



IES ROAD REPORT

PHOTOMETRIC FILENAME : WPSLL-04L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3209_scaled
[TESTLAB] TUV SUD America
[TESTDATE] 6/26/2017 1:53:38 PM
[ISSUE DATE] 12/18/2019
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] WPSLL-04L-50
[OTHER] TEST PROCEDURE: IESNA
[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 III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4853
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2543
Maximum Candela Angle	360H 25V
Maximum Candela (<90 Degrees Vertical)	2543
Maximum Candela Angle (<90 Degrees Vertical)	360H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	42 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	944.5	N.A.	19.5
FM - Front-Medium (30-60)	2084.7	N.A.	43.0
FH - Front-High (60-80)	500.1	N.A.	10.3
FVH - Front-Very High (80-90)	2.7	N.A.	0.1
BL - Back-Low (0-30)	574.2	N.A.	11.8
BM - Back-Medium (30-60)	600.6	N.A.	12.4
BH - Back-High (60-80)	140.2	N.A.	2.9
BVH - Back-Very High (80-90)	5.7	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4852.7	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
2.5	2059	2099	2082	2056	2024	1990	1961	1938	1876	1938
5.0	2140	2172	2135	2080	2015	1949	1890	1848	1776	1848
7.5	2220	2241	2184	2097	2000	1900	1812	1753	1674	1753
10.0	2291	2302	2227	2110	1979	1845	1729	1655	1567	1655
12.5	2352	2353	2264	2119	1953	1784	1643	1551	1455	1551
15.0	2407	2400	2293	2122	1921	1719	1552	1446	1340	1446
17.5	2462	2445	2320	2121	1883	1649	1458	1333	1195	1333
20.0	2507	2480	2344	2115	1838	1572	1359	1200	1016	1200
22.5	2533	2499	2366	2101	1788	1492	1258	1037	824	1037
25.0	2543	2503	2380	2080	1731	1407	1141	861	656	861
27.5	2535	2488	2379	2055	1669	1318	1007	698	581	698
30.0	2492	2454	2366	2025	1601	1224	865	593	538	593
32.5	2458	2413	2340	1992	1525	1126	732	545	476	545
35.0	2422	2372	2296	1955	1446	1027	611	491	420	491
37.5	2374	2325	2240	1912	1359	929	537	433	389	433
40.0	2311	2264	2174	1857	1269	831	493	391	377	391
42.5	2264	2208	2104	1789	1174	729	443	369	367	369
45.0	2231	2161	2025	1706	1077	630	386	357	356	357
47.5	2195	2116	1933	1613	975	540	342	345	340	345
50.0	2158	2068	1842	1502	869	468	317	330	319	330
52.5	2115	2011	1750	1377	764	417	301	311	296	311
55.0	2062	1943	1657	1244	659	374	285	288	271	288
57.5	1986	1844	1559	1112	556	326	267	262	244	262
60.0	1753	1649	1454	982	456	273	244	235	216	235
62.5	1369	1329	1337	851	365	222	218	208	189	208
65.0	954	939	1188	724	288	182	190	180	161	180
67.5	553	553	966	588	230	156	162	153	135	153
70.0	243	255	663	435	184	131	133	126	109	126
72.5	104	100	358	297	139	105	105	100	87	100
75.0	44	41	140	198	96	78	79	77	64	77
77.5	18	16	42	107	57	54	57	56	43	56
80.0	11	8	13	42	29	33	37	36	25	36
82.5	5	4	5	13	10	18	20	19	12	19
85.0	1	1	1	3	4	7	9	8	3	8
87.5	0	0	0	1	1	2	2	2	1	2
90.0	0	0	0	0	0	0	0	0	0	0

