



IES ROAD REPORT

PHOTOMETRIC FILENAME : ENM4-SAX-5W-LED-05L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11784

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 06/10/2020

[TEST DATE] 04/30/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] ENM4-SAX-5W-LED-05L-50

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5925
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	39.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3120
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	3120
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	414 (7.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	263.8	N.A.	4.5
FM - Front-Medium (30-60)	1215.0	N.A.	20.5
FH - Front-High (60-80)	1457.4	N.A.	24.6
FVH - Front-Very High (80-90)	26.5	N.A.	0.4
BL - Back-Low (0-30)	263.8	N.A.	4.5
BM - Back-Medium (30-60)	1215.0	N.A.	20.5
BH - Back-High (60-80)	1457.4	N.A.	24.6
BVH - Back-Very High (80-90)	26.5	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5925.4	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	518	518	518	518	518	518	518	518	518	518
2.5	520	520	519	519	520	520	520	520	519	519
5.0	522	522	522	522	523	523	523	523	522	522
7.5	527	527	527	529	529	529	530	529	528	529
10.0	535	535	537	538	539	539	540	539	539	539
12.5	548	548	549	552	552	553	553	551	551	550
15.0	565	566	567	570	572	572	571	569	567	567
17.5	584	584	588	592	596	596	594	589	587	585
20.0	606	606	611	617	625	626	623	613	608	604
22.5	629	629	636	648	657	659	654	644	631	626
25.0	653	654	664	679	694	697	691	674	657	648
27.5	677	679	692	714	733	740	731	709	686	673
30.0	703	706	722	751	777	786	774	744	716	699
32.5	731	733	755	787	821	834	819	783	750	730
35.0	760	763	790	828	867	882	865	825	786	763
37.5	793	796	825	870	915	932	913	869	826	800
40.0	828	832	863	916	964	985	965	919	869	843
42.5	867	871	906	963	1017	1041	1017	968	917	888
45.0	912	917	954	1011	1070	1098	1074	1018	967	933
47.5	965	968	1005	1062	1122	1156	1132	1074	1018	983
50.0	1023	1024	1062	1120	1181	1216	1190	1133	1074	1038
52.5	1081	1085	1121	1183	1246	1283	1255	1198	1134	1094
55.0	1152	1156	1190	1252	1317	1357	1324	1266	1203	1157
57.5	1232	1238	1275	1336	1405	1450	1406	1345	1280	1231
60.0	1341	1347	1384	1440	1524	1573	1513	1446	1384	1326
62.5	1478	1487	1536	1609	1693	1747	1667	1584	1513	1453
65.0	1605	1617	1692	1805	1946	2022	1893	1772	1696	1630
67.5	1652	1672	1803	2012	2276	2450	2247	2041	1930	1829
70.0	1399	1424	1627	2022	2627	3024	2670	2249	1869	1624
72.5	798	840	1095	1555	2345	3120	2483	1740	1285	1062
75.0	254	261	395	772	1569	2308	1700	941	567	446
77.5	127	128	163	273	593	1123	755	398	235	195
80.0	50	49	63	114	238	414	310	169	99	83
82.5	28	27	29	44	84	153	104	67	50	51
85.0	17	16	16	22	36	54	44	35	27	30
87.5	6	6	6	8	13	17	14	12	9	9
90.0	0	0	0	0	0	0	0	0	0	0

