



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : IMAGE 45-47 OPEN FACE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 0807-07A  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 8/15/2007  
 [MANUFAC] KINO FLO, INC.  
 [LUMCAT] IMAGE 45/47 OPEN FACE  
 [LUMINAIRE] 48-3/4"L. X 14-3/8"W. X 6-1/4"H. STUDIO FIXTURE  
 [MORE] SPECULAR REFLECTOR  
 [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, 287.5W

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6581
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	23
Total Luminaire Watts	287.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.26
Spacing Criteria (Diagonal)	1.42
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	5398	5364	5224
55	4926	5139	4922
65	4067	4618	3976
75	2615	2996	2374
85	689	1570	2424

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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>	2278	2278	2278	2278	2278
<b>5</b>	2429	2414	2338	2247	2210
<b>15</b>	2357	2356	2302	2217	2182
<b>25</b>	2176	2180	2125	2034	2003
<b>35</b>	1918	1917	1845	1826	1826
<b>45</b>	1590	1570	1580	1560	1539
<b>55</b>	1177	1174	1228	1194	1176
<b>65</b>	716	779	813	736	700
<b>75</b>	282	359	323	272	256
<b>85</b>	25	39	57	82	88
<b>90</b>	9	10	10	10	10
<b>95</b>	8	11	12	13	16
<b>105</b>	9	15	17	19	19
<b>115</b>	12	20	23	24	24
<b>125</b>	13	16	28	29	29
<b>135</b>	14	16	28	32	33
<b>145</b>	16	17	21	28	29
<b>155</b>	17	18	20	21	22
<b>165</b>	17	17	18	18	18
<b>175</b>	16	16	16	16	16
<b>180</b>	15	15	15	15	15



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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1316.84	N.A.	20.00
0-40	2404.44	N.A.	36.50
0-60	4771.63	N.A.	72.50
0-90	6460.59	N.A.	98.20
90-120	40.52	N.A.	0.60
90-130	61.74	N.A.	0.90
90-150	98.58	N.A.	1.50
90-180	120.56	N.A.	1.80
0-180	6581.15	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	55.08
10-20	438.92
20-30	822.84
30-40	1087.6
40-50	1208.64
50-60	1158.55
60-70	925.79
70-80	547.91
80-90	215.26
90-100	5.99
100-110	15.24
110-120	19.30
120-130	21.22
130-140	20.29
140-150	16.54
150-160	11.43
160-170	6.98
170-180	3.57

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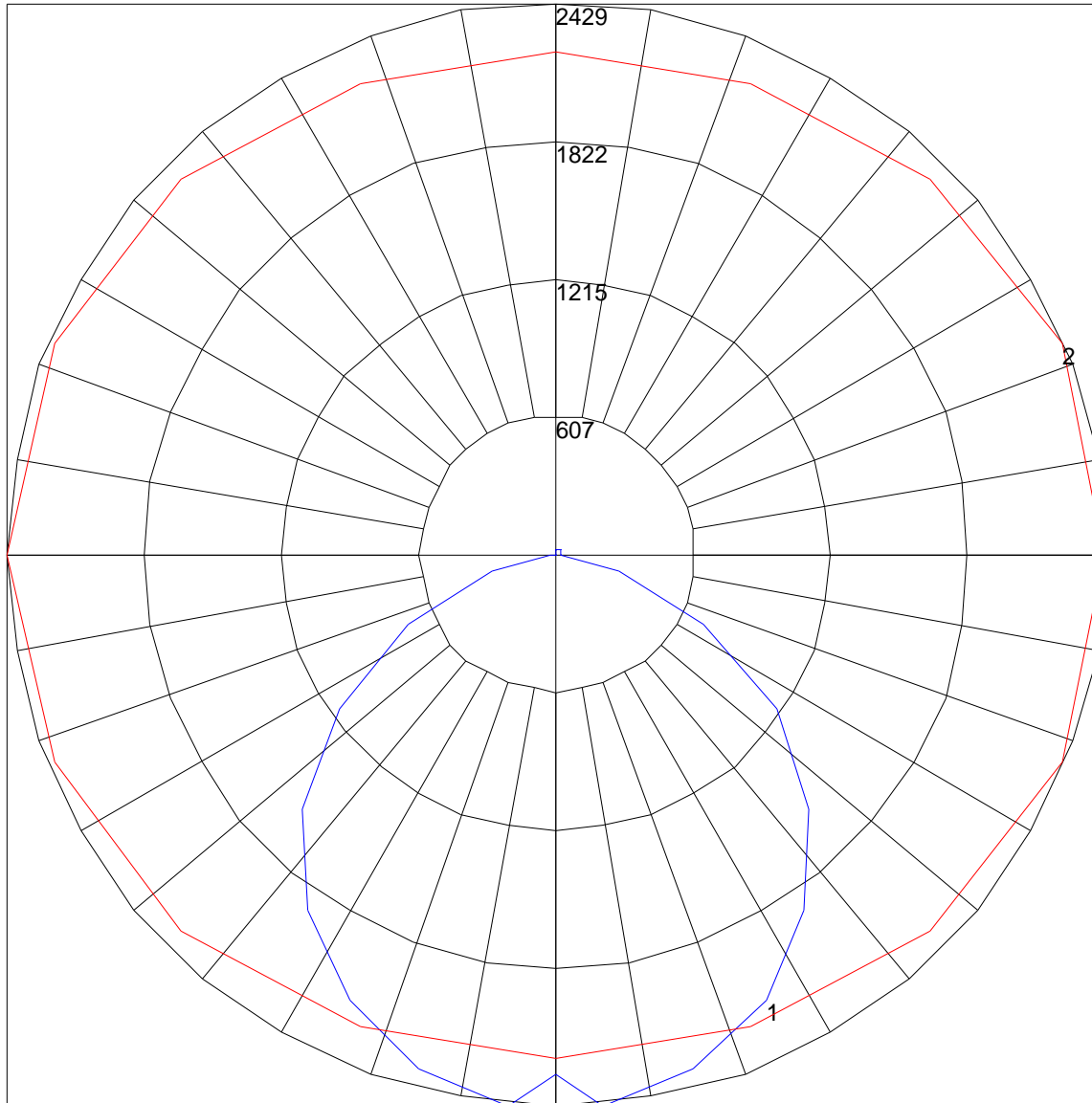
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	110	110	110	105	105	105	100	100	100	98
1	107	102	97	93	104	99	95	91	95	91	88	90	87	85	86	84	82	79
2	96	87	80	74	93	85	78	73	81	76	71	78	73	69	74	70	67	64
3	87	76	67	60	84	74	66	59	71	64	58	68	62	56	65	60	55	53
4	79	66	57	50	77	65	56	49	62	54	48	59	53	47	57	51	46	44
5	72	58	49	42	70	57	48	41	55	47	41	53	46	40	50	44	39	37
6	66	52	43	36	64	51	42	35	49	41	35	47	40	34	45	39	34	32
7	61	47	37	31	59	46	37	31	44	36	30	42	35	30	41	34	30	27
8	57	42	33	27	55	41	33	27	40	32	27	38	31	26	37	31	26	24
9	53	38	30	24	51	38	29	24	36	29	23	35	28	23	34	28	23	21
10	49	35	27	21	48	34	27	21	33	26	21	32	26	21	31	25	21	19

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**POLAR GRAPH**



Maximum Candela = 2429 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.)