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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L101505201.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L101505201
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 10/28/2015
 [MANUFAC] BARTCO LIGHTING
 [LUMCAT] BSS220
 [LUMINAIRE] 1.75"L. X 45"W. X 2"H. LED LINEAR 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, 32.05W
 [_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2861
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	32.05
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	3.71 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18541	20086	21789
55	16210	17765	19476
65	14403	15722	17252
75	13095	14042	15162
85	13303	13559	13815

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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	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252
5	1237	1237	1237	1238	1238	1238	1239	1239	1240	1240
10	1198	1198	1199	1199	1200	1201	1202	1203	1205	1207
15	1142	1142	1143	1144	1145	1147	1149	1151	1154	1156
20	1067	1067	1068	1070	1073	1076	1079	1083	1088	1092
25	978	978	980	982	986	990	995	1001	1007	1013
30	881	882	883	887	891	896	902	909	917	924
35	781	782	784	788	792	798	805	813	821	830
40	683	684	686	689	694	700	707	715	724	733
45	588	589	591	595	599	605	612	620	628	637
50	500	500	502	505	510	515	522	529	536	545
55	417	418	420	423	426	431	436	443	450	457
60	342	343	344	346	349	353	358	363	368	374
65	273	274	275	276	279	282	285	289	293	298
70	210	210	211	212	214	216	218	221	224	227
75	152	153	153	154	155	156	158	159	161	163
80	99	99	100	100	101	101	102	103	104	105
85	52	52	52	52	52	52	53	53	53	53
90	0	0	0	0	0	0	0	0	0	0

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	1252	1252	1252	1252	1252	1252	1252	1252	1252
5	1241	1241	1242	1242	1243	1243	1243	1243	1243
10	1209	1211	1212	1214	1216	1217	1218	1218	1218
15	1159	1162	1165	1168	1171	1174	1176	1177	1177
20	1096	1099	1103	1107	1111	1115	1118	1120	1121
25	1019	1025	1030	1034	1039	1043	1048	1051	1051
30	932	940	946	952	956	961	966	969	971
35	839	847	855	862	867	871	876	880	881
40	742	751	760	767	773	777	781	785	787
45	646	655	663	671	677	682	684	688	691
50	553	561	569	576	582	587	589	592	594
55	464	471	478	485	490	495	497	498	501
60	380	386	392	397	402	406	408	409	411
65	302	307	311	316	319	323	325	325	327
70	230	233	236	239	242	245	246	247	248
75	165	167	168	170	172	173	174	175	176
80	106	107	107	108	108	109	110	111	111
85	53	53	54	54	53	53	53	53	54
90	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	443.12	N.A.	15.50
0-30	909.11	N.A.	31.80
0-40	1428.33	N.A.	49.90
0-60	2332.11	N.A.	81.50
0-80	2803.29	N.A.	98.00
0-90	2860.59	N.A.	100.00
10-90	2743.23	N.A.	95.90
20-40	985.21	N.A.	34.40
20-50	1478.26	N.A.	51.70
40-70	1200.99	N.A.	42.00
60-80	471.18	N.A.	16.50
70-80	173.97	N.A.	6.10
80-90	57.29	N.A.	2.00
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	2860.59	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.36
10-20	325.76
20-30	465.99
30-40	519.22
40-50	493.05
50-60	410.74
60-70	297.21
70-80	173.97
80-90	57.29
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

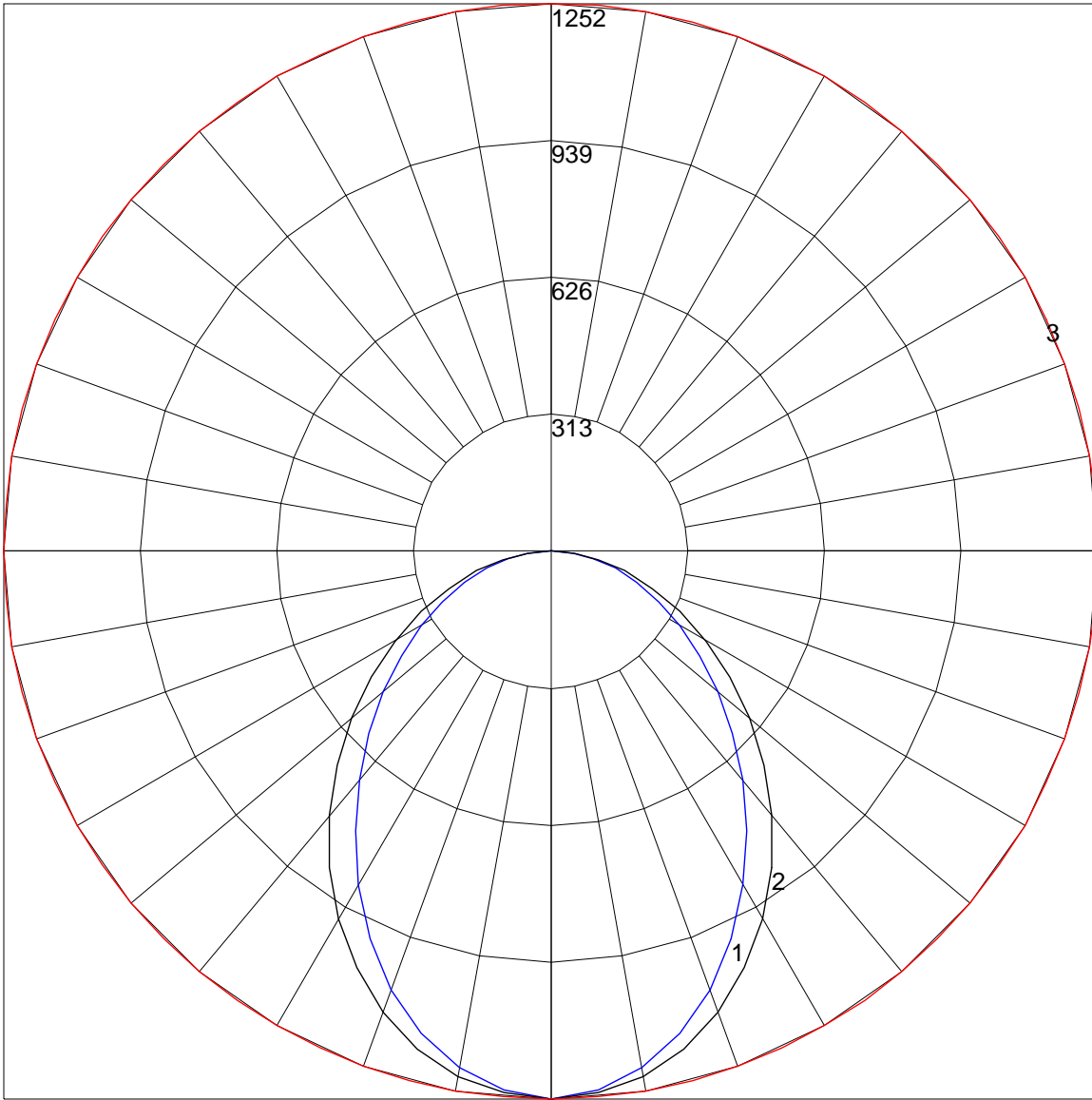
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	58	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	43	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	41	34	29	41	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1252 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.)