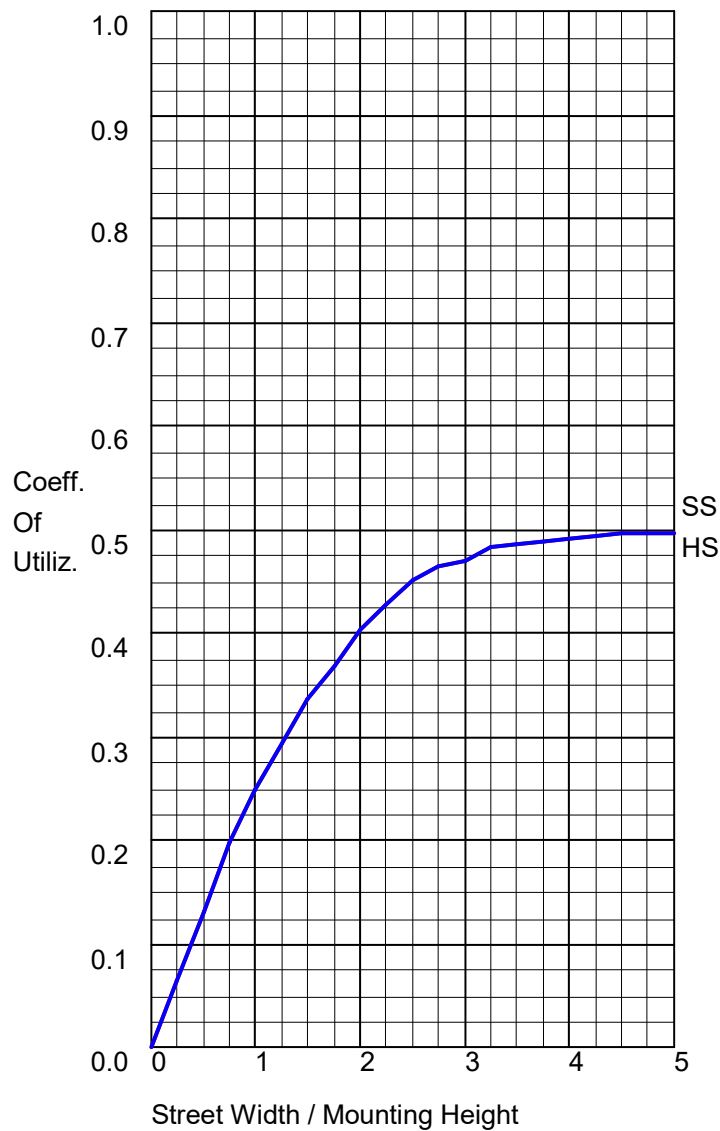
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	518
2.5	519
5.0	522
7.5	528
10.0	538
12.5	551
15.0	566
17.5	584
20.0	604
22.5	625
25.0	648
27.5	671

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CANDELA TABULATION - (Cont.)

30.0	697
32.5	727
35.0	761
37.5	799
40.0	839
42.5	886
45.0	931
47.5	981
50.0	1036
52.5	1092
55.0	1156
57.5	1228
60.0	1323
62.5	1456
65.0	1631
67.5	1829
70.0	1612
72.5	1046
75.0	444
77.5	186
80.0	84
82.5	52
85.0	28
87.5	8
90.0	0

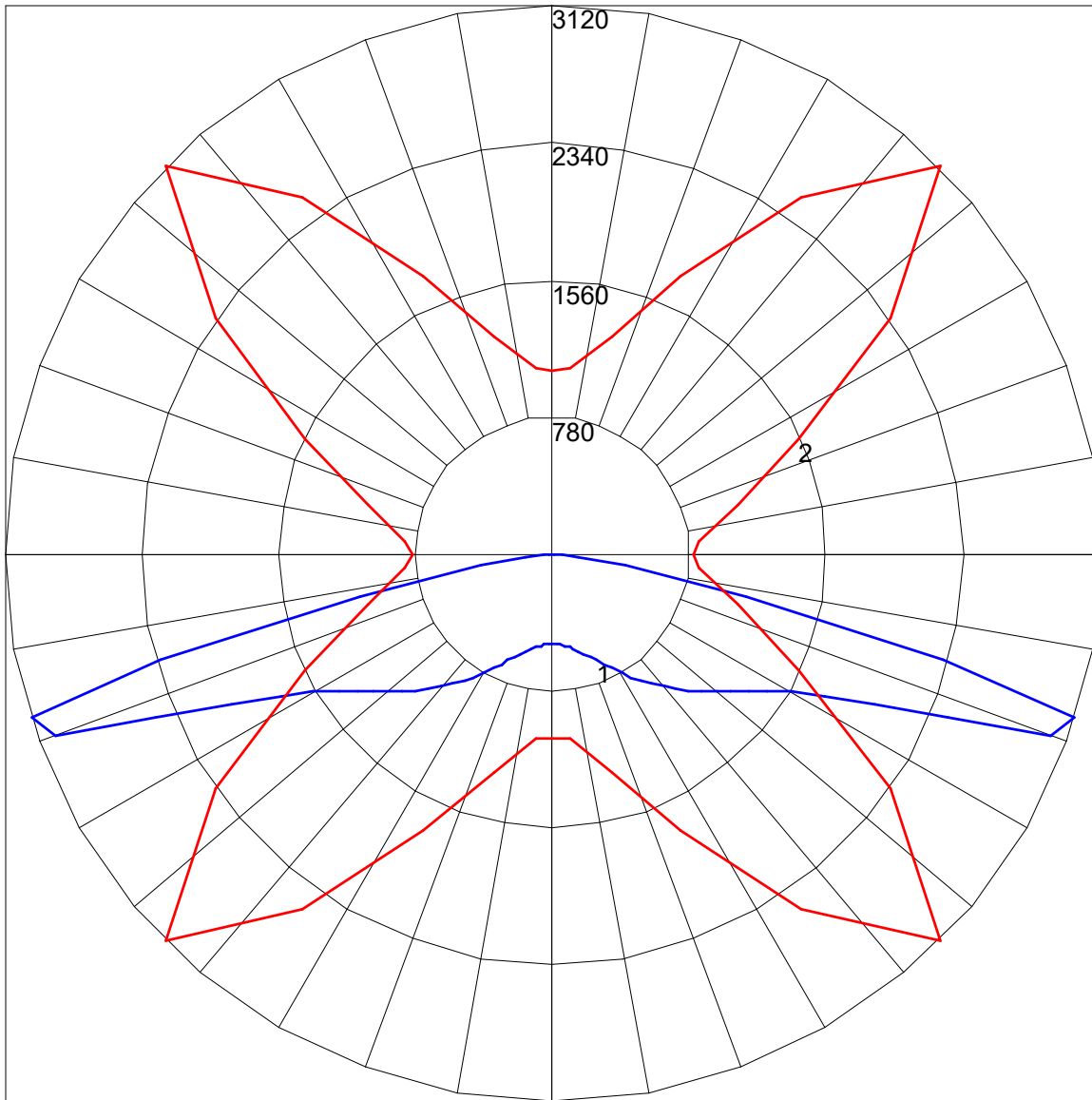
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

