LIGHT LABORATORY INC.
1539 W. Orange Grove Ave.
Building B
Orange, CA 92868
Tel. 877 888-6780 / Fax. 714 288-1481
www.lightlaboratory.com

IES SUSTAINING MEMBER

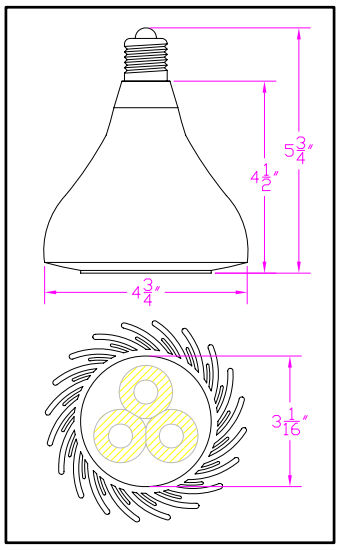
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI060807A.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0608-07A
[TESTLAB] LIGHT LABORATORY INC.
[ISSUEDATE] 6/23/2008
[MANUFAC] LIGHTING SCIENCE GROUP.
[LUMCAT] R38W
[LUMINAIRE] 4-3/4"DIA. X 4-1/2"H. R38 TYPE LED LUMINAIRE.
[MORE] 3 WARM WHITE LEDS WITH OPTICS
[LAMPPOSITION] 0,0
[LAMPCAT] WARM WHITE LED
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 15.03W

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	N.A.
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.48
Spacing Criteria (90-270)	0.48
Spacing Criteria (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.26 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	7304	7304	7304
55	6003	6003	6003
65	5751	5751	5751
75	5478	5478	5478
85	9296	9296	9296

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CANDELA TABULATION

	0
0.0	2067
1.0	2021
3.0	1897
5.0	1800
7.0	1681
9.0	1512
11.0	1333
13.0	1138
15.0	915
17.0	714
19.5	523
22.5	361
25.5	244
29.0	153
33.0	88
37.5	49
42.5	29
47.5	22
55.0	17
65.0	12
75.0	7
85.0	4
90.0	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	528.62	N.A.	82.3
0-40	575.35	N.A.	89.5
0-60	611.47	N.A.	95.2
0-90	642.57	N.A.	100
90-120	0	N.A.	0
90-130	0	N.A.	0
90-150	0	N.A.	0
90-180	0	N.A.	0
0-180	642.57	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.86
10-20	267.31
20-30	127.46
30-40	46.72
40-50	23.62
50-60	12.5
60-70	13.75
70-80	9.78
80-90	7.58
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

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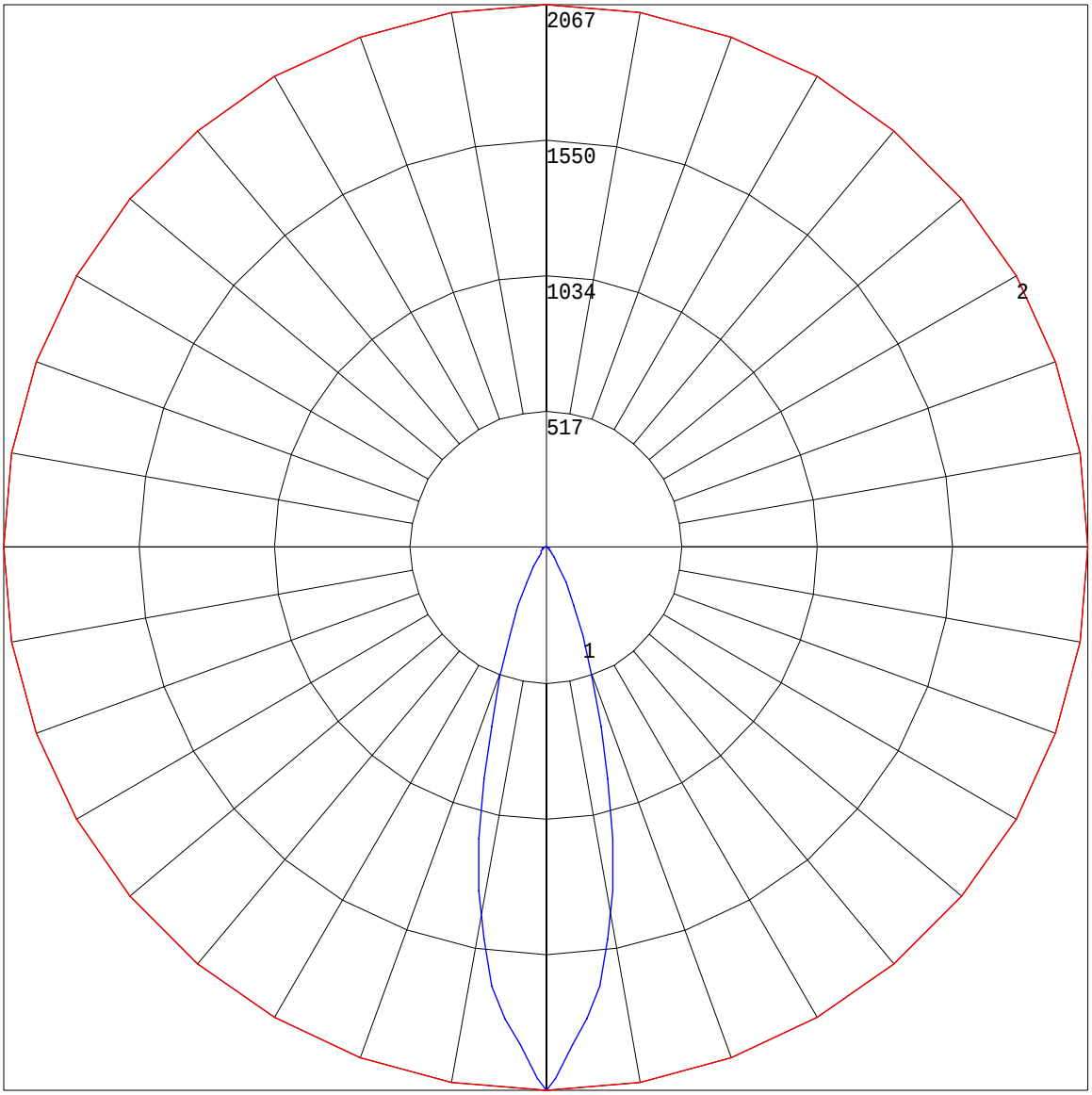
POLAR GRAPH



Maximum Candela = 2067 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.)