



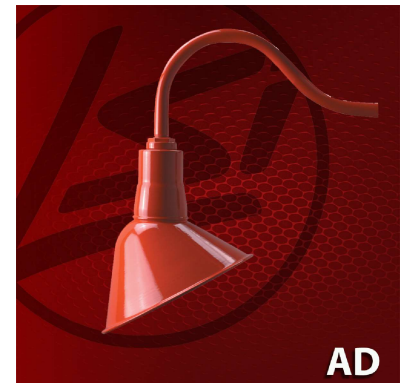
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-12L-27-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11884  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 06/05/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] AD-12L-27-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	1161
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	440
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	440
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	39 (3.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	77 (6.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	169.8	N.A.	14.6
FM - Front-Medium (30-60)	274.6	N.A.	23.7
FH - Front-High (60-80)	37.2	N.A.	3.2
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	176.3	N.A.	15.2
BM - Back-Medium (30-60)	333.0	N.A.	28.7
BH - Back-High (60-80)	124.1	N.A.	10.7
BVH - Back-Very High (80-90)	21.5	N.A.	1.9
UL - Uplight-Low (90-100)	11.6	N.A.	1.0
UH - Uplight-High (100-180)	11.3	N.A.	1.0
Total	1160.7	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

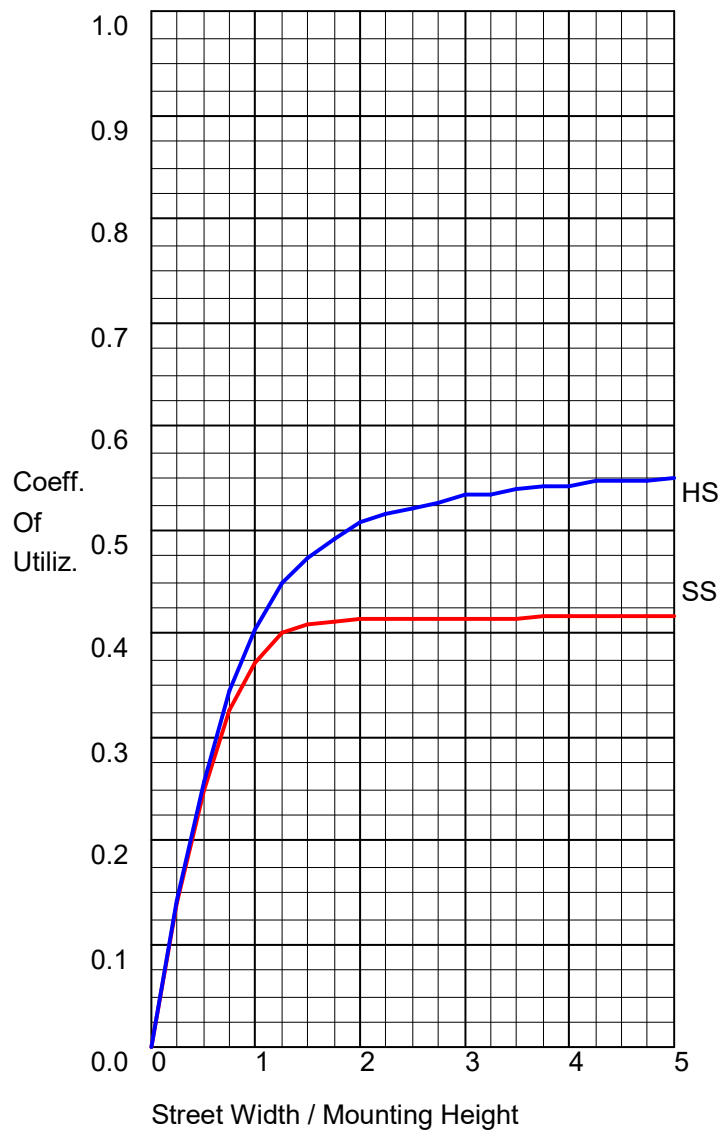
Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	431	431	431	431	431	431	431	431	431
2.5	425	426	429	432	432	432	433	436	437
5.0	424	425	429	432	433	432	434	438	439
7.5	422	423	427	430	432	432	435	439	440
10.0	419	421	424	429	430	431	434	439	440
12.5	417	418	422	426	428	429	433	438	439
15.0	413	414	418	422	425	426	431	436	437
17.5	408	409	413	417	420	423	428	433	436
20.0	402	404	408	412	415	418	424	429	432
22.5	395	397	401	405	408	411	418	424	427
25.0	387	388	393	397	400	404	411	418	421
27.5	376	378	383	387	391	395	402	410	413
