



8165 E. Kaiser Blvd. Anaheim, CA 92808  
 www.lightlaboratory.com

# Photometric Test Report

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L061805902.IES**

## DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L061805902  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUEDATE] 7/5/2018  
 [MANUFAC] USTE, dba Vista Professional Outdoor Lighting  
 [LUMCAT] 1503-AL-30  
 [LUMINAIRE] Steplight, louvered door, diffusion lens, 6 LED  
 [BALLASTCAT] THOMAS RESEARCH PRODUCTS LED12W-24-C0500  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [INPUT] 120VAC, 11.15W  
 [TEST PROCEDURE] IESNA:LM-79-08

## CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	233
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	21
Total Luminaire Watts	11.15
Ballast Factor	1.00
Upward Waste Light Ratio	0.18
Maximum Candela	241.99
Maximum Candela Angle	0H 60V
Maximum Candela (<90 Degrees Vertical)	241.99
Maximum Candela Angle (<90 Degrees Vertical)	0H 60V
Maximum Candela At 90 Degrees Vertical	95.21 (40.9% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	185.49 (79.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1.3	N.A.	0.6
FM - Front-Medium (30-60)	62.6	N.A.	26.9
FH - Front-High (60-80)	92.9	N.A.	39.9
FVH - Front-Very High (80-90)	34.5	N.A.	14.8
BL - Back-Low (0-30)	< 0.05	N.A.	0.0
BM - Back-Medium (30-60)	0.0	N.A.	0.0
BH - Back-High (60-80)	0.0	N.A.	0.0
BVH - Back-Very High (80-90)	0.0	N.A.	0.0
UL - Uplight-Low (90-100)	19.5	N.A.	8.4
UH - Uplight-High (100-180)	22.2	N.A.	9.5
<b>Total</b>	<b>233.0</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B0-U2-G1</b>		

**ZONAL LUMEN SUMMARY**

Zone	%
0-20	0.1
0-30	0.6
0-40	2.8
0-60	27.5
0-80	67.3
0-90	82.1
10-90	82.1
20-40	2.7
20-50	10.8
40-70	44.6
60-80	39.8
70-80	19.9
80-90	14.8
90-110	13.2
90-120	16
90-130	17.4
90-150	17.9
90-180	17.9
110-180	4.7
0-180	100

