



8165 E. Kaiser Blvd. Anaheim, CA 92808
 p. 714.282.2270
 f. 714.676.5558

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L111501801.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L111501801
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 11/11/2015
 [MANUFAC] BARTCO LIGHTING INC
 [LUMCAT] BSS840-4-35-SM-SA-SI
 [LUMINAIRE] LED RECTANGULAR SURFACE MOUNT FIXTURE
 [MORE] SIZE: 1.25"L. X 45.25"W. X 1"H.
 [BALLASTCAT] PHILIPS ADVANCE XI040C110V054BPT1
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 120VAC, 28.11W
 [_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2192
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	28.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.12
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	3.75 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23674	24637	25448
55	20561	21561	22061
65	18321	19084	18830
75	17866	18005	15927
85	27145	24266	13984

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	955	955	955	955	955	955	955	955	955	955
5	948	948	948	948	948	948	948	948	948	948
10	925	925	925	925	925	925	926	926	926	927
15	886	886	886	887	887	888	889	889	890	891
20	834	834	835	835	836	838	839	840	841	843
25	771	771	771	772	774	775	777	779	781	783
30	698	698	699	700	702	704	706	709	712	714
35	621	621	622	623	625	628	631	634	637	640
40	542	543	544	545	547	550	553	556	559	563
45	467	467	468	470	472	474	477	480	483	486
50	395	396	397	398	400	402	405	408	410	413
55	329	330	330	332	334	336	338	340	343	345
60	269	269	270	271	273	275	277	279	280	282
65	216	216	216	217	219	220	222	223	224	225
70	169	169	170	170	171	172	173	174	174	174
75	129	129	129	129	130	130	131	131	131	130
80	95	95	95	95	95	95	94	94	93	92
85	66	66	65	65	65	64	63	62	60	59
90	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

	50	55	60	65	70	75	80	85	90
0	955	955	955	955	955	955	955	955	955
5	948	949	949	949	949	949	949	949	949
10	927	928	928	928	928	929	929	929	929
15	892	893	893	894	895	895	895	896	896
20	844	845	847	848	849	850	850	850	851
25	785	787	789	790	791	792	793	794	794
30	717	719	721	723	725	726	727	728	728
35	643	646	648	651	652	654	655	656	656
40	566	569	572	574	576	577	578	579	579
45	489	492	495	497	499	500	501	501	502
50	415	417	420	422	423	424	425	425	425
55	346	347	349	350	351	352	352	352	353
60	283	283	284	284	284	284	284	284	284
65	225	225	225	224	223	222	222	222	222
70	174	173	172	170	168	166	166	165	165
75	129	127	126	123	121	118	116	115	115
80	90	88	86	83	80	77	74	72	71
85	56	54	51	48	45	41	38	35	34
90	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	340.53	N.A.	15.50
0-30	700.32	N.A.	31.90
0-40	1099.86	N.A.	50.20
0-60	1782.7	N.A.	81.30
0-80	2138.35	N.A.	97.50
0-90	2192.13	N.A.	100.00
10-90	2102.29	N.A.	95.90
20-40	759.33	N.A.	34.60
20-50	1134.44	N.A.	51.80
40-70	903.81	N.A.	41.20
60-80	355.65	N.A.	16.20
70-80	134.67	N.A.	6.10
80-90	53.78	N.A.	2.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2192.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.84
10-20	250.70
20-30	359.78
30-40	399.54
40-50	375.12
50-60	307.72
60-70	220.98
70-80	134.67
80-90	53.78
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

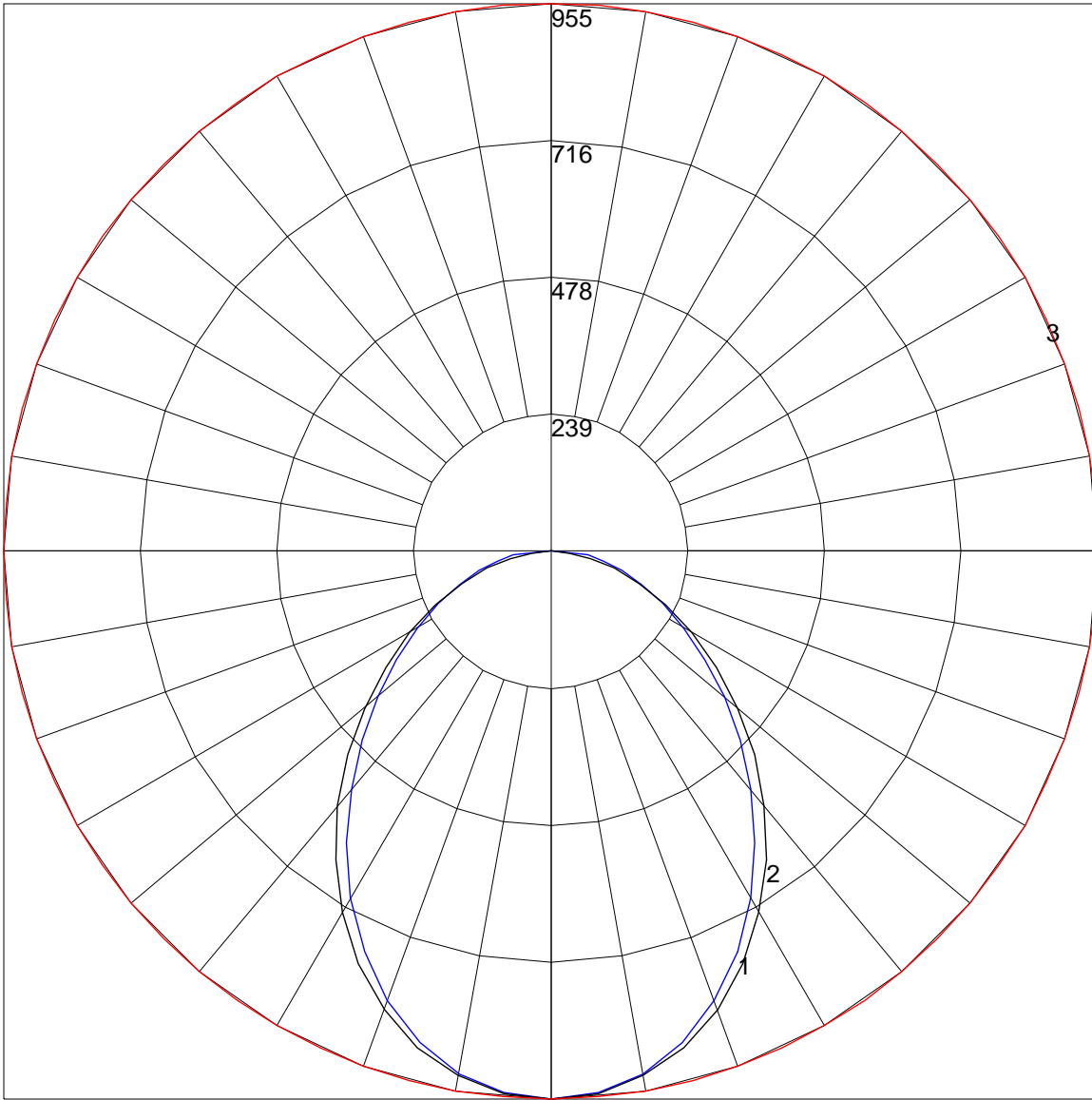
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 955 Located At Horizontal Angle = 0, Vertical Angle = 0
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 (0) (Through Max. Cd.)