30.0	364	366	372	376	380	385	392	400	404
32.5	350	352	357	363	368	372	379	388	393
35.0	334	334	341	349	354	358	366	375	380
37.5	317	317	324	333	339	344	351	361	366
40.0	296	298	306	317	323	328	335	345	351
42.5	274	278	286	299	306	311	317	329	336
45.0	247	254	265	280	288	293	298	311	320
47.5	213	226	243	259	269	274	280	293	305
50.0	163	190	220	240	250	255	262	275	290
52.5	102	140	195	220	231	236	242	257	274
55.0	51	85	165	199	212	218	223	239	257
57.5	25	41	127	179	193	199	205	219	237
60.0	19	22	86	159	175	181	188	202	217
62.5	15	17	48	137	156	163	169	183	195
65.0	11	13	23	114	137	146	152	166	177
67.5	7	9	15	90	118	127	135	149	157
70.0	2	5	11	64	100	110	120	132	140
72.5	0	1	7	38	82	94	103	116	122
75.0	0	0	3	19	66	79	89	102	106
77.5	0	0	1	9	51	65	76	87	91
80.0	0	0	0	5	37	52	63	72	77
82.5	0	0	0	2	24	40	51	60	64
85.0	0	0	0	1	13	28	40	49	52
87.5	0	0	0	0	6	19	32	40	43
90.0	0	0	0	0	3	15	28	36	39
92.5	0	0	0	0	1	13	26	34	37
95.0	0	0	0	0	1	11	24	32	35
97.5	0	0	0	0	1	8	22	30	32
100.0	0	0	0	0	1	6	19	27	29
102.5	0	0	0	0	0	4	16	24	25
105.0	0	0	0	0	0	4	14	21	22
107.5	0	0	0	0	0	3	12	18	19
110.0	0	0	0	0	0	3	9	15	16
112.5	0	0	0	0	0	2	8	14	15
115.0	0	0	0	0	0	1	7	12	14
117.5	0	0	0	0	0	0	7	10	11
120.0	0	0	0	0	0	0	5	9	10
122.5	0	0	0	0	0	0	2	8	9
125.0	0	0	0	0	0	0	0	7	8
127.5	0	0	0	0	0	0	0	4	7
130.0	0	0	0	0	0	0	0	1	3

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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	0	0	0
155.0	0	0	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	1	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	1	1
170.0	0	0	0	0	0	0	0	0	1
172.5	0	0	0	0	0	0	0	0	1
175.0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	1	0
180.0	0	0	0	0	0	0	0	0	0

