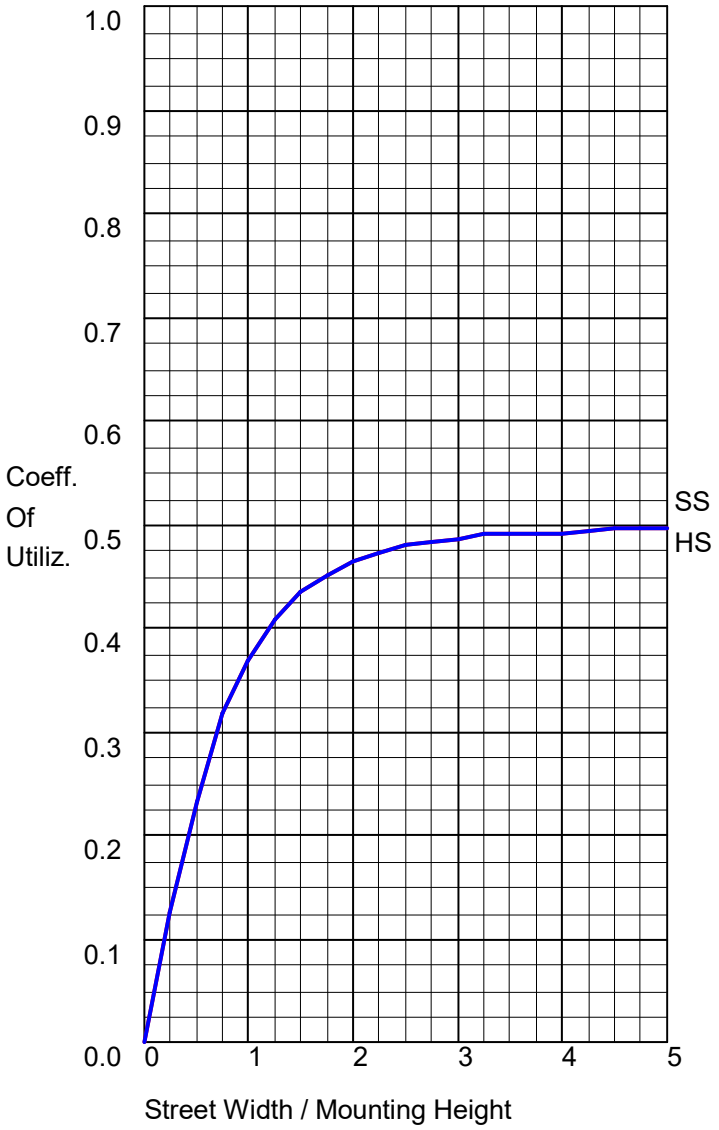
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2864.1	50.0
Downward House Side	2864.1	50.0
Downward Total	5728.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5728.2	100.0

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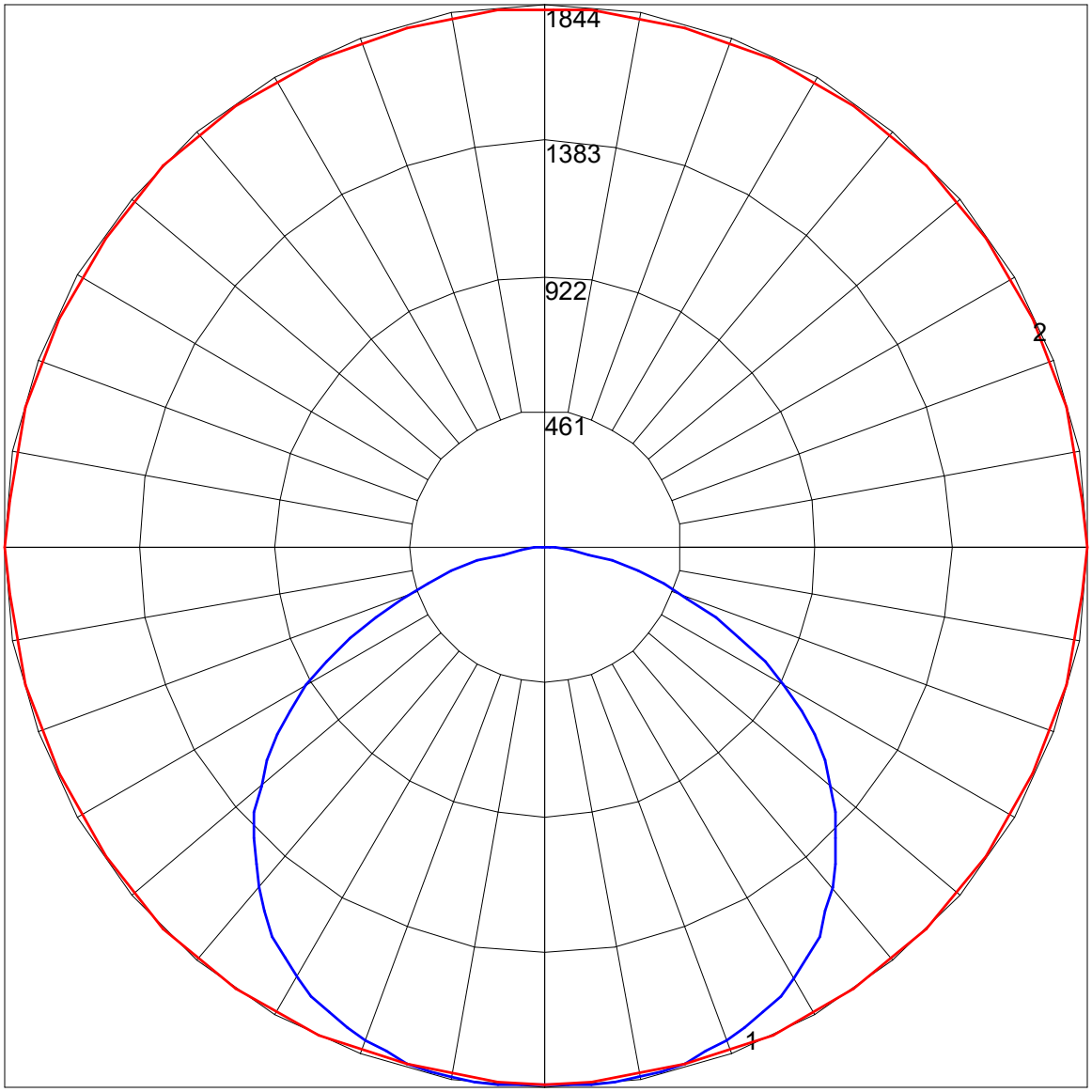
