

**IES INDOOR REPORT**

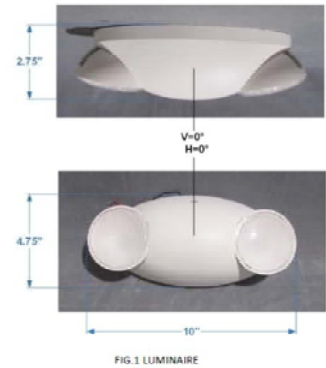
**PHOTOMETRIC FILENAME : L091504601\_FHEM10W.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L091504601  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 9/21/2015  
 [MANUFAC] FULHAM  
 [LUMCAT] FHEM10W  
 [LUMINAIRE] EXIT SIGNS 8 LED Head  
 [MORE] SIZE: 4.75"L. X 10"W. X 2.75"H.  
 [BALLASTCAT] N/A  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [POWER SUPPLY] 3.6VDC CONSTANT VOLTAGE SOURCE  
 [INPUT] 3.6VDC, 3.11W  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	3.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.25 ft
Luminous Width (90-270)	0.83 ft
Luminous Height	0.08 ft



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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1407	1346	1418
55	1118	1197	1152
65	1015	1013	853
75	912	669	816
85	351	821	812

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**CANDELA TABULATION**

	<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>	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72
<b>5.0</b>	152.43	152.39	152.21	151.88	151.10	150.46	149.78	148.61	147.47	146.04
<b>10.0</b>	156.54	156.43	156.26	156.30	156.72	158.08	158.85	159.66	159.71	159.59
<b>15.0</b>	127.43	128.81	131.49	134.92	137.64	141.85	146.45	150.86	154.36	156.89
<b>20.0</b>	95.74	96.78	98.80	104.52	111.30	116.48	123.51	131.88	137.79	143.34
<b>25.0</b>	65.75	67.82	71.12	75.21	80.46	86.84	94.15	100.89	106.68	114.49
<b>30.0</b>	47.24	46.94	49.37	52.64	56.11	59.42	63.55	66.53	70.29	75.64
<b>35.0</b>	35.15	35.31	36.17	37.16	38.29	39.13	39.87	40.89	41.98	44.02
<b>37.5</b>	31.55	31.81	32.30	32.52	32.83	32.86	33.79	33.98	34.15	35.36
<b>40.0</b>	29.41	29.43	29.38	29.62	29.45	29.41	29.65	29.70	29.31	29.58
<b>42.5</b>	27.10	27.44	27.31	27.14	27.29	27.27	26.87	26.32	26.03	26.14
<b>45.0</b>	25.34	25.42	25.61	25.32	25.15	24.61	24.30	24.39	24.00	23.77
<b>47.5</b>	23.71	23.81	23.64	23.71	23.47	23.08	22.53	22.67	22.93	22.53
<b>50.0</b>	22.08	21.96	22.06	21.52	21.28	20.94	21.48	21.02	20.85	20.51
<b>52.5</b>	20.28	20.26	19.85	19.92	20.26	19.87	19.34	19.51	19.26	20.02