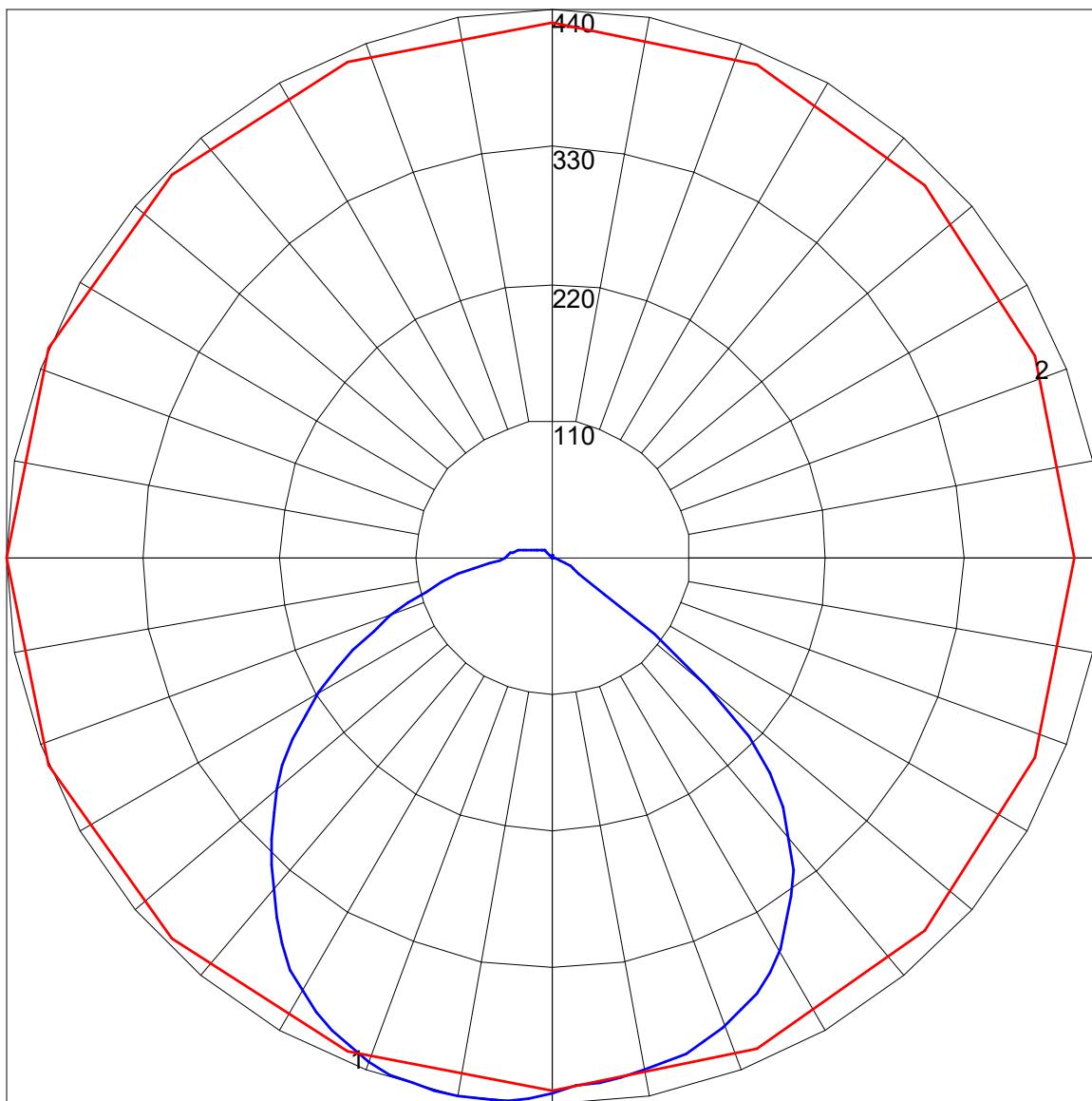
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	482.9	41.6
Downward House Side	654.9	56.4
Downward Total	1137.8	98.0
Upward Street Side	0.1	0.0
Upward House Side	22.8	2.0
Upward Total	22.9	2.0
Total Flux	1160.7	100.0

