



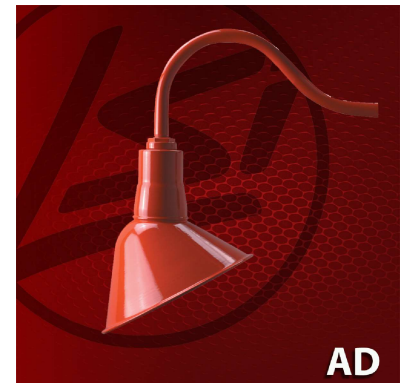
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-12L-35-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11886  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 06/05/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] AD-12L-35-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	1152
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	0.01
Maximum Candela	425
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	425
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	22 (1.9% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	58 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	165.2	N.A.	14.3
FM - Front-Medium (30-60)	292.4	N.A.	25.4
FH - Front-High (60-80)	59.8	N.A.	5.2
FVH - Front-Very High (80-90)	2.1	N.A.	0.2
BL - Back-Low (0-30)	170.5	N.A.	14.8
BM - Back-Medium (30-60)	317.6	N.A.	27.6
BH - Back-High (60-80)	112.6	N.A.	9.8
BVH - Back-Very High (80-90)	16.7	N.A.	1.4
UL - Uplight-Low (90-100)	7.0	N.A.	0.6
UH - Uplight-High (100-180)	7.8	N.A.	0.7
Total	1151.7	N.A.	100.0
BUG Rating	B1-U1-G1		

