



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

# Photometric Test Report

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L061805901.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L061805901  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUEDATE] 7/5/2018  
 [MANUFAC] USTE, dba Vista Professional Outdoor Lighting  
 [LUMCAT] 1501-AL-3LED-W  
 [LUMINAIRE] Steplight, louvered door, diffusion lens, 3 LED  
 [BALLASTCAT] GE LIGHTTECH GELD6DMV500SL  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [INPUT] 120VAC, 6.23W  
 [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	116
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	19
Total Luminaire Watts	6.23
Ballast Factor	1.00
Upward Waste Light Ratio	0.15
Maximum Candela	127.89
Maximum Candela Angle	0H 52.5V
Maximum Candela (<90 Degrees Vertical)	127.89
Maximum Candela Angle (<90 Degrees Vertical)	0H 52.5V
Maximum Candela At 90 Degrees Vertical	41.72 (36.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	74.09 (63.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	0.9	N.A.	0.8
FM - Front-Medium (30-60)	40.5	N.A.	34.9
FH - Front-High (60-80)	42.0	N.A.	36.2
FVH - Front-Very High (80-90)	14.6	N.A.	12.6
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)	8.3	N.A.	7.2
UH - Uplight-High (100-180)	9.6	N.A.	8.3
<b>Total</b>	<b>115.9</b>	<b>N.A.</b>	<b>100.0</b>
<b>BUG Rating</b>	<b>B0-U1-G1</b>		