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**CANDELA TABULATION**

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<b>0.0</b>	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
<b>2.5</b>	0.45	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.43	0.43
<b>5.0</b>	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.50	0.49	0.48
<b>7.5</b>	0.88	0.88	0.87	0.85	0.82	0.78	0.74	0.69	0.64	0.58
<b>10.0</b>	1.25	1.24	1.22	1.19	1.15	1.10	1.04	0.98	0.90	0.82
<b>12.5</b>	1.76	1.76	1.72	1.67	1.60	1.51	1.40	1.27	1.17	1.06
<b>15.0</b>	2.42	2.42	2.36	2.28	2.18	2.05	1.89	1.72	1.55	1.35
<b>17.5</b>	3.25	3.25	3.16	3.05	2.89	2.70	2.48	2.26	2.00	1.73
<b>20.0</b>	4.22	4.22	4.10	3.94	3.74	3.47	3.17	2.87	2.53	2.19
<b>22.5</b>	5.26	5.26	5.11	4.92	4.67	4.36	3.98	3.56	3.12	2.70
<b>25.0</b>	10.79	10.60	9.96	8.92	7.38	5.39	4.97	4.38	3.83	3.25
<b>27.5</b>	15.84	15.64	15.00	14.00	12.62	10.82	8.18	5.78	4.89	3.94
<b>30.0</b>	20.61	20.42	19.78	18.74	17.21	15.27	13.08	10.26	6.84	5.11
<b>32.5</b>	27.28	26.94	25.97	24.38	22.15	19.76	17.13	14.41	11.21	7.47
<b>35.0</b>	39.10	38.56	36.65	33.38	28.89	25.57	21.61	18.33	14.97	11.16
<b>37.5</b>	55.73	54.75	51.76	46.88	40.41	34.41	28.30	23.07	18.57	14.50
<b>40.0</b>	78.52	76.96	72.29	64.74	55.43	46.57	37.90	29.97	23.22	17.66
<b>42.5</b>	106.56	104.42	98.06	87.61	74.91	61.32	49.56	39.04	29.92	22.39
<b>45.0</b>	140.44	137.23	128.30	114.55	98.09	80.08	62.89	49.15	37.79	27.99
<b>47.5</b>	175.12	171.28	160.27	143.31	122.88	100.93	79.33	60.30	46.17	34.83
<b>50.0</b>	208.14	203.28	189.93	171.31	147.09	121.25	95.97	73.16	54.71	41.37
<b>52.5</b>	226.39	222.16	210.77	193.17	168.05	139.88	110.82	83.70	62.95	47.48
<b>55.0</b>	240.29	235.68	224.32	206.79	183.08	154.63	122.73	93.51	69.18	52.66
<b>57.5</b>	241.14	237.78	229.90	215.30	193.12	164.08	132.89	102.13	75.54	56.47
<b>60.0</b>	241.99	238.17	228.80	215.10	197.44	170.96	139.95	107.68	79.02	58.75
<b>62.5</b>	232.15	230.37	224.78	212.70	196.42	173.23	144.64	111.91	80.66	61.06
<b>65.0</b>	222.31	221.26	216.57	207.98	193.46	173.25	146.43	114.71	84.19	62.04
<b>67.5</b>	218.61	216.65	210.20	202.24	190.35	170.50	146.57	116.41	84.15	62.77
<b>70.0</b>	214.92	213.35	207.25	197.37	185.49	167.81	143.96	116.25	84.39	63.21
<b>72.5</b>	211.75	209.73	204.08	193.43	181.06	164.80	141.35	114.60	85.61	63.33
<b>75.0</b>	208.59	205.42	197.89	188.39	176.38	159.80	137.68	112.10	83.40	62.87
<b>77.5</b>	197.04	194.64	189.94	180.71	167.75	152.34	132.15	108.57	80.60	62.01
<b>80.0</b>	185.49	179.42	174.54	165.38	154.31	141.04	123.17	100.05	77.31	59.92
<b>82.5</b>	159.51	157.57	151.92	145.67	137.70	127.01	112.53	92.44	72.97	56.06
<b>85.0</b>	133.53	132.54	128.19	123.20	117.77	110.00	100.37	83.62	67.04	52.05
<b>87.5</b>	114.37	110.47	107.87	104.48	99.30	93.07	83.35	72.89	59.40	47.31
<b>90.0</b>	95.21	93.92	91.71	88.13	83.32	78.04	70.57	60.73	50.77	41.25
<b>92.5</b>	84.41	82.10	79.75	76.01	71.82	66.05	60.45	51.76	43.56	36.23
<b>95.0</b>	73.61	72.89	70.43	66.98	62.15	56.96	50.32	44.26	37.28	31.56
<b>97.5</b>	66.04	64.96	62.64	59.08	54.47	49.35	43.64	37.79	32.20	27.42
<b>100.0</b>	58.47	57.65	55.60	52.12	47.93	42.98	37.95	32.57	27.99	24.15
<b>102.5</b>	51.41	50.63	48.70	45.48	41.67	37.47	32.98	28.51	24.91	21.85
<b>105.0</b>	44.36	44.05	42.27	39.62	36.11	32.70	28.96	25.17	22.42	19.96
<b>107.5</b>	39.10	38.51	36.40	34.57	31.79	28.59	25.52	22.74	20.44	18.52
<b>110.0</b>	33.85	33.51	32.32	30.24	28.26	25.64	22.91	20.88	19.15	17.72
<b>112.5</b>	30.11	29.74	28.56	27.10	25.11	23.14	21.03	19.57	18.31	16.61
<b>115.0</b>	26.38	26.17	25.47	24.09	22.71	20.90	19.65	18.42	17.07	14.94
<b>117.5</b>	23.77	23.48	22.64	21.68	20.65	19.40	18.30	16.84	15.20	13.01
<b>120.0</b>	21.16	20.93	20.41	19.82	18.86	17.76	16.58	14.82	12.94	10.61
<b>122.5</b>	18.71	18.78	18.43	18.02	17.14	16.05	14.20	12.35	10.43	8.05
<b>125.0</b>	16.25	16.40	15.88	16.02	14.30	12.92	11.26	9.80	7.84	5.63
<b>127.5</b>	13.48	13.38	12.98	12.29	11.34	10.24	8.89	7.36	5.58	3.86
<b>130.0</b>	10.93	10.80	10.43	9.79	8.92	7.91	6.65	5.23	3.74	2.16

