



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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091405701.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L091405701
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 9/23/2014
[MANUFAC] BARTCO LIGHTING
[LUMCAT] BC7574
[LUMINAIRE] 3-1/2"DIA. X 45-1/4"W. LED DOWNLIGHT
[MORE] DIFFUSED LENS
[BALLASTCAT] PHILIPS ADVANCE XI054C150V054DNT1
[BALLAST] INPUT: 120-277VAC, 0.54-0.23A, 50/60HZ. OUTPUT: 27-54VDC, 0.7-1.5A
[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, 48.62W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4131
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	48.62
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.27 ft
Luminous Width (90-270)	3.75 ft
Luminous Height	0.11 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091405701.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10139	10030	11309
55	8733	8545	9811
65	7256	7106	8323
75	5910	5834	6843
85	4998	4923	5111

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091405701.IES

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	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422
5	1414	1414	1414	1414	1414	1414	1414	1414	1413	1413
10	1396	1396	1395	1395	1395	1394	1393	1392	1391	1390
15	1365	1365	1364	1363	1362	1361	1359	1356	1354	1352
20	1323	1322	1321	1320	1317	1314	1311	1307	1303	1299
25	1269	1269	1267	1265	1261	1257	1252	1246	1240	1233
30	1205	1204	1202	1199	1194	1188	1182	1174	1165	1156
35	1130	1129	1127	1123	1117	1110	1101	1091	1081	1069
40	1045	1044	1042	1037	1030	1022	1013	1001	988	974
45	950	949	946	942	935	926	916	903	889	874
50	850	849	846	841	834	825	814	801	786	770
55	746	746	743	738	732	722	711	697	681	665
60	642	642	639	635	629	621	610	597	581	564
65	541	540	539	535	530	522	513	501	486	470
70	447	447	445	442	438	431	423	412	398	383
75	363	363	361	359	355	350	342	332	320	306
80	291	291	290	288	284	279	273	264	252	239
85	232	231	230	228	225	221	214	206	195	183
90	182	182	181	179	176	171	165	158	148	137
95	142	141	140	138	135	131	126	118	109	99
100	109	109	108	106	103	99	94	87	79	70
105	83	83	81	80	77	73	68	62	55	48
110	62	61	60	58	56	52	48	43	37	31
115	44	44	43	41	39	36	33	28	24	19
120	30	30	29	28	26	23	21	17	14	10
125	19	19	18	17	16	14	12	11	9	8
130	12	12	12	11	11	10	9	8	7	6
135	9	9	9	8	8	7	7	6	6	5
140	7	7	7	7	6	6	6	5	5	0
145	6	6	6	6	5	5	5	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
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	1422	1422	1422	1422	1422	1422	1422	1422	1422
5	1413	1413	1413	1412	1412	1412	1412	1412	1412
10	1389	1388	1387	1386	1385	1385	1384	1384	1384
15	1349	1347	1345	1343	1341	1340	1339	1338	1338
20	1295	1291	1287	1283	1280	1277	1275	1274	1274
25	1227	1220	1214	1209	1204	1200	1197	1195	1195
30	1147	1138	1130	1122	1115	1109	1105	1102	1101
35	1057	1046	1035	1024	1016	1008	1003	1000	999
40	960	946	933	920	909	900	893	889	888
45	857	841	826	811	799	788	781	776	775
50	753	735	718	702	688	677	669	664	662
55	647	629	612	595	581	568	559	554	552
60	545	527	510	493	478	465	456	450	449

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091405701.IES**

CANDELA TABULATION - (Cont.)

65	451	432	414	397	382	369	359	354	352
70	365	347	328	309	294	281	271	266	264
75	289	271	252	233	216	202	192	187	185
80	223	205	187	169	151	135	123	118	116
85	169	152	135	117	99	82	68	58	56
90	123	109	93	76	60	44	28	14	2
95	87	74	61	47	33	20	9	2	1
100	60	49	38	26	16	7	3	1	0
105	39	30	22	14	7	3	2	0	0
110	24	17	11	7	4	2	0	0	0
115	14	9	7	4	3	0	0	0	0
120	8	6	5	0	0	0	0	0	0
125	6	5	4	0	0	0	0	0	0
130	5	4	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091405701.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	515.21	N.A.	12.50
0-30	1082.82	N.A.	26.20
0-40	1749.83	N.A.	42.40
0-60	3008.55	N.A.	72.80
0-80	3772.36	N.A.	91.30
0-90	3954.47	N.A.	95.70
10-90	3820.3	N.A.	92.50
20-40	1234.62	N.A.	29.90
20-50	1904.46	N.A.	46.10
40-70	1714.16	N.A.	41.50
60-80	763.81	N.A.	18.50
70-80	308.36	N.A.	7.50
80-90	182.11	N.A.	4.40
90-110	143.41	N.A.	3.50
90-120	164.26	N.A.	4.00
90-130	172.16	N.A.	4.20
90-150	176.44	N.A.	4.30
90-180	176.44	N.A.	4.30
110-180	33.03	N.A.	0.80
0-180	4130.91	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.17
10-20	381.04
20-30	567.61
30-40	667.01
40-50	669.84
50-60	588.88
60-70	455.44
70-80	308.36
80-90	182.11
90-100	95.96
100-110	47.45
110-120	20.85
120-130	7.90
130-140	3.17
140-150	1.11
150-160	0.00
160-170	0.00
170-180	0.00