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**CANDELA TABULATION**

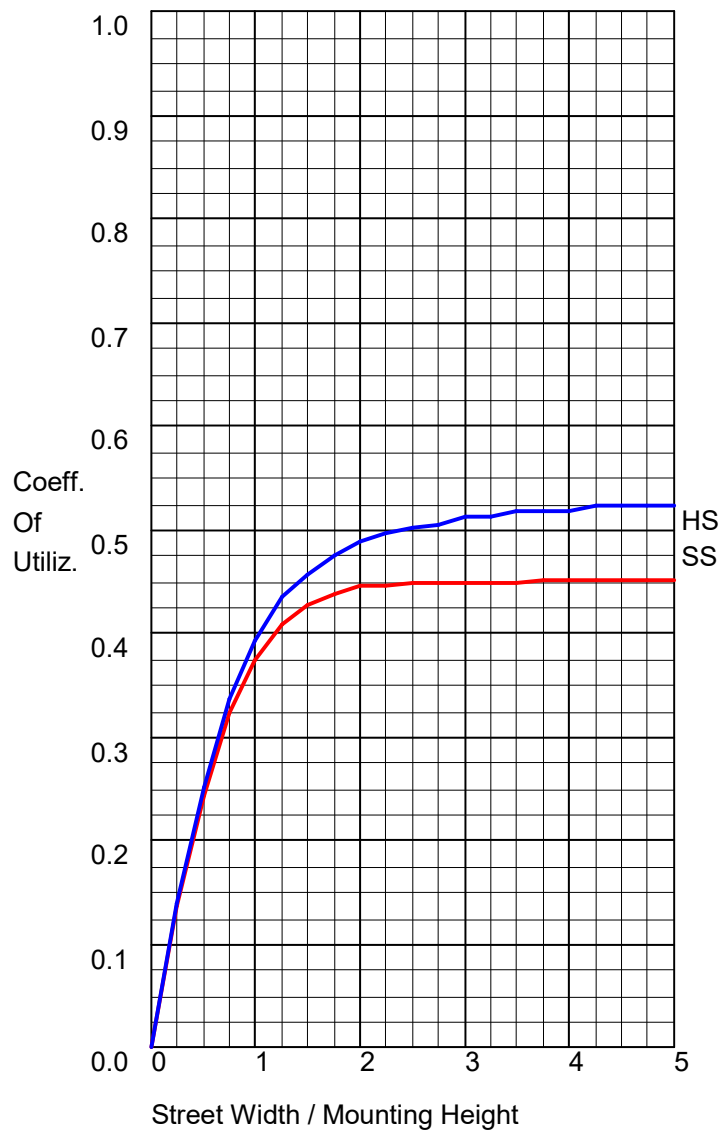
Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	418	418	418	418	418	418	418	418	418
2.5	415	416	417	418	419	420	421	423	423
5.0	414	415	417	418	419	421	423	424	424
7.5	413	413	415	417	419	421	423	424	425
10.0	410	411	413	415	417	420	422	424	425
12.5	408	408	410	412	415	418	421	423	423
15.0	404	404	406	409	412	415	418	420	421
17.5	399	400	402	404	408	412	415	418	418
20.0	393	393	396	399	402	407	410	413	414
22.5	386	387	389	392	397	401	405	407	408
25.0	378	379	381	385	389	394	397	400	402
27.5	369	370	372	376	380	385	389	392	392
30.0	356	359	362	365	369	375	379	382	382
32.5	343	345	350	353	357	363	368	370	370
35.0	328	331	336	340	344	349	355	357	356
37.5	311	316	321	325	329	335	341	342	340
40.0	294	300	305	309	314	320	325	326	323
42.5	275	282	289	293	297	304	309	310	306
45.0	255	263	270	275	280	286	292	292	287
47.5	231	242	253	257	263	269	275	274	268
50.0	209	221	233	239	245	251	256	255	247
52.5	186	200	214	220	226	233	238	236	228
55.0	161	178	194	201	208	214	220	218	211
57.5	131	153	174	183	189	194	201	201	193
60.0	95	122	153	164	169	176	184	183	174
62.5	58	85	131	145	151	158	165	165	156
65.0	25	45	106	126	134	141	147	148	140
67.5	15	20	75	108	116	123	130	130	121
70.0	10	12	43	90	99	107	114	113	106
72.5	6	8	21	72	83	90	97	98	92
75.0	2	4	10	54	68	75	82	84	79
77.5	0	1	6	35	53	60	68	71	67
80.0	0	0	2	19	38	47	54	58	55
82.5	0	0	1	9	26	35	42	46	45
85.0	0	0	0	3	16	24	31	35	35
87.5	0	0	0	1	8	16	22	26	27
90.0	0	0	0	1	4	11	17	21	22
92.5	0	0	0	0	2	9	15	19	20
95.0	0	0	0	0	2	8	14	18	19
97.5	0	0	0	0	2	6	13	16	17
100.0	0	0	0	0	1	5	11	14	15
102.5	0	0	0	0	1	5	10	12	13
105.0	0	0	0	0	1	5	8	11	10
107.5	0	0	0	0	1	4	7	10	10
110.0	0	0	0	0	0	4	7	9	10
112.5	0	0	0	0	0	3	7	8	9
115.0	0	0	0	0	0	2	7	8	8
117.5	0	0	0	0	0	1	6	8	8
120.0	0	0	0	0	0	0	5	7	8
122.5	0	0	0	0	0	0	3	7	7
125.0	0	0	0	0	0	0	1	6	6
127.5	0	0	0	0	0	0	0	4	5
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	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	0	0	0
180.0	0	0	0	0	0	0	0	0	0

