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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L101601205.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L101601205
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 10/20/2016
 [MANUFAC] BARTCO LIGHTING
 [LUMCAT] BSS510-4-35-8C48SIWH
 [LUMINAIRE] LED ROUND HOUSING
 [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	3277
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	32.05
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.69 ft
Luminous Width (90-270)	0.15 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23630	20662	17228
55	20730	16293	12973
65	17424	12964	10252
75	14038	10359	8558
85	11146	8694	8471

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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	1527	1527	1527	1527	1527
5	1519	1520	1517	1518	1506
10	1491	1491	1485	1483	1469
15	1448	1444	1433	1426	1409
20	1386	1380	1363	1349	1328
25	1308	1298	1270	1243	1218
30	1210	1199	1162	1116	1078
35	1106	1087	1035	968	929
40	988	965	896	807	779
45	860	834	752	651	627
50	733	704	612	514	493
55	612	574	481	396	383
60	489	451	374	306	294
65	379	344	282	233	223
70	278	251	204	170	163
75	187	168	138	119	114
80	114	103	85	71	71
85	50	44	39	36	38
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	547.20	N.A.	16.70
0-30	1129.84	N.A.	34.50
0-40	1770.63	N.A.	54.00
0-60	2786.26	N.A.	85.00
0-80	3231.11	N.A.	98.60
0-90	3277.22	N.A.	100.00
10-90	3133.45	N.A.	95.60
20-40	1223.44	N.A.	37.30
20-50	1799.78	N.A.	54.90
40-70	1305.61	N.A.	39.80
60-80	444.85	N.A.	13.60
70-80	154.87	N.A.	4.70
80-90	46.11	N.A.	1.40
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	3277.22	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.77
10-20	403.43
20-30	582.64
30-40	640.79
40-50	576.34
50-60	439.29
60-70	289.98
70-80	154.87
80-90	46.11
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

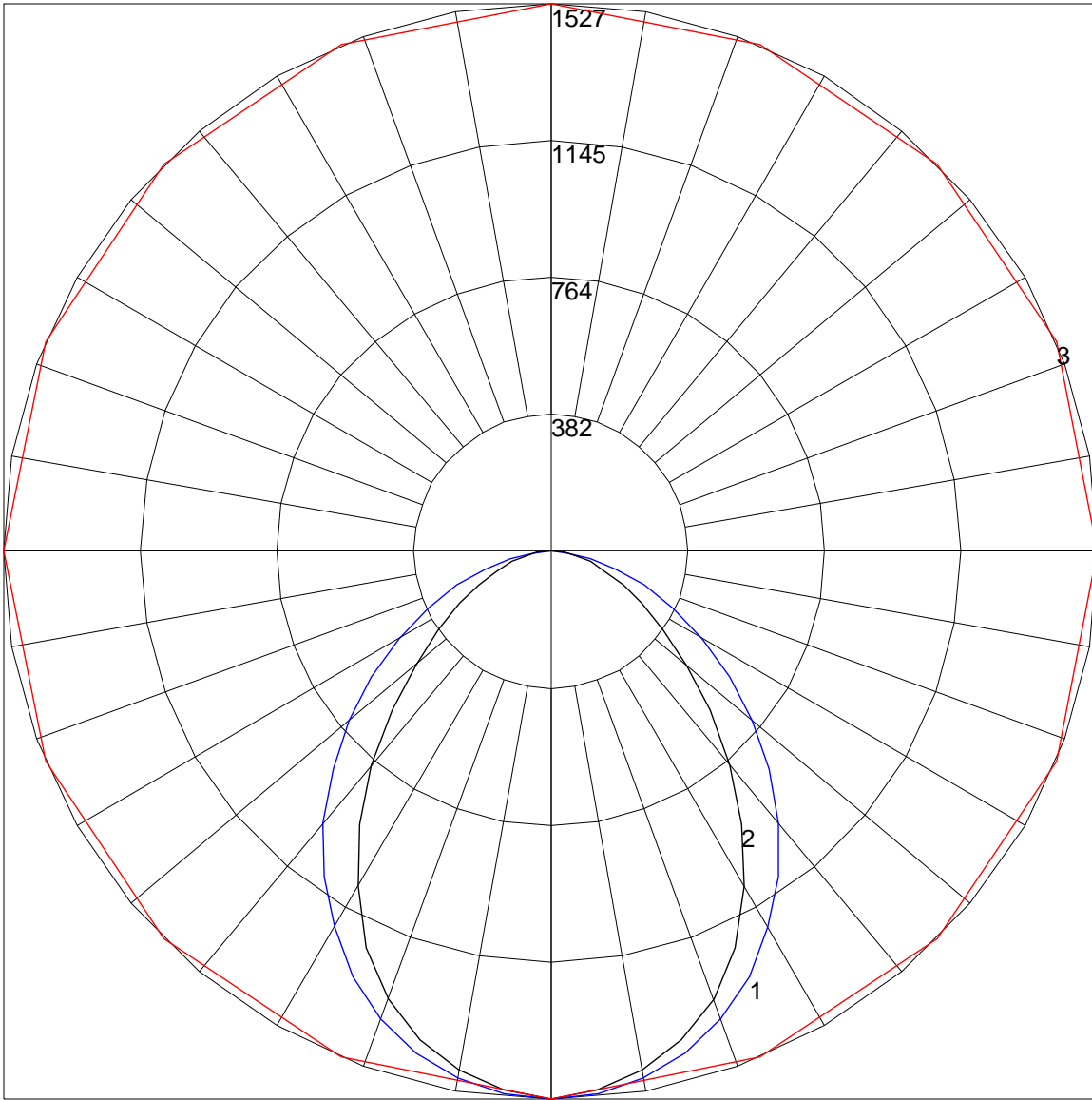
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	116	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	86
2	101	93	87	82	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74	74
3	93	83	76	70	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64	64
4	86	74	66	60	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55	55
5	79	67	59	53	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49
6	73	61	53	47	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43
7	68	56	47	42	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39	39
8	64	51	43	38	38	62	50	43	37	49	42	37	48	42	37	47	41	37	35	35
9	60	47	39	34	34	59	47	39	34	45	39	34	44	38	34	43	38	33	32	32
10	56	44	36	31	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	29

POLAR GRAPH



Maximum Candela = 1527 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.)