POLAR GRAPH

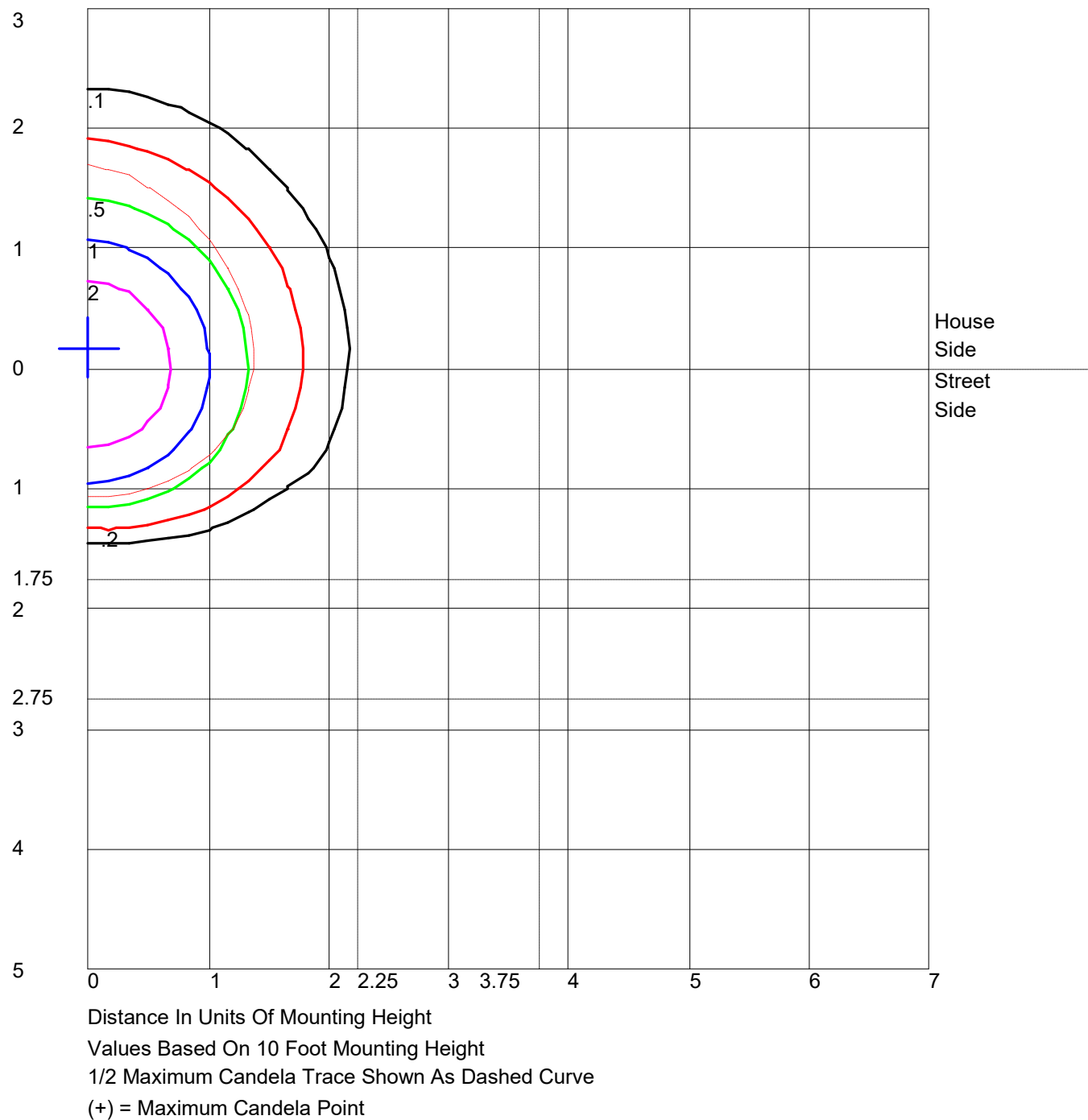


Maximum Candela = 440 Located At Horizontal Angle = 180, Vertical Angle = 10

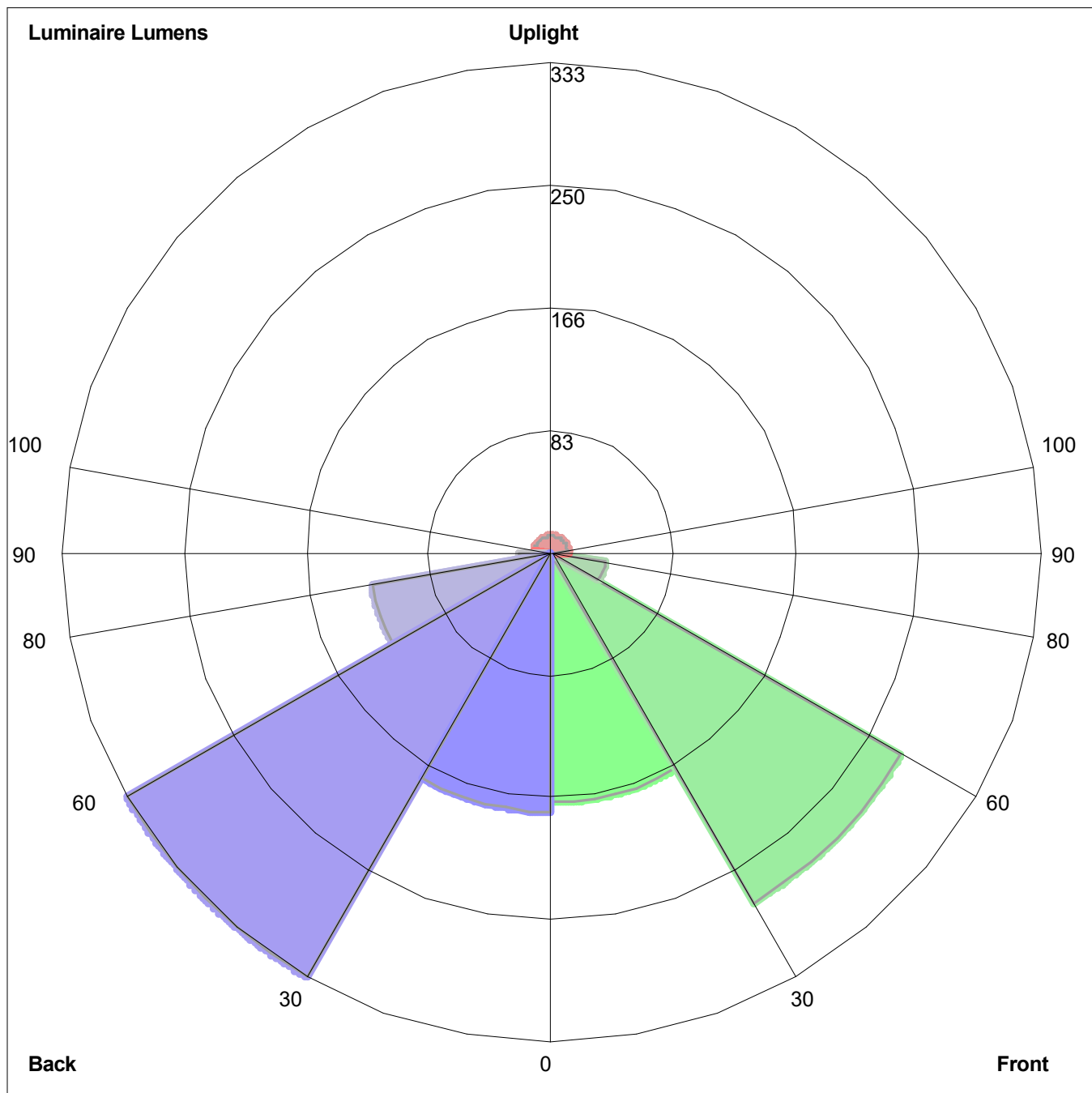
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=169.8, Medium=274.6, High=37.2, Very High=1.3  
Back: Low=176.3, Medium=333.0, High=124.1, Very High=21.5  
Uplight: Low=11.6, High=11.3

BUG Rating : B1-U2-G1