



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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091707001.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L091707001
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 10/2/2017
[MANUFAC] Bartco Lighting
[LUMCAT] BSS205
[LUMINAIRE] Linear LED Fixture
[BALLASTCAT] PHILIPS ADVANCE XI040C110V054BST1
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC, 29.12W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	29.12
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.15 ft
Luminous Width (90-270)	3.67 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10438	10455	12034
55	9487	9197	10271
65	8467	8109	8595
75	7396	7162	7071
85	6547	6520	5587

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	866.70	866.70	866.70	866.70	866.70	866.70	866.70	866.70	866.70	866.70
5	867.65	867.57	867.53	867.36	867.07	866.82	866.32	865.91	865.33	864.74
10	857.52	857.48	857.27	857.02	856.77	856.32	855.61	854.90	853.99	853.12
15	833.19	833.07	832.94	832.69	832.28	831.78	831.03	830.16	829.08	827.88
20	797.73	797.57	797.40	796.99	796.41	795.70	794.79	793.62	792.25	790.84
25	755.47	755.39	754.93	754.26	753.27	752.06	750.61	748.87	747.00	744.80
30	710.63	710.38	709.59	708.34	706.64	704.44	702.03	699.21	696.14	692.94
35	665.95	665.62	664.34	662.22	659.39	655.99	652.17	647.77	642.95	638.22
40	622.36	621.74	619.74	616.84	612.81	607.79	602.22	595.79	589.10	582.17
45	579.35	578.52	576.15	572.33	567.02	560.58	553.02	544.85	536.09	526.99
50	535.92	535.01	532.22	527.82	521.55	514.00	505.49	495.36	484.69	473.52
55	490.75	489.79	486.93	482.24	475.59	467.33	457.62	446.28	434.03	421.41
60	442.67	441.88	439.18	434.45	427.93	419.67	409.70	397.87	384.75	371.17
65	392.68	391.85	389.40	385.21	379.19	371.30	361.75	350.00	337.00	323.10
70	342.11	341.45	339.33	335.93	330.61	323.55	314.67	303.67	290.88	277.09
75	293.04	292.41	290.88	287.89	283.49	277.22	269.29	259.12	247.16	233.91
80	248.86	248.40	247.03	244.63	240.81	235.45	228.43	219.26	208.13	195.63
85	207.26	206.93	205.77	203.69	200.49	195.84	189.61	181.31	171.18	159.60
90	170.23	169.98	168.86	167.03	164.04	159.85	154.12	146.64	137.47	126.76
95	153.12	152.75	151.92	150.34	147.76	144.15	139.17	132.65	124.64	115.21
100	140.91	140.58	139.75	138.30	135.93	132.65	128.13	122.23	115.05	106.50
105	130.78	130.62	129.70	128.25	125.97	122.77	118.54	113.10	106.45	98.69
110	122.06	121.82	120.98	119.45	117.21	114.09	110.02	104.88	98.65	91.42
115	114.09	113.76	112.85	111.31	109.03	105.96	102.09	97.19	91.34	84.57
120	106.04	105.79	104.88	103.42	101.14	98.19	94.37	89.68	84.20	77.97
125	98.15	97.78	96.90	95.41	93.21	90.34	86.73	82.33	77.10	71.20
130	89.76	89.51	88.56	87.19	85.03	82.33	78.93	74.82	69.92	64.60
135	81.21	80.88	80.01	78.64	76.68	74.11	71.00	67.22	62.65	56.71
140	72.24	71.95	71.20	69.88	68.05	65.77	62.90	58.50	53.35	48.29
145	63.03	62.78	62.07	60.95	59.33	57.25	53.27	48.91	44.67	40.52
150	53.73	53.52	52.94	51.90	50.49	47.00	43.47	40.07	36.74	33.84
155	44.43	44.22	43.76	42.89	40.07	37.12	34.54	32.01	30.14	28.19
160	35.13	34.96	34.59	32.55	30.18	28.23	26.74	25.78	24.41	22.34
165	26.32	26.20	24.95	23.00	21.63	20.84	20.22	19.31	17.73	16.40
170	17.52	17.23	15.11	14.03	13.66	13.49	13.16	12.58	11.96	11.21
175	8.80	7.56	7.47	7.72	7.89	7.85	7.76	7.47	7.14	6.81
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>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	866.70	866.70	866.70	866.70	866.70	866.70	866.70	866.70	866.70
5	864.08	863.42	862.75	862.13	861.63	861.22	860.88	860.76	860.84
10	851.83	850.55	849.13	847.47	845.77	844.28	842.82	842.16	842.08
15	826.34	824.72	822.77	820.61	818.16	815.42	812.76	810.65	810.36
20	788.93	786.86	784.45	781.87	778.80	775.23	771.33	768.05	767.09
25	742.31	739.65	736.66	733.26	729.35	725.12	720.34	715.57	713.87
30	689.41	685.68	681.69	677.33	672.64	667.45	661.64	655.45	652.83
35	632.86	627.67	622.19	616.42	610.44	603.80	596.95	589.56	585.82
40	574.99	567.76	560.50	552.90	545.26	537.12	528.94	520.60	515.41
45	517.57	508.14	499.05	489.46	479.99	470.36	460.81	451.26	445.08
50	461.81	450.31	439.10	427.60	416.30	405.01	394.05	383.51	376.07
55	407.96	394.63	381.51	368.27	355.65	342.82	330.90	319.44	310.97
60	356.56	341.86	327.62	312.88	298.77	284.86	271.90	259.49	250.11