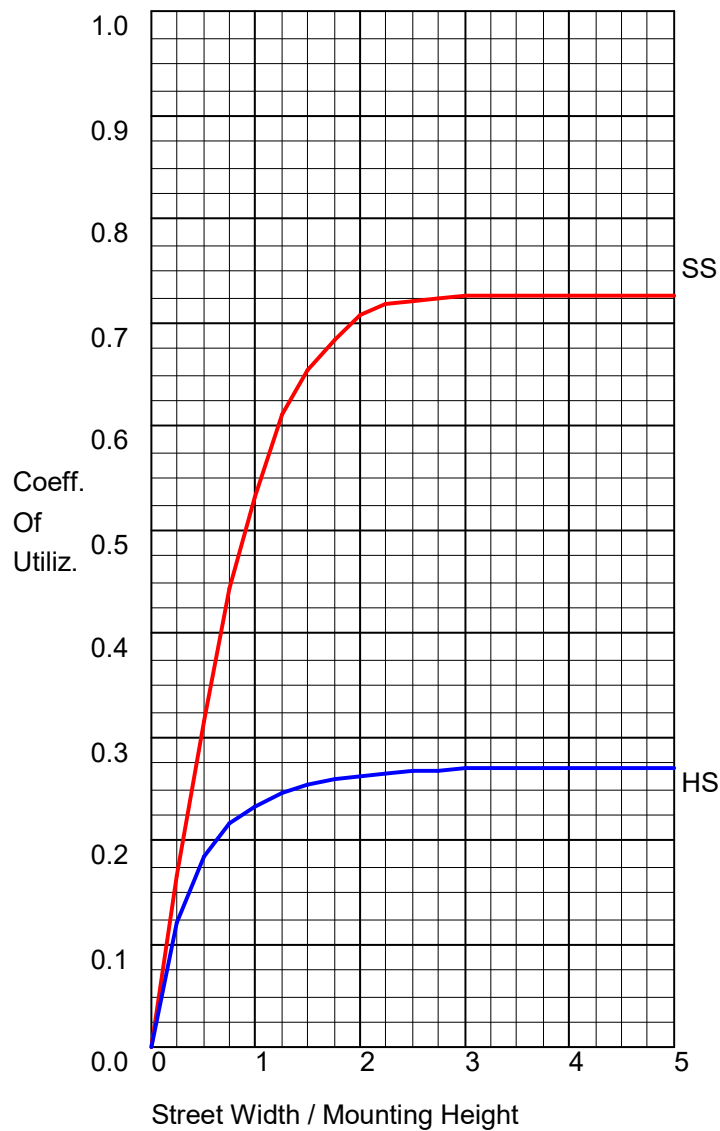
Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2015	2015	2015	2015	2015	2015	2015
2.5	1961	1990	2024	2056	2082	2099	2059
5.0	1890	1949	2015	2080	2135	2172	2140
7.5	1812	1900	2000	2097	2184	2241	2220
10.0	1729	1845	1979	2110	2227	2302	2291
12.5	1643	1784	1953	2119	2264	2353	2352
15.0	1552	1719	1921	2122	2293	2400	2407
17.5	1458	1649	1883	2121	2320	2445	2462
20.0	1359	1572	1838	2115	2344	2480	2507
22.5	1258	1492	1788	2101	2366	2499	2533
25.0	1141	1407	1731	2080	2380	2503	2543
27.5	1007	1318	1669	2055	2379	2488	2535

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CANDELA TABULATION - (Cont.)

30.0	865	1224	1601	2025	2366	2454	2492
32.5	732	1126	1525	1992	2340	2413	2458
35.0	611	1027	1446	1955	2296	2372	2422
37.5	537	929	1359	1912	2240	2325	2374
40.0	493	831	1269	1857	2174	2264	2311
42.5	443	729	1174	1789	2104	2208	2264
45.0	386	630	1077	1706	2025	2161	2231
47.5	342	540	975	1613	1933	2116	2195
50.0	317	468	869	1502	1842	2068	2158
52.5	301	417	764	1377	1750	2011	2115
55.0	285	374	659	1244	1657	1943	2062
57.5	267	326	556	1112	1559	1844	1986
60.0	244	273	456	982	1454	1649	1753
62.5	218	222	365	851	1337	1329	1369
65.0	190	182	288	724	1188	939	954
67.5	162	156	230	588	966	553	553
70.0	133	131	184	435	663	255	243
72.5	105	105	139	297	358	100	104
75.0	79	78	96	198	140	41	44
77.5	57	54	57	107	42	16	18
80.0	37	33	29	42	13	8	11
82.5	20	18	10	13	5	4	5
85.0	9	7	4	3	1	1	1
87.5	2	2	1	1	0	0	0
90.0	0	0	0	0	0	0	0

