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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091507801.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L091507801
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 9/25/2015
 [MANUFAC] BARTCO LIGHTING
 [LUMCAT] BC7671-435-5W-F-CM-SL
 [LUMINAIRE] 46"L. X 2.5"W. X 2.5"H. LED UPLIGHT PENDANT
 [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, 23.91W
 [_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2509
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	23.91
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
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	0.19 ft
Luminous Height	0.00 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	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0
95	42	42	42	42	42	42	41	40	39	38
100	89	90	90	90	89	89	88	87	86	84
105	144	144	144	143	143	142	141	139	138	136
110	205	206	205	205	204	202	201	199	197	195
115	274	274	274	273	272	270	268	266	263	261
120	350	348	348	347	347	344	341	338	336	333
125	427	429	426	426	424	422	420	418	413	410
130	510	509	509	508	506	504	503	500	497	492
135	593	594	593	592	591	589	587	584	580	576
140	678	679	678	677	675	672	670	667	664	661
145	757	757	757	756	754	752	750	748	745	742
150	831	831	830	830	829	827	825	823	821	819
155	896	896	896	895	894	893	892	891	889	887
160	952	951	951	951	950	949	949	948	947	945
165	995	995	995	995	995	994	994	993	992	992
170	1027	1027	1027	1027	1026	1026	1026	1026	1025	1025
175	1046	1046	1046	1046	1046	1046	1045	1045	1045	1045
180	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052

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	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

65	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0
95	37	35	34	33	32	32	31	31	31
100	83	81	80	78	77	76	75	75	74
105	134	132	131	129	127	126	125	125	124
110	193	191	189	187	185	183	182	182	181
115	258	256	253	251	249	247	246	245	245
120	330	327	324	321	319	317	316	315	315
125	407	403	400	398	395	393	392	391	390
130	488	485	482	479	476	474	473	472	471
135	572	569	566	563	560	558	557	556	556
140	657	654	651	648	646	644	643	642	641
145	739	737	734	732	730	728	727	726	726
150	817	815	812	810	809	808	806	806	805
155	886	884	882	881	880	879	878	877	877
160	944	943	942	941	940	939	939	939	938
165	991	990	990	989	989	988	988	988	988
170	1025	1024	1024	1024	1024	1023	1023	1023	1023
175	1045	1045	1045	1045	1045	1045	1045	1045	1045
180	1052	1052	1052	1052	1052	1052	1052	1052	1052

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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	187.52	N.A.	7.50
90-120	446.75	N.A.	17.80
90-130	814.27	N.A.	32.50
90-150	1722.56	N.A.	68.70
90-180	2508.96	N.A.	100.00
110-180	2321.44	N.A.	92.50
0-180	2508.96	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	42.93
100-110	144.60
110-120	259.22
120-130	367.52
130-140	444.50
140-150	463.79
150-160	408.02
160-170	279.25
170-180	99.13

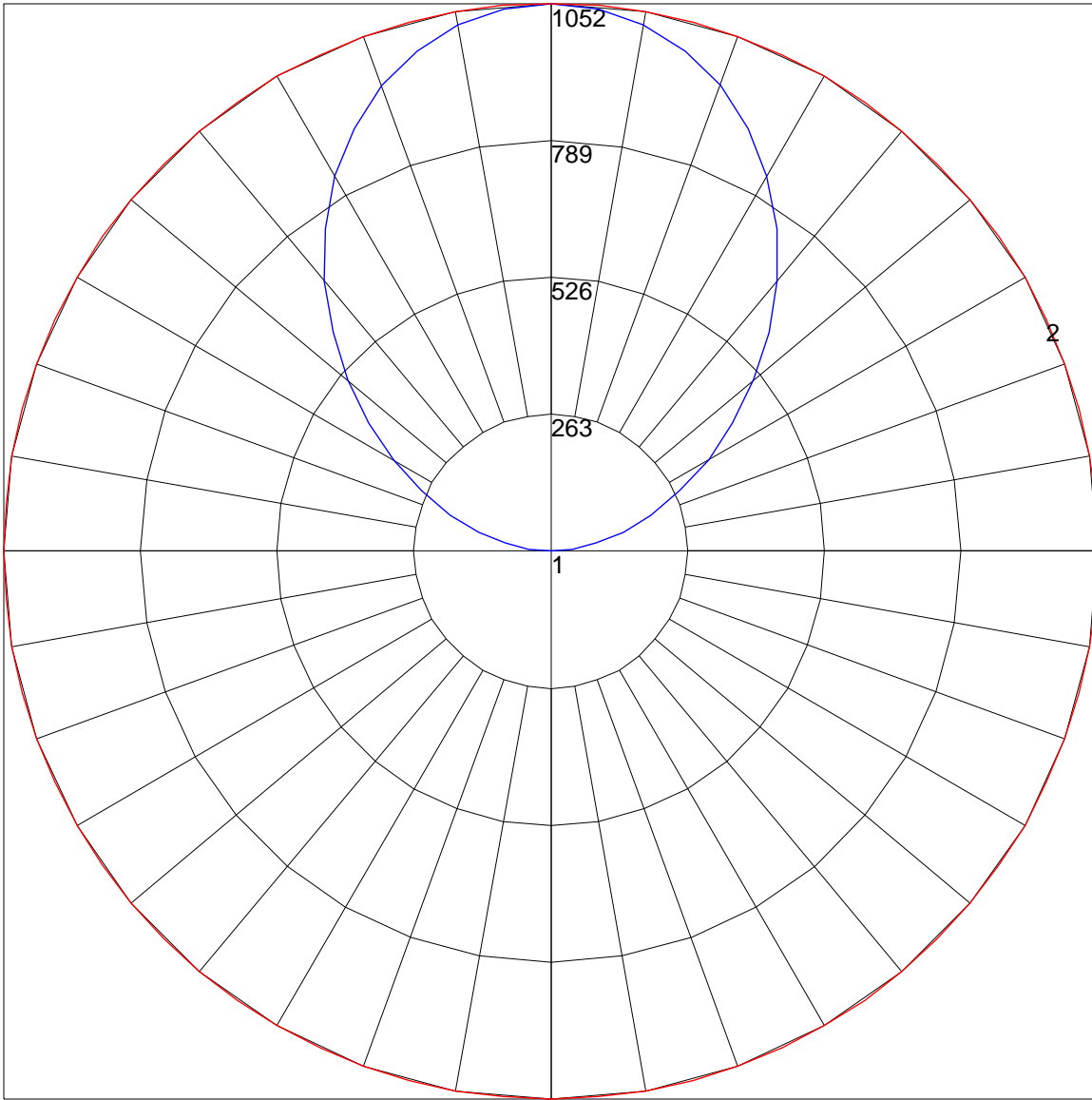
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1052 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.)