



## Photometric Test Report

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L101915301.IES**

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L101915301  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUEDATE] 11/1/2019  
[MANUFAC] Bartco Lighting, Inc.  
[LUMCAT] BSS255-4-35-R-BATWING  
[LUMINAIRE] Linear bi-directional luminaire with indirect batwing optic  
[BALLASTCAT] PHILIPS ADVANCE XI040C110V054BST1  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
[INPUT] 120.03VAC, 29.27W  
[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2743
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	29.27
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Unknown
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.16 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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</b>	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
<b>5</b>	2.35	8.06	13.73	19.31	24.77	30.05	35.12	39.95	44.49	48.70
<b>10</b>	2.39	13.78	25.08	36.22	47.10	57.66	68.04	87.18	105.71	122.97
<b>15</b>	2.47	19.54	36.47	53.15	70.50	102.36	133.05	162.36	190.06	219.08
<b>20</b>	2.47	25.38	48.10	71.48	114.70	156.72	197.24	243.17	287.59	329.45
<b>25</b>	2.47	31.10	59.51	103.85	157.26	210.76	270.87	328.80	385.31	440.19
<b>30</b>	2.52	36.43	70.40	133.64	196.50	268.68	339.99	411.09	479.95	543.50
<b>35</b>	2.52	40.98	87.69	158.99	235.85	318.67	401.65	484.24	556.53	625.64
<b>40</b>	2.47	44.92	102.21	178.54	267.00	357.89	450.13	532.72	608.72	668.01
<b>45</b>	2.60	47.85	112.46	193.40	286.60	382.15	476.09	555.58	623.25	685.54
<b>50</b>	2.72	48.30	116.32	199.46	291.84	386.78	472.47	550.05	617.47	675.73
<b>55</b>	2.93	45.74	112.56	192.87	279.45	367.82	447.37	519.69	584.23	644.02
<b>60</b>	3.06	40.54	102.00	175.40	252.31	329.10	403.57	471.83	530.93	584.71
<b>65</b>	2.68	34.45	88.84	153.00	219.36	285.86	350.51	410.65	466.96	517.54
<b>70</b>	2.35	30.18	78.69	134.58	192.16	249.65	305.26	357.07	405.74	453.18
<b>75</b>	2.14	27.28	71.67	121.70	173.54	224.63	274.27	320.99	363.86	404.32
<b>80</b>	1.97	25.79	66.68	113.36	161.78	208.75	254.33	297.50	337.28	372.79
<b>85</b>	1.93	24.44	63.93	108.81	155.71	200.73	245.08	286.13	323.41	356.59
<b>90</b>	2.01	23.72	62.20	106.29	152.39	197.83	242.17	283.49	319.79	350.72
<b>95</b>	1.93	24.44	63.87	108.81	155.71	200.73	245.08	286.13	323.41	356.59
<b>100</b>	1.97	25.78	66.68	113.36	161.78	208.75	254.33	297.50	337.28	372.79
<b>105</b>	2.14	27.24	71.67	121.70	173.54	224.63	274.27	320.99	363.86	404.32
<b>110</b>	2.35	30.11	78.69	134.58	192.16	249.65	305.26	357.07	405.74	453.18
<b>115</b>	2.68	34.32	88.84	153.00	219.36	285.86	350.51	410.65	466.96	517.54
<b>120</b>	3.06	40.40	102.00	175.40	252.31	329.10	403.57	471.83	530.93	584.71
<b>125</b>	2.93	45.74	112.56	192.87	279.45	367.82	447.37	519.69	584.23	644.02
<b>130</b>	2.72	48.30	116.32	199.46	291.84	386.78	472.47	550.05	617.47	675.73
<b>135</b>	2.60	47.85	112.46	193.40	286.60	382.15	476.09	555.58	623.25	685.54
<b>140</b>	2.47	44.92	102.21	178.54	267.00	357.89	450.13	532.72	608.72	668.01
<b>145</b>	2.52	40.98	87.69	158.99	235.85	318.67	401.65	484.24	556.53	625.64
<b>150</b>	2.52	36.43	70.40	133.64	196.50	268.68	339.99	411.09	479.95	543.50
<b>155</b>	2.47	31.10	59.51	103.85	157.26	210.76	270.87	328.80	385.31	440.19
<b>160</b>	2.47	25.38	48.10	71.48	114.70	156.72	197.24	243.17	287.59	329.45
<b>165</b>	2.47	19.54	36.47	53.15	70.50	102.36	133.05	162.36	190.06	219.08
<b>170</b>	2.39	13.78	25.08	36.22	47.10	57.66	68.04	87.18	105.71	122.97
<b>175</b>	2.35	8.06	13.73	19.31	24.77	30.05	35.12	39.95	44.49	48.70
<b>180</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</b>	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
<b>5</b>	52.57	56.05	59.13	61.77	63.96	65.68	67.91	67.90	67.90	67.90
<b>10</b>	138.84	153.19	165.90	176.81	185.89	193.04	198.21	202.38	202.44	202.38
<b>15</b>	248.12	274.48	297.91	318.21	335.19	348.44	357.99	365.71	365.81	365.71
<b>20</b>	368.73	406.29	440.00	469.24	493.82	513.55	527.57	538.84	539.16	538.84
<b>25</b>	491.67	538.57	578.34	613.70	643.77	667.80	685.72	696.22	700.27	696.22
<b>30</b>	600.75	654.39	697.04	728.31	756.11	779.14	796.78	807.28	811.59	807.28
<b>35</b>	682.14	725.57	768.65	799.22	824.64	845.74	860.77	870.39	874.12	870.39
<b>40</b>	720.60	764.45	803.66	838.23	864.49	886.19	902.89	913.60	917.45	913.60
<b>45</b>	733.97	781.94	819.86	857.02	883.66	906.65	924.66	936.35	940.17	936.34
<b>50</b>	727.45	773.43	813.20	848.57	877.67	899.62	917.54	929.59	934.22	929.59
<b>55</b>	692.39	736.85	779.15	810.88	842.04	863.70	880.28	891.70	896.67	891.70
<b>60</b>	633.15	678.83	715.66	749.80	780.48	801.89	819.51	831.38	835.98	831.38

