



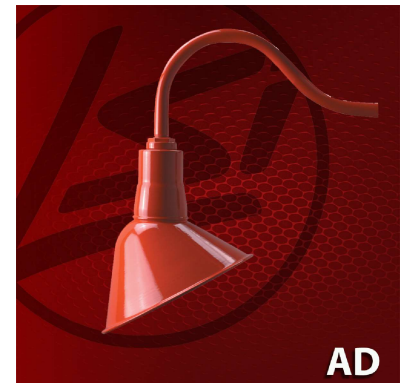
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-12L-40-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11887  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 06/05/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] AD-12L-40-GWT  
[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] Indoor  
[SEARCH\_APPLICATION] Outdoor

**CHARACTERISTICS**

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1149
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	429
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	429
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	31 (2.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	70 (6.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	165.9	N.A.	14.4
FM - Front-Medium (30-60)	285.0	N.A.	24.8
FH - Front-High (60-80)	44.4	N.A.	3.9
FVH - Front-Very High (80-90)	1.4	N.A.	0.1
BL - Back-Low (0-30)	172.5	N.A.	15.0
BM - Back-Medium (30-60)	324.3	N.A.	28.2
BH - Back-High (60-80)	118.6	N.A.	10.3
BVH - Back-Very High (80-90)	19.2	N.A.	1.7
UL - Uplight-Low (90-100)	9.1	N.A.	0.8
UH - Uplight-High (100-180)	8.8	N.A.	0.8
Total	1149.2	N.A.	100.0
BUG Rating	B1-U1-G1		