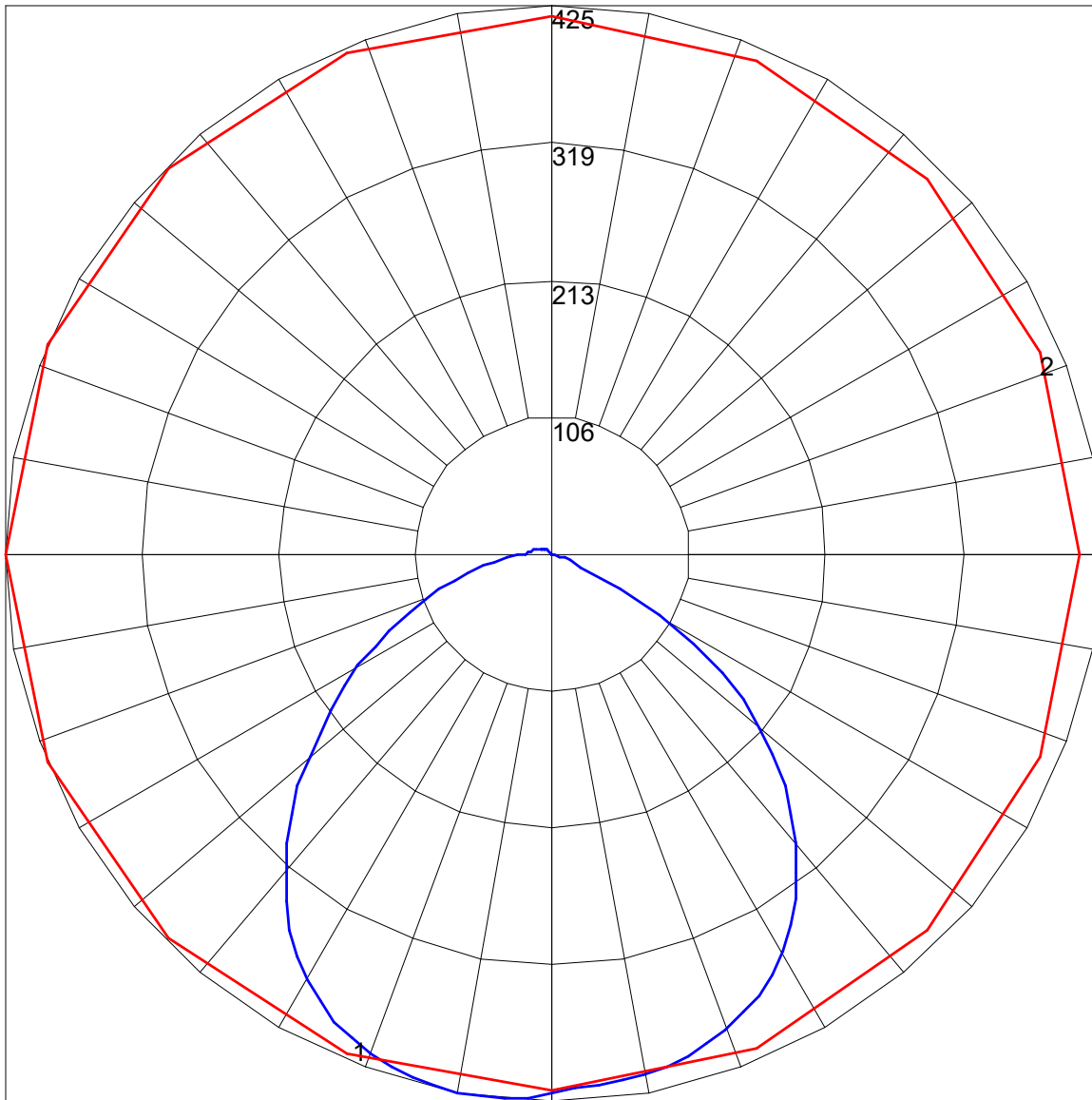
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