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	562.16	603.51	641.74	675.27	702.05	724.40	740.10	748.81	752.57	748.81
<b>70</b>	495.31	534.75	568.95	598.78	624.32	643.79	656.86	664.40	666.99	664.40
<b>75</b>	442.05	474.88	506.79	533.74	556.13	572.99	584.64	590.70	591.46	590.70
<b>80</b>	405.73	436.71	462.46	486.15	506.41	522.47	533.92	541.13	541.25	541.13
<b>85</b>	386.42	413.22	437.83	460.89	481.14	497.43	509.04	516.02	516.94	516.02
<b>90</b>	378.55	404.79	429.10	451.98	472.60	489.53	501.77	508.90	511.00	508.90
<b>95</b>	386.42	413.22	437.71	460.89	481.14	497.43	509.04	516.02	516.94	516.02
<b>100</b>	405.73	436.71	462.46	486.15	506.41	522.47	533.92	541.13	541.25	541.13
<b>105</b>	442.05	474.56	506.79	533.74	556.13	572.99	584.64	590.70	591.46	590.70
<b>110</b>	495.31	534.75	568.95	598.78	624.32	643.79	656.86	664.40	666.99	664.40
<b>115</b>	562.16	603.51	641.75	675.27	702.05	724.40	740.10	748.81	752.57	748.81
<b>120</b>	633.15	678.83	715.66	749.80	780.48	801.89	819.51	831.38	835.98	831.38
<b>125</b>	692.39	736.85	779.15	810.88	842.04	863.70	880.28	891.70	896.67	891.70
<b>130</b>	727.45	773.43	813.20	848.57	877.67	899.62	917.54	929.59	934.22	929.59
<b>135</b>	733.97	781.94	819.86	857.02	883.66	906.65	924.66	936.34	940.17	936.35
<b>140</b>	720.60	764.45	803.66	838.23	864.49	886.19	902.89	913.60	917.45	913.60
<b>145</b>	682.14	725.57	768.65	799.22	824.64	845.74	860.77	870.39	874.12	870.39
<b>150</b>	600.75	654.39	697.04	728.31	756.11	779.14	796.78	807.28	811.59	807.28
<b>155</b>	491.67	538.55	578.34	613.71	643.77	667.80	685.72	696.22	700.27	696.22
<b>160</b>	368.73	406.29	440.00	469.24	493.82	513.55	527.57	538.84	539.16	538.84
<b>165</b>	248.12	274.48	297.91	318.21	335.19	348.44	357.99	365.71	365.81	365.71
<b>170</b>	138.84	153.19	165.89	176.81	185.89	193.04	198.21	202.38	202.44	202.38
<b>175</b>	52.57	56.05	59.13	61.77	63.96	65.68	67.91	67.90	67.90	67.90
<b>180</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><b>100</b></u>	<u><b>105</b></u>	<u><b>110</b></u>	<u><b>115</b></u>	<u><b>120</b></u>	<u><b>125</b></u>	<u><b>130</b></u>	<u><b>135</b></u>	<u><b>140</b></u>	<u><b>145</b></u>
<b>0</b>	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