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**CANDELA TABULATION**

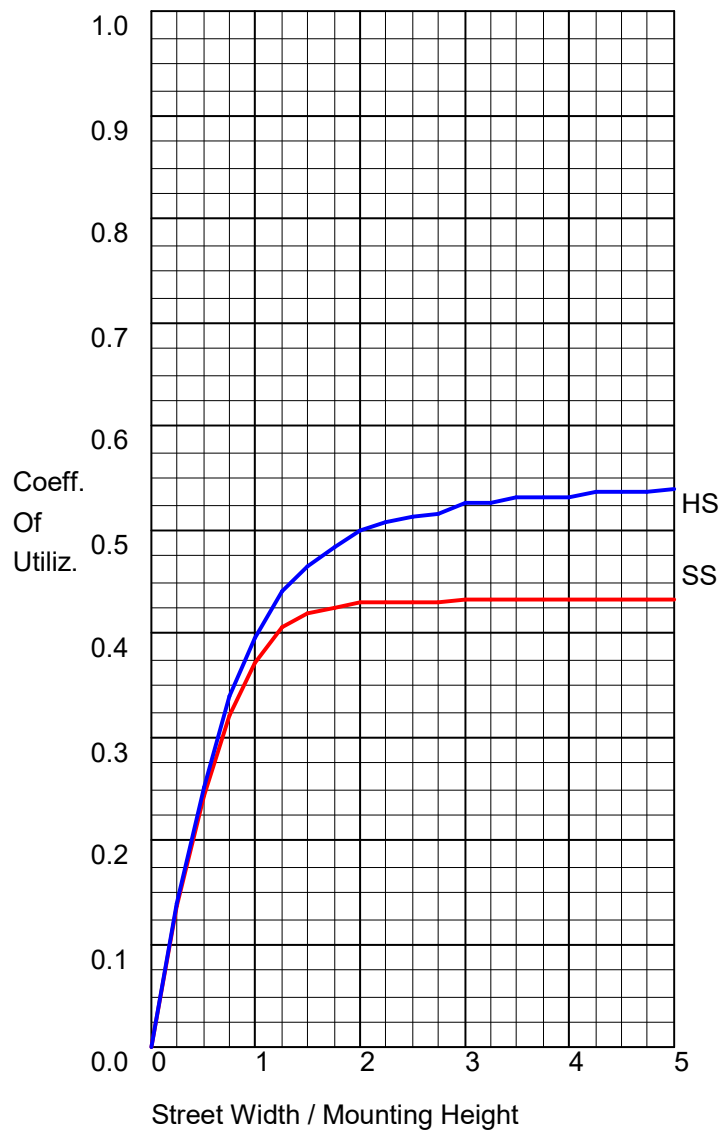
Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	420	420	420	420	420	420	420	420	420
2.5	416	416	417	419	421	423	425	426	425
5.0	415	415	416	418	421	424	426	427	427
7.5	413	413	414	417	421	424	426	428	428
10.0	411	411	413	416	420	423	426	428	429
12.5	408	408	410	413	417	421	425	427	428
15.0	405	405	407	410	414	419	423	425	426
17.5	400	401	402	405	410	415	420	423	423
20.0	395	395	397	400	405	411	416	419	420
22.5	388	389	391	394	399	405	410	414	415
25.0	381	382	384	387	391	397	404	408	409
27.5	372	373	375	378	382	389	396	400	402
30.0	361	362	364	367	370	378	386	390	392
32.5	349	350	352	354	358	366	374	379	382
35.0	333	336	338	340	343	352	360	366	369
37.5	317	318	322	324	327	337	346	352	354
40.0	301	301	306	308	309	321	331	337	339
42.5	279	282	288	290	291	303	315	320	324
45.0	259	263	269	271	272	286	297	304	308
47.5	236	241	250	253	252	268	279	286	291
50.0	209	218	231	233	232	248	262	269	275
52.5	176	191	210	214	212	228	243	251	259
55.0	130	157	188	194	192	210	225	233	243
57.5	77	111	163	175	173	192	207	215	225
60.0	37	61	136	155	155	174	188	196	203
62.5	21	28	100	136	137	156	171	177	184
65.0	16	18	62	118	121	139	153	160	166
67.5	12	13	31	98	105	122	135	143	148
70.0	8	9	16	78	88	106	119	127	131
72.5	3	5	10	57	72	89	103	111	115
75.0	0	1	7	35	58	75	88	96	99
77.5	0	0	3	17	45	61	73	81	84
80.0	0	0	1	7	33	48	60	67	70
82.5	0	0	0	4	22	36	47	54	57
85.0	0	0	0	2	13	26	36	43	45
87.5	0	0	0	1	6	17	27	34	36
90.0	0	0	0	0	2	12	22	29	31
92.5	0	0	0	0	2	10	20	27	29
95.0	0	0	0	0	1	9	19	25	27
97.5	0	0	0	0	1	7	17	23	25
100.0	0	0	0	0	1	5	14	20	22
102.5	0	0	0	0	1	4	12	17	19
105.0	0	0	0	0	0	4	10	14	16
107.5	0	0	0	0	0	4	8	13	13
110.0	0	0	0	0	0	3	7	12	12
112.5	0	0	0	0	0	2	7	10	12
115.0	0	0	0	0	0	1	7	8	10
117.5	0	0	0	0	0	0	6	8	9
120.0	0	0	0	0	0	0	4	8	9
122.5	0	0	0	0	0	0	2	7	8
125.0	0	0	0	0	0	0	0	6	7
127.5	0	0	0	0	0	0	0	3	6
130.0	0	0	0	0	0	0	0	0	1

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CANDELA TABULATION - (Cont.)

132.5	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	1	1	0
155.0	0	1	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	1	0	0
180.0	0	0	0	0	0	0	0	0	0