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**CANDELA TABULATION - (Cont.)**

132.5	8.51	8.39	8.04	7.50	6.75	5.85	4.70	3.40	2.09	1.20
135.0	6.26	6.20	5.91	5.43	4.80	3.96	2.86	1.76	1.04	0.54
137.5	4.36	4.29	4.06	3.63	2.98	2.14	1.36	0.86	0.58	0.48
140.0	2.59	2.53	2.28	1.81	1.31	0.92	0.65	0.50	0.47	0.45
142.5	0.80	0.80	0.80	0.73	0.50	0.51	0.47	0.46	0.45	0.45
145.0	0.45	0.46	0.47	0.47	0.45	0.45	0.45	0.44	0.45	0.44
147.5	0.45	0.44	0.44	0.44	0.44	0.45	0.44	0.43	0.44	0.43
150.0	0.45	0.44	0.43	0.43	0.43	0.44	0.43	0.43	0.43	0.43
152.5	0.42	0.42	0.43	0.42	0.43	0.42	0.42	0.42	0.43	0.43
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
2.5	0.42	0.42	0.41	0.41	0.40	0.39	0.39	0.38	0.00	0.00
5.0	0.47	0.46	0.45	0.44	0.42	0.41	0.39	0.38	0.00	0.00
7.5	0.53	0.51	0.49	0.47	0.45	0.43	0.41	0.39	0.00	0.00
10.0	0.73	0.64	0.54	0.51	0.48	0.45	0.42	0.39	0.00	0.00
12.5	0.95	0.83	0.71	0.57	0.51	0.48	0.44	0.41	0.00	0.00
15.0	1.17	1.03	0.88	0.72	0.55	0.50	0.46	0.42	0.00	0.00
17.5	1.49	1.24	1.05	0.87	0.67	0.53	0.48	0.43	0.00	0.00
20.0	1.84	1.53	1.23	1.02	0.79	0.56	0.50	0.44	0.00	0.00
22.5	2.27	1.84	1.48	1.17	0.92	0.66	0.52	0.45	0.00	0.00
25.0	2.73	2.21	1.74	1.33	1.04	0.75	0.54	0.46	0.00	0.00
27.5	3.23	2.60	2.04	1.55	1.15	0.85	0.57	0.48	0.00	0.00
30.0	3.78	3.04	2.36	1.76	1.27	0.94	0.60	0.49	0.00	0.00
32.5	4.72	3.57	2.70	2.01	1.43	1.03	0.66	0.51	0.00	0.00
35.0	7.46	4.53	3.06	2.27	1.61	1.12	0.72	0.53	0.00	0.00
37.5	10.45	6.21	3.55	2.54	1.79	1.21	0.79	0.55	0.00	0.00
40.0	13.27	8.73	4.79	2.90	1.97	1.31	0.86	0.56	0.00	0.00
42.5	16.33	11.23	6.37	3.50	2.18	1.43	0.93	0.58	0.00	0.00
45.0	20.15	13.62	8.41	4.32	2.41	1.57	1.00	0.60	0.00	0.00
47.5	25.08	16.63	10.47	5.68	2.72	1.72	1.07	0.62	0.00	0.00
50.0	30.57	20.97	12.64	7.29	3.42	1.87	1.15	0.65	0.00	0.00
52.5	36.03	25.31	16.03	8.89	4.39	2.07	1.24	0.68	0.00	0.00
55.0	40.38	29.74	19.41	11.24	5.44	2.33	1.34	0.71	0.00	0.00
57.5	43.86	33.39	23.09	13.84	6.73	2.75	1.45	0.74	0.00	0.00
60.0	45.99	36.10	26.19	16.43	8.40	3.38	1.55	0.77	0.00	0.00
62.5	46.87	37.70	28.69	19.14	10.23	4.15	1.74	0.81	0.00	0.00
65.0	47.51	38.52	30.34	21.43	12.15	5.06	1.96	0.85	0.00	0.00
67.5	47.50	38.61	31.26	23.23	13.91	6.07	2.11	0.88	0.00	0.00
70.0	47.30	38.54	31.53	24.10	15.38	7.05	2.26	0.90	0.00	0.00
72.5	47.72	38.56	31.57	24.63	16.43	7.90	2.56	0.89	0.00	0.00
75.0	48.04	38.73	31.69	24.81	17.06	8.74	2.89	0.87	0.00	0.00
77.5	47.99	38.87	31.72	24.90	17.33	9.26	2.93	0.84	0.00	0.00