<b>55.0</b>	18.03	17.92	18.26	18.36	17.98	18.31	18.05	18.49	19.07	18.82
<b>57.5</b>	16.54	16.54	16.46	17.00	17.10	17.00	17.93	16.76	17.08	17.56
<b>60.0</b>	15.45	15.73	15.52	15.64	16.30	16.39	16.69	16.69	15.50	15.27
<b>62.5</b>	14.33	13.84	14.72	14.72	14.93	14.77	14.52	15.05	14.21	14.03
<b>65.0</b>	13.96	14.20	13.76	14.18	12.53	14.20	13.55	12.77	12.01	13.47
<b>67.5</b>	13.55	13.87	13.23	13.59	12.75	12.21	12.60	11.36	10.60	9.85
<b>70.0</b>	12.30	12.72	13.42	12.38	12.02	11.65	11.53	9.90	9.05	8.53
<b>72.5</b>	12.40	12.53	11.58	11.36	11.73	9.76	9.44	9.15	8.47	7.93
<b>75.0</b>	9.99	10.73	12.43	10.22	9.22	9.71	8.54	7.49	7.17	7.01
<b>77.5</b>	12.60	10.97	9.46	9.54	8.27	6.95	6.44	6.93	6.56	6.39
<b>80.0</b>	7.13	6.78	7.32	7.35	6.59	7.85	7.57	7.76	6.56	6.89
<b>85.0</b>	2.75	2.72	3.13	3.48	3.58	4.40	4.30	4.70	5.74	6.03
<b>90.0</b>	1.83	1.85	1.83	1.85	1.89	1.87	1.85	1.85	1.89	1.89
<b>95.0</b>	1.26	1.27	1.26	1.26	1.27	1.34	1.36	1.36	1.36	1.31
<b>100.0</b>	0.85	0.85	0.88	0.90	0.90	0.92	0.95	0.97	0.97	0.97
<b>105.0</b>	0.61	0.59	0.59	0.65	0.68	0.71	0.73	0.75	0.76	0.76
<b>110.0</b>	0.54	0.54	0.54	0.54	0.56	0.56	0.56	0.54	0.54	0.53
<b>115.0</b>	0.48	0.46	0.46	0.48	0.48	0.48	0.49	0.48	0.48	0.48
<b>120.0</b>	0.41	0.43	0.43	0.43	0.44	0.43	0.43	0.43	0.43	0.41
<b>125.0</b>	0.37	0.37	0.39	0.37	0.39	0.39	0.39	0.37	0.37	0.37
<b>130.0</b>	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37
<b>135.0</b>	0.34	0.34	0.32	0.36	0.34	0.34	0.36	0.36	0.34	0.36
<b>140.0</b>	0.00	0.00	0.00	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	0.00	0.00	0.00
<b>150.0</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>160.0</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>170.0</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>180.0</b>	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>
<b>0.0</b>	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72
<b>5.0</b>	144.58	142.56	140.08	137.28	134.34	131.17	128.11	124.98	121.81	119.09
<b>10.0</b>	159.41	158.52	157.25	155.08	152.83	149.79	145.51	140.22	134.88	128.79
<b>15.0</b>	159.24	160.75	161.87	161.02	158.47	155.99	152.10	147.47	140.76	133.27

