

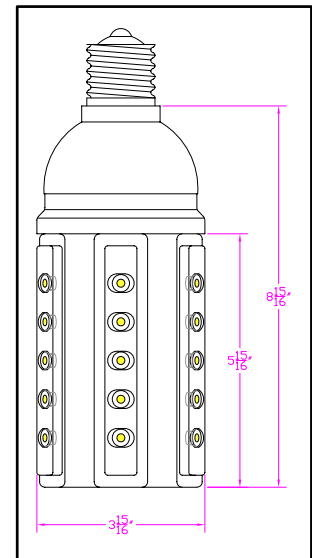
**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLI070907A.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0709-07A
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 7/22/2009
 [MANUFAC] NASUN GROUP USA INC.
 [LUMCAT] E40 360D
 [LUMINAIRE] 4-1/4"DIA. X 8-15/16"H. MOGUL BASE LED FIXTURE
 [MORE] 6 LED MODULES, EACH MODULE HAS 5 COOL WHITE LEDS W/MAG LENS
 [LAMPPOSITION] 0,90
 [LAMP] COOL WHITE LED
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 240VAC, 36.64W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Total Rated Lamp Lumens	N.A. (absolute photometry)
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	N.A.
Total Luminaire Watts	37
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criteria (0-180)	N.A.
Spacing Criteria (90-270)	N.A.
Spacing Criteria (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.35 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.50 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14422	11152	14292
55	16285	10951	11544
65	18054	11008	11562
75	19602	12472	15569
85	21330	13746	19420

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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	34	34	34	34	34
5	47	46	46	46	45
15	77	74	75	78	73
25	125	132	135	131	131
35	185	223	215	201	224
45	266	278	261	268	273
55	305	245	268	302	225
65	333	243	273	325	223
75	345	281	304	338	288
85	346	315	319	349	333
90	342	313	316	347	333
95	342	302	311	341	323
105	341	265	287	323	254
115	318	230	257	313	212
125	272	243	264	288	240
135	234	259	251	242	263
145	157	190	188	167	185
155	104	104	102	101	96
165	56	54	54	55	55
175	4	4	4	4	4
180	4	4	4	4	4

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ZONAL LUMEN SUMMARY

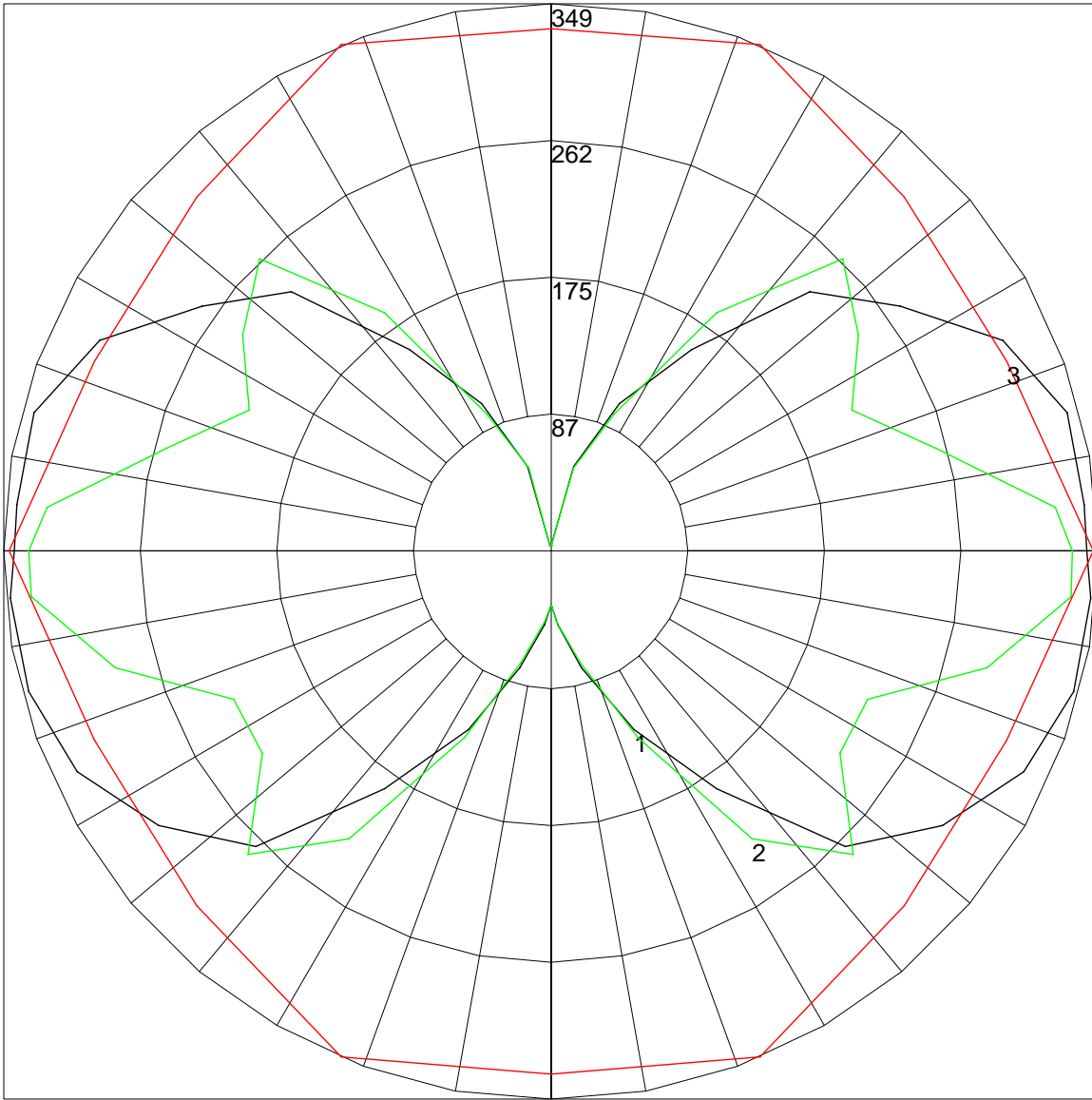
Zone	Lumens	%Lamp	%Fixt
0-30	51.28	N.A.	1.6
0-40	145.03	N.A.	4.6
0-60	540.15	N.A.	17.1
0-90	1630.14	N.A.	51.6
90-120	797.36	N.A.	25.3
90-130	1048.23	N.A.	33.2
90-150	1414.44	N.A.	44.8
90-180	1526.27	N.A.	48.4
0-180	3156.41	N.A.	100

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	.96
10-20	11.55
20-30	38.77
30-40	93.74
40-50	168.96
50-60	226.16
60-70	260.72
70-80	303.42
80-90	525.86
90-100	177.98
100-110	331.53
110-120	287.85
120-130	250.88
130-140	215.15
140-150	151.05
150-160	76.87
160-170	29.29
170-180	5.67

POLAR GRAPH



Maximum Candela = 349 Located At Horizontal Angle = 67.5, Vertical Angle = 85

1 - Vertical Plane Through Horizontal Angles (0 - 180) : BLACK

2 - Vertical Plane Through Horizontal Angles (90 - 270) : GREEN

3 - Horizontal Cone Through Vertical Angle (85) (Through Max. Cd.) : RED