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**CANDELA TABULATION - (Cont.)**

80.0	46.86	38.14	31.55	24.92	17.39	9.64	2.94	0.81	0.00	0.00
82.5	44.92	36.90	30.73	24.29	16.77	9.30	2.99	0.76	0.00	0.00
85.0	41.91	35.00	29.23	23.25	15.98	8.87	2.97	0.71	0.00	0.00
87.5	38.50	32.43	27.19	21.65	14.78	8.07	2.62	0.65	0.00	0.00
90.0	34.70	29.32	24.81	19.79	13.55	7.24	2.25	0.59	0.00	0.00
92.5	30.97	25.75	21.64	17.20	12.07	6.55	1.94	0.55	0.00	0.00
95.0	27.02	22.52	18.79	14.76	10.61	5.83	1.64	0.52	0.00	0.00
97.5	23.14	20.02	16.97	13.35	9.10	4.48	1.30	0.50	0.00	0.00
100.0	21.09	18.05	15.30	11.92	7.67	3.29	0.96	0.48	0.00	0.00
102.5	19.21	16.37	13.83	10.45	6.30	2.76	0.80	0.47	0.00	0.00
105.0	17.41	15.54	12.55	9.08	5.10	2.22	0.65	0.47	0.00	0.00
107.5	16.63	14.52	11.15	7.82	4.16	1.58	0.55	0.46	0.00	0.00
110.0	15.93	12.94	9.80	6.33	3.07	1.03	0.46	0.45	0.00	0.00
112.5	14.26	11.37	8.30	4.71	1.94	0.69	0.46	0.44	0.00	0.00
115.0	12.54	9.54	6.21	3.12	1.18	0.49	0.45	0.43	0.00	0.00
117.5	10.28	7.19	4.28	1.75	0.68	0.47	0.45	0.43	0.00	0.00
120.0	7.83	5.02	2.65	1.12	0.48	0.45	0.45	0.43	0.00	0.00
122.5	5.47	3.35	1.46	0.63	0.46	0.45	0.44	0.43	0.00	0.00
125.0	3.73	1.87	0.87	0.50	0.45	0.45	0.44	0.43	0.00	0.00
127.5	2.14	1.05	0.57	0.46	0.44	0.44	0.44	0.43	0.00	0.00
130.0	1.17	0.63	0.47	0.45	0.44	0.43	0.43	0.43	0.00	0.00
132.5	0.65	0.48	0.46	0.44	0.45	0.43	0.43	0.42	0.00	0.00
135.0	0.49	0.46	0.45	0.44	0.44	0.43	0.42	0.42	0.00	0.00
137.5	0.47	0.45	0.44	0.44	0.43	0.43	0.42	0.42	0.00	0.00
140.0	0.46	0.44	0.44	0.44	0.43	0.43	0.42	0.42	0.00	0.00
142.5	0.45	0.44	0.43	0.43	0.43	0.43	0.41	0.41	0.00	0.00
145.0	0.44	0.43	0.43	0.42	0.43	0.42	0.40	0.40	0.00	0.00
147.5	0.43	0.43	0.42	0.42	0.42	0.42	0.41	0.41	0.00	0.00
150.0	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.00	0.00
152.5	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES ROAD REPORT  
PHOTOMETRIC FILENAME : L061805902.IES

CANDELA TABULATION - (Cont.)