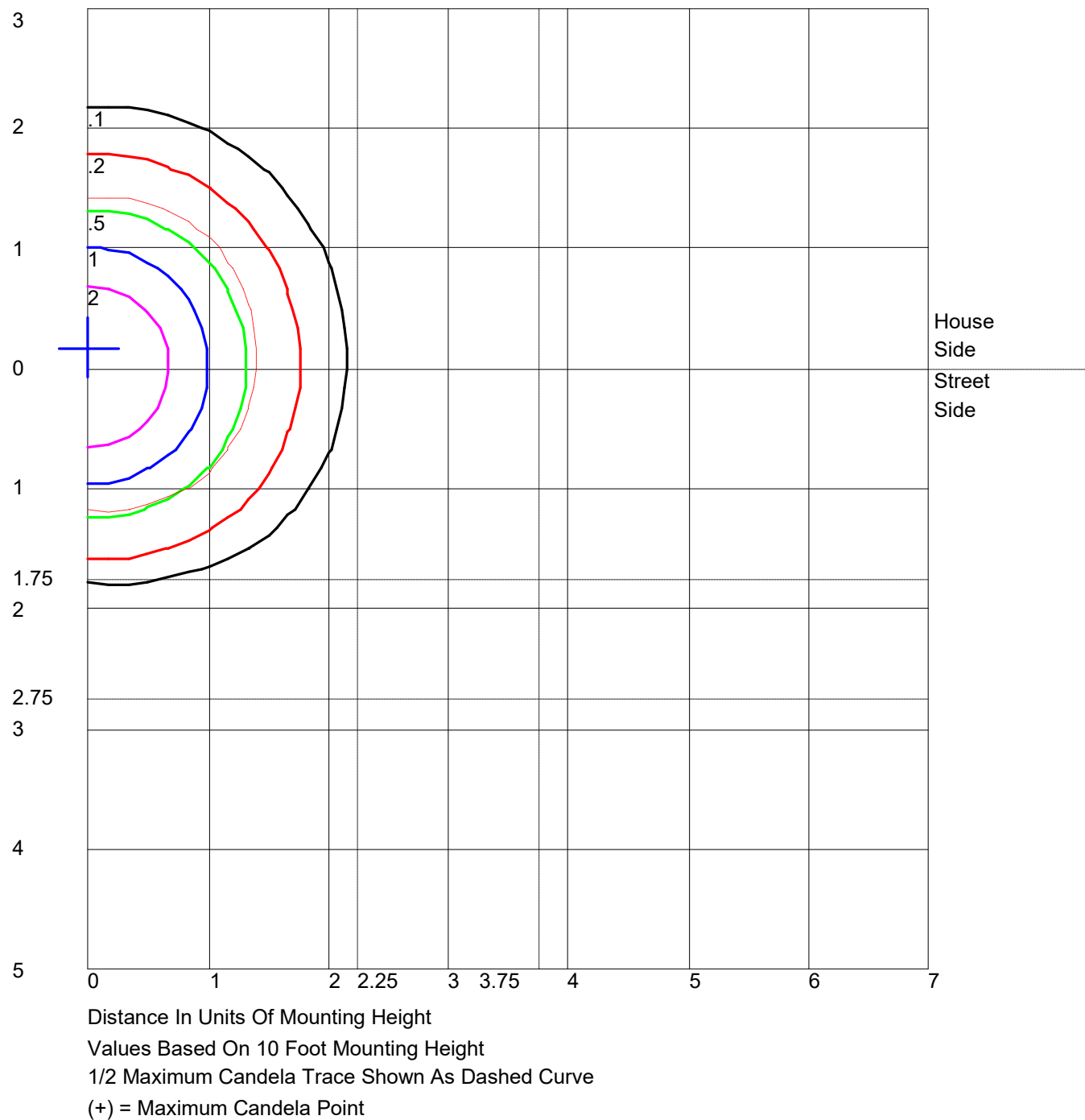
	Lumens	Percent Of Luminaire
Downward Street Side	519.5	45.1
Downward House Side	617.4	53.6
Downward Total	1136.9	98.7
Upward Street Side	0.2	0.0
Upward House Side	14.5	1.3
Upward Total	14.7	1.3
Total Flux	1151.6	100.0