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091707001.IES

CANDELA TABULATION - (Cont.)

65	307.78	292.25	276.68	261.19	246.20	231.67	217.85	205.02	194.64
70	261.94	245.96	229.97	213.78	198.42	183.39	169.27	156.19	145.15
75	219.22	203.36	187.12	171.18	155.78	140.58	126.22	112.85	101.31
80	181.27	166.16	150.63	134.35	118.87	103.22	89.10	75.73	63.77
85	146.27	131.66	116.71	100.97	85.49	70.29	56.17	43.10	31.14
90	114.13	100.52	86.07	70.71	56.05	41.27	27.44	14.53	2.41
95	103.96	91.59	78.72	64.69	51.15	37.45	24.50	12.29	1.00
100	96.41	85.32	73.36	60.58	48.04	35.25	23.13	11.58	1.41
105	89.43	79.30	68.34	56.55	45.01	33.13	21.76	10.92	1.41
110	82.91	73.57	63.52	52.60	41.93	31.01	20.39	10.17	1.50
115	76.68	68.05	58.83	48.83	38.99	28.81	18.97	9.30	1.66
120	70.58	62.57	54.18	45.01	36.00	26.70	17.56	8.43	1.74
125	64.52	57.21	49.61	41.27	32.92	24.00	15.86	7.10	1.99
130	58.42	51.15	43.89	36.25	28.77	21.22	13.62	6.10	2.24
135	50.40	44.13	37.87	31.39	24.99	18.52	11.92	5.36	2.49
140	43.06	37.78	32.51	26.78	21.55	15.78	10.05	4.82	2.74
145	36.20	32.09	27.36	22.92	18.23	13.37	8.55	4.53	2.91
150	30.64	27.03	23.00	19.02	15.11	11.09	7.39	4.28	3.24
155	25.37	22.21	18.93	15.86	12.62	9.55	6.56	4.32	3.49
160	19.89	17.60	15.28	12.75	10.42	8.14	5.73	4.40	3.74
165	14.78	13.20	11.58	10.05	8.35	6.56	5.15	4.36	3.90
170	10.38	9.51	8.51	7.43	6.31	5.40	4.78	4.32	3.99
175	6.39	6.02	5.61	5.27	4.98	4.73	4.44	4.24	4.15
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091707001.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	314.44	N.A.	10.70
0-30	655.72	N.A.	22.30
0-40	1052.81	N.A.	35.80
0-60	1828.28	N.A.	62.20
0-80	2371.92	N.A.	80.60
0-90	2529.5	N.A.	86.00
10-90	2447.43	N.A.	83.20
20-40	738.37	N.A.	25.10
20-50	1142.27	N.A.	38.80
40-70	1085.56	N.A.	36.90
60-80	543.65	N.A.	18.50
70-80	233.55	N.A.	7.90
80-90	157.58	N.A.	5.40
90-110	200.95	N.A.	6.80
90-120	274.63	N.A.	9.30
90-130	331.13	N.A.	11.30
90-150	394.64	N.A.	13.40
90-180	412.16	N.A.	14.00
110-180	211.20	N.A.	7.20
0-180	2941.66	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.08
10-20	232.36
20-30	341.28
30-40	397.09
40-50	403.90
50-60	371.56
60-70	310.09
70-80	233.55
80-90	157.58
90-100	109.97
100-110	90.98
110-120	73.67
120-130	56.50
130-140	39.42
140-150	24.10
150-160	12.30
160-170	4.54
170-180	0.68

