



REAL81(BSS255)-4-35-INDIRECT

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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L111705101.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L11705101
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 11/21/2017
[MANUFAC] Bartco Lighting
[LUMCAT] BSS255-4-35-INDIRECT
[LUMINAIRE] LED Architectural Direct/indirect Rectangular Fixture
[BALLASTCAT] PHILIPS ADVANCE XI040C110V054BST1
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[TEST CONDITION] FIXTURE IS TESTED WITH INDIRECT SIDE TURNED ON ONLY.
[INPUT] 120VAC, 26.91W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2257
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	26.91
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 w/Sides
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	3.50 ft
Luminous Height	0.38 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	35.54	32.70	32.82	32.91	32.46	32.31	32.16	32.49	33.25	33.90
100	77.47	71.40	72.10	71.80	71.42	71.17	71.91	72.96	73.54	76.06
105	124.97	119.11	116.60	117.75	117.22	116.38	116.19	117.00	119.06	121.07
110	178.78	178.57	170.69	167.38	168.21	169.05	168.95	170.74	172.65	175.30
115	238.90	239.08	237.36	231.84	229.14	228.48	230.22	232.15	234.93	238.27
120	304.58	304.26	304.35	303.09	301.23	299.80	300.03	302.75	304.33	304.88
125	372.50	372.13	372.77	373.42	373.26	373.67	374.08	374.58	375.33	376.19
130	445.66	445.31	445.23	445.55	445.83	445.90	446.44	447.06	447.53	447.63
135	519.98	519.96	519.63	519.68	520.07	520.24	520.17	521.27	521.05	522.14
140	593.55	592.97	592.41	592.37	593.06	593.84	593.42	594.20	595.00	595.55
145	664.46	663.59	663.23	663.69	663.37	664.00	664.97	664.18	665.14	665.54
150	730.31	729.13	729.52	728.90	729.18	729.75	730.69	730.34	730.86	731.04
155	789.35	787.99	788.68	787.75	788.13	788.31	788.74	791.05	789.52	789.14
160	839.67	838.05	838.38	838.86	837.78	837.99	838.83	838.53	839.56	839.77
165	879.86	878.53	878.26	878.50	878.92	877.84	877.50	877.90	879.03	879.29
170	909.17	908.24	907.75	907.46	907.46	907.74	908.29	907.33	906.80	906.63
175	926.94	926.45	925.99	925.68	925.36	925.10	924.90	924.76	924.67	924.65
180	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00

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>
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	34.27	35.52	37.45	37.11	36.87	36.59	35.65	34.84	30.81
100	76.79	77.64	81.17	81.29	82.95	84.31	83.67	81.54	79.55
105	123.68	125.91	127.04	127.25	127.42	126.95	126.10	124.05	120.99
110	177.97	180.17	181.49	182.38	182.58	180.88	179.70	177.39	175.46
115	240.94	241.82	242.03	242.30	241.87	240.49	238.66	235.95	234.33
120	305.88	307.61	306.11	303.70	303.64	304.70	304.36	301.68	300.43
125	374.55	374.59	375.55	372.19	369.62	371.37	373.29	371.32	369.76
130	447.94	448.45	448.45	448.30	448.72	447.36	445.67	443.78	441.76
135	521.28	521.55	521.91	521.70	521.93	521.60	519.79	519.04	519.98
140	595.64	595.68	595.58	595.45	594.73	594.84	593.60	593.02	593.55
145	666.04	667.72	666.88	666.82	666.86	666.39	665.55	664.14	664.38
150	731.15	731.81	732.25	731.69	732.93	731.55	732.15	729.72	730.64
155	790.51	790.12	789.44	790.50	789.82	790.22	790.40	788.67	789.43
160	839.38	839.13	839.92	839.11	839.44	841.03	840.29	840.36	842.08
165	878.96	878.13	878.05	878.71	880.20	879.56	879.48	879.87	881.19
170	906.81	907.35	908.18	907.67	907.43	907.47	907.79	908.32	909.25
175	924.69	924.78	924.94	925.15	925.42	925.74	926.08	926.54	927.02
180	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00	933.00

