



IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-SAX-5W-LED-05L-40.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
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] ENM4-SAX-5W-LED-05L-40
[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	5643
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	39.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2971
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	2971
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	394 (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)	251.3	N.A.	4.5
FM - Front-Medium (30-60)	1157.2	N.A.	20.5
FH - Front-High (60-80)	1388.0	N.A.	24.6
FVH - Front-Very High (80-90)	25.2	N.A.	0.4
BL - Back-Low (0-30)	251.3	N.A.	4.5
BM - Back-Medium (30-60)	1157.2	N.A.	20.5
BH - Back-High (60-80)	1388.0	N.A.	24.6
BVH - Back-Very High (80-90)	25.2	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	5643.4	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	493	493	493	493	493	493	493	493	493	493
2.5	495	495	494	494	495	495	495	495	494	494
5.0	497	497	497	497	498	498	498	498	497	497
7.5	502	502	502	504	504	504	505	504	503	504
10.0	510	510	511	512	513	513	514	513	513	513
12.5	522	522	523	526	526	527	527	525	525	524
15.0	538	539	540	543	545	545	544	542	540	540
17.5	556	556	560	564	568	568	566	561	559	557
20.0	577	577	582	588	595	596	593	584	579	575
22.5	599	599	606	617	626	628	623	613	601	596
25.0	622	623	632	647	661	664	658	642	626	617
27.5	645	647	659	680	698	705	696	675	653	641
30.0	670	672	688	715	740	749	737	709	682	666
32.5	696	698	719	750	782	794	780	746	714	695
35.0	724	727	752	789	826	840	824	786	749	727
37.5	755	758	786	829	871	888	870	828	787	762
40.0	789	792	822	872	918	938	919	875	828	803
42.5	826	830	863	917	969	991	969	922	873	846
45.0	869	873	909	963	1019	1046	1023	970	921	889
47.5	919	922	957	1011	1069	1101	1078	1023	970	936
50.0	974	975	1011	1067	1125	1158	1133	1079	1023	989
52.5	1030	1033	1068	1127	1187	1222	1195	1141	1080	1042
55.0	1097	1101	1133	1192	1254	1292	1261	1206	1146	1102
57.5	1173	1179	1214	1272	1338	1381	1339	1281	1219	1172
60.0	1277	1283	1318	1371	1451	1498	1441	1377	1318	1263
62.5	1408	1416	1463	1532	1612	1664	1588	1509	1441	1384
65.0	1529	1540	1611	1719	1853	1926	1803	1688	1615	1552
67.5	1573	1592	1717	1916	2168	2333	2140	1944	1838	1742
70.0	1332	1356	1550	1926	2502	2880	2543	2142	1780	1547
72.5	760	800	1043	1481	2233	2971	2365	1657	1224	1011
75.0	242	249	376	735	1494	2198	1619	896	540	425
77.5	121	122	155	260	565	1070	719	379	224	186
80.0	48	47	60	109	227	394	295	161	94	79
82.5	27	26	28	42	80	146	99	64	48	49
85.0	16	15	15	21	34	51	42	33	26	29
87.5	6	6	6	8	12	16	13	11	9	9
90.0	0	0	0	0	0	0	0	0	0	0

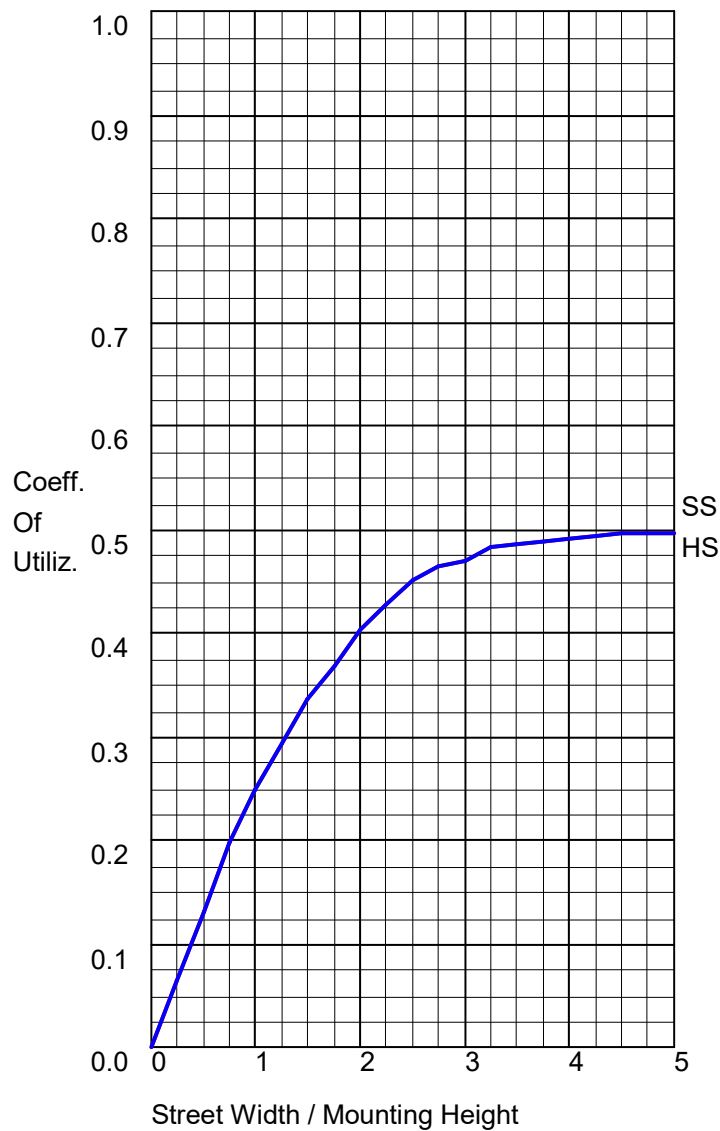
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	493
2.5	494
5.0	497
7.5	503
10.0	512
12.5	525
15.0	539
17.5	556
20.0	575
22.5	595
25.0	617
27.5	639

