



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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051706901.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L051706901
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 5/24/2017
[MANUFAC] Bartco Lighting
[LUMCAT] BSS420
[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, 32.42W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3240
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	32.42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.15 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	18447	19813	21289
55	15969	17283	18799
65	13900	15089	16415
75	12170	13290	14410
85	11086	12416	13968

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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	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416
5	1407	1407	1407	1407	1407	1407	1407	1407	1407	1408
10	1371	1371	1371	1371	1372	1373	1373	1374	1375	1376
15	1310	1311	1311	1312	1313	1315	1317	1319	1321	1323
20	1228	1228	1229	1231	1233	1236	1240	1243	1248	1252
25	1129	1129	1131	1133	1137	1141	1146	1152	1157	1163
30	1018	1019	1021	1024	1028	1034	1040	1046	1053	1060
35	903	903	905	909	913	920	926	934	942	951
40	787	788	790	793	798	805	812	820	828	838
45	675	676	678	682	686	692	699	707	716	725
50	570	571	573	576	580	586	592	600	608	616
55	474	474	476	478	482	487	493	499	506	513
60	385	385	386	389	392	396	400	406	412	418
65	304	304	306	307	310	313	317	321	325	330
70	230	230	231	233	235	237	240	243	247	250
75	163	163	164	165	166	168	170	173	175	178
80	103	103	104	104	105	107	108	110	111	113
85	50	50	51	51	52	53	53	54	55	56
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	1416	1416	1416	1416	1416	1416	1416	1416	1416
5	1408	1408	1408	1408	1408	1408	1408	1408	1408
10	1377	1378	1379	1380	1381	1381	1382	1382	1382
15	1326	1328	1331	1333	1335	1337	1338	1339	1339
20	1257	1260	1263	1267	1269	1272	1274	1275	1275
25	1168	1174	1179	1184	1188	1192	1194	1196	1197
30	1068	1076	1083	1089	1094	1099	1102	1104	1104
35	960	969	977	984	990	995	999	1001	1002
40	847	857	865	873	880	885	889	891	892
45	734	743	752	761	767	773	776	779	779
50	625	634	642	650	656	661	665	667	667
55	521	529	536	543	548	553	556	558	558
60	424	430	437	442	447	451	454	455	455
65	335	340	345	349	353	356	358	359	359
70	254	257	261	264	267	269	271	272	272
75	181	183	185	188	189	191	192	193	193
80	115	117	118	120	121	122	123	123	123
85	57	58	59	60	61	62	63	63	63
90	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	505.79	N.A.	15.60
0-30	1040.42	N.A.	32.10
0-40	1635.56	N.A.	50.50
0-60	2659.11	N.A.	82.10
0-80	3178.69	N.A.	98.10
0-90	3240.18	N.A.	100.00
10-90	3106.84	N.A.	95.90
20-40	1129.76	N.A.	34.90
20-50	1691.14	N.A.	52.20
40-70	1353.23	N.A.	41.80
60-80	519.57	N.A.	16.00
70-80	189.90	N.A.	5.90
80-90	61.50	N.A.	1.90
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	3240.18	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.34
10-20	372.45
20-30	534.63
30-40	595.14
40-50	561.38
50-60	462.18
60-70	329.68
70-80	189.90
80-90	61.50
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

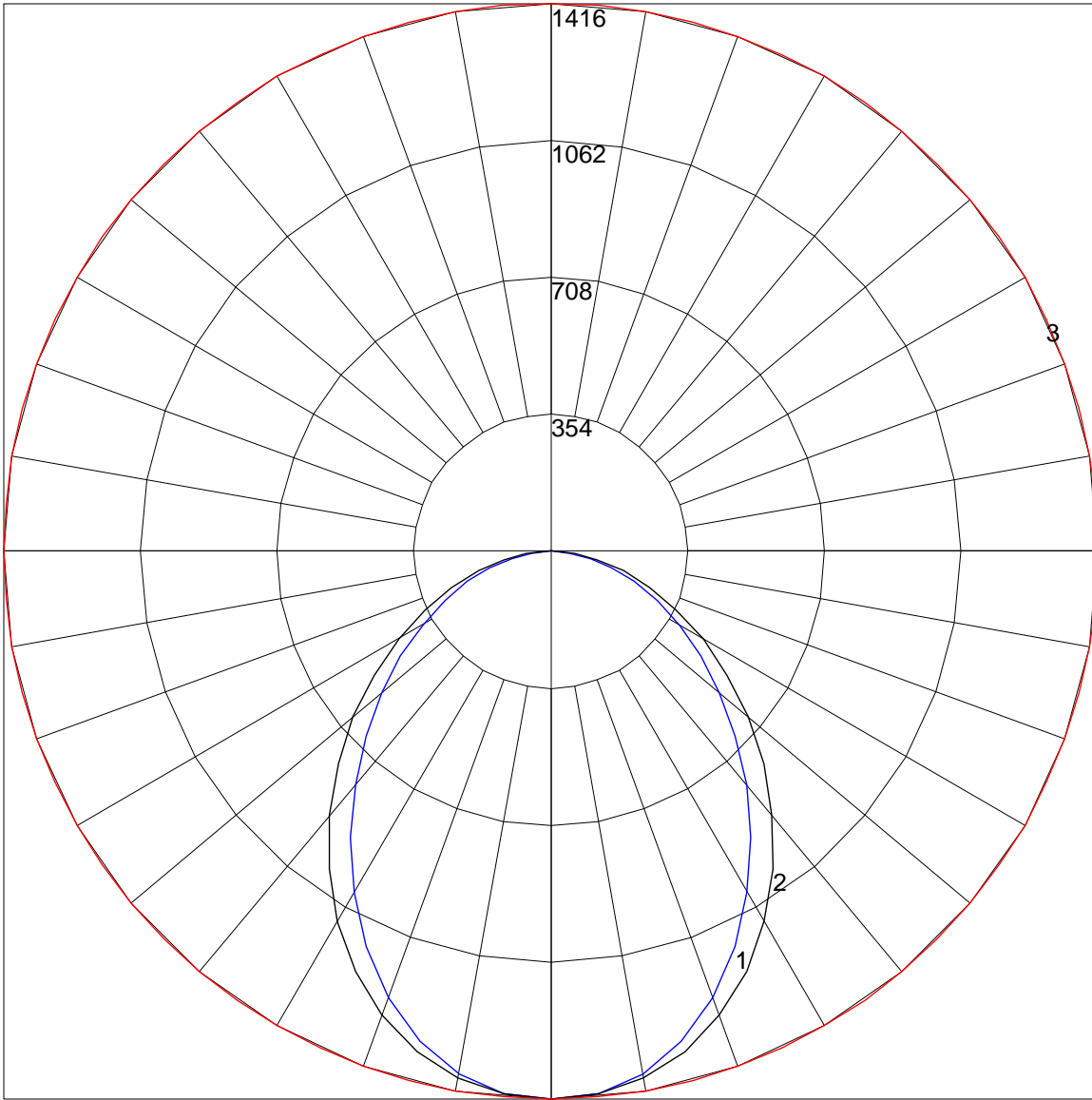
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	46
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	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 = 1416 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.)