

Photometric Test Report

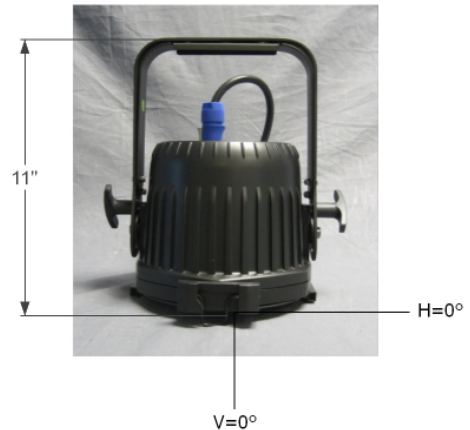
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L04130407.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L04130407
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 05/02/2013
[MANUFAC] ELATION LIGHTING
[LUMCAT] EPAR TRI
[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, 45.15W
[_TEST PROCEDURE] IESNA:LM-79-08

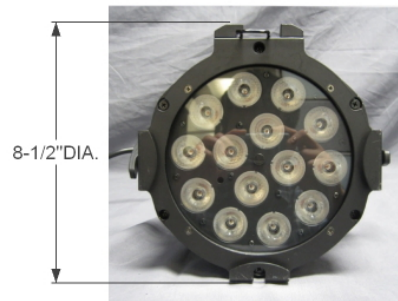
CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	904
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	20
Total Luminaire Watts	45.15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
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	1898	1898	1898
55	1501	1501	1501
65	1318	1318	1318
75	1565	1565	1565
85	3486	3486	3486



CANDELA TABULATION

	<u>0</u>
0.0	12335
1.0	11948
3.0	10172
5.0	7536
7.0	4910
9.0	2984
11.0	1778
13.0	1057
15.0	627
17.0	376
19.5	222
22.5	145
25.5	108
29.0	80
33.0	58
37.5	41
42.5	29
47.5	24
55.0	17
65.0	11
75.0	8
85.0	6
90.0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	750.83	N.A.	83.10
0-30	805.90	N.A.	89.20
0-40	835.58	N.A.	92.50
0-60	871.32	N.A.	96.40
0-80	894.38	N.A.	99.00
0-90	903.57	N.A.	100.00
10-90	408.72	N.A.	45.20
20-40	84.75	N.A.	9.40
20-50	107.36	N.A.	11.90
40-70	49.02	N.A.	5.40
60-80	23.06	N.A.	2.60
70-80	9.78	N.A.	1.10
80-90	9.19	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	903.57	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	494.86
10-20	255.97
20-30	55.07
30-40	29.68
40-50	22.60
50-60	13.14
60-70	13.28
70-80	9.78
80-90	9.19
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

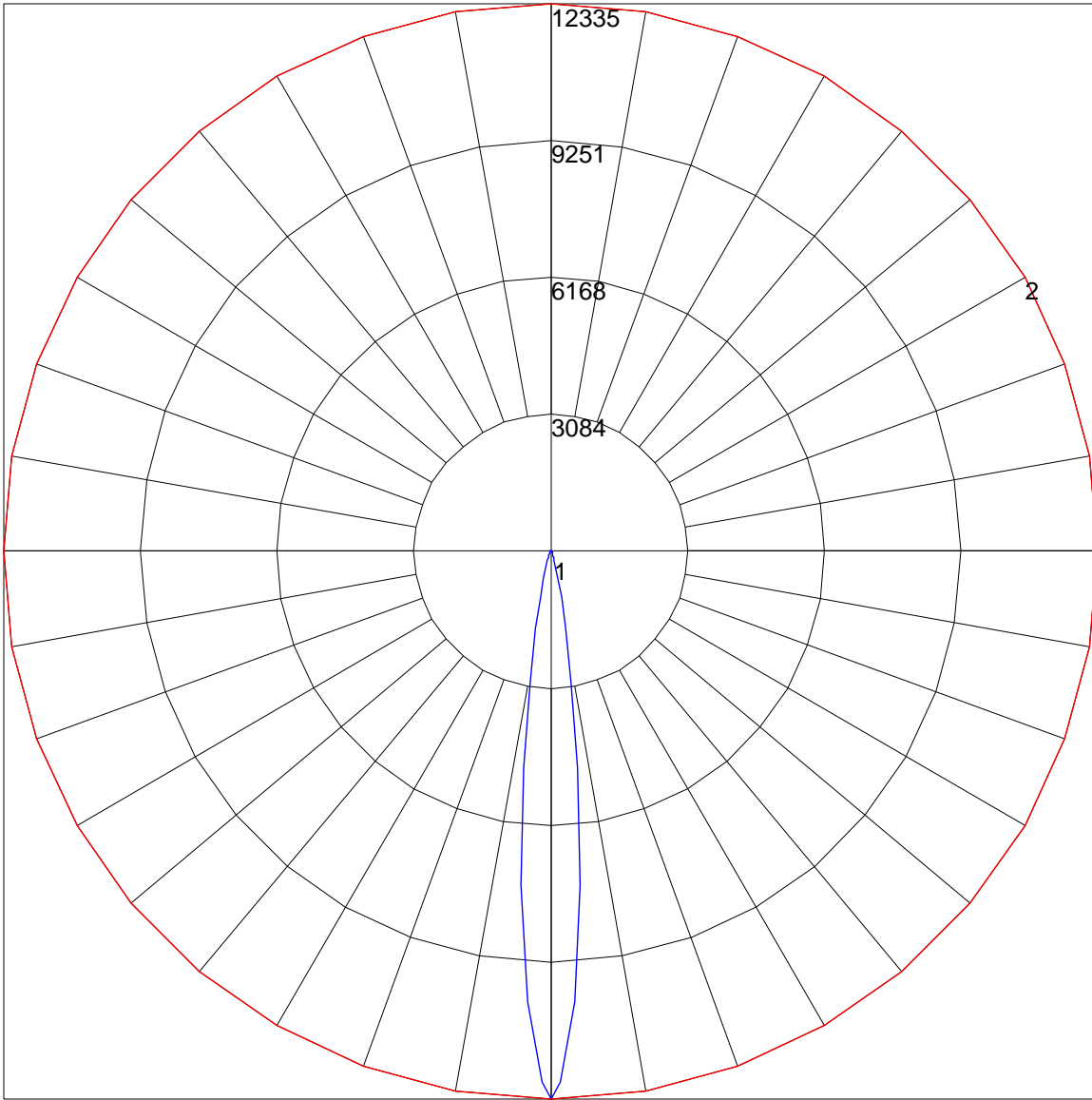
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	0
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96	0
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92	0
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	95	93	91	90	0
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	0
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	85	0
6	99	93	89	87	98	93	89	86	91	88	86	90	87	85	89	87	85	84	0
7	97	91	87	84	96	90	87	84	89	86	84	88	86	83	87	85	83	82	0
8	95	89	85	82	94	88	85	82	88	84	82	87	84	82	86	83	81	81	0
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	0
10	91	85	82	79	91	85	82	79	84	81	79	84	81	79	83	81	79	78	0

POLAR GRAPH



Maximum Candela = 12335 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.)