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**CANDELA TABULATION - (Cont.)**

<b>20.0</b>	148.47	151.42	151.80	150.83	148.88	144.77	140.08	134.77	128.18	120.65
<b>25.0</b>	119.69	123.91	125.82	124.47	121.60	117.48	112.45	104.67	97.78	91.07
<b>30.0</b>	79.27	82.45	84.94	85.16	84.09	81.83	78.40	73.51	66.94	60.11
<b>35.0</b>	46.00	48.50	50.16	50.79	51.74	51.47	48.89	46.16	43.42	38.55
<b>37.5</b>	36.43	37.68	38.60	38.97	39.38	39.67	38.65	36.77	34.51	32.04
<b>40.0</b>	30.33	30.40	30.92	32.20	31.91	31.21	31.30	30.28	28.02	26.07
<b>42.5</b>	26.27	26.71	26.87	26.75	26.66	26.68	25.66	25.71	24.52	23.06
<b>45.0</b>	24.37	23.88	23.69	24.08	23.42	23.54	23.11	22.14	21.21	21.07
<b>47.5</b>	22.74	21.97	22.16	22.04	21.09	20.84	20.23	19.89	19.78	19.12
<b>50.0</b>	20.53	21.21	20.46	20.19	19.41	19.00	18.95	18.95	17.71	17.13
<b>52.5</b>	19.67	19.48	18.49	18.66	18.17	18.14	17.47	16.25	16.03	15.81
<b>55.0</b>	17.58	17.88	18.36	17.36	17.42	16.01	15.20	14.55	14.50	14.20
<b>57.5</b>	16.54	16.13	15.59	15.13	14.26	13.98	13.91	12.58	12.13	12.01
<b>60.0</b>	14.43	14.83	14.71	13.30	12.41	11.90	11.79	11.09	10.75	10.17
<b>62.5</b>	13.09	12.94	12.35	11.19	10.82	10.29	9.95	9.46	9.07	9.49
<b>65.0</b>	12.06	10.80	10.27	9.97	9.56	9.17	8.86	8.73	8.39	8.20
<b>67.5</b>	9.60	9.32	8.59	8.37	8.42	8.12	8.00	7.83	7.63	7.30
<b>70.0</b>	8.10	8.07	8.22	7.91	7.37	7.25	7.10	7.17	6.88	6.66
<b>72.5</b>	7.96	7.42	7.15	7.49	6.81	6.91	6.59	6.22	6.11	6.11
<b>75.0</b>	7.12	7.01	7.01	6.83	6.59	6.30	6.23	5.77	5.54	5.88
<b>77.5</b>	6.33	6.32	6.39	6.40	5.83	5.32	5.49	5.89	5.06	4.81
<b>80.0</b>	7.00	6.91	7.00	6.45	5.23	4.64	5.09	5.26	4.81	4.47
<b>85.0</b>	5.43	5.84	6.15	5.81	4.08	3.62	3.26	3.36	2.87	2.29
<b>90.0</b>	1.82	1.77	1.72	1.65	1.58	1.49	1.41	1.34	1.26	1.21
<b>95.0</b>	1.31	1.27	1.22	1.17	1.12	1.05	1.00	0.95	0.92	0.88
<b>100.0</b>	0.92	0.90	0.87	0.83	0.78	0.76	0.73	0.71	0.71	0.66
<b>105.0</b>	0.75	0.71	0.68	0.65	0.61	0.61	0.61	0.58	0.54	0.53
<b>110.0</b>	0.51	0.49	0.48	0.46	0.46	0.43	0.43	0.44	0.44	0.43
<b>115.0</b>	0.46	0.46	0.46	0.43	0.44	0.41	0.41	0.41	0.43	0.43
<b>120.0</b>	0.41	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
<b>125.0</b>	0.37	0.39	0.36	0.36	0.39	0.39	0.39	0.39	0.39	0.39
<b>130.0</b>	0.37	0.36	0.36	0.36	0.37	0.39	0.39	0.39	0.39	0.39
<b>135.0</b>	0.36	0.00	0.00	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	0.00	0.00	0.00
<b>145.0</b>	0.00	0.00	0.00	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	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>160.0</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>170.0</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>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**

	<b>100</b>	<b>105</b>	<b>110</b>	<b>115</b>	<b>120</b>	<b>125</b>	<b>130</b>	<b>135</b>	<b>140</b>	<b>145</b>
<b>0.0</b>	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72	120.72
<b>5.0</b>	115.83	112.49	109.33	106.13	103.03	99.85	96.66	93.77	91.29	88.95
<b>10.0</b>	122.44	115.90	109.26	102.93	95.54	88.58	82.07	76.55	71.46	66.50
<b>15.0</b>	125.34	117.04	108.16	98.49	89.14	80.41	72.53	64.36	57.96	52.00
<b>20.0</b>	110.91	103.30	94.13	84.77	75.25	67.40	59.30	51.66	45.97	41.62
<b>25.0</b>	83.45	75.16	68.27	61.61	55.02	48.99	43.78	39.19	35.37	32.77
<b>30.0</b>	55.21	49.72	45.07	40.96	37.67	34.83	32.28	30.24	28.51	27.37
<b>35.0</b>	35.03	31.82	29.46	27.87	26.15	24.88	24.22	23.83	23.03	22.53
<b>37.5</b>	29.45	26.98	25.44	24.32	23.38	22.60	22.18	21.86	21.06	20.60
<b>40.0</b>	24.57	23.27	22.48	22.09	21.96	21.18	20.36	19.58	18.78	19.05

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**CANDELA TABULATION - (Cont.)**

