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

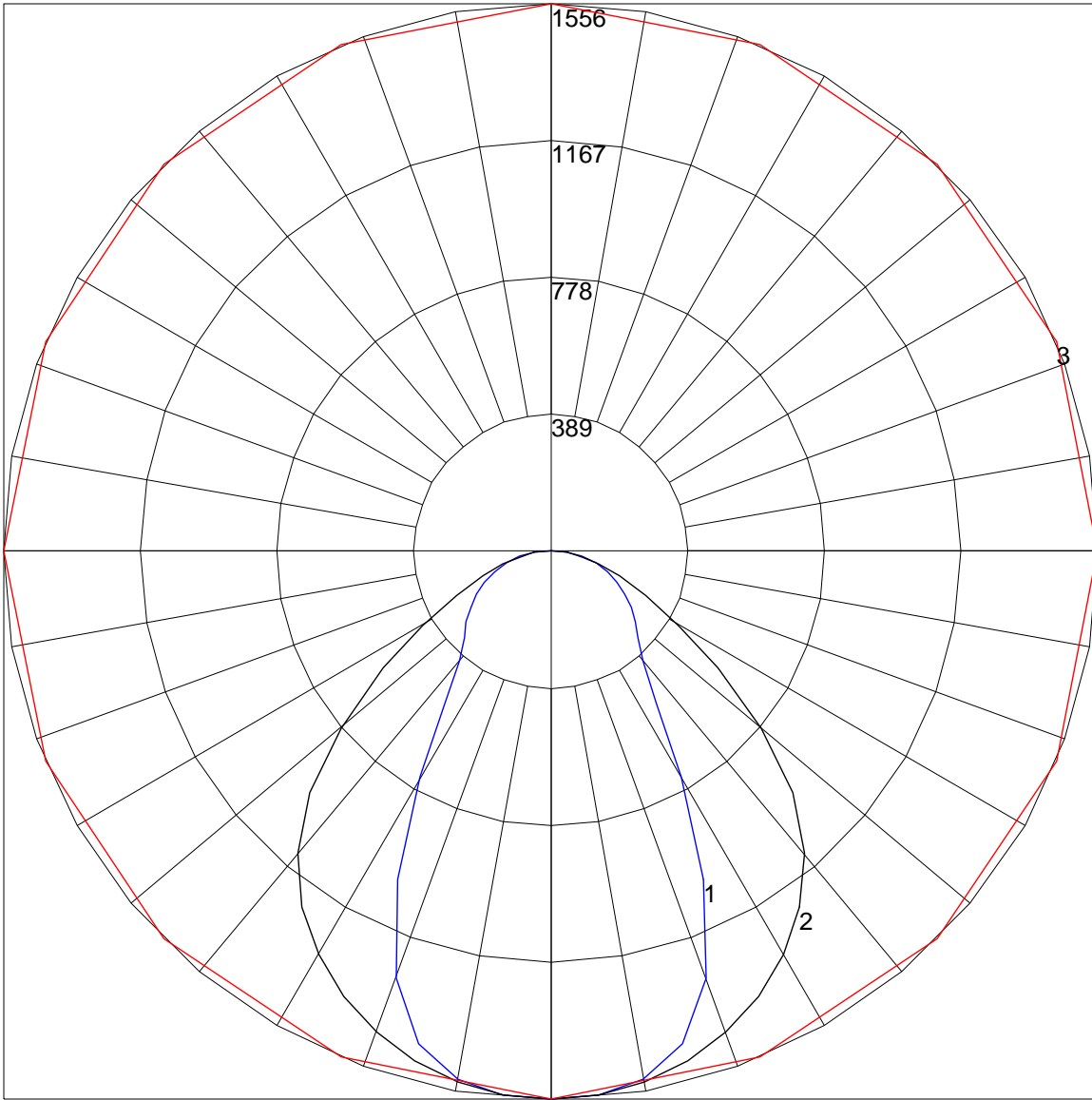
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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.)