POLAR GRAPH

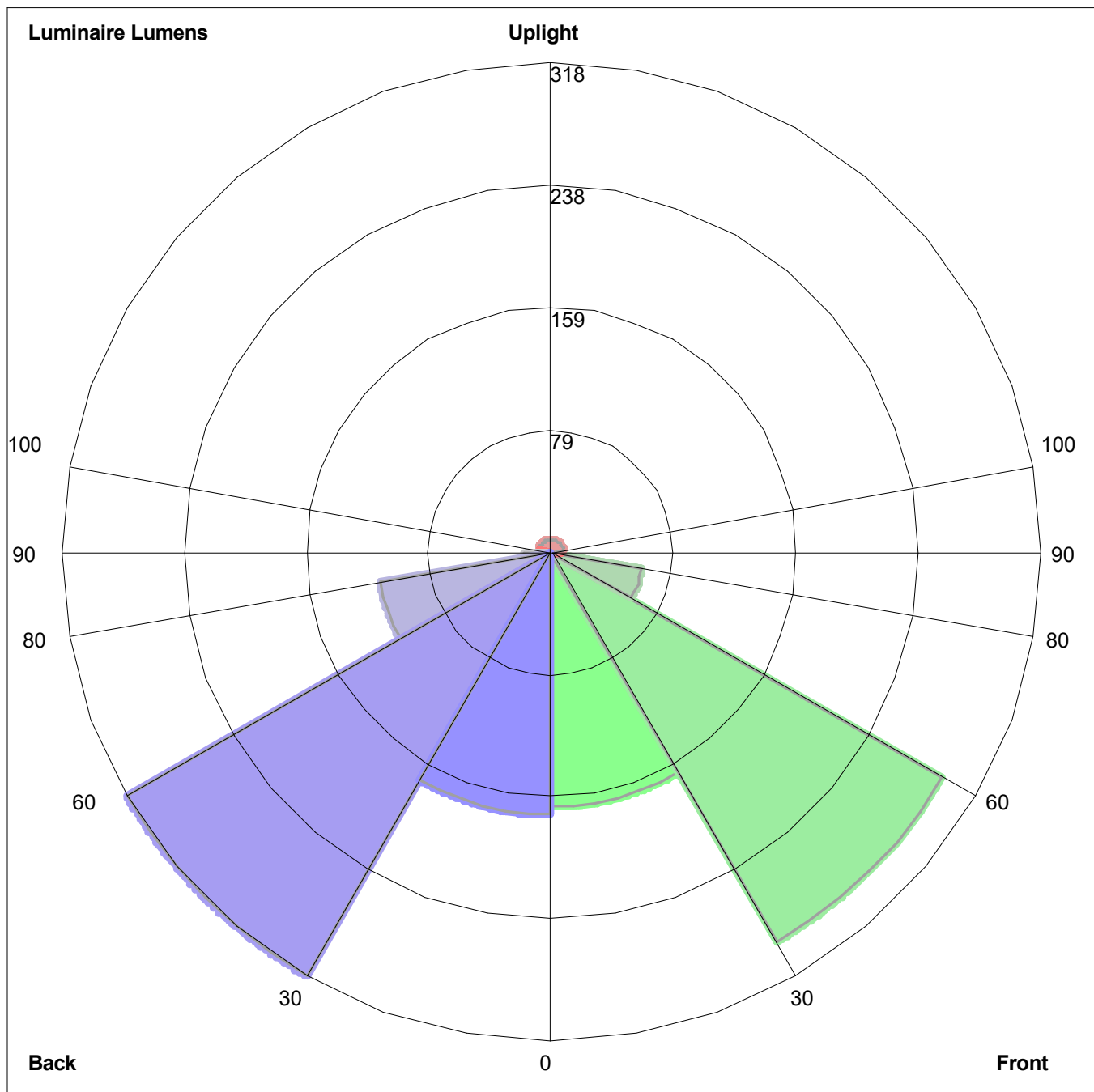


Maximum Candela = 425 Located At Horizontal Angle = 180, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=165.2, Medium=292.4, High=59.8, Very High=2.1  
Back: Low=170.5, Medium=317.6, High=112.6, Very High=16.7  
Uplight: Low=7.0, High=7.8

BUG Rating : B1-U1-G1