



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : IMAGE 45-47 SILVER LOUVERS.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 0807-07C  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 8/15/2007  
 [MANUFAC] KINO FLO, INC.  
 [LUMCAT] IMAGE 45/47 SILVER SQUARE LOUVERS  
 [LUMINAIRE] 48-3/4"L. X 14-3/8"W. X 6-1/4"H. STUDIO FIXTURE  
 [MORE] SPECULAR REFLECTOR  
 [MORE] SILVER SQUARE LOUVERS  
 [BALLASTCAT] KINOFLO IMAGE 45 DMX  
 [BALLAST] 120V 50/60Hz ELECTRONIC  
 [LAMPPOSITION] 0,90  
 [LAMPCAT] KINO FLO F75/T12/HO/800  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [\_LAMPLUM] 3290  
 [\_INPUT] 120VAC, 282.3W

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3340
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	282.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.20
Spacing Criteria (90-270)	1.16
Spacing Criteria (Diagonal)	1.18
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.12 ft
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	2050	2570	1826
55	33	105	188
65	28	244	443
75	37	556	872
85	110	1652	2313

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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>
<b>0</b>	2014	2014	2014	2014	2014
<b>5</b>	2133	2115	2046	1969	1935
<b>15</b>	2023	2024	1996	1925	1887
<b>25</b>	1782	1799	1757	1717	1682
<b>35</b>	1443	1453	1414	1397	1405
<b>45</b>	604	699	757	685	538
<b>55</b>	8	11	25	33	45
<b>65</b>	5	5	43	66	78
<b>75</b>	4	7	60	80	94
<b>85</b>	4	12	60	77	84
<b>90</b>	4	5	6	7	7
<b>95</b>	4	11	28	26	28
<b>105</b>	5	15	38	40	41
<b>115</b>	12	20	41	45	49
<b>125</b>	9	15	40	46	51
<b>135</b>	11	15	36	43	47
<b>145</b>	13	15	26	35	38
<b>155</b>	14	16	21	25	26
<b>165</b>	14	15	16	18	19
<b>175</b>	14	13	13	13	13
<b>180</b>	12	12	12	12	12

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Zone	Lumens	%Lamp	%Fixt
0-30	1128.28	N.A.	33.80
0-40	1997.14	N.A.	59.80
0-60	3030.77	N.A.	90.70
0-90	3173.02	N.A.	95.00
90-120	66.20	N.A.	2.00
90-130	97.91	N.A.	2.90
90-150	144.31	N.A.	4.30
90-180	166.88	N.A.	5.00
0-180	3339.9	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.48
10-20	381.89
20-30	697.91
30-40	868.86
40-50	739.20
50-60	294.44
60-70	29.76
70-80	45.22
80-90	67.27
90-100	7.15
100-110	26.56
110-120	32.48
120-130	31.72
130-140	26.64
140-150	19.76
150-160	12.56
160-170	6.91
170-180	3.11

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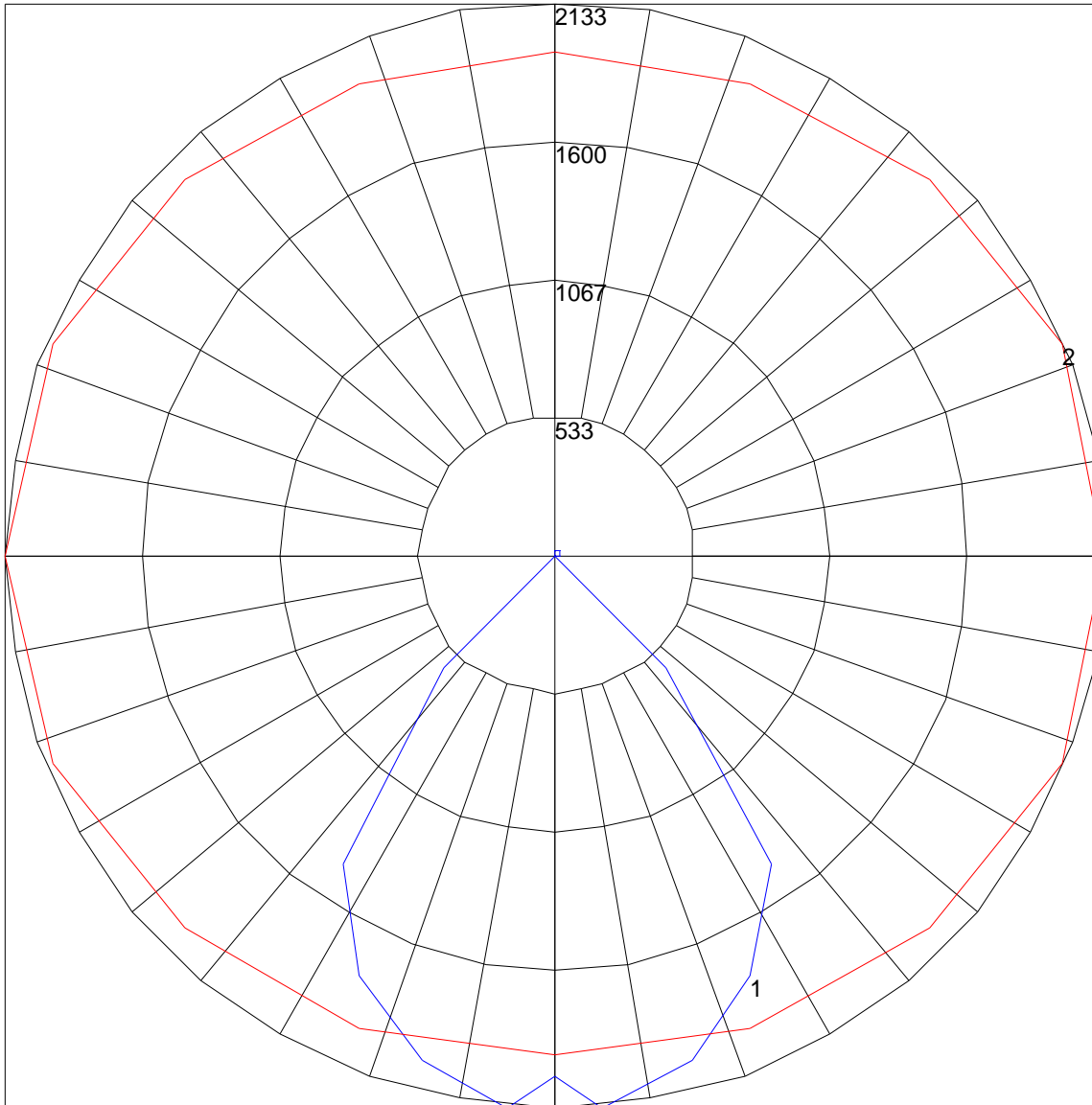
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	110	106	102	99	107	103	100	97	98	95	93	93	91	89	89	87	86	84
2	102	95	90	85	99	93	88	83	89	84	81	85	81	78	81	78	76	74
3	94	86	79	73	92	84	77	72	80	75	71	77	72	69	74	70	67	65
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	67	63	59	57
5	81	70	62	56	79	68	61	56	66	60	55	63	58	54	61	57	53	51
6	75	63	55	50	73	62	55	49	60	53	49	58	52	48	56	51	47	45
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40
8	65	53	45	39	63	52	44	39	50	43	39	48	43	38	47	42	38	36
9	61	48	41	35	59	47	40	35	46	39	35	45	39	34	43	38	34	32
10	57	44	37	32	55	44	37	32	42	36	31	41	35	31	40	35	31	29

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**POLAR GRAPH**



Maximum Candela = 2133 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)