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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L061500601.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L061500601
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 6/4/2015
[MANUFAC] BARTCO LIGHTING
[LUMCAT] BC7452
[LUMINAIRE] 44-3/4"L. X 3-1/4"W. X 5-1/2"H. LED LUMINAIRE
[MORE] DIFFUSED LENS
[BALLASTCAT] PHILIPS ADVANCE XI075C200V054BPT1 (TWO DRIVERS)
[BALLAST] INPUT: 120-277VAC, 0.7-0.3A, 50/60Hz. OUTPUT: 0.7-2.0ADC, 27-54VDC
[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, 61.76W
[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6082
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	61.76
Ballast Factor	1.00
CIE Type	General Diffuse
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)	3.71 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.46 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11204	4647	3470
55	9239	3151	2285
65	7564	2083	1509
75	5666	1203	871
85	3797	489	356

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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	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447
5	1435	1434	1433	1432	1433	1433	1434	1434	1433	1432
10	1405	1405	1403	1400	1400	1400	1399	1397	1394	1392
15	1357	1356	1353	1350	1348	1346	1343	1339	1334	1331
20	1291	1290	1286	1281	1278	1274	1269	1263	1256	1250
25	1209	1207	1202	1196	1191	1185	1178	1170	1161	1151
30	1112	1109	1104	1097	1091	1084	1074	1063	1051	1038
35	1004	1001	995	987	980	972	961	947	933	918
40	888	885	878	871	864	855	841	827	811	796
45	768	765	759	752	745	735	722	707	692	677
50	650	647	642	636	629	619	607	593	580	566
55	538	535	531	526	520	511	500	489	477	465
60	446	443	440	436	430	423	414	405	395	385
65	349	347	345	342	338	333	326	318	310	302
70	261	259	258	257	255	251	246	240	235	229
75	185	184	184	185	183	181	177	173	170	166
80	121	121	122	122	121	120	118	116	114	111
85	69	68	69	69	68	67	66	65	63	62
90	0	0	0	0	0	0	0	0	0	0
95	59	61	63	63	63	62	61	60	60	59
100	113	117	113	114	115	114	112	111	109	107
105	175	180	179	173	172	170	168	165	162	160
110	245	250	250	249	239	236	232	228	223	219
115	328	332	332	330	325	313	307	301	294	288
120	419	425	424	420	414	406	392	382	373	365
125	507	513	512	508	499	491	480	467	452	441
130	614	617	617	613	607	596	580	572	553	539
135	726	724	719	714	707	699	694	682	661	647
140	841	845	843	839	829	817	800	786	772	763
145	952	950	944	938	931	923	914	906	898	879
150	1056	1055	1052	1048	1048	1041	1030	1015	1000	988
155	1151	1148	1143	1137	1132	1127	1120	1113	1107	1097
160	1227	1226	1224	1221	1218	1213	1208	1202	1196	1194
165	1291	1290	1288	1286	1285	1283	1281	1277	1273	1268
170	1337	1336	1334	1332	1332	1332	1331	1328	1325	1323
175	1363	1363	1362	1361	1361	1362	1363	1363	1362	1362
180	1374	1374	1374	1374	1374	1374	1374	1374	1374	1374

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	1447	1447	1447	1447	1447	1447	1447	1447	1447
5	1431	1431	1430	1428	1425	1425	1426	1426	1427
10	1390	1388	1386	1382	1379	1378	1378	1378	1379
15	1327	1324	1319	1314	1310	1307	1307	1305	1307
20	1243	1238	1230	1223	1217	1214	1211	1210	1210
25	1141	1133	1122	1113	1105	1100	1096	1094	1094
30	1026	1015	1002	991	982	975	971	968	967
35	904	890	876	864	855	848	842	840	839
40	781	766	752	741	731	724	719	717	715
45	662	648	635	625	616	610	605	602	601
50	552	540	529	519	512	507	503	500	500
55	453	443	434	426	421	417	413	411	410
60	375	366	360	354	349	346	344	342	341

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CANDELA TABULATION - (Cont.)

65	296	290	285	280	277	274	273	272	272
70	225	221	218	215	211	210	209	208	209
75	163	161	159	157	154	153	152	152	153
80	110	108	107	105	104	103	102	102	102
85	62	61	61	60	60	59	58	59	59
90	0	0	0	0	0	0	0	0	0
95	59	59	58	58	57	57	56	56	56
100	106	104	103	101	100	99	98	98	97
105	157	155	153	150	149	147	146	145	145
110	214	211	208	205	203	201	199	199	198
115	282	277	272	268	264	262	259	258	258
120	357	349	343	337	334	330	327	326	325
125	431	422	414	407	402	398	394	392	392
130	525	514	504	495	489	484	480	478	477
135	632	620	605	595	588	582	577	575	574
140	754	732	719	711	700	692	687	683	684
145	861	848	841	831	823	810	804	812	815
150	979	967	955	949	937	929	925	926	928
155	1087	1082	1075	1062	1052	1047	1044	1043	1042
160	1190	1183	1172	1164	1158	1155	1154	1154	1152
165	1262	1259	1254	1249	1245	1243	1244	1242	1243
170	1321	1320	1318	1314	1311	1311	1311	1310	1311
175	1362	1362	1361	1358	1355	1354	1356	1355	1356
180	1374	1374	1374	1374	1374	1374	1374	1374	1374