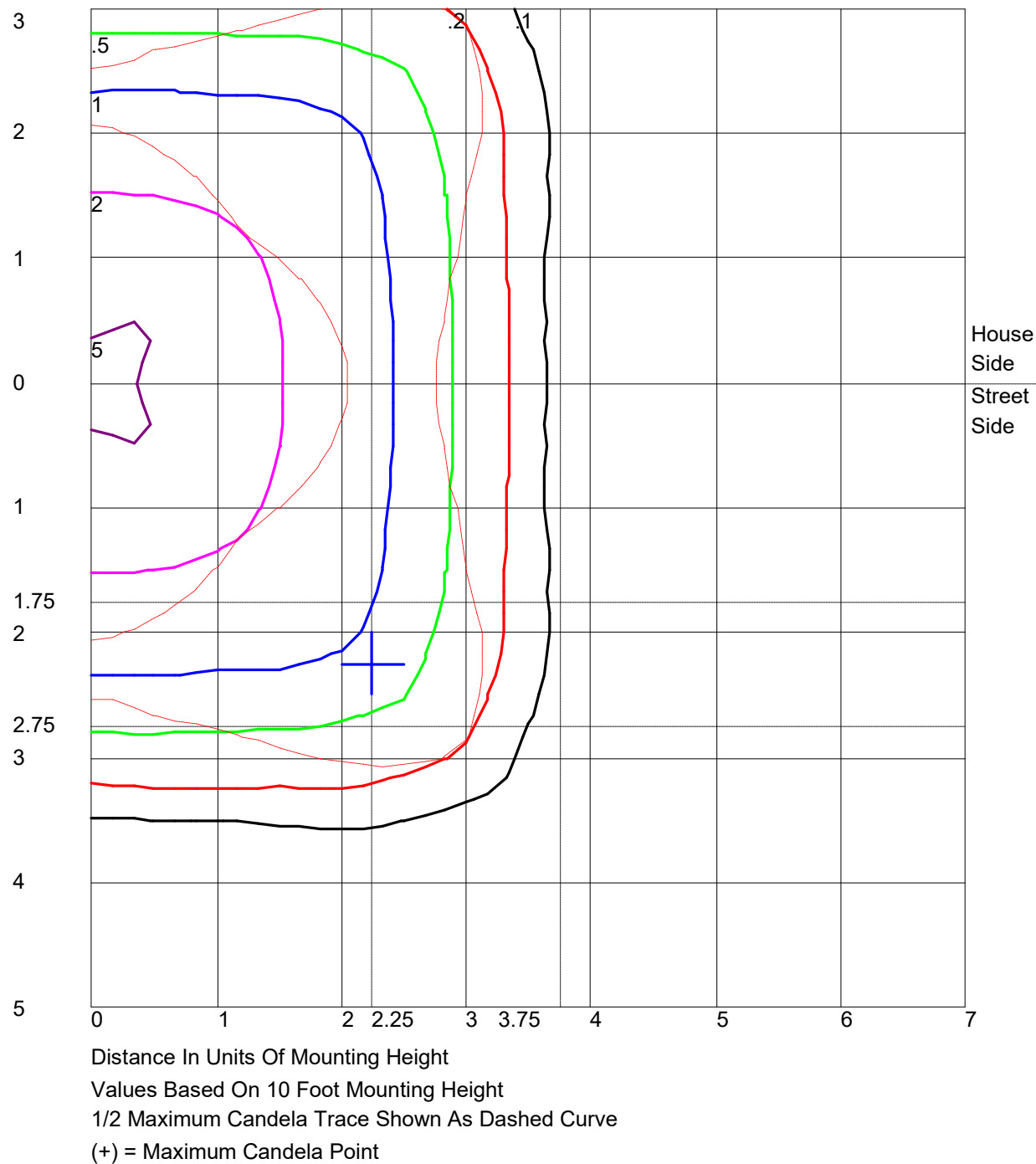
	Lumens	Percent Of Luminaire
Downward Street Side	2962.7	50.0
Downward House Side	2962.7	50.0
Downward Total	5925.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5925.4	100.0