POLAR GRAPH



Maximum Candela = 1844 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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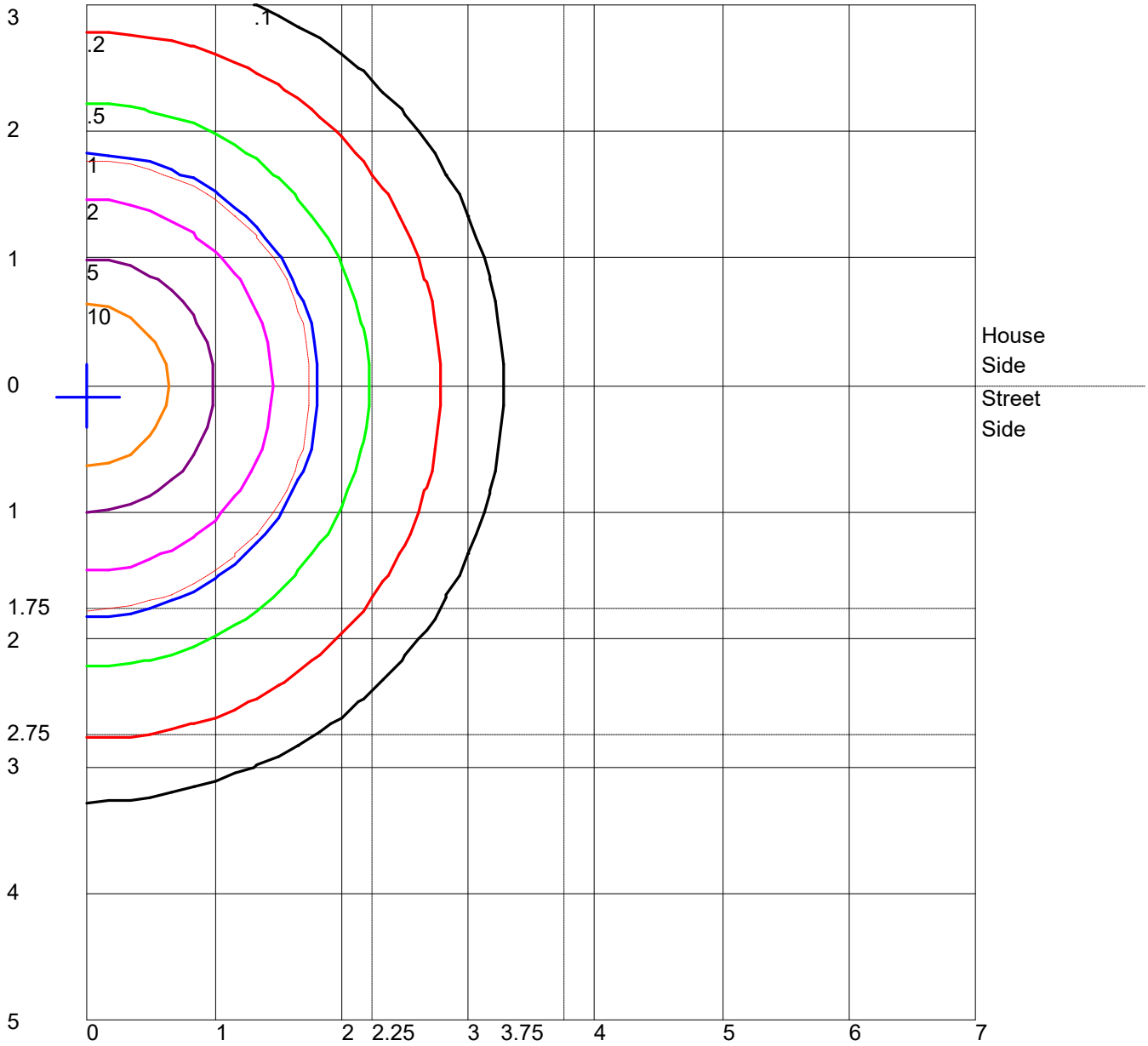
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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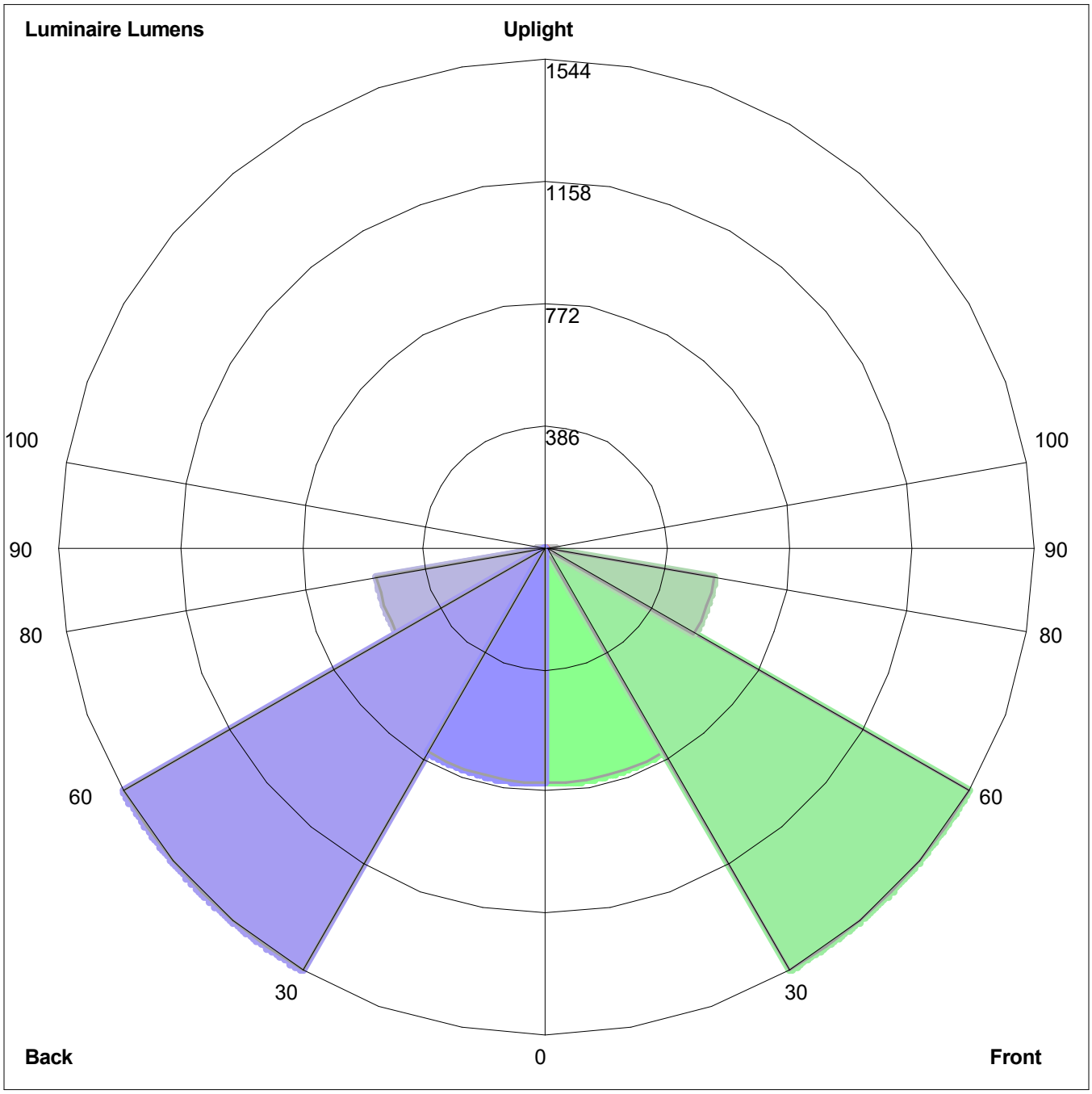
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=748.0, Medium= 1544.0, High=542.7, Very High=29.5
Back: Low=748.0, Medium= 1544.0, High=542.7, Very High=29.5
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1

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