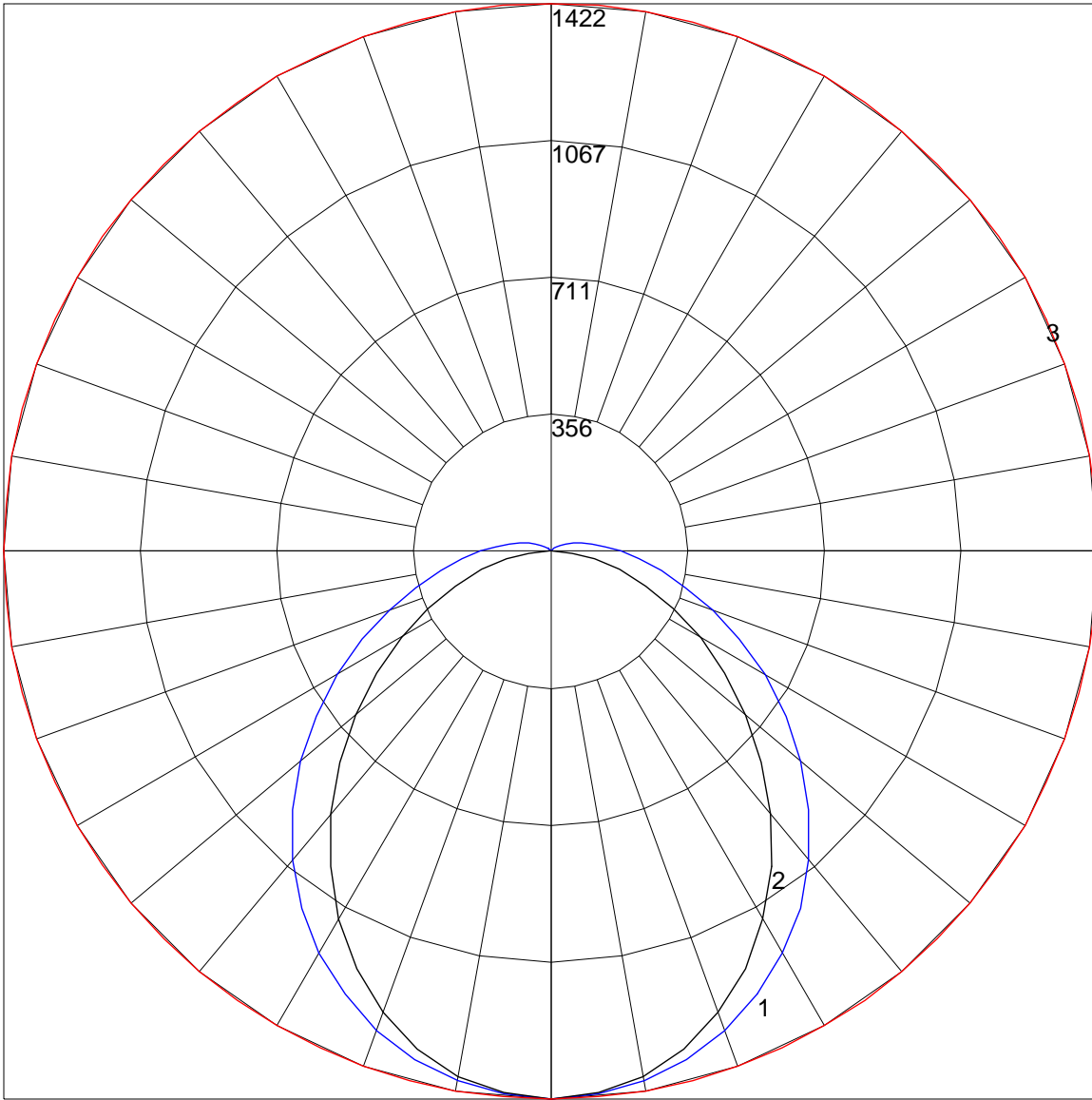
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091405701.IES

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	107	102	97	93	104	99	95	91	94	90	87	89	86	84	85	83	80	78
2	97	88	81	75	94	86	79	74	82	76	72	78	73	69	74	70	67	65
3	88	77	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	59	53	49	47
5	74	61	52	46	72	60	52	45	57	50	44	55	49	43	53	47	43	40
6	69	55	46	40	67	54	46	40	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	44	38	33	31
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	40	34	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	27	37	31	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1422 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.)