42.5	22.37	21.47	20.62	20.90	19.94	18.92	18.78	17.83	17.25	17.19
45.0	20.40	19.99	19.09	18.71	18.27	17.70	17.10	16.15	15.73	15.52
47.5	18.36	17.90	17.19	17.17	17.07	16.06	15.71	14.71	13.89	13.98
50.0	16.39	16.25	15.83	15.50	15.20	15.95	14.86	14.77	13.42	13.30
52.5	15.62	15.96	15.88	15.23	14.84	14.10	13.43	13.59	11.94	12.16
55.0	13.31	13.09	12.30	12.48	12.36	12.13	11.87	10.97	10.85	11.19
57.5	11.07	10.72	10.44	9.90	9.44	9.00	8.63	8.46	7.66	7.61
60.0	9.78	9.78	9.41	8.85	8.36	8.22	7.51	7.10	6.96	7.86
62.5	8.86	8.15	8.39	7.61	7.30	7.20	6.66	7.29	7.08	5.91
65.0	7.93	7.29	7.17	7.51	6.47	6.13	6.81	6.10	5.52	5.54
67.5	7.25	6.93	6.40	6.62	6.18	5.81	5.04	5.96	4.52	4.40
70.0	6.18	6.27	5.96	5.11	5.15	5.81	4.91	4.36	3.62	3.04
72.5	5.60	5.64	5.13	5.43	5.06	4.57	3.41	2.87	2.99	2.62
75.0	5.23	4.94	5.52	3.91	3.19	3.55	3.48	2.39	2.24	1.94
77.5	4.89	3.87	3.60	2.92	2.73	2.41	2.23	1.70	1.56	1.46
80.0	3.31	2.80	2.72	2.77	2.24	1.72	1.55	1.44	1.33	1.24
85.0	1.80	1.53	1.46	1.38	1.33	1.24	1.16	1.09	1.00	0.95
90.0	1.14	1.09	1.05	1.00	0.95	0.93	0.90	0.83	0.76	0.70
95.0	0.85	0.82	0.82	0.78	0.73	0.70	0.68	0.70	0.65	0.58
100.0	0.66	0.65	0.61	0.63	0.61	0.58	0.54	0.53	0.51	0.53
105.0	0.53	0.51	0.48	0.49	0.49	0.49	0.49	0.48	0.48	0.46
110.0	0.46	0.46	0.46	0.46	0.46	0.44	0.44	0.44	0.43	0.43
115.0	0.43	0.43	0.41	0.43	0.43	0.41	0.41	0.41	0.41	0.39
120.0	0.39	0.39	0.41	0.41	0.41	0.41	0.41	0.41	0.39	0.39
125.0	0.39	0.39	0.39	0.41	0.39	0.41	0.41	0.39	0.39	0.41
130.0	0.39	0.39	0.41	0.41	0.41	0.41	0.39	0.41	0.41	0.41
135.0	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
145.0	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
155.0	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
165.0	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
175.0	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**

	<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>	120.72	120.72	120.72	120.72	120.72	120.72	120.72
<b>5.0</b>	86.91	85.37	83.82	82.56	81.61	81.19	80.97
<b>10.0</b>	62.48	58.31	54.90	52.75	51.40	50.52	50.10
<b>15.0</b>	47.01	43.86	41.45	40.09	39.06	38.29	37.73
<b>20.0</b>	38.21	36.44	34.88	33.76	33.08	32.84	32.94
<b>25.0</b>	31.57	30.31	29.43	28.77	28.89	28.95	29.00
<b>30.0</b>	26.42	26.27	25.97	25.69	25.25	24.64	24.59
<b>35.0</b>	21.80	21.41	21.96	21.41	20.96	21.18	20.96
<b>37.5</b>	19.95	19.48	19.90	19.26	18.71	19.19	19.83
<b>40.0</b>	18.29	17.24	17.36	16.23	16.56	17.13	16.71
<b>42.5</b>	15.78	15.66	16.39	15.39	15.30	15.56	14.91
<b>45.0</b>	14.57	14.79	14.72	13.81	13.69	13.89	12.84
<b>47.5</b>	13.50	12.75	11.97	11.96	12.38	11.96	13.04
<b>50.0</b>	12.57	11.72	11.14	11.60	11.89	10.73	10.70
<b>52.5</b>	11.79	11.58	10.61	10.48	10.94	10.56	10.66
<b>55.0</b>	9.49	9.90	9.48	9.63	8.88	8.42	8.93