<b>5</b>	67.91	65.68	63.96	61.77	59.13	56.05	52.57	48.70	44.49	39.95
<b>10</b>	198.21	193.04	185.89	176.81	165.89	153.19	138.84	122.97	105.71	87.18
<b>15</b>	357.99	348.44	335.19	318.21	297.91	274.48	248.12	219.08	190.06	162.36
<b>20</b>	527.57	513.55	493.82	469.24	440.00	406.29	368.73	329.45	287.59	243.17
<b>25</b>	685.72	667.80	643.77	613.70	578.34	538.55	491.67	440.19	385.31	328.80
<b>30</b>	796.78	779.14	756.11	728.31	697.04	654.39	600.75	543.50	479.95	411.09
<b>35</b>	860.77	845.74	824.64	799.22	768.65	725.57	682.14	625.64	556.53	484.24
<b>40</b>	902.89	886.19	864.49	838.23	803.66	764.45	720.60	668.01	608.72	532.72
<b>45</b>	924.66	906.65	883.66	857.02	819.86	781.94	733.97	685.54	623.25	555.58
<b>50</b>	917.54	899.62	877.67	848.57	813.20	773.43	727.45	675.73	617.47	550.05
<b>55</b>	880.28	863.70	842.04	810.88	779.15	736.85	692.39	644.02	584.23	519.69
<b>60</b>	819.51	801.89	780.48	749.80	715.66	678.83	633.15	584.71	530.93	471.83
<b>65</b>	740.10	724.40	702.05	675.27	641.74	603.51	562.16	517.54	466.96	410.65
<b>70</b>	656.86	643.79	624.32	598.78	568.95	534.75	495.31	453.18	405.74	357.07
<b>75</b>	584.64	572.99	556.13	533.74	506.79	474.56	442.05	404.32	363.86	320.99
<b>80</b>	533.92	522.47	506.41	486.15	462.46	436.71	405.73	372.79	337.28	297.50
<b>85</b>	509.04	497.43	481.14	460.89	437.71	413.22	386.42	356.59	323.41	286.13
<b>90</b>	501.77	489.53	472.60	451.98	429.10	404.79	378.55	350.72	319.79	283.49
<b>95</b>	509.04	497.43	481.14	460.89	437.83	413.22	386.42	356.59	323.41	286.13
<b>100</b>	533.92	522.47	506.41	486.15	462.46	436.71	405.73	372.79	337.28	297.50
<b>105</b>	584.64	572.99	556.13	533.74	506.79	474.88	442.05	404.32	363.86	320.99
<b>110</b>	656.86	643.79	624.32	598.78	568.95	534.75	495.31	453.18	405.74	357.07
<b>115</b>	740.10	724.40	702.05	675.27	641.75	603.51	562.16	517.54	466.96	410.65
<b>120</b>	819.51	801.89	780.48	749.80	715.66	678.83	633.15	584.71	530.93	471.83
<b>125</b>	880.28	863.70	842.04	810.88	779.15	736.85	692.39	644.02	584.23	519.69
<b>130</b>	917.54	899.62	877.67	848.57	813.20	773.43	727.45	675.73	617.47	550.05
<b>135</b>	924.66	906.65	883.66	857.02	819.86	781.94	733.97	685.54	623.25	555.58