27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L061805902.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>172.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>177.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**  
**Angles**

	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>
<b>0.0</b>	0.38	0.38	0.38	0.38	0.38	0.38	0.38
<b>2.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>5.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>7.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>10.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>12.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>15.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>17.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>20.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>22.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>25.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>27.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>30.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>32.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>35.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>37.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>40.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>42.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>45.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>47.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>50.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>52.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>55.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>57.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>60.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>62.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>65.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>67.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>70.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>72.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>75.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>77.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>80.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>82.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>87.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>112.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

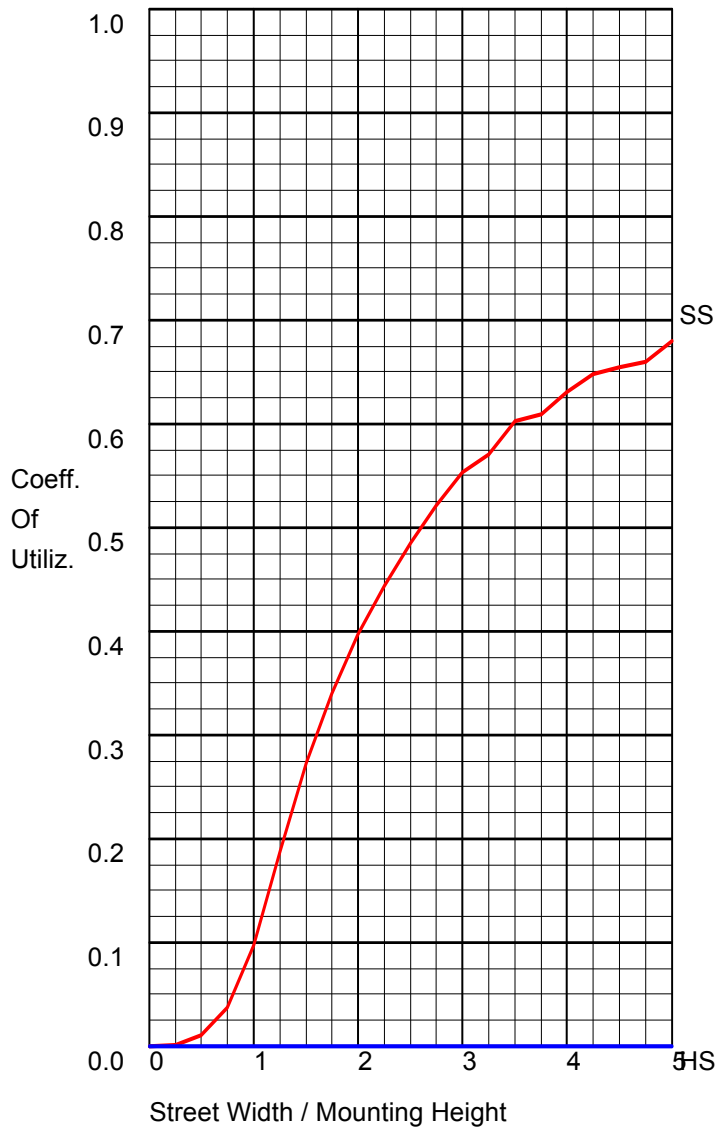
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L061805902.IES**

**CANDELA TABULATION - (Cont.)**

<b>115.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>122.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>127.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>137.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>140.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>142.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>147.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>152.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>157.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>162.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>167.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>172.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>177.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00