**ZONAL LUMEN SUMMARY**

Zone	%
0-20	0.1
0-30	0.8
0-40	4.6
0-60	35.7
0-80	71.9
0-90	84.5
10-90	84.5
20-40	4.5
20-50	16.5
40-70	50.3
60-80	36.2
70-80	17
80-90	12.6
90-110	11.2
90-120	13.4
90-130	14.8
90-150	15.5
90-180	15.5
110-180	4.3
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>	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
<b>2.5</b>	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.24
<b>5.0</b>	0.35	0.35	0.35	0.35	0.34	0.34	0.33	0.32	0.31	0.30
<b>7.5</b>	0.57	0.57	0.56	0.55	0.54	0.51	0.49	0.46	0.43	0.39
<b>10.0</b>	0.80	0.80	0.78	0.77	0.74	0.71	0.68	0.64	0.59	0.54
<b>12.5</b>	1.07	1.08	1.06	1.03	1.00	0.95	0.89	0.82	0.76	0.69
<b>15.0</b>	1.42	1.42	1.39	1.35	1.30	1.23	1.15	1.06	0.96	0.86
<b>17.5</b>	1.69	1.69	1.66	1.61	1.57	1.51	1.44	1.33	1.20	1.06
<b>20.0</b>	2.35	2.37	2.30	2.21	2.08	1.87	1.65	1.55	1.44	1.29
<b>22.5</b>	4.56	4.59	4.30	3.95	3.48	2.87	2.44	2.01	1.62	1.48
<b>25.0</b>	7.26	7.18	6.88	6.41	5.73	4.88	4.06	3.11	2.40	1.63
<b>27.5</b>	11.34	11.20	10.69	9.88	8.70	7.37	6.22	4.95	3.76	2.64
<b>30.0</b>	16.98	16.77	16.03	14.79	12.98	10.97	9.04	7.29	5.50	4.01
<b>32.5</b>	25.62	25.21	23.91	21.77	18.90	16.04	12.76	10.22	7.87	5.64
<b>35.0</b>	36.41	35.81	33.97	30.93	26.78	22.70	18.21	14.05	10.72	7.74
<b>37.5</b>	50.65	49.78	47.08	42.57	36.48	30.75	24.78	19.33	14.21	10.11
<b>40.0</b>	69.74	68.38	64.04	57.46	49.33	40.62	32.36	25.01	18.68	13.29
<b>42.5</b>	86.64	85.15	80.72	73.78	64.46	52.88	41.53	31.53	23.48	16.97
<b>45.0</b>	101.51	99.92	95.33	87.96	77.90	65.82	51.93	38.88	28.34	20.58
<b>47.5</b>	114.93	113.15	108.05	99.91	89.11	76.20	61.42	46.49	34.01	24.31
<b>50.0</b>	124.30	122.68	117.88	110.17	98.49	84.14	67.38	52.97	38.49	27.79
<b>52.5</b>	127.89	126.30	122.44	116.96	105.53	91.22	72.91	58.02	42.32	30.30
<b>55.0</b>	125.30	124.25	121.38	116.78	107.98	95.21	74.54	61.07	45.07	32.01
<b>57.5</b>	118.42	117.90	116.38	112.85	106.19	95.55	77.42	62.66	46.84	33.19
<b>60.0</b>	111.54	111.05	109.74	107.06	101.73	92.85	77.15	62.78	47.39	33.71
<b>62.5</b>	106.01	105.53	103.84	100.89	96.11	88.28	74.73	61.43	46.70	33.79
<b>65.0</b>	100.47	100.29	98.95	95.76	91.05	81.72	70.82	59.22	45.16	33.08
<b>67.5</b>	97.38	96.70	94.66	91.62	86.60	76.00	69.01	56.70	43.62	32.27
<b>70.0</b>	94.28	93.59	91.35	87.81	82.56	72.48	65.12	53.74	41.39	31.19
<b>72.5</b>	90.07	89.51	87.69	83.94	77.00	69.97	61.65	50.59	39.28	29.96
<b>75.0</b>	85.85	84.86	82.78	79.48	72.08	66.87	57.72	47.49	37.26	28.63
<b>77.5</b>	79.97	79.21	77.41	74.29	68.88	62.35	53.69	44.50	35.07	27.58
<b>80.0</b>	74.09	72.67	71.41	68.29	63.65	57.21	49.53	41.55	33.10	26.42
<b>82.5</b>	66.11	65.99	64.51	61.82	57.60	52.33	45.58	38.25	31.20	25.09
<b>85.0</b>	58.12	57.58	56.11	53.96	50.54	45.68	40.73	34.15	28.30	23.53
<b>87.5</b>	49.92	48.62	47.42	45.46	42.50	38.43	33.53	29.44	24.72	21.45
<b>90.0</b>	41.72	41.14	40.40	38.52	35.46	31.95	28.23	24.46	21.30	18.65
<b>92.5</b>	36.58	35.75	35.01	33.29	30.47	27.15	24.26	20.93	18.69	17.41
<b>95.0</b>	31.43	31.46	30.72	28.99	26.34	23.55	20.58	18.48	17.01	15.16
<b>97.5</b>	28.09	27.80	27.04	25.47	23.15	20.60	18.37	16.71	14.97	12.45
<b>100.0</b>	24.76	24.59	23.82	22.36	20.41	18.28	16.54	14.35	12.33	10.98
<b>102.5</b>	21.97	21.77	20.97	19.61	18.04	16.00	14.09	12.27	10.86	9.57
<b>105.0</b>	19.19	18.98	18.07	17.19	15.52	13.92	12.22	10.79	9.46	8.25
<b>107.5</b>	16.42	16.18	15.38	14.78	13.33	11.94	10.58	9.40	8.21	7.17
<b>110.0</b>	13.66	13.60	13.21	12.35	11.48	10.35	9.16	8.14	7.03	6.13
<b>112.5</b>	11.72	11.63	11.17	10.63	9.80	8.84	7.85	7.00	6.16	5.47
<b>115.0</b>	9.79	9.79	9.57	8.99	8.45	7.53	6.88	6.26	5.84	5.56
<b>117.5</b>	8.58	8.52	8.17	7.84	7.42	6.82	6.41	6.15	5.94	5.79
<b>120.0</b>	7.36	7.43	7.44	7.25	6.80	6.62	6.44	6.32	6.18	6.04
<b>122.5</b>	7.19	7.20	7.12	6.91	6.81	6.72	6.63	6.54	6.42	6.35
<b>125.0</b>	7.02	7.03	7.04	7.01	6.96	6.90	6.86	6.52	5.55	4.00
<b>127.5</b>	7.16	7.17	7.18	7.17	7.14	6.89	6.31	5.42	4.09	2.77
<b>130.0</b>	7.33	7.22	7.01	7.02	6.46	5.85	4.97	3.91	2.79	1.67

