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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L041607902.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041607902
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 4/27/2016
 [MANUFAC] GM LIGHTING
 [LUMCAT] LARC6-8-WW-W
 [LUMINAIRE] 16" Portable Cabinet LED LUMINAIRE
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [TEST CONDITION] CANDELA VALUES ARE GENERATED FROM LIGHT LABORATORY L041607901
 [MORE] BY USING THE LENGHT RATIO OF 2.0.
 [POWER SUPPLY] 24VDC CONSTANT VOLTAGE SOURCE
 [INPUT] 24VDC, 6.10W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	461
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	6.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.04 ft
Luminous Width (90-270)	1.04 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	39446	39351	39388
55	38417	38345	38273
65	36334	36077	36028
75	31342	30843	30663
85	22898	19932	16432

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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	157.62	157.62	157.62	157.62	157.62
5	156.90	156.98	156.98	156.90	157.24
10	155.06	154.96	154.96	154.88	155.22
15	151.70	151.78	151.78	151.78	151.86
20	147.34	147.34	147.34	147.34	147.50
25	141.62	141.54	141.54	141.54	141.80
30	134.92	134.74	134.66	134.58	134.92
35	127.04	126.70	126.86	126.86	126.86
40	117.80	117.88	117.72	117.72	117.96
45	107.90	107.74	107.64	107.48	107.74
50	97.16	96.82	96.90	96.58	96.82
55	85.24	85.00	85.08	84.82	84.92
60	72.32	72.50	71.98	72.16	72.32
65	59.40	59.40	58.98	58.82	58.90
70	46.14	45.48	45.14	44.88	44.80
75	31.38	31.72	30.88	30.46	30.70
80	18.46	18.62	17.88	17.36	17.12
85	7.72	7.38	6.72	5.88	5.54
90	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	57.77	N.A.	12.50
0-30	123.04	N.A.	26.70
0-40	202.38	N.A.	43.90
0-60	361.32	N.A.	78.30
0-80	452.70	N.A.	98.20
0-90	461.19	N.A.	100.00
10-90	446.27	N.A.	96.80
20-40	144.61	N.A.	31.40
20-50	227.67	N.A.	49.40
40-70	217.29	N.A.	47.10
60-80	91.37	N.A.	19.80
70-80	33.03	N.A.	7.20
80-90	8.50	N.A.	1.80
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	461.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	14.92
10-20	42.85
20-30	65.27
30-40	79.33
40-50	83.07
50-60	75.88
60-70	58.34
70-80	33.03
80-90	8.50
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

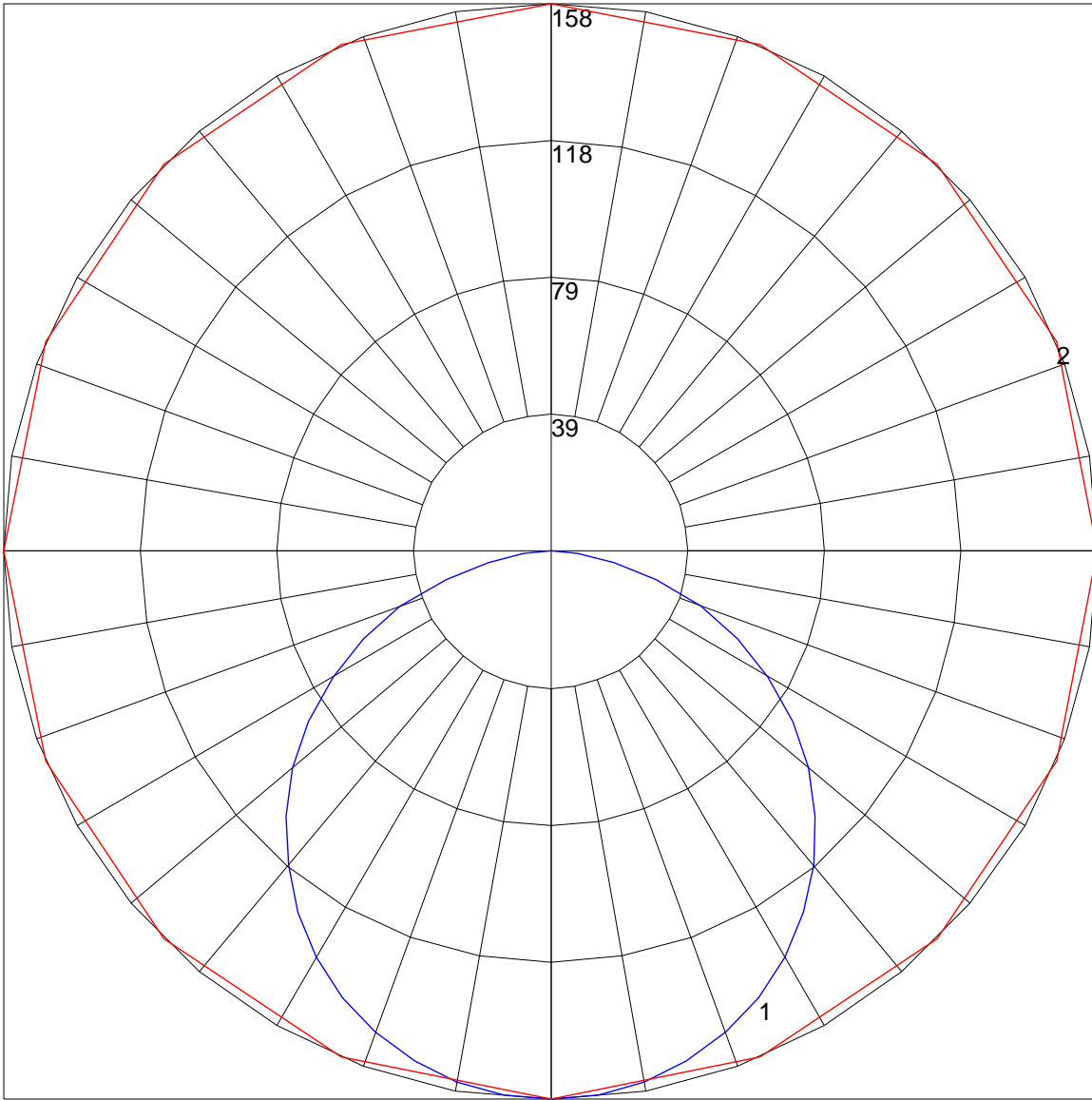
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 157.62 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)