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CANDELA TABULATION - (Cont.)

30.0	664
32.5	692
35.0	725
37.5	761
40.0	799
42.5	844
45.0	887
47.5	934
50.0	987
52.5	1040
55.0	1101
57.5	1170
60.0	1260
62.5	1387
65.0	1553
67.5	1742
70.0	1535
72.5	996
75.0	423
77.5	177
80.0	80
82.5	50
85.0	27
87.5	8
90.0	0

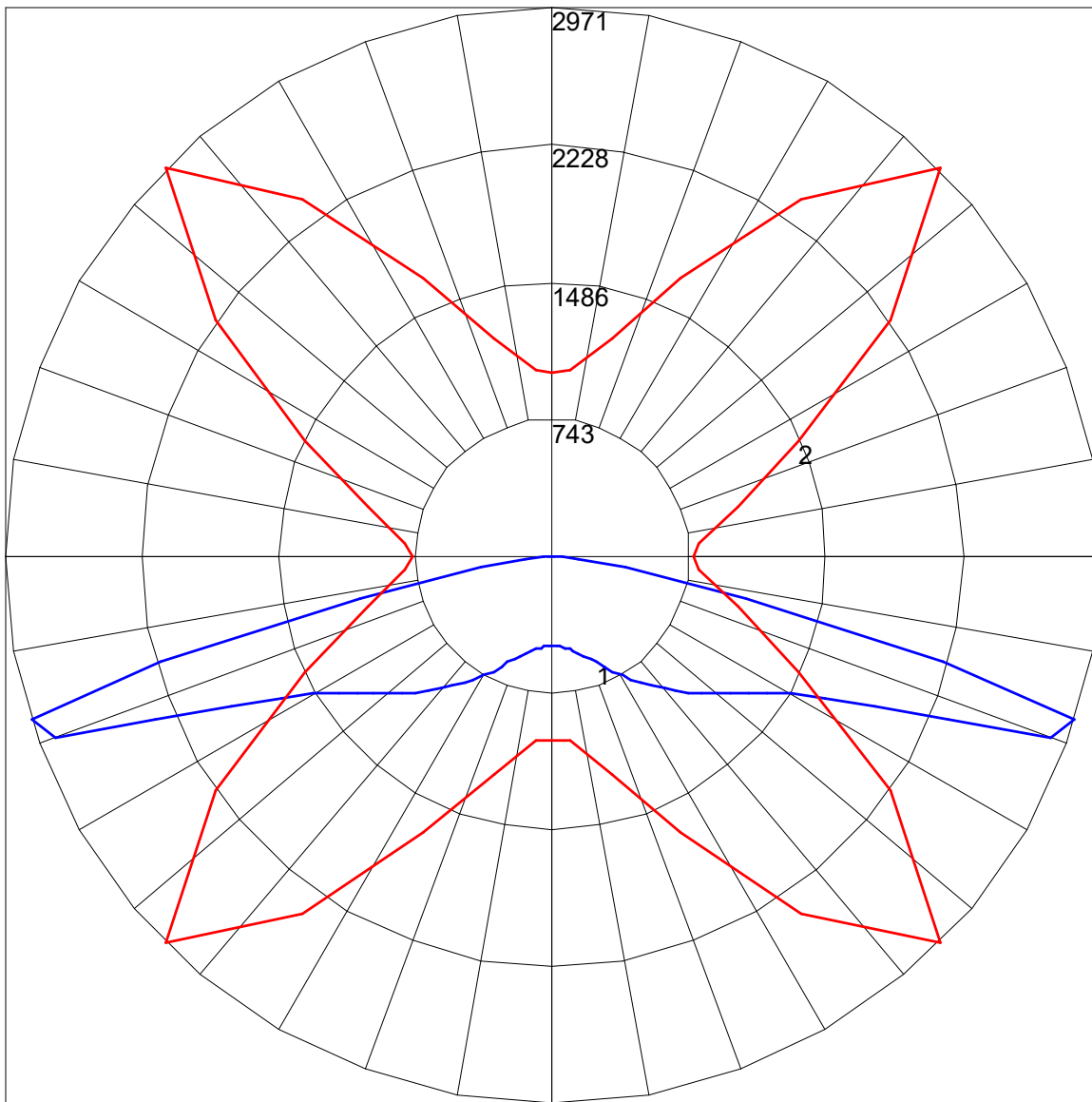
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

