



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES INDOOR REPORT

PHOTOMETRIC FILENAME : L101915301R01.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L101915301R01

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUEDATE] 11/5/2019

[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	2747
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	29.27
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.16 ft
Luminous Height	0.00 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

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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>
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
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	23.72	24.44	25.78	28.12	31.90	37.60	46.19	55.07	62.16	66.60
100	62.20	63.87	67.77	74.44	84.29	99.21	120.67	143.59	163.00	177.16
105	106.29	108.59	114.84	125.40	142.25	167.73	203.90	242.50	277.63	305.41
110	152.39	155.20	163.12	176.95	199.00	232.44	280.27	335.09	388.19	433.50
115	197.83	200.80	209.14	225.91	252.60	292.42	348.62	412.67	473.98	528.76
120	242.17	244.93	253.11	271.97	301.39	343.80	403.87	472.01	539.58	598.97
125	283.49	285.46	294.14	313.63	343.81	386.05	445.36	512.92	582.20	645.66
130	319.79	321.80	331.52	350.30	379.81	420.67	475.32	538.49	605.71	670.05
135	350.72	353.65	364.22	381.78	410.11	447.62	496.95	553.11	614.89	677.01
140	378.55	381.74	392.93	409.69	435.09	467.70	511.24	559.82	612.63	669.59
145	404.79	407.43	417.40	433.37	454.12	482.62	517.87	559.32	603.95	650.56
150	429.10	431.40	439.49	451.81	468.91	491.50	520.34	551.56	587.48	625.50
155	451.98	453.49	459.52	468.74	481.11	496.28	516.82	541.71	566.32	593.64
160	472.60	473.23	477.17	483.83	491.54	501.35	513.93	527.34	543.98	562.29
165	489.53	489.66	491.67	495.44	500.18	505.63	512.04	519.33	527.51	535.97
170	501.77	501.90	502.15	503.70	505.75	508.35	511.37	514.47	517.70	520.93
175	508.90	508.90	508.98	508.94	508.98	509.40	510.03	510.87	511.66	512.50
180	511.00	511.00	511.00	511.00	511.00	511.00	511.00	511.00	511.00	511.00

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>
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	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
15	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
25	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
35	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
45	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
55	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

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CANDELA TABULATION - (Cont.)

65	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
75	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
85	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
95	68.53	69.62	70.41	70.29	69.53	68.48	68.07	67.98	67.90
100	187.18	194.98	199.92	201.81	201.56	201.05	201.47	202.14	202.44
105	327.33	342.63	352.73	357.76	359.86	361.45	363.80	365.43	365.81
110	467.45	492.05	508.64	519.12	525.75	530.65	535.18	538.28	539.16
115	573.82	610.11	639.58	661.33	676.04	685.97	693.73	698.59	700.27
120	648.42	687.61	719.71	747.17	770.22	788.32	801.02	808.94	811.59
125	699.47	743.23	778.01	807.02	831.16	850.19	863.35	871.52	874.12
130	727.89	775.83	815.61	847.67	872.86	892.35	906.22	914.73	917.46
135	733.08	785.18	828.60	863.93	892.10	913.26	928.18	937.32	940.17
140	722.15	771.18	814.98	852.03	882.79	905.55	921.48	931.03	934.22
145	696.91	742.30	782.16	816.24	845.03	867.50	883.76	893.40	896.67
150	661.79	697.33	731.70	762.21	789.50	809.74	824.41	833.21	835.98
155	620.84	647.92	673.07	695.07	715.19	730.90	742.64	750.02	752.57
160	579.56	596.79	613.59	628.47	642.05	652.57	660.53	665.31	666.99
165	544.14	553.11	562.33	570.59	577.93	583.75	587.98	590.54	591.46
170	524.19	527.46	530.57	533.58	536.22	538.32	539.79	540.79	541.25
175	513.13	513.88	514.72	515.39	515.94	516.31	516.69	516.82	516.94
180	511.00	511.00	511.00	511.00	511.00	511.00	511.00	511.00	511.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	349.86	N.A.	12.70
90-120	818.01	N.A.	29.80
90-130	1353.94	N.A.	49.30
90-150	2266.52	N.A.	82.50
90-180	2746.69	N.A.	100.00
110-180	2396.83	N.A.	87.30
0-180	2746.69	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	70.60
100-110	279.25
110-120	468.15
120-130	535.93
130-140	505.51
140-150	407.06
150-160	277.14
160-170	153.82
170-180	49.21