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	6.22	6.17	5.97	5.58	5.05	4.35	3.55	2.60	1.68	0.89
<b>135.0</b>	4.67	4.63	4.43	4.09	3.65	3.05	2.33	1.54	0.80	0.29
<b>137.5</b>	3.29	3.27	3.11	2.84	2.43	1.90	1.27	0.71	0.33	0.23
<b>140.0</b>	2.18	2.14	2.00	1.72	1.34	0.83	0.53	0.27	0.22	0.21
<b>142.5</b>	1.07	1.07	0.95	0.71	0.32	0.32	0.23	0.21	0.21	0.20
<b>145.0</b>	0.24	0.25	0.26	0.25	0.21	0.21	0.21	0.20	0.20	0.20
<b>147.5</b>	0.21	0.21	0.20	0.20	0.20	0.21	0.20	0.19	0.19	0.19
<b>150.0</b>	0.17	0.18	0.19	0.19	0.19	0.20	0.20	0.19	0.19	0.19
<b>152.5</b>	0.00	0.00	0.00	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	0.00	0.00	0.00
<b>157.5</b>	0.00	0.00	0.00	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	0.00	0.00	0.00
<b>162.5</b>	0.00	0.00	0.00	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	0.00	0.00	0.00
<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**

	<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>
<b>0.0</b>	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
<b>2.5</b>	0.23	0.23	0.22	0.21	0.20	0.20	0.19	0.18	0.00	0.00
<b>5.0</b>	0.29	0.28	0.27	0.25	0.24	0.22	0.21	0.19	0.00	0.00
<b>7.5</b>	0.35	0.33	0.31	0.29	0.27	0.24	0.22	0.20	0.00	0.00
<b>10.0</b>	0.48	0.42	0.35	0.32	0.29	0.26	0.23	0.20	0.00	0.00
<b>12.5</b>	0.62	0.54	0.46	0.37	0.33	0.29	0.25	0.21	0.00	0.00
<b>15.0</b>	0.76	0.67	0.57	0.47	0.37	0.32	0.27	0.22	0.00	0.00
<b>17.5</b>	0.93	0.80	0.68	0.56	0.44	0.34	0.29	0.23	0.00	0.00
<b>20.0</b>	1.11	0.95	0.78	0.65	0.51	0.37	0.30	0.24	0.00	0.00
<b>22.5</b>	1.32	1.10	0.91	0.74	0.58	0.43	0.33	0.25	0.00	0.00
<b>25.0</b>	1.48	1.28	1.04	0.83	0.65	0.49	0.35	0.27	0.00	0.00
<b>27.5</b>	1.62	1.43	1.18	0.93	0.72	0.54	0.37	0.28	0.00	0.00
<b>30.0</b>	2.57	1.58	1.30	1.03	0.78	0.58	0.38	0.29	0.00	0.00
<b>32.5</b>	3.83	2.19	1.48	1.12	0.85	0.63	0.42	0.30	0.00	0.00
<b>35.0</b>	5.30	3.34	1.85	1.20	0.92	0.67	0.45	0.31	0.00	0.00
<b>37.5</b>	6.91	4.53	2.49	1.27	0.99	0.71	0.48	0.32	0.00	0.00
<b>40.0</b>	8.89	5.85	3.44	1.69	1.06	0.76	0.51	0.33	0.00	0.00
<b>42.5</b>	11.40	7.21	4.31	2.24	1.15	0.80	0.54	0.34	0.00	0.00
<b>45.0</b>	14.42	9.11	5.32	2.87	1.35	0.84	0.57	0.35	0.00	0.00
<b>47.5</b>	17.35	11.37	6.58	3.58	1.64	0.88	0.60	0.37	0.00	0.00
<b>50.0</b>	19.89	13.77	8.06	4.34	2.01	0.93	0.63	0.38	0.00	0.00
<b>52.5</b>	22.28	15.81	10.01	5.15	2.46	1.01	0.66	0.39	0.00	0.00
<b>55.0</b>	23.64	17.57	11.76	6.40	2.88	1.13	0.69	0.40	0.00	0.00
<b>57.5</b>	24.36	18.56	13.34	7.83	3.39	1.26	0.71	0.41	0.00	0.00
<b>60.0</b>	24.87	19.06	14.17	8.99	4.19	1.44	0.73	0.42	0.00	0.00
<b>62.5</b>	24.92	19.33	14.61	9.99	5.03	1.65	0.75	0.43	0.00	0.00
<b>65.0</b>	24.69	19.44	14.90	10.34	5.73	1.92	0.76	0.44	0.00	0.00
<b>67.5</b>	24.07	19.20	15.14	10.55	6.16	2.15	0.76	0.43	0.00	0.00
<b>70.0</b>	23.43	18.77	14.96	10.73	6.25	2.35	0.75	0.42	0.00	0.00
<b>72.5</b>	22.97	18.36	14.67	10.77	6.28	2.35	0.71	0.41	0.00	0.00
<b>75.0</b>	22.41	18.09	14.49	10.59	6.30	2.25	0.66	0.39	0.00	0.00
<b>77.5</b>	21.98	17.82	14.29	10.42	6.23	2.20	0.61	0.38	0.00	0.00