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

140	902.89	886.19	864.49	838.23	803.66	764.45	720.60	668.01	608.72	532.72
145	860.77	845.74	824.64	799.22	768.65	725.57	682.14	625.64	556.53	484.24
150	796.78	779.14	756.11	728.31	697.04	654.39	600.75	543.50	479.95	411.09
155	685.72	667.80	643.77	613.70	578.34	538.57	491.67	440.19	385.31	328.80
160	527.57	513.55	493.82	469.24	440.00	406.29	368.73	329.45	287.59	243.17
165	357.99	348.44	335.19	318.21	297.91	274.48	248.12	219.08	190.06	162.36
170	198.21	193.04	185.89	176.81	165.90	153.19	138.84	122.97	105.71	87.18
175	67.91	65.68	63.96	61.77	59.13	56.05	52.57	48.70	44.49	39.95
180	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>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
5	35.12	30.05	24.77	19.31	13.73	8.06	2.35	0.00	0.00	0.00
10	68.04	57.66	47.10	36.22	25.08	13.78	2.39	0.00	0.00	0.00
15	133.05	102.36	70.50	53.15	36.47	19.54	2.47	0.00	0.00	0.00
20	197.24	156.72	114.70	71.48	48.10	25.38	2.47	0.00	0.00	0.00
25	270.87	210.76	157.26	103.85	59.51	31.10	2.47	0.00	0.00	0.00
30	339.99	268.68	196.50	133.64	70.40	36.43	2.52	0.00	0.00	0.00
35	401.65	318.67	235.85	158.99	87.69	40.98	2.52	0.00	0.00	0.00
40	450.13	357.89	267.00	178.54	102.21	44.92	2.47	0.00	0.00	0.00
45	476.09	382.15	286.60	193.40	112.46	47.85	2.60	0.00	0.00	0.00
50	472.47	386.78	291.84	199.46	116.32	48.30	2.72	0.00	0.00	0.00
55	447.37	367.82	279.45	192.88	112.56	45.74	0.00	0.00	0.00	0.00
60	403.57	329.10	252.31	175.40	102.00	40.40	0.00	0.00	0.00	0.00
65	350.51	285.86	219.36	153.00	88.84	34.32	0.00	0.00	0.00	0.00
70	305.26	249.65	192.16	134.58	78.69	30.11	0.00	0.00	0.00	0.00
75	274.27	224.63	173.54	121.70	71.67	27.24	0.00	0.00	0.00	0.00
80	254.33	208.75	161.78	113.36	66.68	25.78	0.00	0.00	0.00	0.00
85	245.08	200.73	155.71	108.81	63.87	24.44	0.00	0.00	0.00	0.00
90	242.17	197.83	152.39	106.29	62.20	23.72	0.00	0.00	0.00	0.00
95	245.08	200.73	155.71	108.81	63.93	24.44	0.00	0.00	0.00	0.00
100	254.33	208.75	161.78	113.36	66.68	25.79	0.00	0.00	0.00	0.00
105	274.27	224.63	173.54	121.70	71.67	27.28	0.00	0.00	0.00	0.00
110	305.26	249.65	192.16	134.58	78.69	30.18	0.00	0.00	0.00	0.00
115	350.51	285.86	219.36	153.00	88.84	34.45	0.00	0.00	0.00	0.00
120	403.57	329.10	252.31	175.40	102.00	40.54	0.00	0.00	0.00	0.00
125	447.37	367.82	279.45	192.88	112.56	45.74	0.00	0.00	0.00	0.00
130	472.47	386.78	291.84	199.46	116.32	48.30	0.00	0.00	0.00	0.00
135	476.09	382.15	286.60	193.40	112.46	47.85	2.60	0.00	0.00	0.00
140	450.13	357.89	267.00	178.54	102.21	44.92	2.47	0.00	0.00	0.00
145	401.65	318.67	235.85	158.99	87.69	40.98	2.52	0.00	0.00	0.00
150	339.99	268.68	196.50	133.64	70.40	36.43	2.52	0.00	0.00	0.00
155	270.87	210.76	157.26	103.85	59.51	31.10	2.47	0.00	0.00	0.00
160	197.24	156.72	114.70	71.48	48.10	25.38	2.47	0.00	0.00	0.00
165	133.05	102.36	70.50	53.15	36.47	19.54	2.47	0.00	0.00	0.00
170	68.04	57.66	47.10	36.22	25.08	13.78	2.39	0.00	0.00	0.00
175	35.12	30.05	24.77	19.31	13.73	8.06	2.35	0.00	0.00	0.00
180	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>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L101915301.IES**