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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	170.35	N.A.	7.50
90-120	406.14	N.A.	18.00
90-130	740.87	N.A.	32.80
90-150	1558.42	N.A.	69.00
90-180	2256.97	N.A.	100.00
110-180	2086.62	N.A.	92.50
0-180	2256.97	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	39.52
100-110	130.83
110-120	235.79
120-130	334.73
130-140	401.89
140-150	415.66
150-160	363.18
160-170	247.57
170-180	87.79

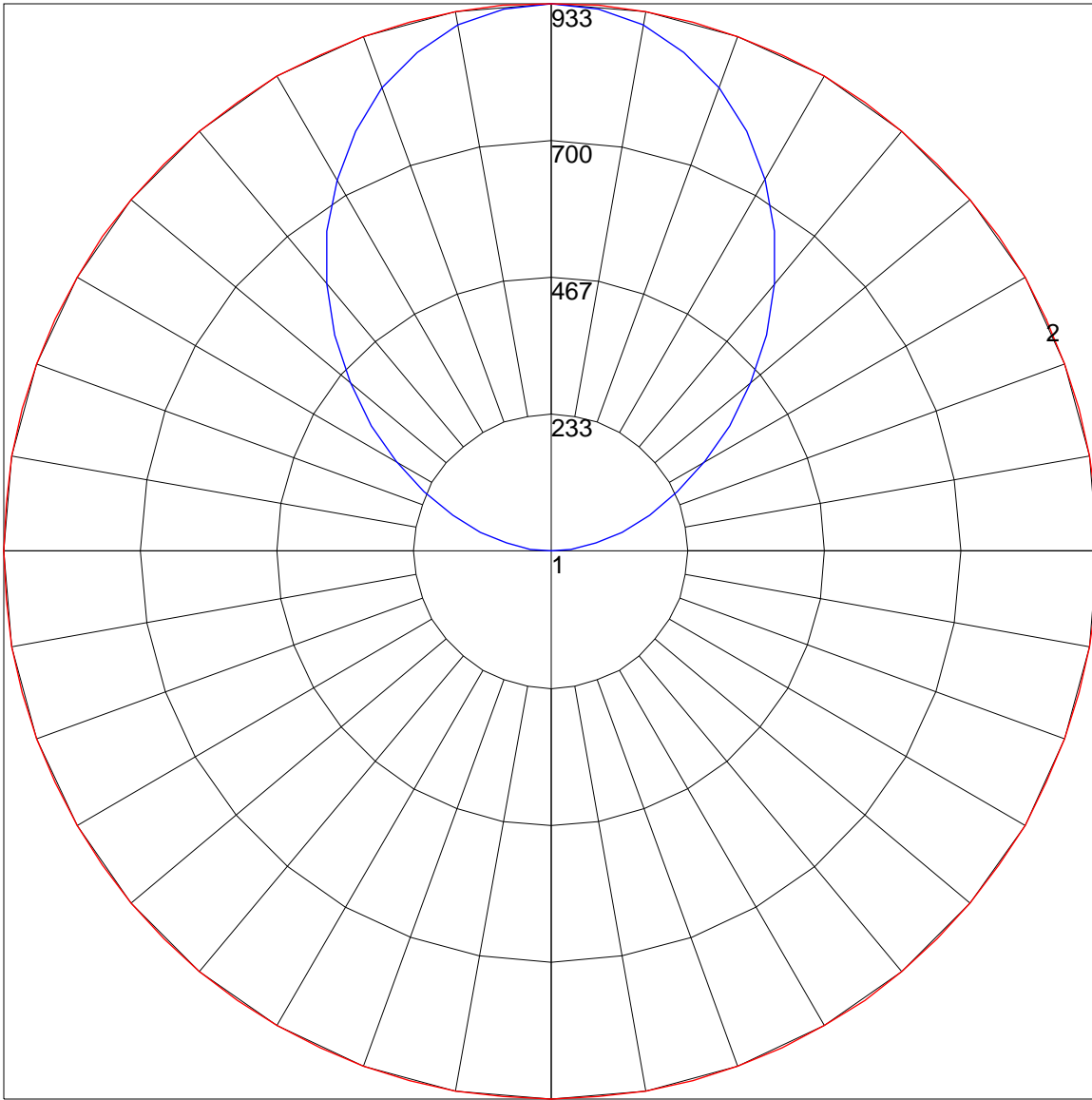
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	28	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 = 933 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)