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**CANDELA TABULATION - (Cont.)**

80.0	21.52	17.59	14.12	10.29	6.09	2.16	0.55	0.36	0.00	0.00
82.5	20.99	17.28	13.94	10.18	5.97	2.10	0.54	0.35	0.00	0.00
85.0	20.03	16.94	13.76	10.06	5.90	2.06	0.52	0.33	0.00	0.00
87.5	18.83	15.76	12.78	9.31	5.35	1.80	0.46	0.32	0.00	0.00
90.0	17.41	14.02	11.41	8.33	4.75	1.52	0.40	0.31	0.00	0.00
92.5	15.44	12.26	9.86	7.06	3.93	1.20	0.37	0.29	0.00	0.00
95.0	13.19	10.60	8.36	5.78	3.12	0.89	0.35	0.28	0.00	0.00
97.5	10.89	9.19	7.11	4.77	2.37	0.79	0.34	0.26	0.00	0.00
100.0	9.51	7.81	5.87	3.83	1.81	0.70	0.33	0.24	0.00	0.00
102.5	8.18	6.50	4.70	3.05	1.73	0.68	0.30	0.24	0.00	0.00
105.0	6.90	5.43	4.05	2.75	1.64	0.62	0.27	0.24	0.00	0.00
107.5	5.85	4.68	3.62	2.85	1.49	0.45	0.26	0.24	0.00	0.00
110.0	5.05	4.52	3.85	2.70	1.16	0.33	0.24	0.24	0.00	0.00
112.5	5.08	4.64	3.96	2.31	0.70	0.28	0.24	0.23	0.00	0.00
115.0	5.28	4.83	3.37	1.54	0.41	0.25	0.24	0.23	0.00	0.00
117.5	5.50	4.28	2.50	0.85	0.28	0.24	0.24	0.23	0.00	0.00
120.0	4.90	3.23	1.55	0.49	0.24	0.24	0.24	0.24	0.00	0.00
122.5	3.71	2.18	0.82	0.27	0.24	0.23	0.23	0.22	0.00	0.00
125.0	2.57	1.25	0.40	0.24	0.24	0.23	0.22	0.21	0.00	0.00
127.5	1.55	0.63	0.26	0.23	0.23	0.23	0.22	0.22	0.00	0.00
130.0	0.80	0.32	0.23	0.22	0.22	0.22	0.22	0.23	0.00	0.00
132.5	0.35	0.23	0.22	0.22	0.21	0.21	0.22	0.22	0.00	0.00
135.0	0.23	0.22	0.21	0.22	0.21	0.21	0.21	0.21	0.00	0.00
137.5	0.23	0.22	0.20	0.21	0.21	0.21	0.21	0.21	0.00	0.00
140.0	0.22	0.21	0.19	0.20	0.20	0.20	0.21	0.20	0.00	0.00
142.5	0.21	0.20	0.19	0.19	0.19	0.20	0.20	0.20	0.00	0.00
145.0	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.00	0.00
147.5	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.00	0.00
150.0	0.18	0.18	0.19	0.18	0.19	0.19	0.19	0.19	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
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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
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 : L061805901.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 : L061805901.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>	0.17	0.17	0.17	0.17	0.17	0.17	0.17
<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