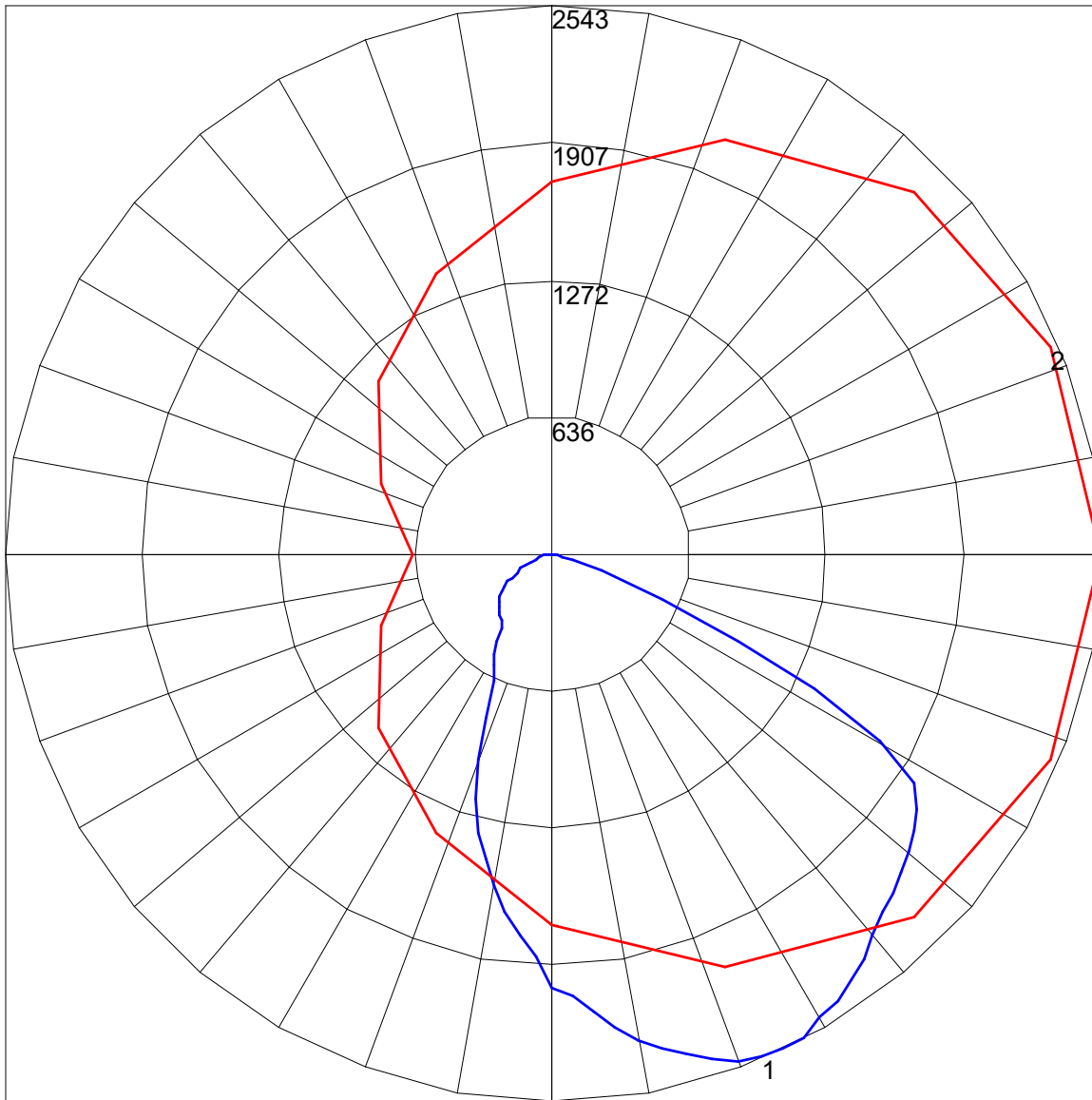
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