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>57.5</b>	8.17	8.41	7.71	7.69	8.17	8.10	8.49
<b>60.0</b>	6.30	6.32	6.64	6.67	6.61	6.40	5.64
<b>62.5</b>	6.20	5.89	4.99	4.43	4.35	4.47	5.71
<b>65.0</b>	4.50	4.21	3.72	3.67	3.86	3.28	2.96
<b>67.5</b>	3.60	3.46	3.43	2.92	2.58	2.31	2.28
<b>70.0</b>	2.97	2.73	2.38	2.06	1.99	1.94	1.94
<b>72.5</b>	2.29	1.89	1.80	1.72	1.66	1.63	1.63
<b>75.0</b>	1.70	1.60	1.53	1.46	1.41	1.36	1.36
<b>77.5</b>	1.41	1.38	1.29	1.22	1.19	1.17	1.19
<b>80.0</b>	1.16	1.10	1.04	1.07	1.04	0.97	0.95
<b>85.0</b>	0.92	0.88	0.80	0.76	0.73	0.71	0.68
<b>90.0</b>	0.70	0.66	0.61	0.59	0.58	0.58	0.61
<b>95.0</b>	0.56	0.54	0.51	0.51	0.51	0.49	0.51
<b>100.0</b>	0.51	0.49	0.48	0.46	0.46	0.46	0.44
<b>105.0</b>	0.46	0.44	0.44	0.44	0.43	0.43	0.41
<b>110.0</b>	0.43	0.43	0.41	0.41	0.39	0.39	0.41
<b>115.0</b>	0.39	0.39	0.41	0.39	0.39	0.39	0.37
<b>120.0</b>	0.39	0.37	0.39	0.00	0.00	0.00	0.00
<b>125.0</b>	0.41	0.41	0.39	0.00	0.00	0.00	0.00
<b>130.0</b>	0.41	0.41	0.43	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>140.0</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>150.0</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>160.0</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>170.0</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>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	42.22	N.A.	28.50
0-30	76.43	N.A.	51.60
0-40	99.15	N.A.	67.00
0-60	127.91	N.A.	86.40
0-80	142.46	N.A.	96.30
0-90	145.48	N.A.	98.30
10-90	134.09	N.A.	90.60
20-40	56.93	N.A.	38.50
20-50	72.90	N.A.	49.30
40-70	37.50	N.A.	25.30
60-80	14.55	N.A.	9.80
70-80	5.80	N.A.	3.90
80-90	3.03	N.A.	2.00
90-110	1.67	N.A.	1.10
90-120	2.10	N.A.	1.40
90-130	2.41	N.A.	1.60
90-150	2.52	N.A.	1.70
90-180	2.52	N.A.	1.70
110-180	0.85	N.A.	0.60
0-180	148.01	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	11.40
10-20	30.82
20-30	34.21
30-40	22.72
40-50	15.97
50-60	12.78
60-70	8.75
70-80	5.80
80-90	3.03
90-100	1.06
100-110	0.61
110-120	0.42
120-130	0.32
130-140	0.11
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L091504601\_FHEM10W.IES**