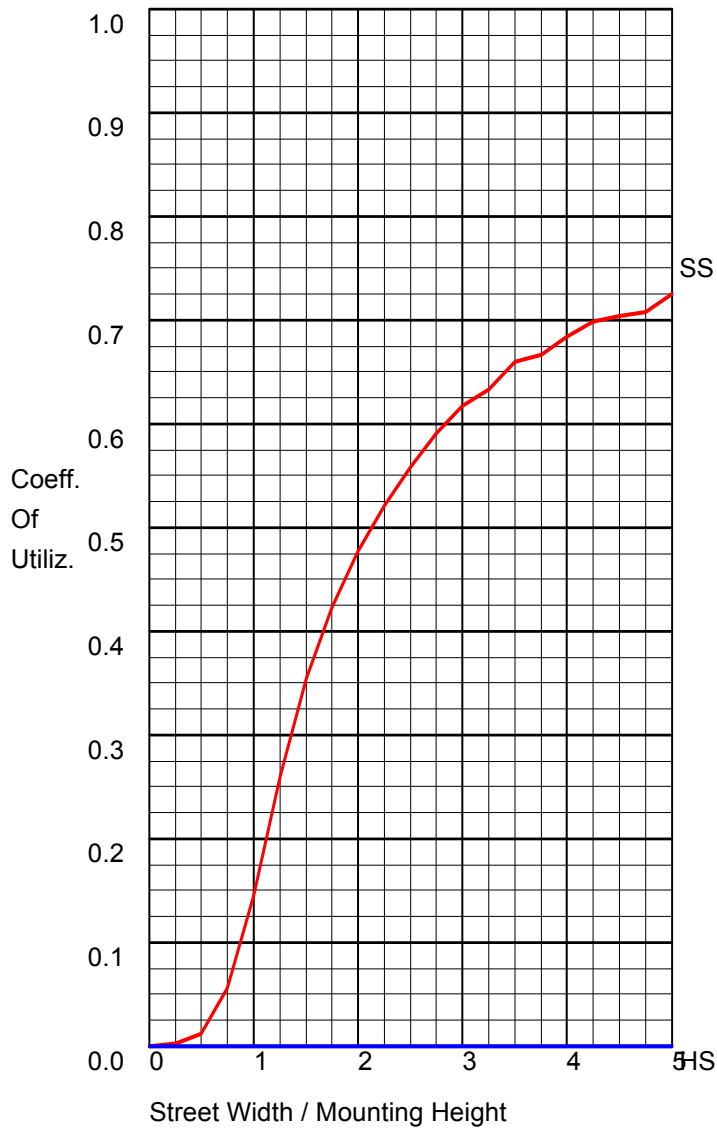
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L061805901.IES**