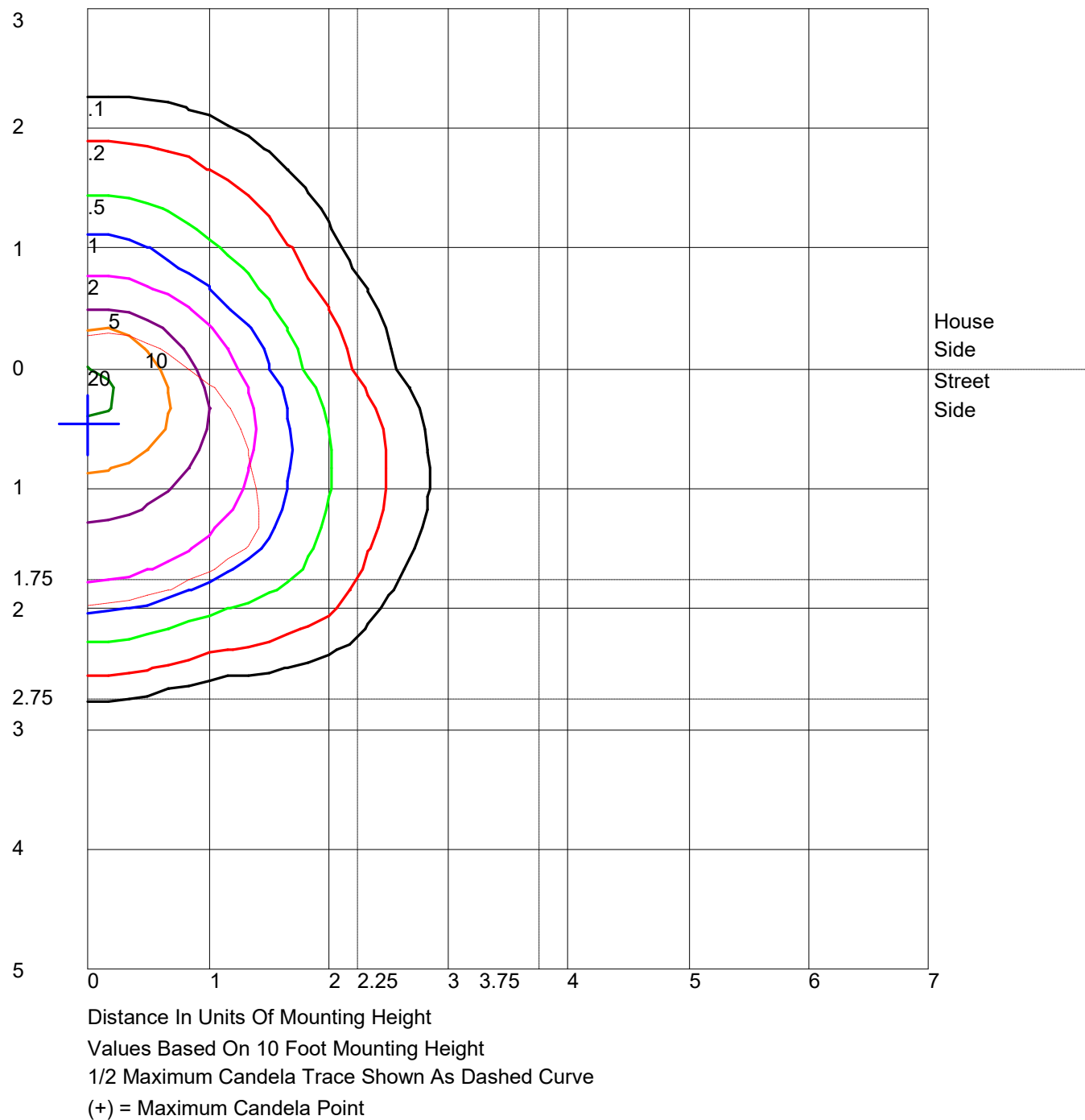
	Lumens	Percent Of Luminaire
Downward Street Side	3532.0	72.8
Downward House Side	1320.8	27.2
Downward Total	4852.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4852.8	100.0

