

Photometric Test Report

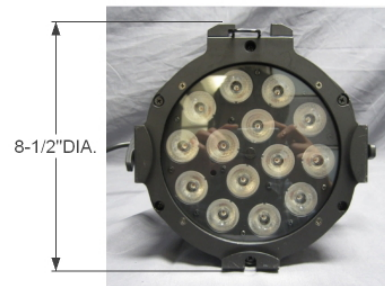
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L04130406.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L04130406
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 05/02/2013
[MANUFAC] ELATION LIGHTING
[LUMCAT] EPAR QW
[LUMINAIRE] 11"H. X 8-1/2"DIA. LED FIXTURE
[MORE] CLEAR LENS
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 110VAC, 60.48W
[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1630
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	27
Total Luminaire Watts	60.48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.52 ft (Diameter)
Luminous Width (90-270)	0.52 ft (Diameter)
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3760	3760	3760
55	3002	3002	3002
65	2157	2157	2157
75	2543	2543	2543
85	6391	6391	6391

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CANDELA TABULATION

	<u>0</u>
0.0	16083
1.0	15591
3.0	13336
5.0	10258
7.0	7400
9.0	5233
11.0	3641
13.0	2436
15.0	1569
17.0	1025
19.5	691
22.5	497
25.5	337
29.0	198
33.0	117
37.5	77
42.5	56
47.5	49
55.0	34
65.0	18
75.0	13
85.0	11
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1267.36	N.A.	77.70
0-30	1440.18	N.A.	88.30
0-40	1503.38	N.A.	92.20
0-60	1573.76	N.A.	96.50
0-80	1614.37	N.A.	99.00
0-90	1630.33	N.A.	100.00
10-90	928.80	N.A.	57.00
20-40	236.01	N.A.	14.50
20-50	279.79	N.A.	17.20
40-70	95.04	N.A.	5.80
60-80	40.61	N.A.	2.50
70-80	15.95	N.A.	1.00
80-90	15.95	N.A.	1.00
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	1630.33	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	701.53
10-20	565.83
20-30	172.82
30-40	63.19
40-50	43.78
50-60	26.60
60-70	24.66
70-80	15.95
80-90	15.95
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

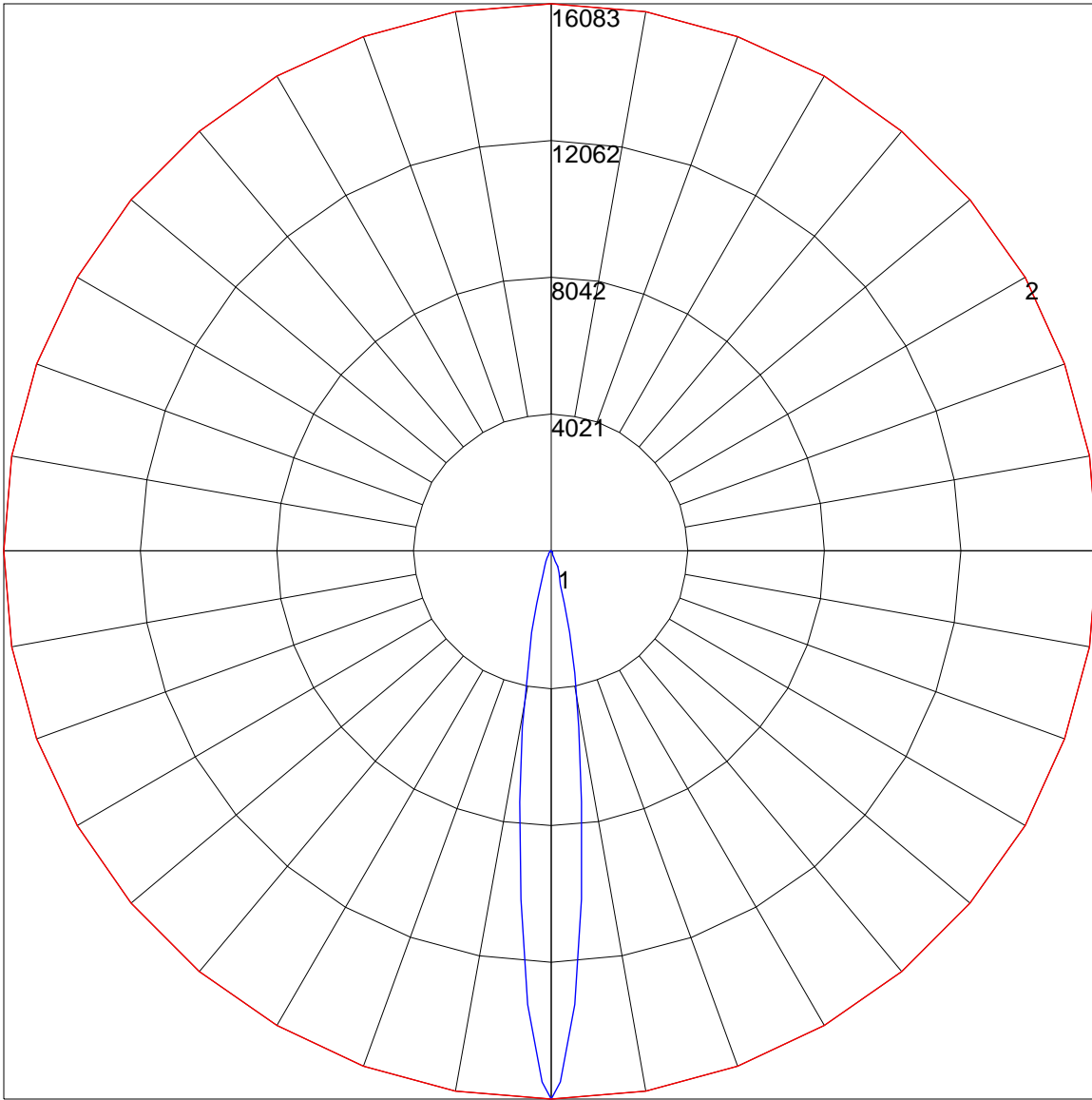
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	80	78	75	74
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73

POLAR GRAPH



Maximum Candela = 16083 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.)