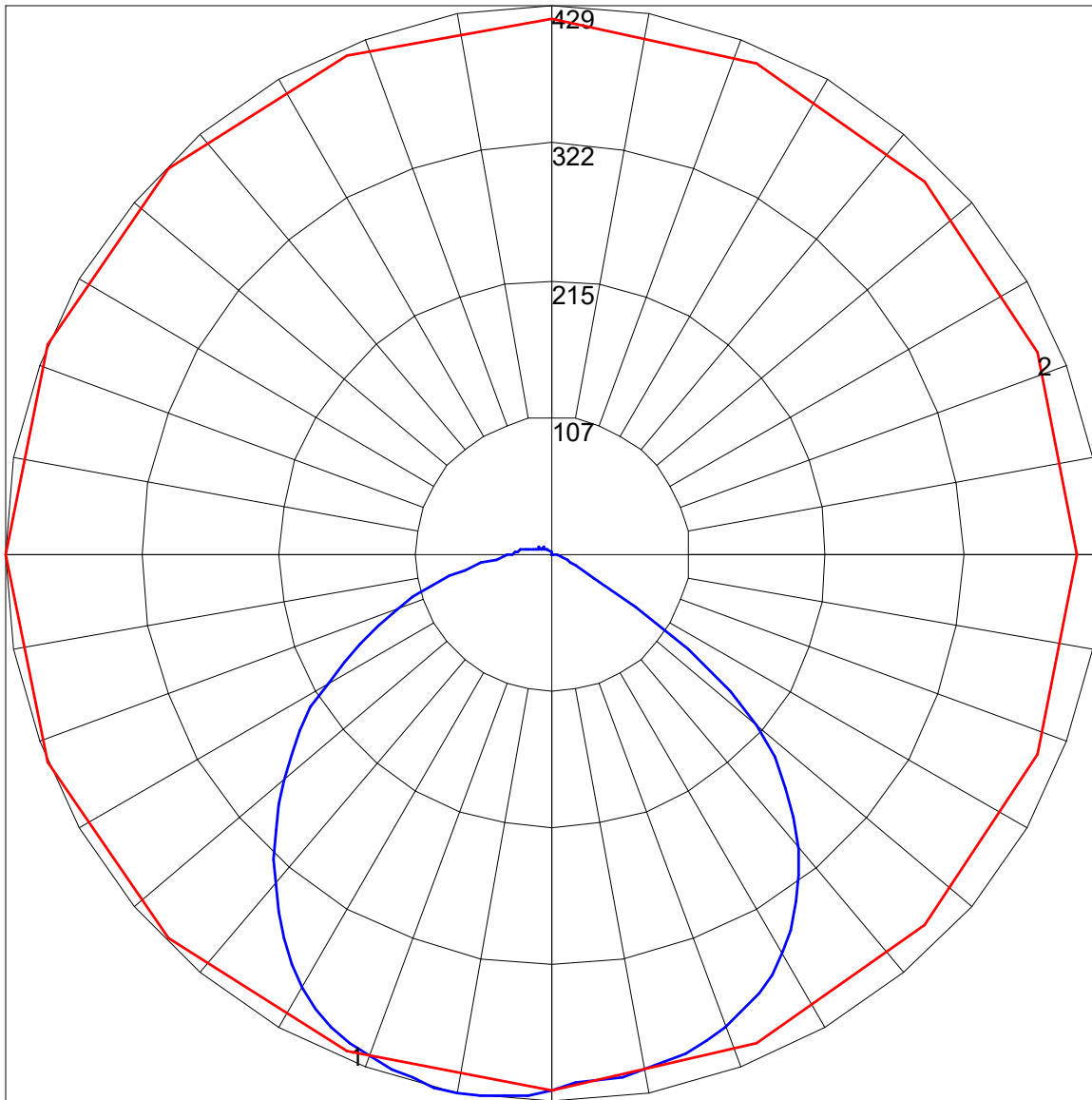
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