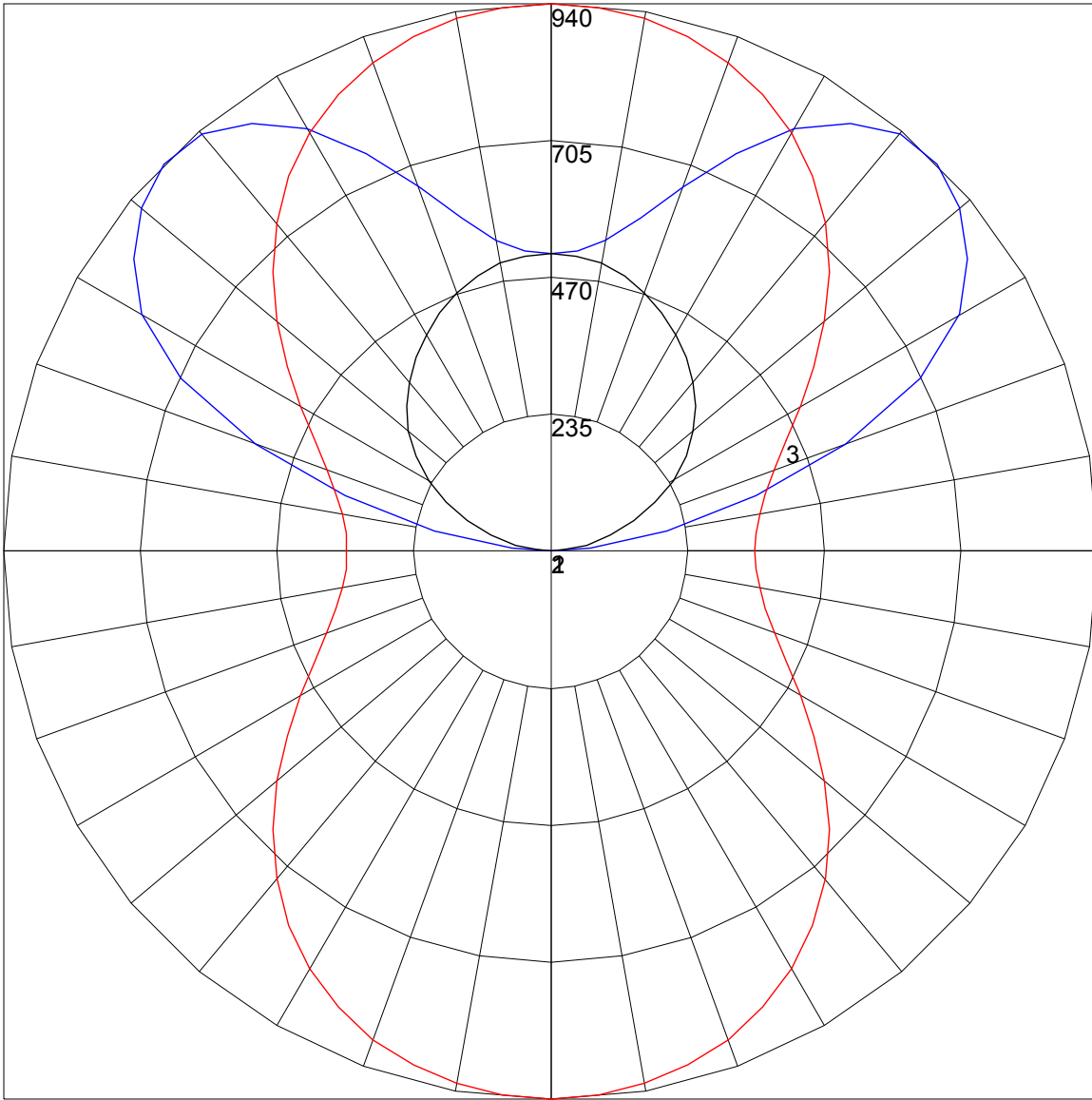
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 940.17 Located At Horizontal Angle = 90, Vertical Angle = 135

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (0 - 180)

3 - Horizontal Cone Through Vertical Angle (135) (Through Max. Cd.)