



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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L091505501.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L091505501
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 9/22/2015
 [MANUFAC] BARTCO LIGHTING
 [LUMCAT] BSS532-48-35-1-8-8-CM48-SIN-WH
 [LUMINAIRE] 4"DIA.X 47.5"L. Linear Ambient LED
 [BALLASTCAT] PHILIPS XITANIUM XI075C200V054BPT1
 [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, 61.47W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6980
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	61.47
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)	3.75 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8838	5442	4898
55	7622	4211	3801
65	6334	3115	2874
75	4951	2264	2207
85	3016	1832	1902

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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	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
5	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270
10	1248	1248	1248	1248	1248	1248	1248	1248	1248	1248
15	1211	1212	1212	1212	1212	1212	1212	1212	1212	1211
20	1161	1161	1161	1161	1161	1161	1161	1161	1161	1161
25	1096	1096	1096	1097	1097	1097	1097	1097	1098	1098
30	1019	1019	1020	1020	1020	1021	1022	1022	1023	1024
35	931	931	932	933	933	934	936	937	939	941
40	836	836	837	837	839	841	843	845	848	850
45	735	735	736	738	739	742	745	748	752	755
50	633	633	634	636	639	642	646	650	655	659
55	532	532	534	536	539	543	548	554	559	565
60	435	436	438	440	444	449	454	461	468	475
65	344	345	347	350	354	360	367	375	383	391
70	260	261	263	267	272	280	288	298	308	318
75	184	185	187	192	200	209	220	232	244	256
80	116	117	121	128	138	152	166	180	195	209
85	57	58	66	78	94	111	129	146	163	178
90	4	17	34	51	71	91	110	129	147	163
95	45	47	57	73	93	110	129	148	166	182
100	96	98	104	115	130	148	165	184	200	215
105	157	159	164	174	186	200	216	233	249	264
110	228	229	234	243	254	268	282	297	311	324
115	307	309	314	322	332	345	359	373	386	398
120	395	397	402	409	419	432	445	458	471	484
125	491	492	497	504	514	525	538	551	564	576
130	592	593	597	604	613	624	635	648	660	672
135	696	697	701	707	715	725	735	747	758	769
140	801	801	805	810	817	826	835	845	855	865
145	902	902	905	909	915	922	930	938	947	955
150	996	997	999	1002	1007	1012	1018	1025	1031	1038
155	1081	1081	1083	1085	1088	1092	1096	1101	1106	1111
160	1153	1153	1154	1155	1158	1160	1163	1166	1169	1172
165	1211	1211	1211	1212	1213	1215	1216	1218	1220	1221
170	1252	1252	1252	1253	1253	1254	1254	1255	1256	1257
175	1277	1277	1277	1277	1278	1278	1278	1278	1278	1279
180	1286	1286	1286	1286	1286	1286	1286	1286	1286	1286

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	1277	1277	1277	1277	1277	1277	1277	1277	1277
5	1270	1270	1270	1270	1270	1270	1270	1270	1270
10	1248	1248	1248	1248	1248	1248	1248	1248	1248
15	1212	1211	1211	1211	1211	1211	1211	1211	1211
20	1161	1161	1161	1161	1162	1162	1162	1161	1161
25	1098	1099	1100	1100	1100	1100	1100	1100	1100
30	1025	1026	1027	1028	1028	1029	1029	1029	1029
35	942	944	945	947	948	948	949	949	949
40	853	855	857	859	860	861	862	863	863
45	759	762	765	768	770	772	773	773	773
50	664	668	672	675	678	680	682	683	683
55	570	576	580	584	588	591	592	593	594
60	481	487	493	498	502	505	507	508	509

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CANDELA TABULATION - (Cont.)

65	399	407	413	419	423	427	429	430	431
70	327	336	343	349	354	358	361	363	363
75	267	277	285	292	298	302	305	307	307
80	221	232	241	249	255	259	262	264	264
85	192	203	213	221	227	231	234	236	236
90	178	189	199	207	213	217	220	221	222
95	196	209	218	226	232	236	239	240	241
100	228	239	248	254	259	262	265	266	266
105	276	286	294	300	305	308	309	310	311
110	337	347	355	361	365	367	369	370	370
115	410	419	426	432	436	439	441	442	442
120	495	503	510	516	520	522	524	525	525
125	587	596	603	609	613	616	618	619	619
130	683	692	699	705	710	713	716	717	717
135	780	789	796	802	807	810	813	814	815
140	874	882	889	895	900	904	906	908	908
145	963	970	976	982	986	990	992	994	994
150	1044	1050	1055	1060	1064	1066	1069	1070	1070
155	1115	1120	1124	1128	1130	1133	1134	1136	1135
160	1175	1178	1181	1184	1186	1187	1189	1189	1189
165	1223	1225	1226	1228	1229	1230	1231	1232	1232
170	1258	1258	1259	1260	1260	1261	1261	1262	1262
175	1279	1279	1279	1279	1279	1280	1280	1280	1280
180	1286	1286	1286	1286	1286	1286	1286	1286	1286