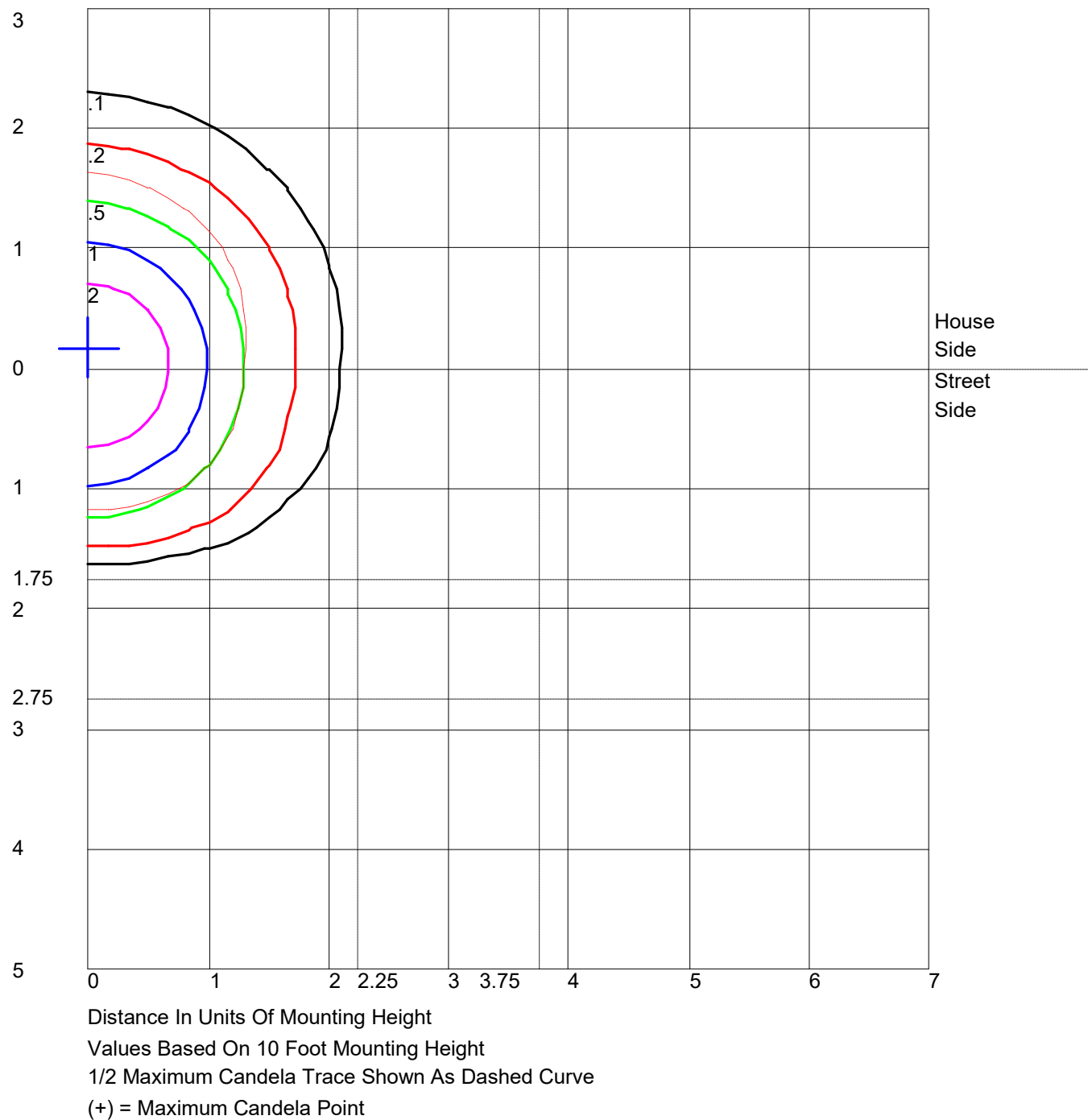
	Lumens	Percent Of Luminaire
Downward Street Side	496.7	43.2
Downward House Side	634.6	55.2
Downward Total	1131.3	98.4
Upward Street Side	0.1	0.0
Upward House Side	17.8	1.5
Upward Total	17.9	1.6
Total Flux	1149.2	100.0