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	509.35	N.A.	8.40
0-30	1037.8	N.A.	17.10
0-40	1612.26	N.A.	26.50
0-60	2562.72	N.A.	42.10
0-80	3047.81	N.A.	50.10
0-90	3112.85	N.A.	51.20
10-90	2977.5	N.A.	49.00
20-40	1102.9	N.A.	18.10
20-50	1629.1	N.A.	26.80
40-70	1256.00	N.A.	20.70
60-80	485.09	N.A.	8.00
70-80	179.55	N.A.	3.00
80-90	65.04	N.A.	1.10
90-110	232.98	N.A.	3.80
90-120	524.18	N.A.	8.60
90-130	929.57	N.A.	15.30
90-150	1980.9	N.A.	32.60
90-180	2969.29	N.A.	48.80
110-180	2736.31	N.A.	45.00
0-180	6082.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

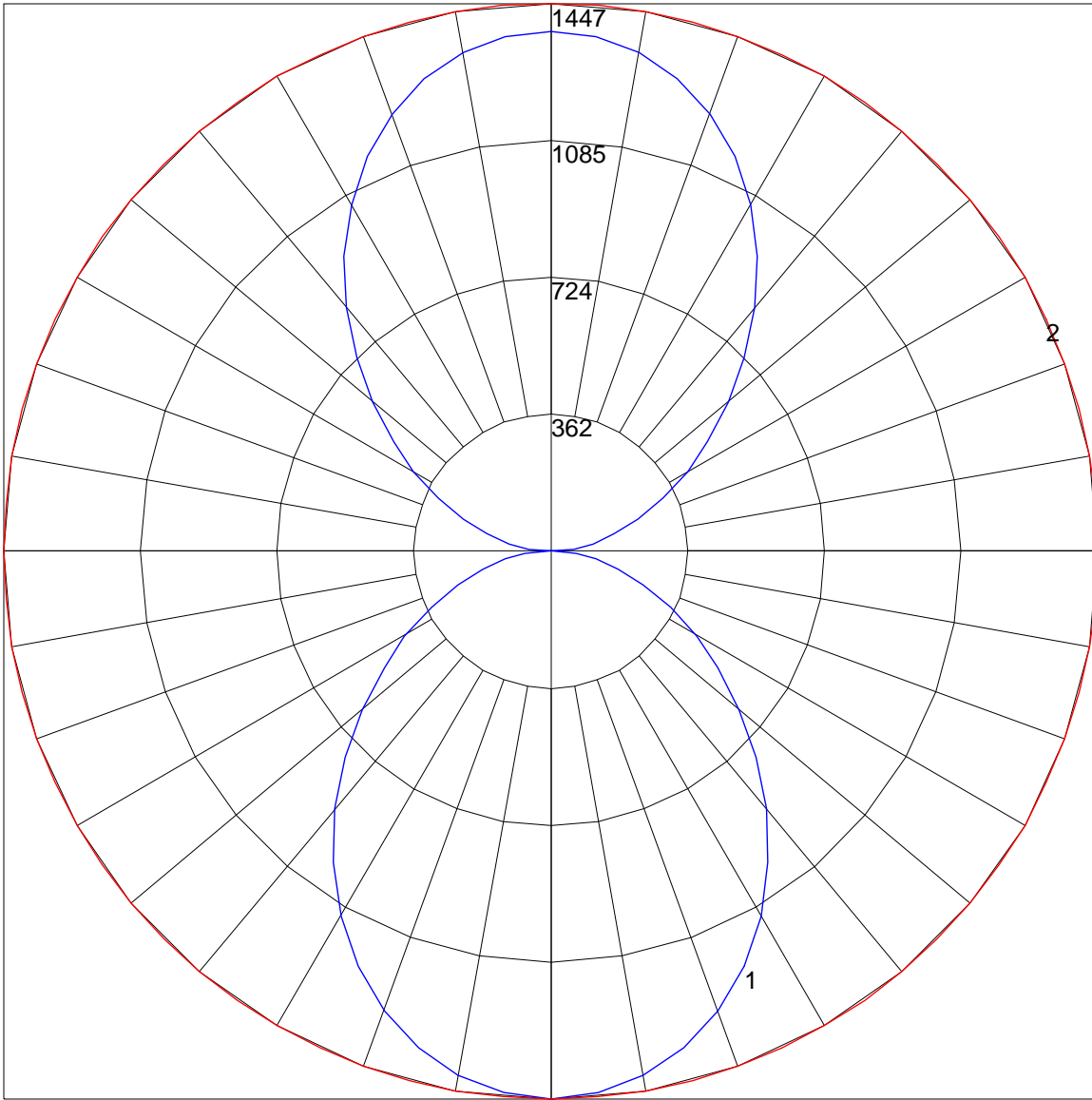
Zone	Lumens
0-10	135.34
10-20	374.01
20-30	528.44
30-40	574.46
40-50	526.20
50-60	424.27
60-70	305.53
70-80	179.55
80-90	65.04
90-100	61.49
100-110	171.49
110-120	291.21
120-130	405.39
130-140	502.46
140-150	548.87
150-160	503.67
160-170	356.05
170-180	128.67

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	90	87	91	87	84	81	74	72	69	62	60	59	51	50	49	43
2	90	82	76	71	83	76	71	67	65	61	58	55	52	49	45	43	41	37
3	82	73	66	60	76	68	61	56	58	53	49	49	45	42	40	38	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	33	31	27
5	69	58	50	44	64	54	47	41	46	41	37	39	35	32	33	30	27	24
6	64	52	44	38	59	49	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	34	55	44	37	32	38	33	29	33	28	25	27	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	25	22	20	17
9	51	39	32	27	47	37	30	26	32	27	23	28	23	20	23	20	18	16
10	48	36	29	24	44	34	27	23	30	24	21	26	21	19	22	19	16	14

POLAR GRAPH



Maximum Candela = 1447 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)