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	461.96	N.A.	6.60
0-30	967.53	N.A.	13.90
0-40	1555.52	N.A.	22.30
0-60	2643.65	N.A.	37.90
0-80	3299.16	N.A.	47.30
0-90	3480.97	N.A.	49.90
10-90	3360.45	N.A.	48.10
20-40	1093.56	N.A.	15.70
20-50	1676.23	N.A.	24.00
40-70	1475.94	N.A.	21.10
60-80	655.51	N.A.	9.40
70-80	267.70	N.A.	3.80
80-90	181.82	N.A.	2.60
90-110	447.77	N.A.	6.40
90-120	833.24	N.A.	11.90
90-130	1340.09	N.A.	19.20
90-150	2523.1	N.A.	36.10
90-180	3499.37	N.A.	50.10
110-180	3051.6	N.A.	43.70
0-180	6980.34	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	120.53
10-20	341.44
20-30	505.57
30-40	587.99
40-50	582.68
50-60	505.45
60-70	387.81
70-80	267.70
80-90	181.82
90-100	182.07
100-110	265.70
110-120	385.47
120-130	506.85
130-140	588.29
140-150	594.71
150-160	510.71
160-170	344.20
170-180	121.35

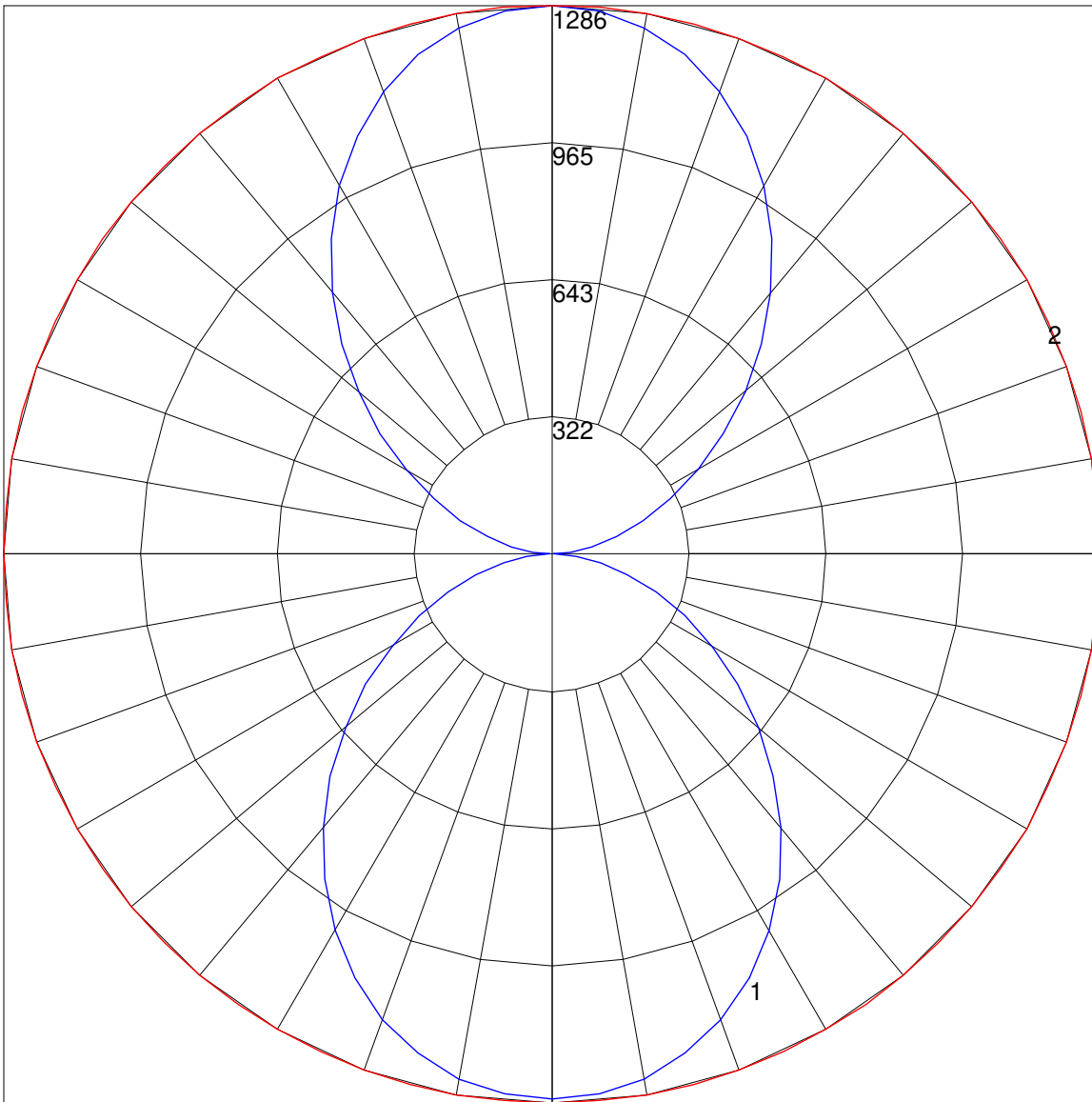
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	92	88	84	89	85	82	78	72	69	67	60	58	56	48	47	46	40
2	88	80	74	69	81	74	69	64	63	59	55	52	49	46	42	40	38	34
3	80	71	63	57	74	65	59	53	55	50	46	46	42	39	37	35	32	28
4	74	62	54	48	67	58	51	45	49	44	39	41	37	34	33	30	28	24
5	67	56	47	41	62	52	44	39	44	38	34	37	32	29	30	27	24	21
6	62	50	42	36	57	46	39	34	40	34	30	33	29	25	27	24	21	18
7	57	45	37	31	53	42	35	30	36	30	26	30	26	22	25	22	19	16
8	53	41	33	28	49	38	31	26	33	27	23	28	23	20	23	20	17	15
9	50	37	30	25	46	35	28	23	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	25	21	28	22	19	24	19	16	20	16	14	12

POLAR GRAPH



Maximum Candela = 1286 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.)