**CANDELA TABULATION - (Cont.)**

10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L101915301.IES**

**CANDELA TABULATION - (Cont.)**

<b>85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>140</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</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><u>300</u></b>	<b><u>305</u></b>	<b><u>310</u></b>	<b><u>315</u></b>	<b><u>320</u></b>	<b><u>325</u></b>	<b><u>330</u></b>	<b><u>335</u></b>	<b><u>340</u></b>	<b><u>345</u></b>
<b>0</b>	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
<b>5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>10</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>15</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>20</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>25</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>30</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>35</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>40</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>45</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>50</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>55</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>60</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>65</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>70</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>75</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>80</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>140</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L101915301.IES**

**CANDELA TABULATION - (Cont.)**

<b>160</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</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**

	<u><b>350</b></u>	<u><b>355</b></u>	<u><b>360</b></u>
<b>0</b>	2.26	2.26	2.26
<b>5</b>	0.00	0.00	2.35
<b>10</b>	0.00	0.00	2.39
<b>15</b>	0.00	0.00	2.47
<b>20</b>	0.00	0.00	2.47
<b>25</b>	0.00	0.00	2.47
<b>30</b>	0.00	0.00	2.52
<b>35</b>	0.00	0.00	2.52
<b>40</b>	0.00	0.00	2.47
<b>45</b>	0.00	0.00	2.60
<b>50</b>	0.00	0.00	2.72
<b>55</b>	0.00	0.00	2.93
<b>60</b>	0.00	0.00	3.06
<b>65</b>	0.00	0.00	2.68
<b>70</b>	0.00	0.00	2.35
<b>75</b>	0.00	0.00	2.14
<b>80</b>	0.00	0.00	1.97
<b>85</b>	0.00	0.00	1.93
<b>90</b>	0.00	0.00	2.01
<b>95</b>	0.00	0.00	1.93
<b>100</b>	0.00	0.00	1.97
<b>105</b>	0.00	0.00	2.14
<b>110</b>	0.00	0.00	2.35
<b>115</b>	0.00	0.00	2.68
<b>120</b>	0.00	0.00	3.06
<b>125</b>	0.00	0.00	2.93
<b>130</b>	0.00	0.00	2.72
<b>135</b>	0.00	0.00	2.60
<b>140</b>	0.00	0.00	2.47
<b>145</b>	0.00	0.00	2.52
<b>150</b>	0.00	0.00	2.52
<b>155</b>	0.00	0.00	2.47
<b>160</b>	0.00	0.00	2.47
<b>165</b>	0.00	0.00	2.47
<b>170</b>	0.00	0.00	2.39
<b>175</b>	0.00	0.00	2.35
<b>180</b>	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L101915301.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	33.82	N.A.	1.20
0-30	127.11	N.A.	4.60
0-40	295.64	N.A.	10.80
0-60	773.72	N.A.	28.20
0-80	1196.62	N.A.	43.60
0-90	1371.55	N.A.	50.00
10-90	1368.4	N.A.	49.90
20-40	261.82	N.A.	9.50
20-50	489.59	N.A.	17.80
40-70	707.03	N.A.	25.80
60-80	422.89	N.A.	15.40
70-80	193.95	N.A.	7.10
80-90	174.93	N.A.	6.40
90-110	368.88	N.A.	13.40
90-120	597.83	N.A.	21.80
90-130	848.14	N.A.	30.90
90-150	1244.42	N.A.	45.40
90-180	1371.51	N.A.	50.00
110-180	1002.63	N.A.	36.60
0-180	2743.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	3.15
10-20	30.67
20-30	93.29
30-40	168.53
40-50	227.77
50-60	250.32
60-70	228.95
70-80	193.95
80-90	174.93
90-100	174.93
100-110	193.95
110-120	228.95
120-130	250.31
130-140	227.76
140-150	168.53
150-160	93.29
160-170	30.67
170-180	3.12