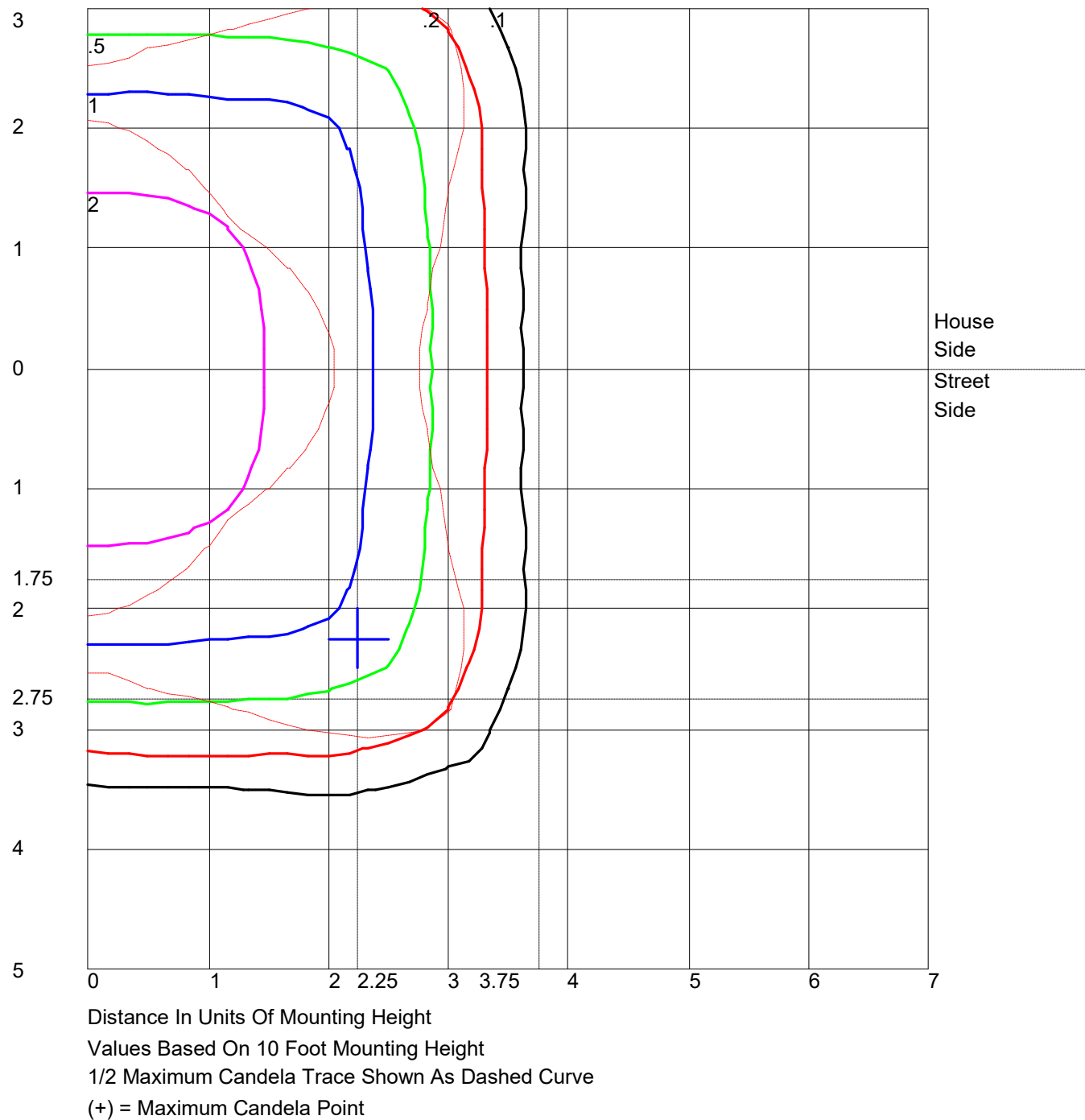
	Lumens	Percent Of Luminaire
Downward Street Side	2821.7	50.0
Downward House Side	2821.7	50.0
Downward Total	5643.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5643.4	100.0