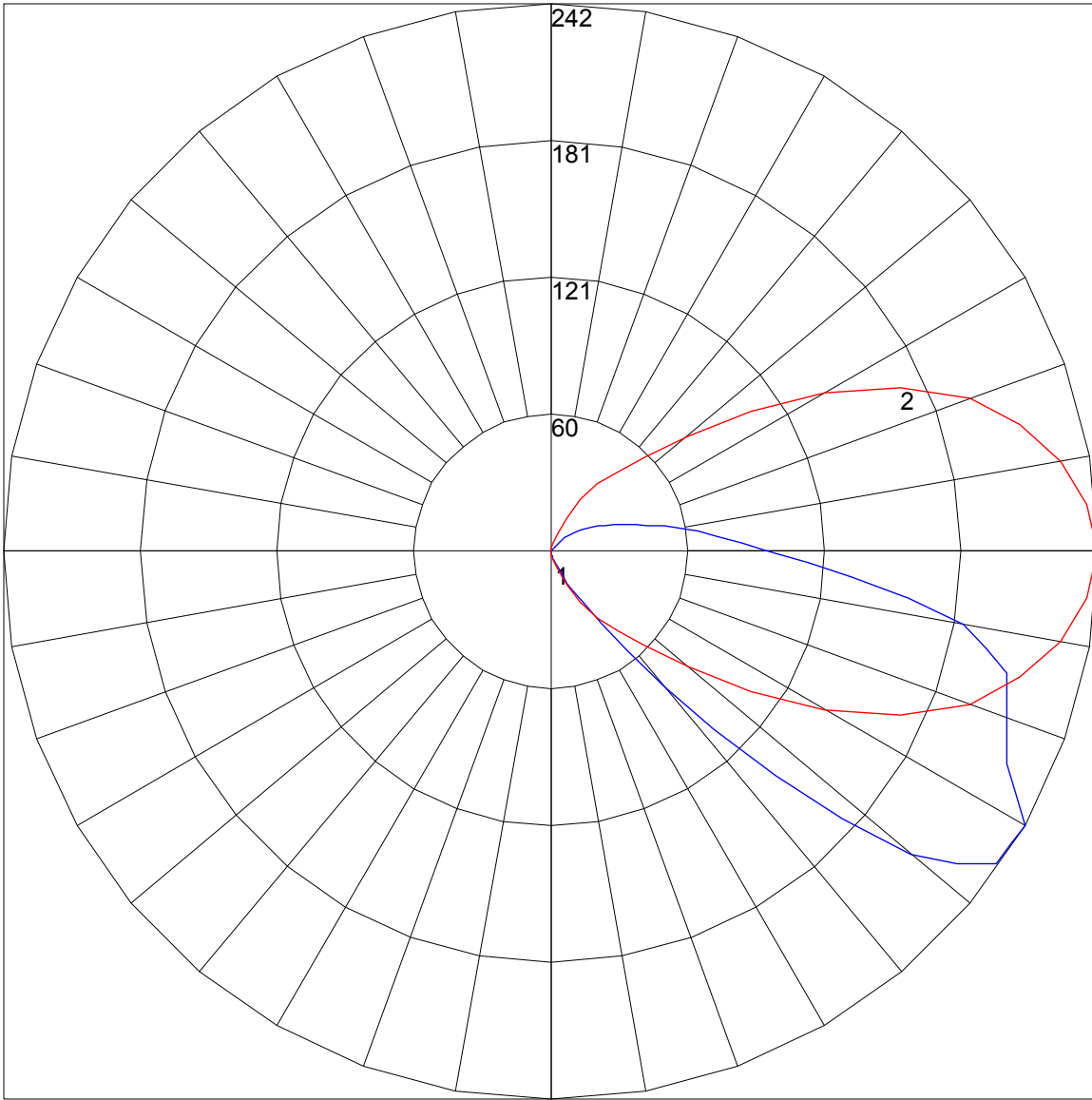
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