POLAR GRAPH

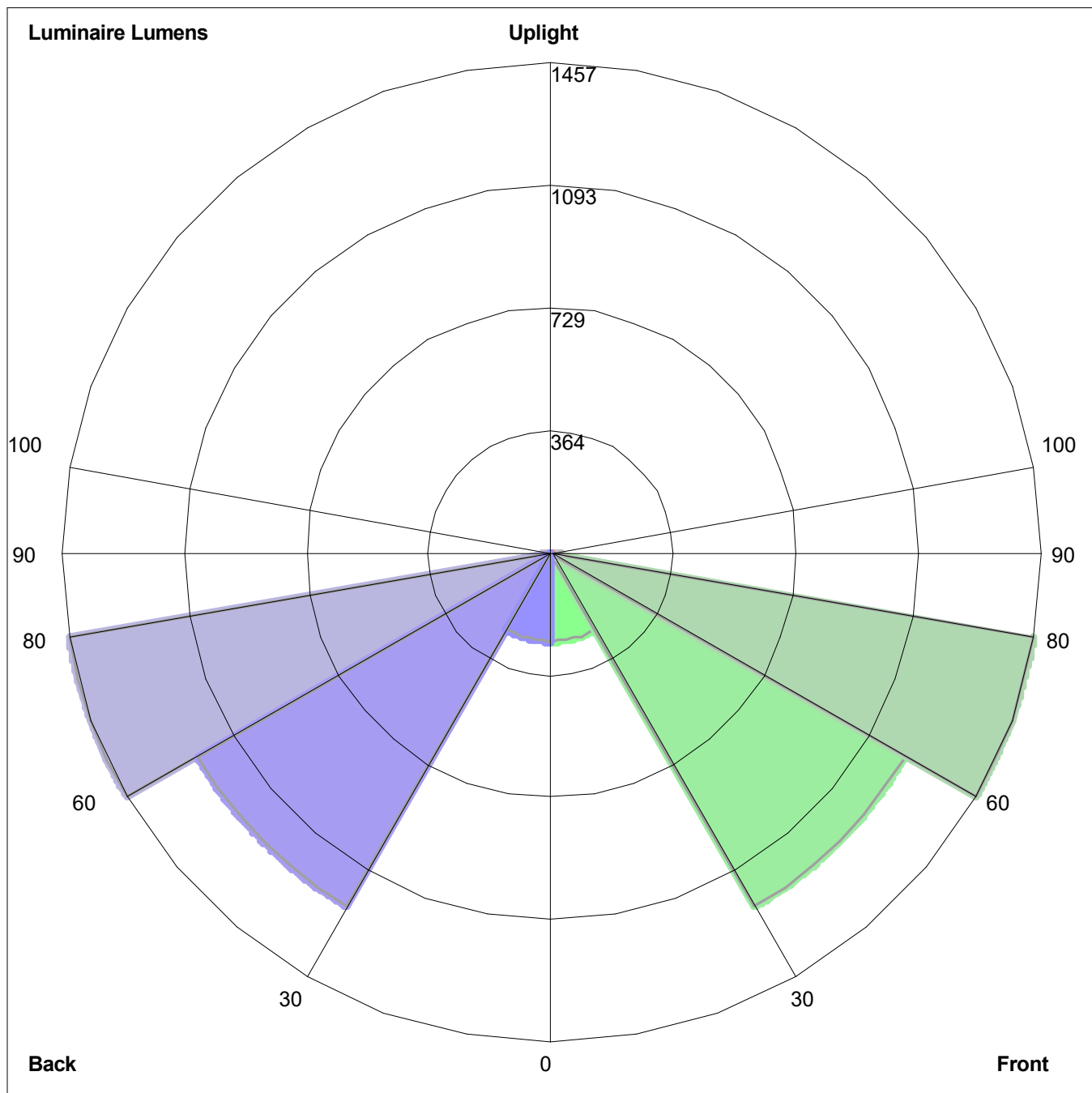


Maximum Candela = 3120 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=263.8, Medium= 1215.0, High=1457.4, Very High=26.5
Back: Low=263.8, Medium= 1215.0, High=1457.4, Very High=26.5
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1