POLAR GRAPH

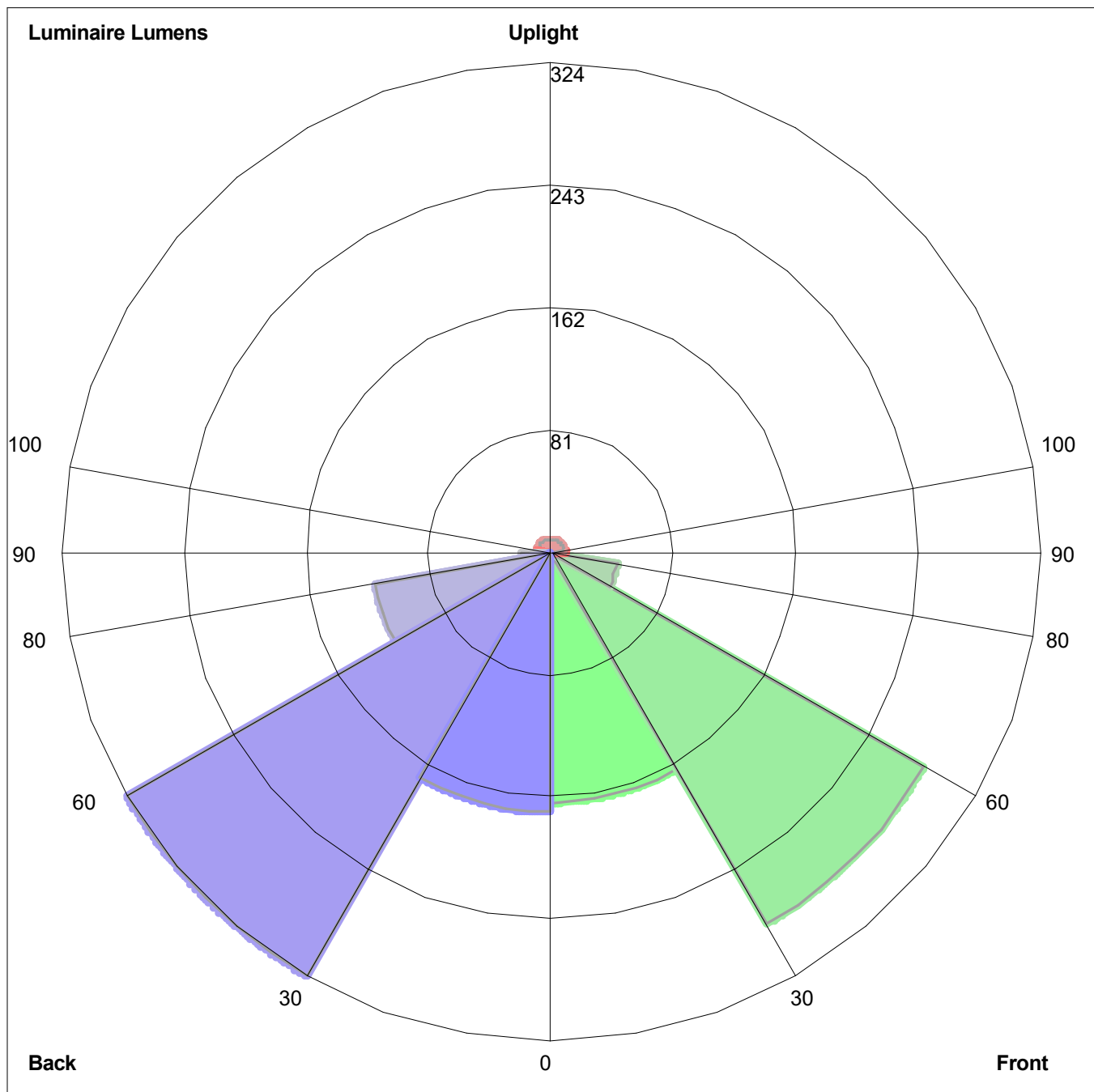


Maximum Candela = 429 Located At Horizontal Angle = 180, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=165.9, Medium=285.0, High=44.4, Very High=1.4  
Back: Low=172.5, Medium=324.3, High=118.6, Very High=19.2  
Uplight: Low=9.1, High=8.8

BUG Rating : B1-U1-G1