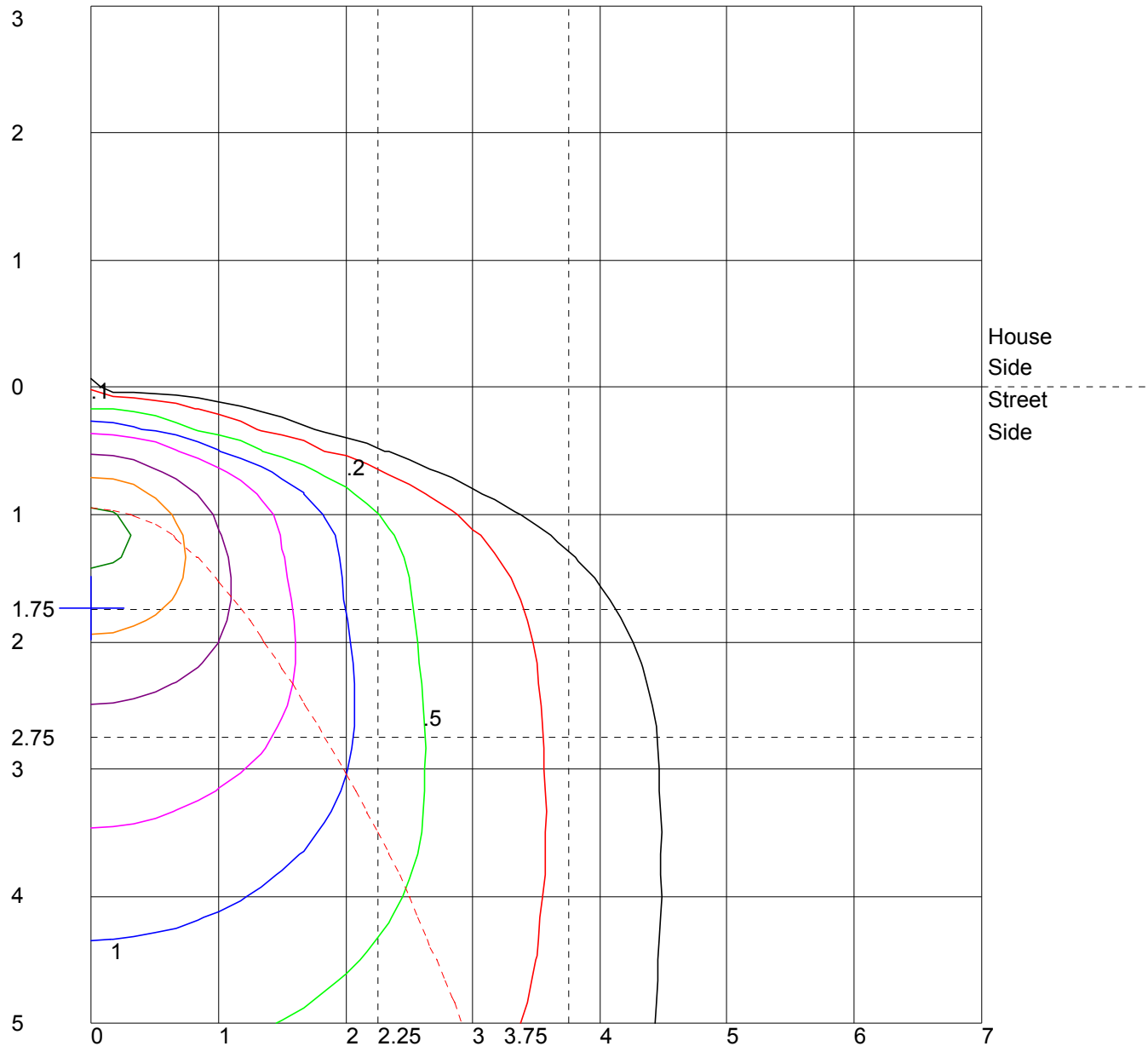
	Lumens	Percent Of Luminaire
Downward Street Side	191.4	82.1
Downward House Side	0.0	0.0
Downward Total	191.4	82.1
Upward Street Side	41.7	17.9
Upward House Side	0.0	0.0
Upward Total	41.7	17.9
Total Flux	233.1	100.0