**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



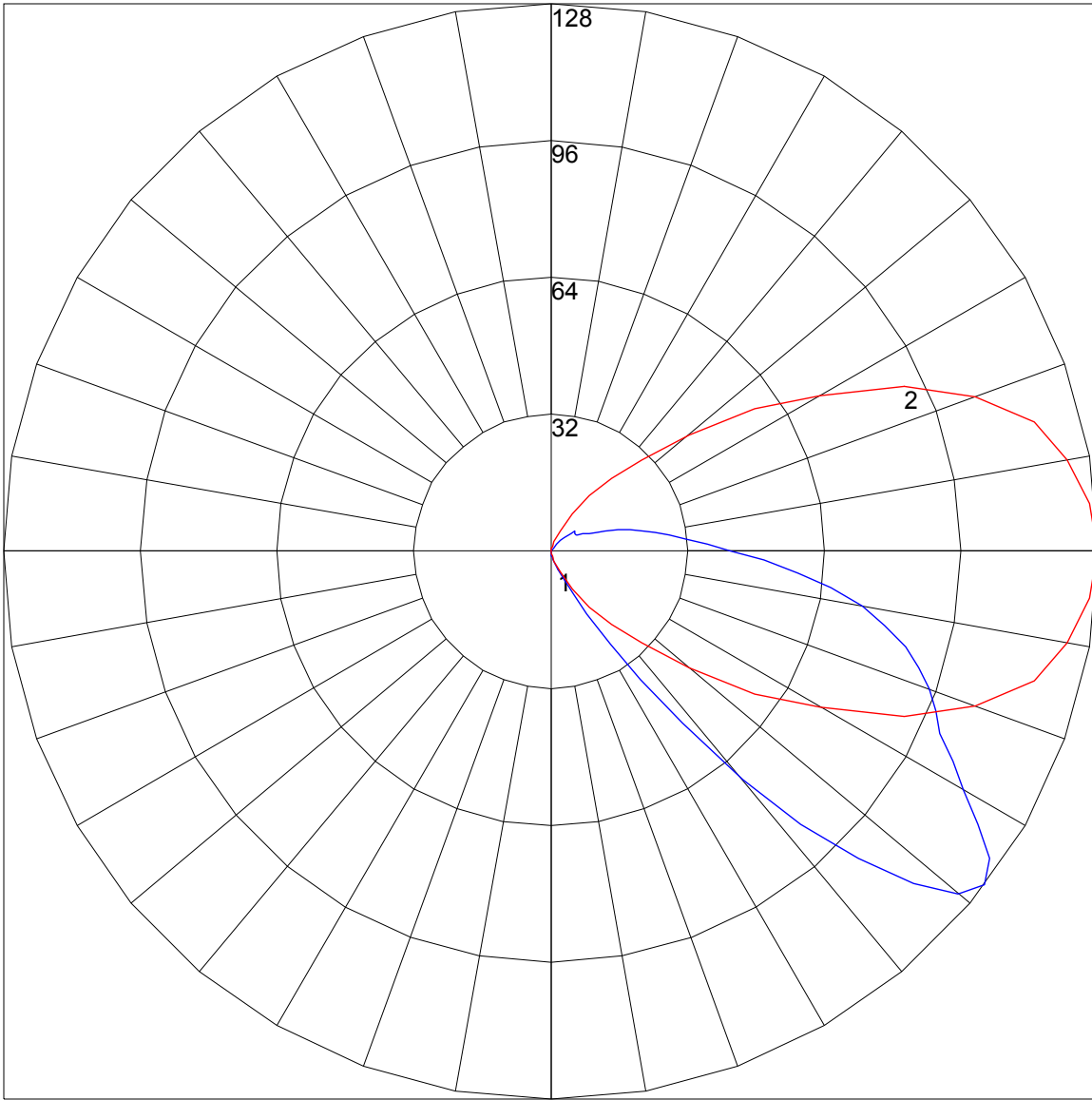
**COEFFICIENTS OF UTILIZATION**



**FLUX DISTRIBUTION**

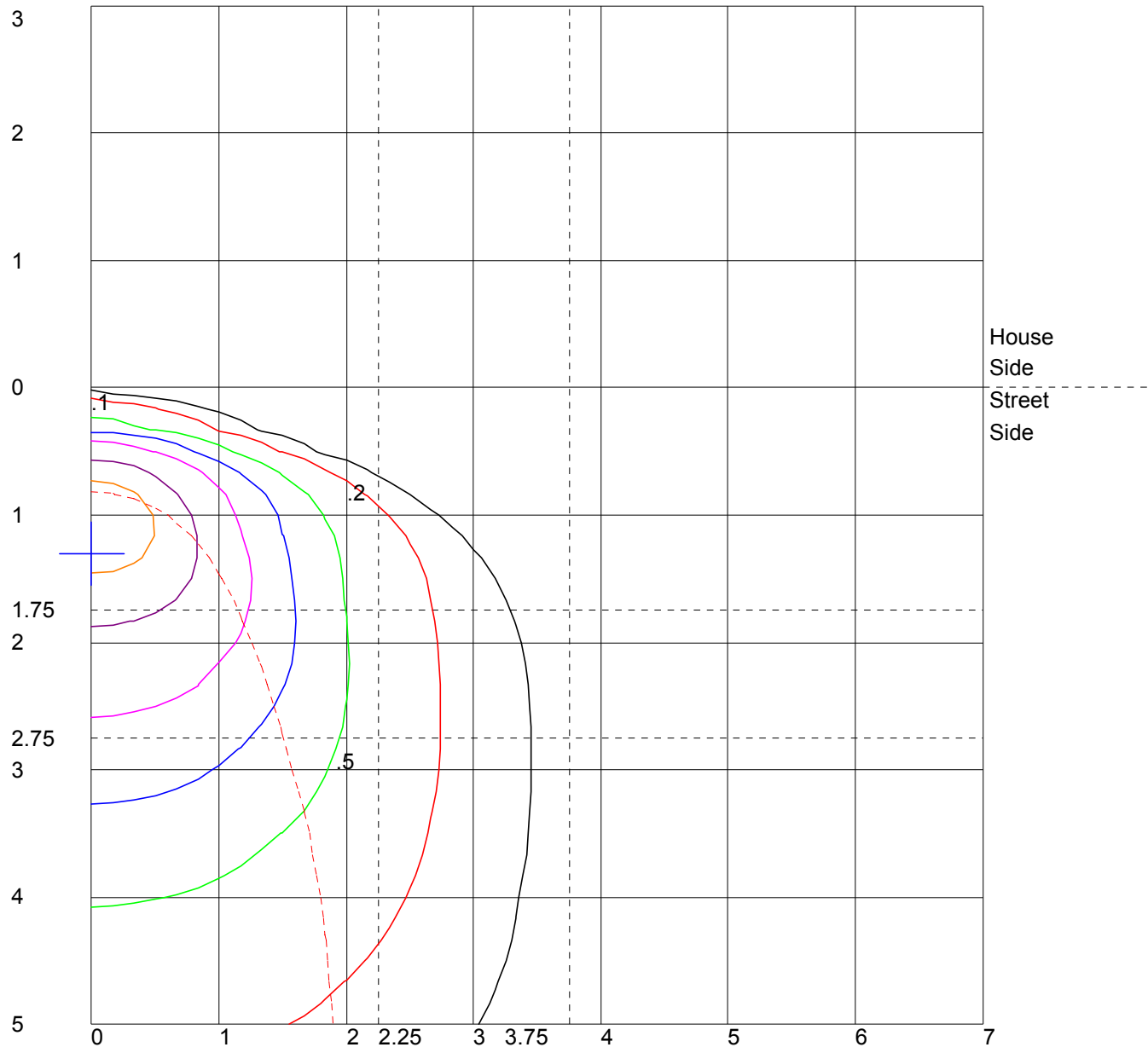
	Lumens	Percent Of Luminaire
Downward Street Side	98.0	84.5
Downward House Side	0.0	0.0
Downward Total	98.0	84.5
Upward Street Side	18.0	15.5
Upward House Side	0.0	0.0
Upward Total	18.0	15.5
Total Flux	116.0	100.0

