

# Photometric Test Report

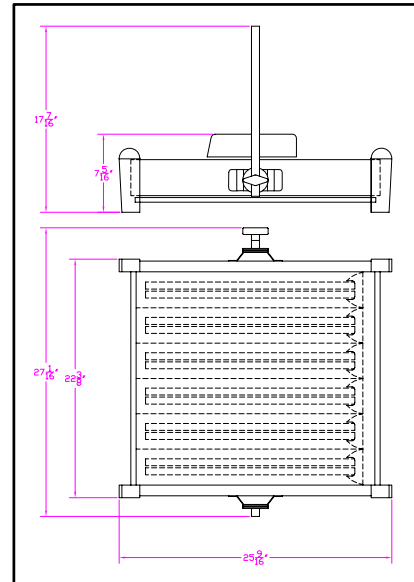
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L01120104.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L01120104  
[TESTLAB] LIGHT LABORATORY, INC.  
[ISSUEDATE] 1/12/2011  
[MANUFAC] KINOFLO  
[LUMCAT] **IMARA S6**  
[LUMINAIRE] 25-9/16"L. X 22-9/16"W. X 7-5/16"H. IMARA S6 FIXTURE  
[MORE] SIX 55W COMPACT FLUORESCENT LAMPS, SPECULAR REFLECTOR  
[MORE] **OPEN FACE WITHOUT LOUVER**  
[BALLASTCAT] N.A  
[BALLAST] 120V 60Hz ELECTRONIC  
[LAMPPOSITION] 90,180  
[LAMPCAT] **KINOFLO TRUE MATCH 55C-K55**  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
[\_INPUT] 120VAC, 312.79W

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7681
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	25
Total Luminaire Watts	312.79
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.77 ft
Luminous Width (90-270)	1.67 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	12703	10666	5819
55	11265	5207	647
65	9400	508	448
75	5496	618	618
85	2087	1544	1544

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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>	4244	4244	4244	4244	4244
<b>5</b>	4220	4217	4198	4173	4161
<b>10</b>	4146	4120	4063	4064	4059
<b>15</b>	4011	3953	3929	3887	3872
<b>20</b>	3803	3728	3684	3646	3641
<b>25</b>	3580	3511	3429	3356	3314
<b>30</b>	3339	3248	3130	3062	3002
<b>35</b>	3073	2946	2804	2669	2624
<b>40</b>	2781	2632	2447	2291	2113
<b>45</b>	2469	2293	2073	1507	1131
<b>50</b>	2131	1922	1588	638	413
<b>55</b>	1776	1566	821	172	102
<b>60</b>	1456	1219	302	56	53
<b>65</b>	1092	855	59	52	52
<b>70</b>	732	338	49	47	47
<b>75</b>	391	58	44	44	44
<b>80</b>	130	46	41	41	42
<b>85</b>	50	43	37	37	37
<b>90</b>	46	37	33	33	34

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	3082.46	N.A.	40.10
0-40	4840.96	N.A.	63.00
0-60	7133.6	N.A.	92.90
0-90	7680.67	N.A.	100.00
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
0-180	7680.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	397.15
10-20	1103.66
20-30	1581.65
30-40	1758.5
40-50	1471.01
50-60	821.64
60-70	384.66
70-80	116.20
80-90	46.22
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

