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Photometric Test Report

IES INDOOR REPORT

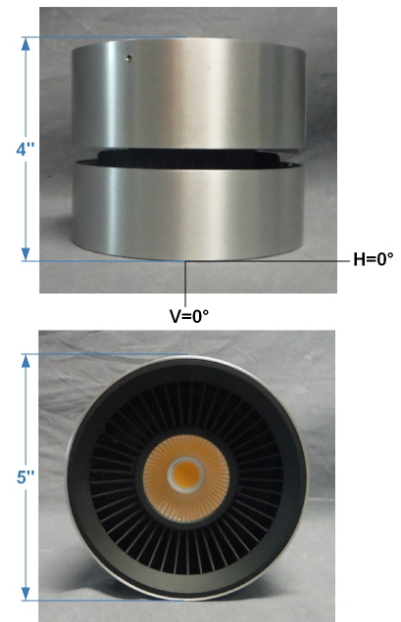
PHOTOMETRIC FILENAME : L03147210.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L03147210
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUE DATE] 3/31/2014
[MANUFAC] LUMENART LTD
[LUMCAT] ACL.100.40DEG
[LUMINAIRE] 5"DIA. X 4"H. ROUND CEILING DOWNLIGHT 40DEG
[MORE] NO LENS
[BALLASTCAT] THOMAS RESEARCH PRODUCTS VLED25W-037-C0700-D
[BALLAST] INPUT: 100-277VAC, 0.40A, 50-60HZ. OUTPUT: 19-37VDC, 0.7A
[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, 28.91W
[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2625
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	28.91
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.62
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.16 ft (Diameter)
Luminous Width (90-270)	0.16 ft (Diameter)
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	50678	50678	50678
55	4662	4662	4662
65	3797	3797	3797
75	2067	2067	2067
85	0	0	0

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CANDELA TABULATION

	0
0.0	5484
1.0	5485
3.0	5440
5.0	5294
7.0	5061
9.0	4774
11.0	4437
13.0	4056
15.0	3640
17.0	3194
19.5	2597
22.5	1880
25.5	1338
29.0	1032
33.0	766
37.5	441
42.5	124
47.5	10
55.0	5
65.0	3
75.0	1
85.0	0
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1426.27	N.A.	54.30
0-30	2113.66	N.A.	80.50
0-40	2488.56	N.A.	94.80
0-60	2618.87	N.A.	99.80
0-80	2624.72	N.A.	100.00
0-90	2625.26	N.A.	100.00
10-90	2227.31	N.A.	84.80
20-40	1062.28	N.A.	40.50
20-50	1187.79	N.A.	45.20
40-70	134.10	N.A.	5.10
60-80	5.85	N.A.	0.20
70-80	2.06	N.A.	0.10
80-90	0.54	N.A.	0.00
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	2625.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	397.95
10-20	1028.32
20-30	687.38
30-40	374.90
40-50	125.50
50-60	4.81
60-70	3.79
70-80	2.06
80-90	0.54
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

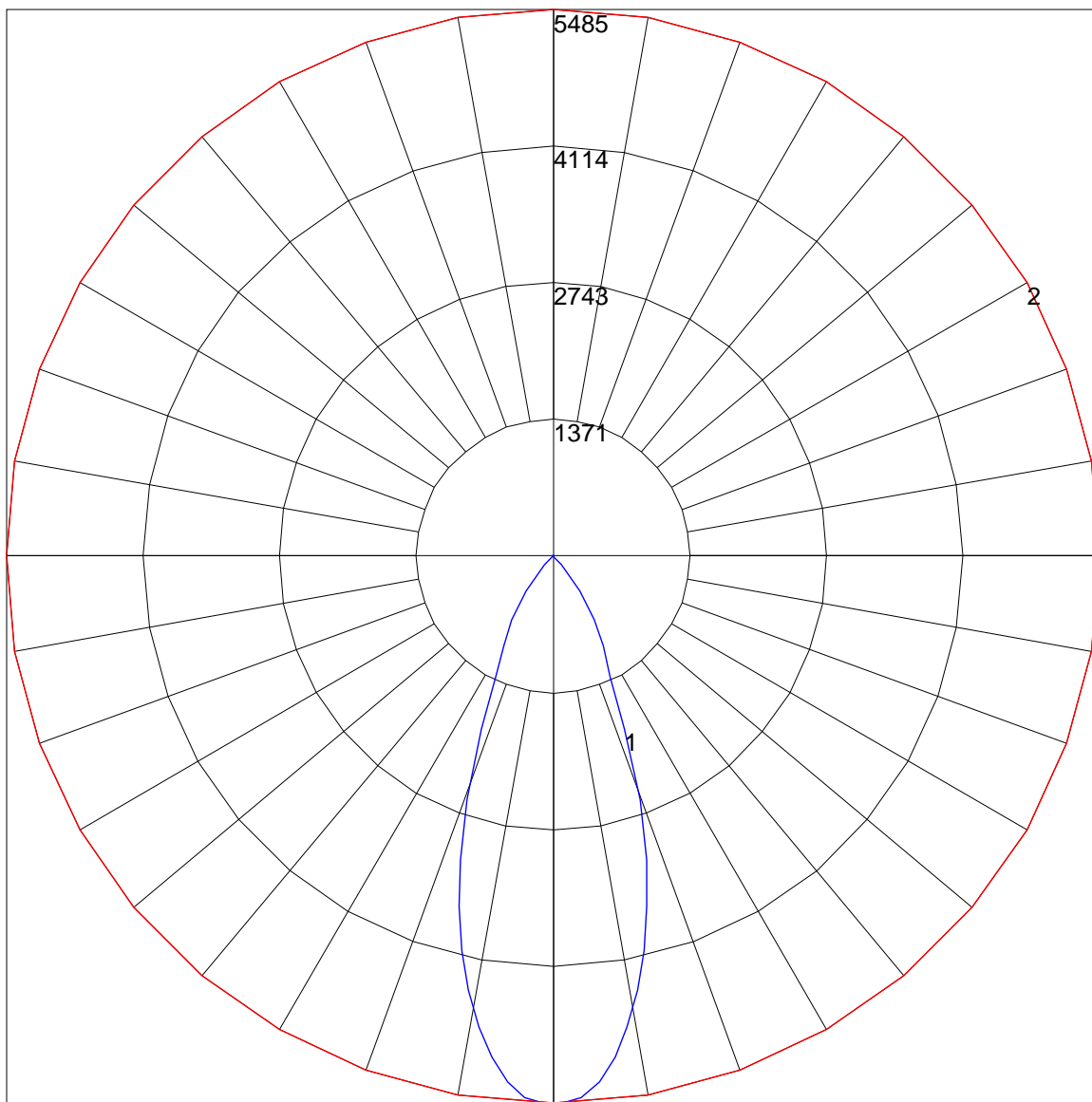
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

POLAR GRAPH



Maximum Candela = 5485 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)