POLAR GRAPH



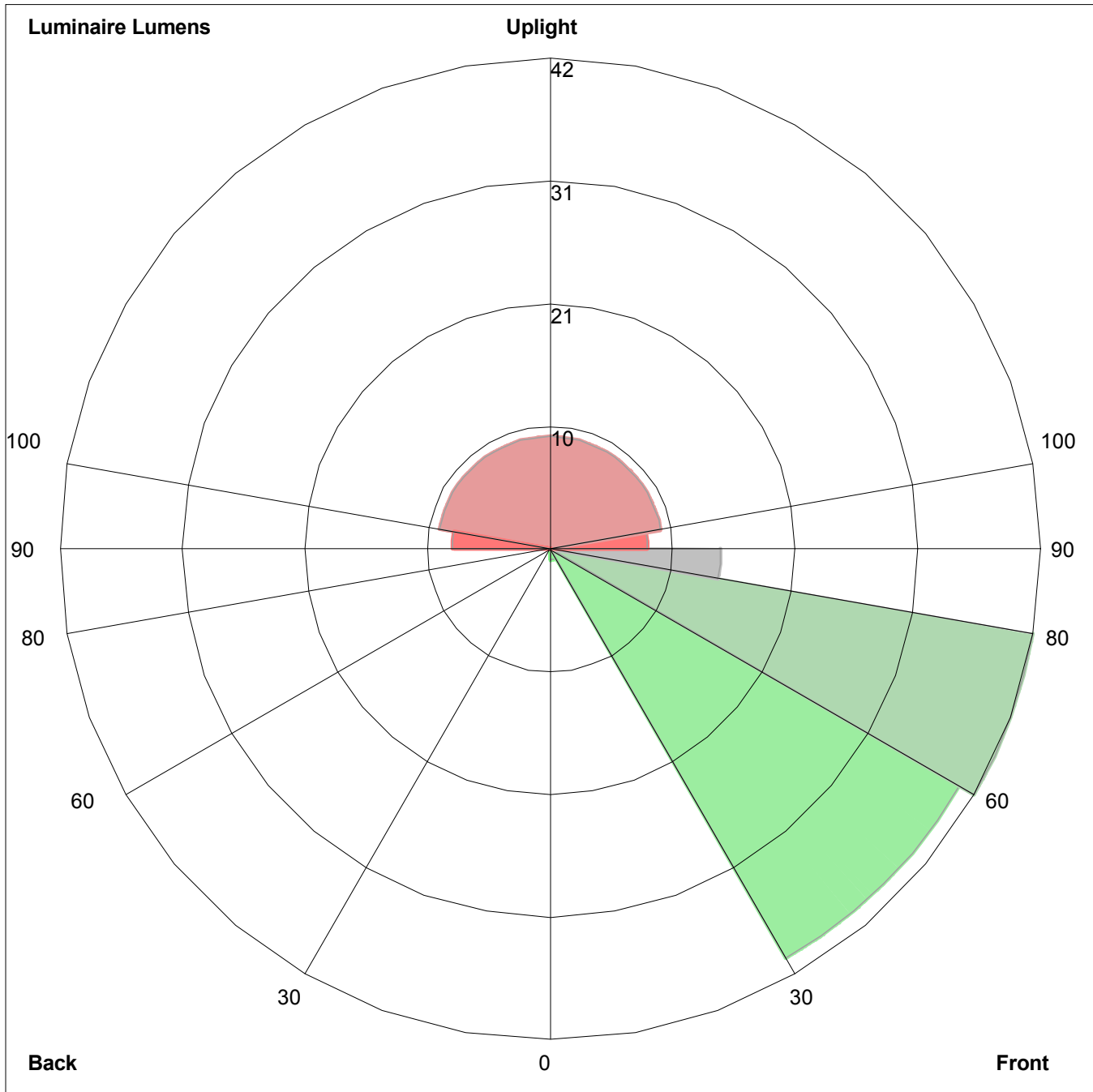
Maximum Candela = 127.89 Located At Horizontal Angle = 0, Vertical Angle = 52.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)

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=0.9, Medium=40.5, High=42.0, Very High=14.6  
 Back: Low=0.0, Medium=0.0, High=0.0, Very High=0.0  
 Uplight: Low=8.3, High=9.6

BUG Rating : B0-U1-G1