POLAR GRAPH



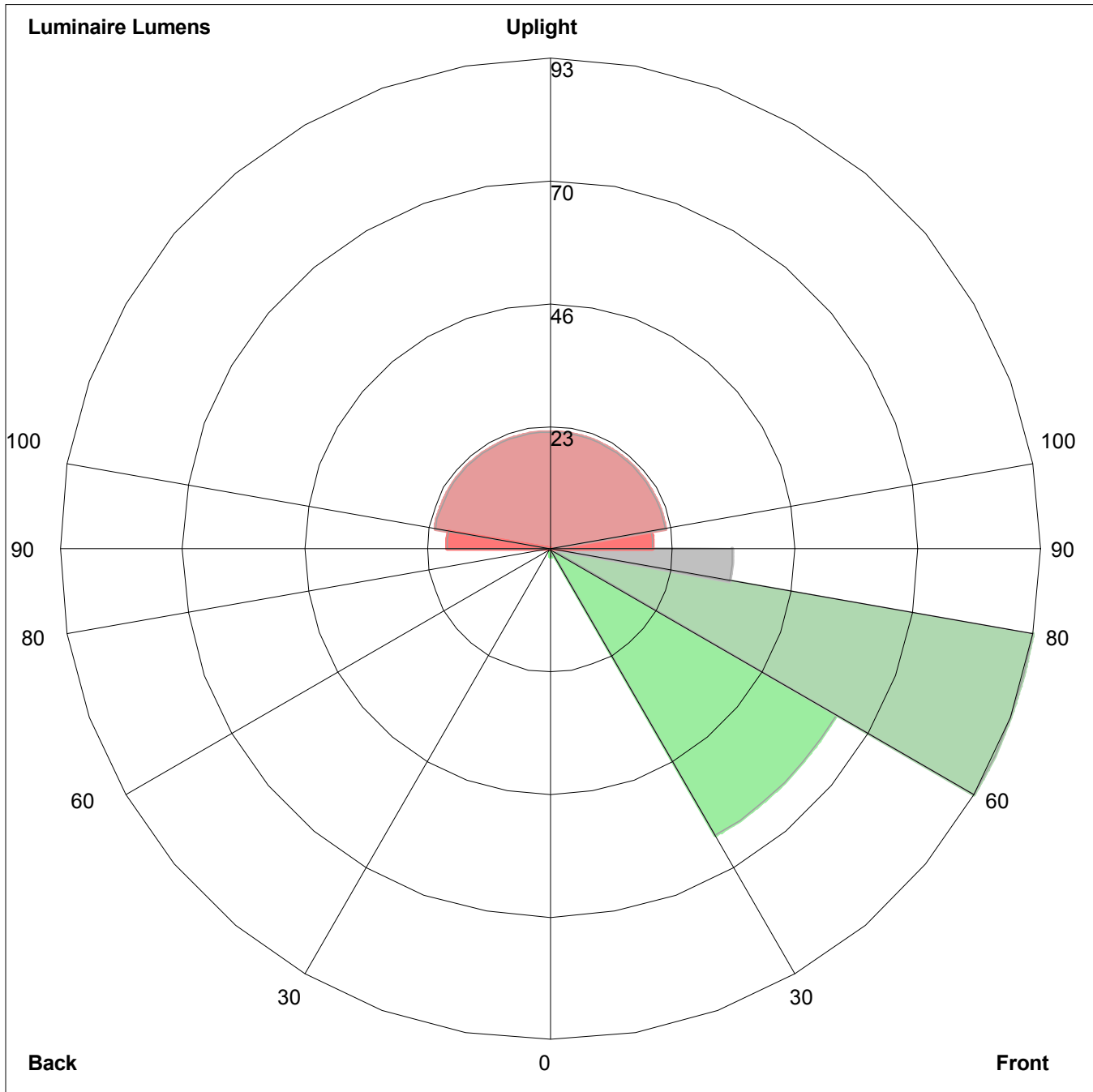
Maximum Candela = 241.99 Located At Horizontal Angle = 0, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height  
 Values Based On 1.5 Foot Mounting Height  
 1/2 Maximum Candela Trace Shown As Dashed Curve  
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=1.3, Medium=62.6, High=92.9, Very High=34.5  
 Back: Low=0.0, Medium=0.0, High=0.0, Very High=0.0  
 Uplight: Low=19.5, High=22.2

BUG Rating : B0-U2-G1