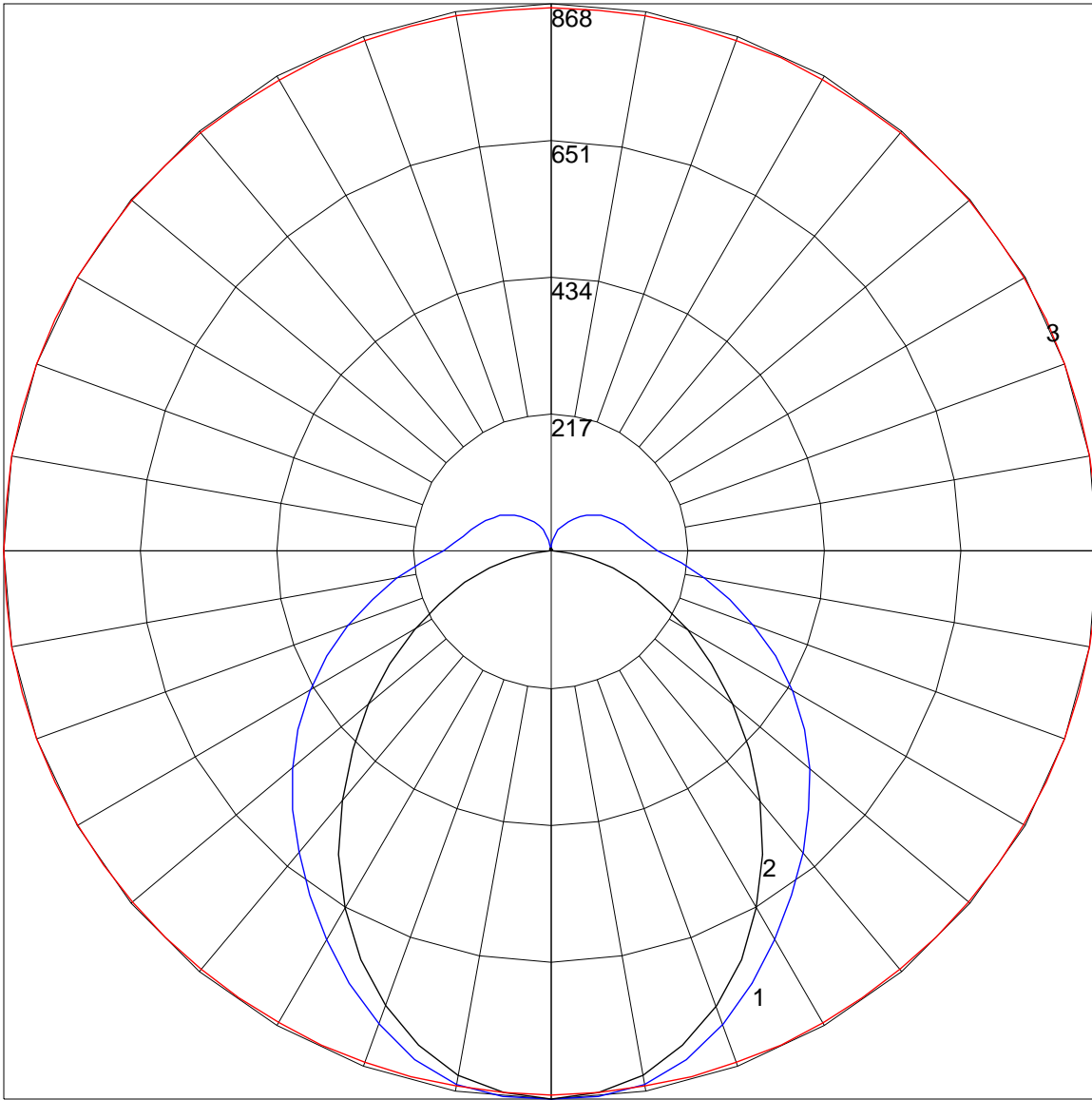
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091707001.IES

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	116	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	104	98	94	89	89	100	95	90	86	88	84	81	82	79	76	76	74	71	68
2	94	85	78	72	72	90	82	75	70	76	71	66	71	66	62	66	62	59	56
3	85	74	66	59	59	82	72	64	58	67	60	55	62	57	52	58	53	50	47
4	78	66	57	50	50	75	64	55	49	59	52	47	55	49	45	52	47	42	40
5	72	59	50	43	43	69	57	48	42	53	46	40	50	43	39	46	41	37	34
6	66	53	44	37	37	63	51	43	37	48	41	35	45	39	34	42	37	32	30
7	61	48	39	33	33	59	46	38	32	44	36	31	41	35	30	38	33	29	27
8	57	44	35	29	29	55	42	34	29	40	33	28	38	31	27	35	30	26	24
9	53	40	32	26	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	24	24	48	36	28	23	34	27	23	32	26	22	30	25	21	19

POLAR GRAPH



Maximum Candela = 867.65 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)