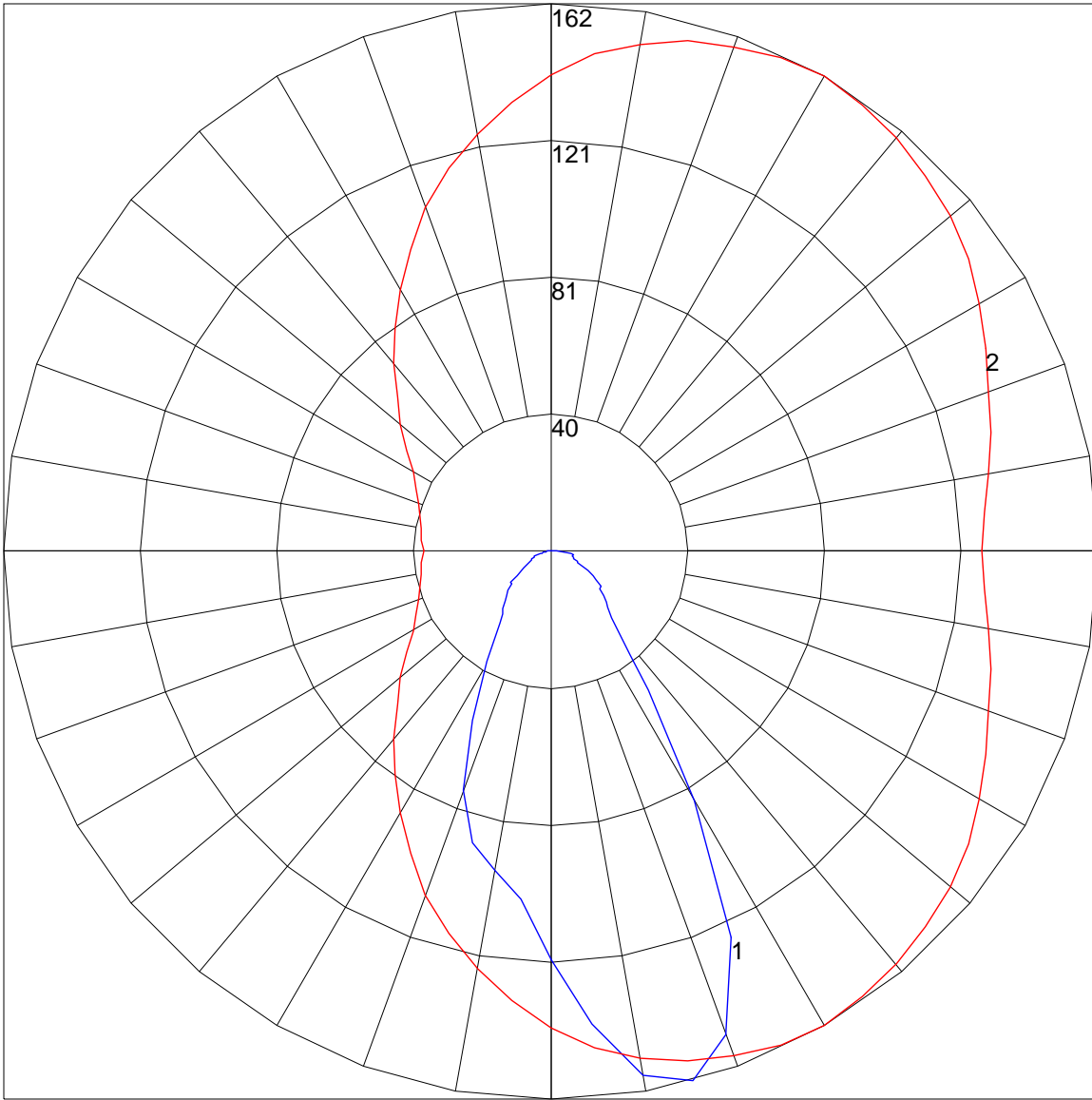
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	110	106	103	100	108	104	101	98	100	97	95	95	93	91	92	90	88	86
2	103	96	90	86	100	94	89	85	90	86	82	87	83	80	84	81	78	76
3	96	87	81	75	93	86	79	75	83	77	73	80	75	72	77	73	70	68
4	90	80	73	67	87	78	72	67	76	70	66	73	69	65	71	67	64	62
5	84	73	66	61	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51
7	74	63	56	51	73	62	55	50	61	54	50	59	54	50	58	53	49	47
8	70	59	52	47	69	58	51	47	57	51	46	55	50	46	54	49	46	44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	40	38



POLAR GRAPH



Maximum Candela = 161.87 Located At Horizontal Angle = 60, Vertical Angle = 15  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)