POLAR GRAPH

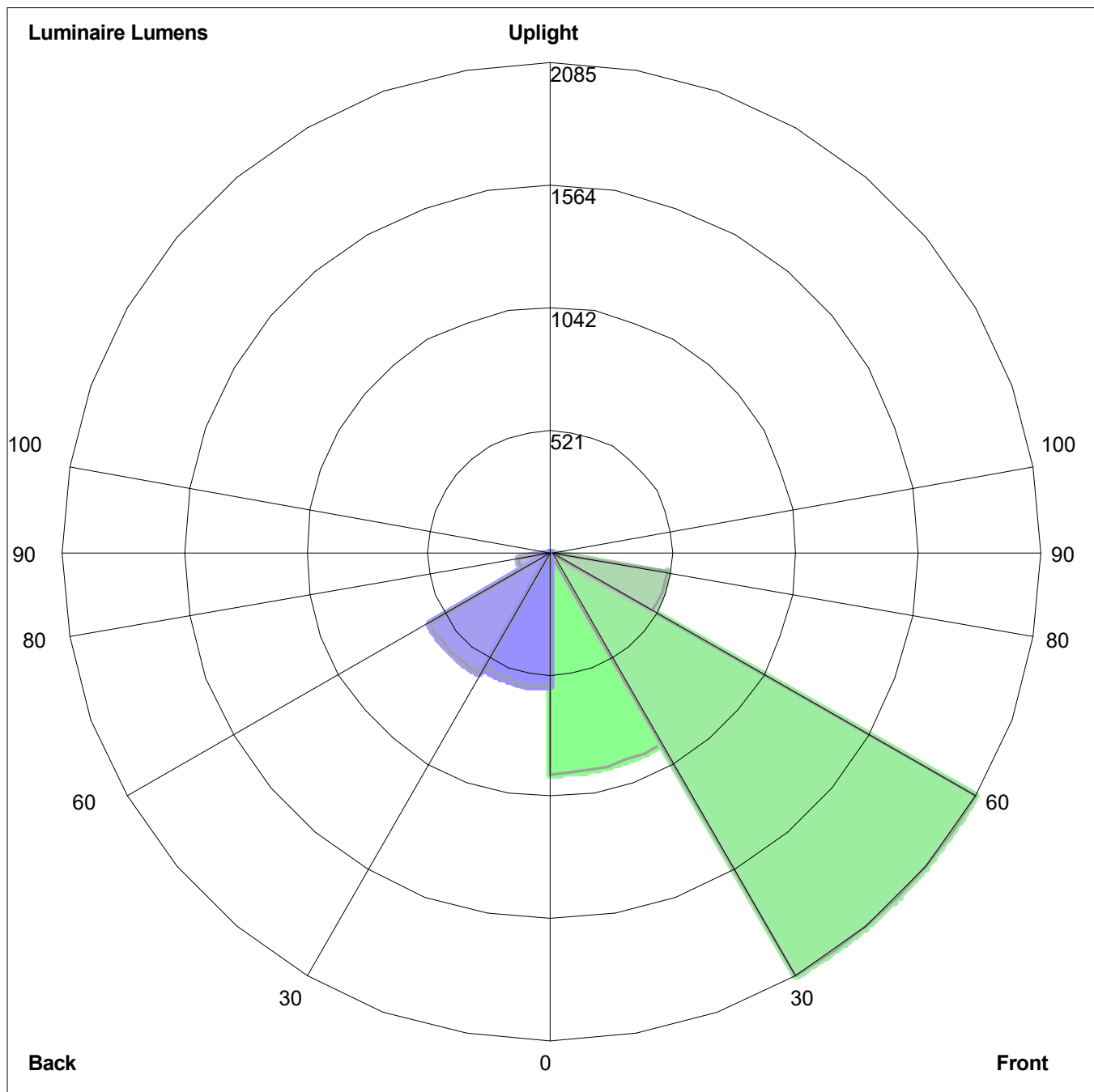


Maximum Candela = 2543 Located At Horizontal Angle = 360, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=944.5, Medium=2084.7, High=500.1, Very High=2.7
Back: Low=574.2, Medium=600.6, High=140.2, Very High=5.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1