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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L101601204.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L101601204
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 10/18/2016
 [MANUFAC] BARTCO LIGHTING
 [LUMCAT] BSS305-4-35-35-8-F-WH
 [LUMINAIRE] UNDERCABINET LED FIXTURE
 [BALLASTCAT] PHILIPS ADVANCE XI040C110V054BST1
 [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, 31.87W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2843
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	31.87
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.94
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.06
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14384	19000	40019
55	14125	14887	29470
65	14412	13861	20481
75	14751	14188	15877
85	14378	15382	15382

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1556	1556	1556	1556	1556
5	1552	1548	1551	1548	1549
10	1523	1524	1529	1529	1530
15	1448	1464	1487	1496	1499
20	1290	1329	1409	1448	1453
25	1029	1101	1271	1378	1395
30	742	824	1066	1282	1323
35	526	590	826	1149	1234
40	406	441	614	971	1121
45	349	363	461	770	971
50	313	316	361	580	780
55	278	277	293	425	580
60	245	242	245	319	421
65	209	205	201	232	297
70	171	169	164	176	206
75	131	131	126	130	141
80	89	89	88	88	91
85	43	44	46	47	46
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	562.06	N.A.	19.80
0-30	1127.89	N.A.	39.70
0-40	1669.54	N.A.	58.70
0-60	2431.52	N.A.	85.50
0-80	2793.94	N.A.	98.30
0-90	2842.81	N.A.	100.00
10-90	2695.63	N.A.	94.80
20-40	1107.49	N.A.	39.00
20-50	1545.92	N.A.	54.40
40-70	985.91	N.A.	34.70
60-80	362.42	N.A.	12.70
70-80	138.49	N.A.	4.90
80-90	48.87	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	2842.81	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.18
10-20	414.88
20-30	565.83
30-40	541.66
40-50	438.43
50-60	323.55
60-70	223.93
70-80	138.49
80-90	48.87
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

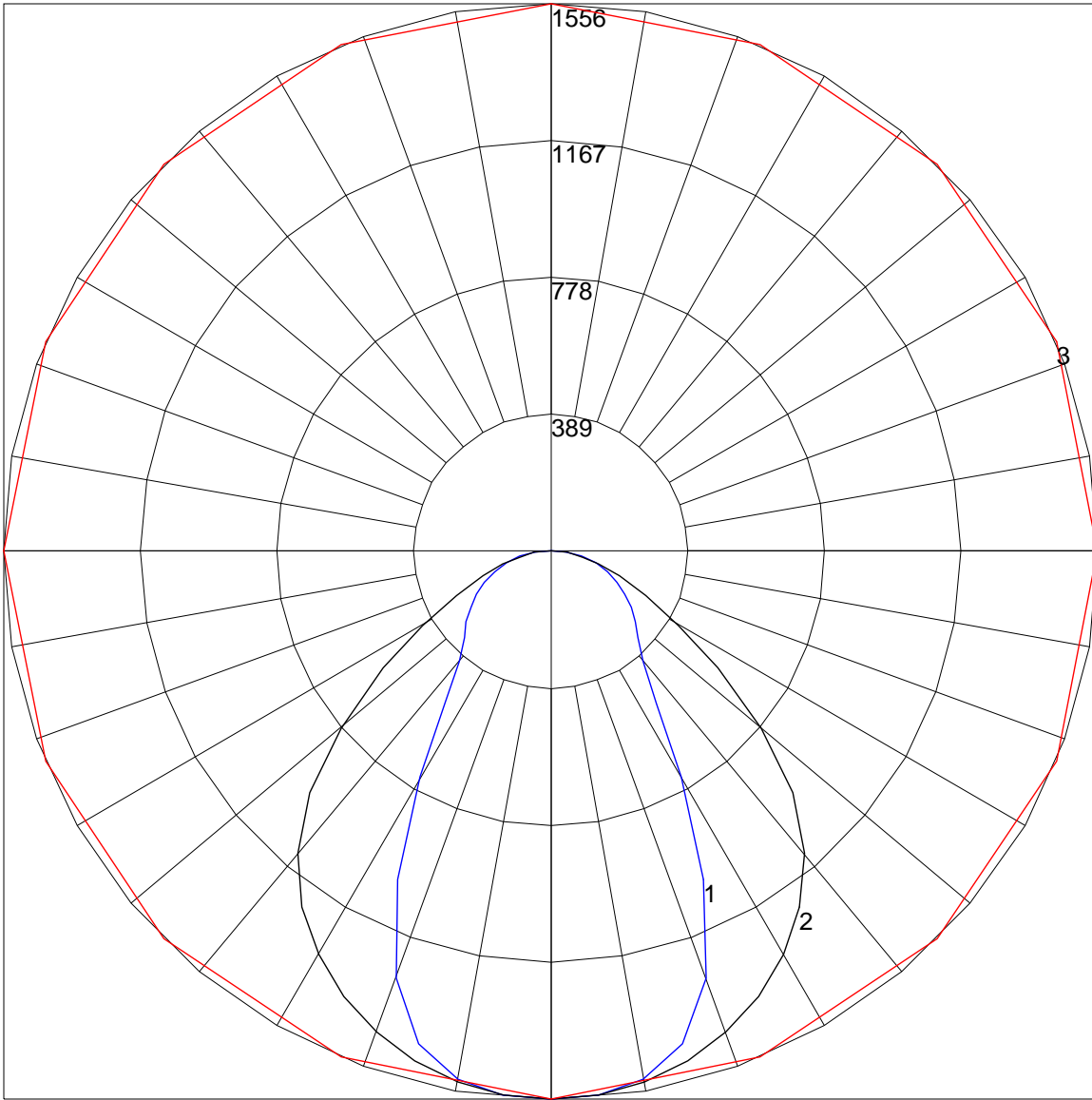
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

POLAR GRAPH



Maximum Candela = 1556 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.)