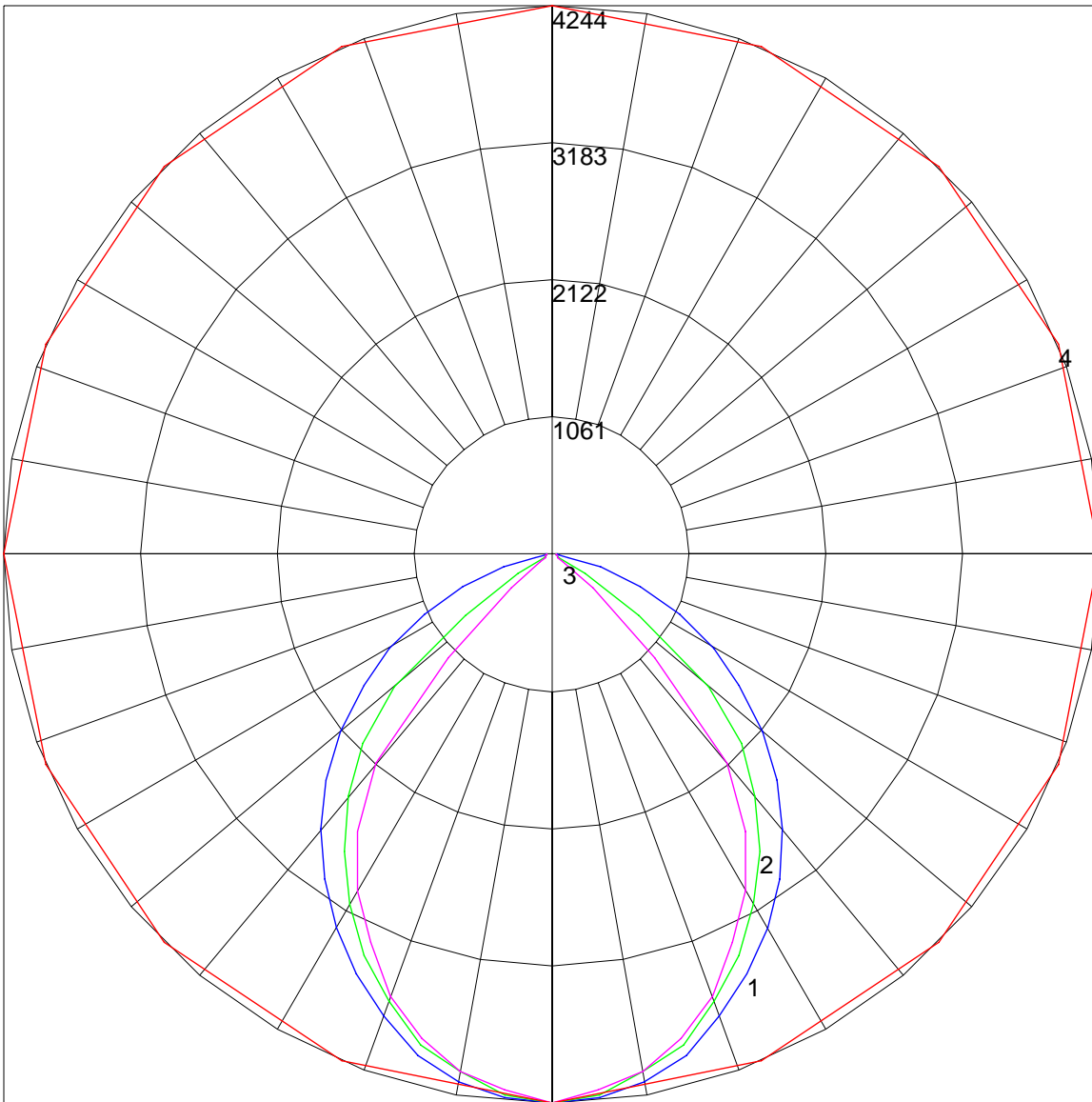
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89
2	103	97	91	87	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78	78
3	96	87	81	75	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69
4	89	79	72	66	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61	61
5	83	72	64	58	58	81	71	63	58	69	62	58	67	61	57	65	60	56	55	55
6	77	66	58	52	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49
7	72	60	52	47	47	70	59	52	47	58	51	46	57	51	46	55	50	46	44	44
8	67	55	48	43	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40
9	63	51	44	39	39	62	51	44	39	50	43	38	49	43	38	48	42	38	37	37
10	60	48	40	36	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33	33

POLAR GRAPH



Maximum Candela = 4244 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE  
# 2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN  
# 3 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA  
# 4 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.) : RED