POLAR GRAPH

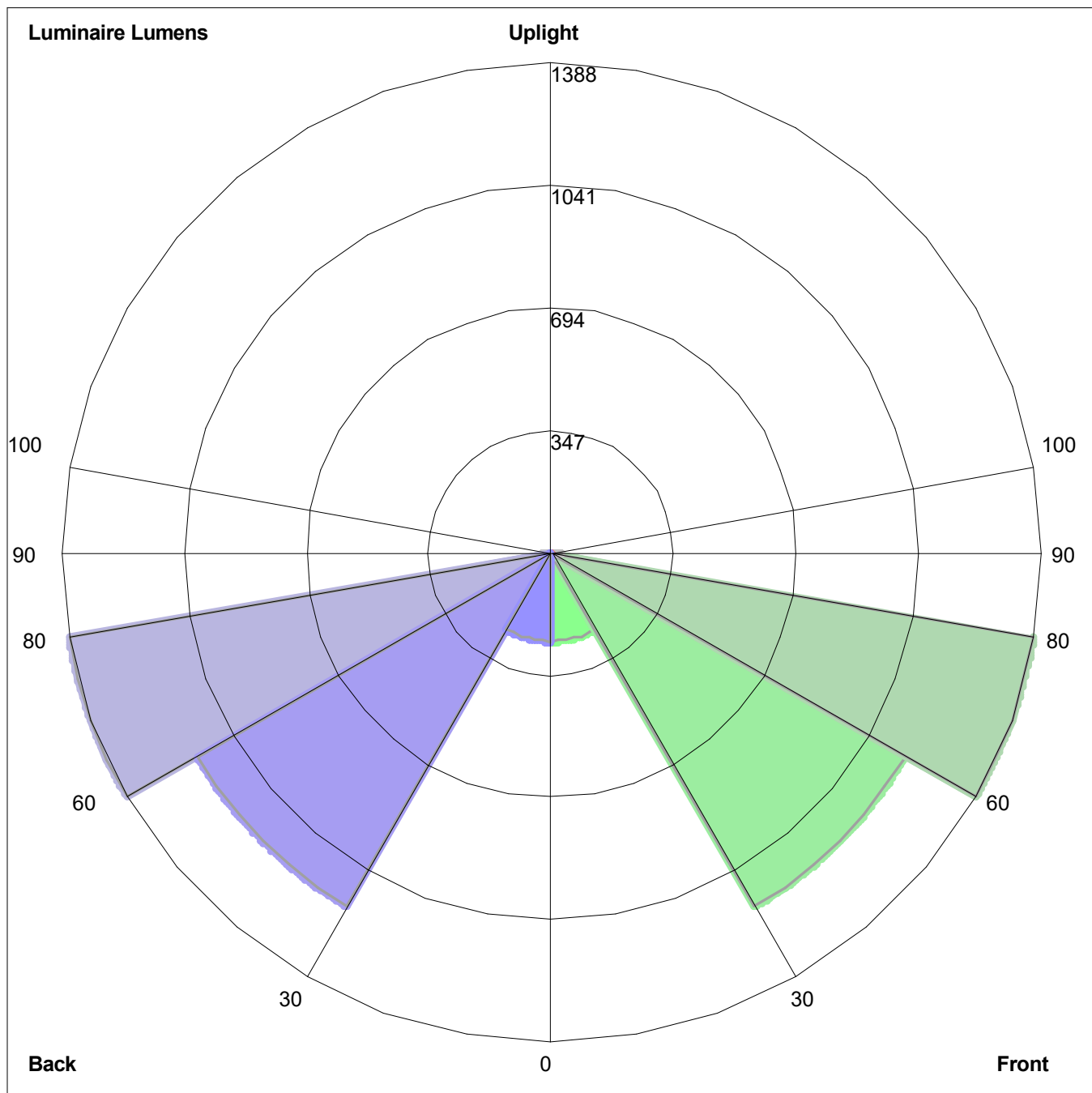


Maximum Candela = 2971 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=251.3, Medium=1157.2, High= 1388.0, Very High=25.2
Back: Low=251.3, Medium=1157.2, High= 1388.0, Very High=25.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1