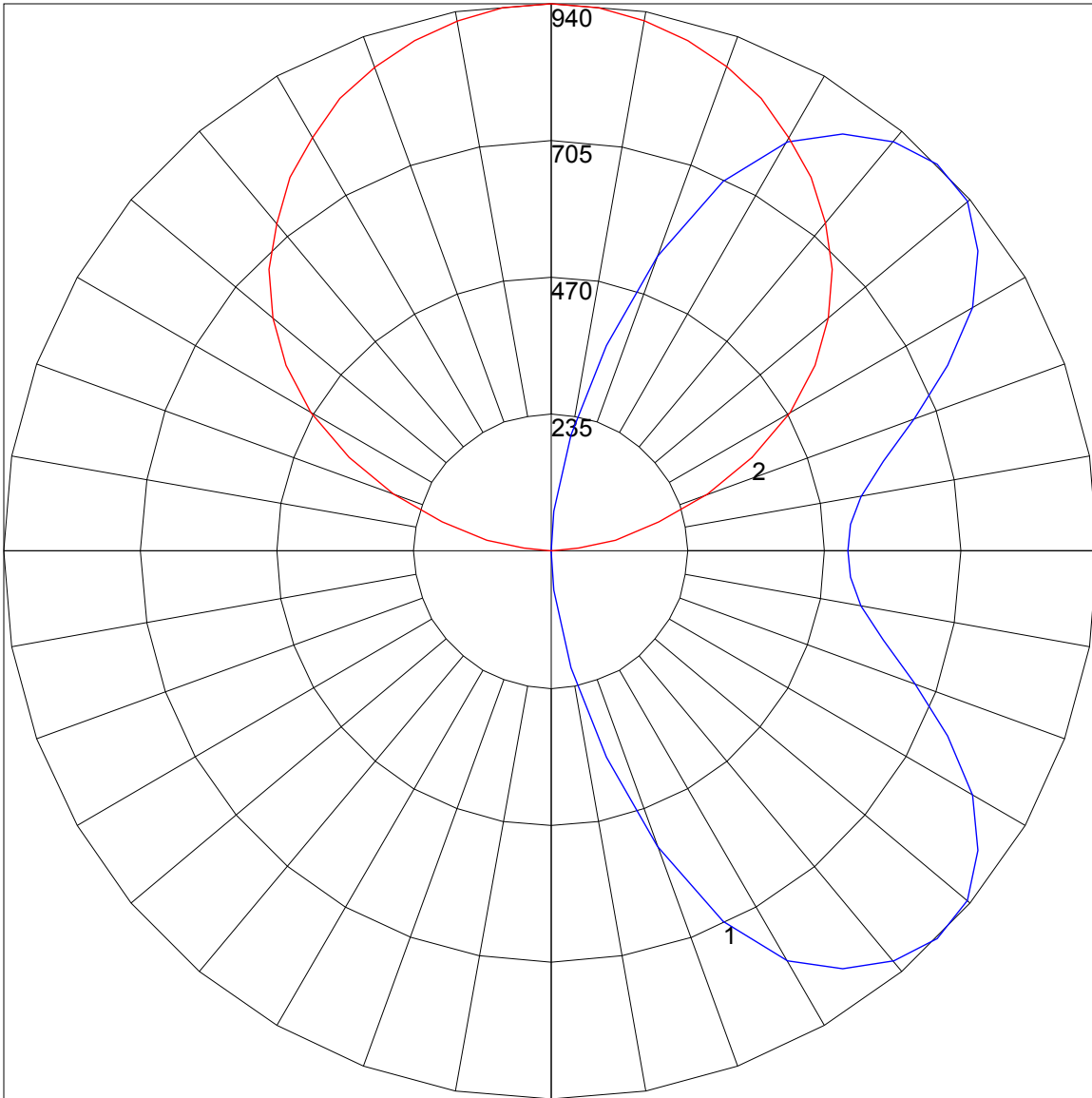
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L101915301.IES**

**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	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	94	89	84	79	87	82	77	73	68	65	62	56	53	51	44	43	41	35
2	85	75	68	61	77	69	63	57	58	52	48	47	43	40	37	34	32	27
3	76	65	56	49	69	59	52	46	49	43	38	40	35	32	31	28	25	21
4	69	56	47	40	63	52	44	37	43	36	31	35	30	26	27	23	20	16
5	63	49	40	33	57	45	37	31	38	31	26	30	25	21	24	20	17	13
6	57	44	35	28	52	40	32	26	33	27	22	27	22	18	21	17	14	11
7	53	39	30	24	48	36	28	22	30	23	19	24	19	15	19	15	12	9
8	49	35	27	21	44	32	25	19	27	21	16	22	17	13	17	13	10	8
9	45	32	23	18	41	29	22	17	24	18	14	20	15	11	15	12	9	6
10	42	29	21	16	38	26	19	15	22	16	12	18	13	10	14	10	8	6

POLAR GRAPH



Maximum Candela = 940.17 Located At Horizontal Angle = 90, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)