



8165 E. Kaiser Blvd. Anaheim, CA 92808
 www.lightlaboratory.com

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L071701501.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L071701501
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUE DATE] 7/10/2017
 [MANUFAC] Bartco Lighting
 [LUMCAT] BSS440
 [LUMINAIRE] Recessed Slot Light
 [BALLASTCAT] PHILIPS ADVANCE XI040C110V054BST1
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 31.69W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3452
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	31.69
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.69 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10229	9804	9267
55	8976	8437	7775
65	8024	7418	6687
75	6927	6278	5528
85	6586	5370	4661

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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	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490
5	1478	1478	1477	1476	1477	1479	1481	1481	1481	1481
10	1449	1449	1448	1447	1449	1450	1451	1452	1452	1452
15	1402	1402	1401	1400	1401	1402	1404	1404	1404	1404
20	1337	1336	1336	1335	1336	1337	1338	1338	1337	1336
25	1255	1254	1254	1253	1254	1254	1254	1253	1251	1249
30	1160	1159	1158	1157	1157	1157	1156	1154	1150	1146
35	1053	1052	1051	1050	1049	1047	1045	1041	1036	1032
40	938	937	935	934	933	930	927	922	915	910
45	819	818	816	815	812	809	804	798	792	785
50	699	698	697	695	692	688	683	677	670	663
55	583	582	581	579	576	572	567	561	554	548
60	477	476	475	473	470	466	461	456	450	444
65	384	383	382	380	378	374	370	365	360	355
70	289	289	288	286	284	281	278	274	269	265
75	203	203	203	201	199	197	194	191	187	184
80	129	129	128	127	126	124	121	119	116	114
85	65	64	64	63	61	60	58	56	54	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	1490	1490	1490	1490	1490	1490	1490	1490	1490
5	1481	1481	1481	1480	1479	1478	1478	1478	1480
10	1452	1452	1452	1450	1450	1449	1448	1449	1450
15	1403	1403	1402	1401	1400	1399	1398	1399	1399
20	1335	1333	1332	1331	1329	1328	1326	1327	1326
25	1247	1244	1242	1240	1238	1235	1233	1233	1233
30	1143	1139	1136	1132	1129	1126	1123	1123	1123
35	1026	1021	1017	1012	1008	1004	1001	1000	1000
40	903	897	892	886	881	876	873	872	871
45	778	771	765	758	752	747	744	743	742
50	656	649	642	635	629	624	621	620	619
55	541	534	527	521	515	511	507	505	505
60	438	431	425	419	413	409	406	405	404
65	349	343	338	332	328	324	322	320	320
70	260	255	251	247	242	240	238	236	236
75	180	176	173	170	167	165	163	162	162
80	111	109	106	104	103	101	100	99	99
85	51	50	49	48	47	46	46	46	46
90	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	534.84	N.A.	15.50
0-30	1107.84	N.A.	32.10
0-40	1750.75	N.A.	50.70
0-60	2846.08	N.A.	82.40
0-80	3391.83	N.A.	98.30
0-90	3452.24	N.A.	100.00
10-90	3311.95	N.A.	95.90
20-40	1215.91	N.A.	35.20
20-50	1820.48	N.A.	52.70
40-70	1444.78	N.A.	41.90
60-80	545.75	N.A.	15.80
70-80	196.30	N.A.	5.70
80-90	60.41	N.A.	1.70
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	3452.24	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.29
10-20	394.55
20-30	573.00
30-40	642.90
40-50	604.57
50-60	490.76
60-70	349.45
70-80	196.30
80-90	60.41
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

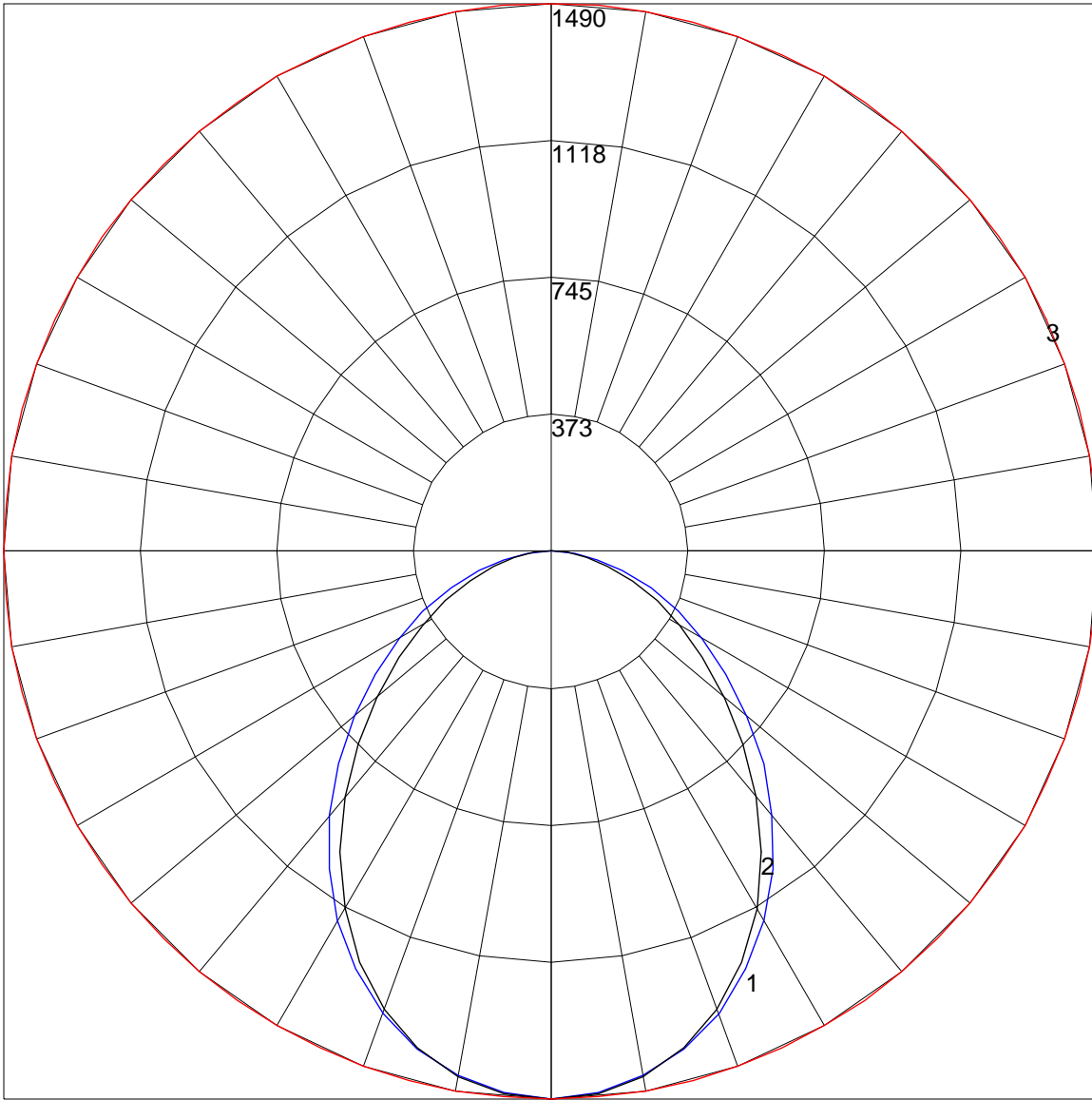
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1490 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.)