

## Photometric Test Report

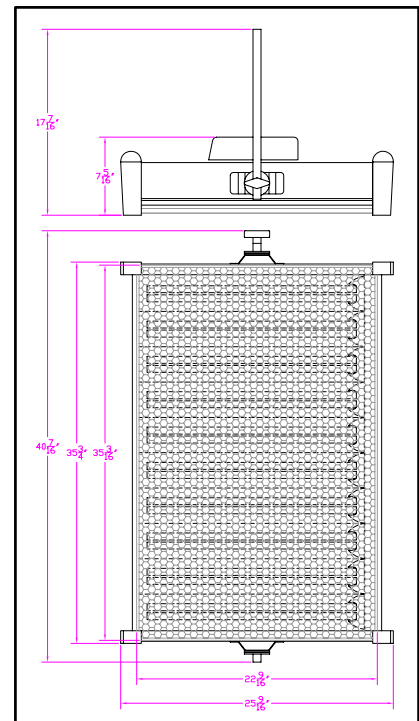
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L01120103.IES**

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L01120103  
[TESTLAB] LIGHT LABORATORY, INC.  
[ISSUEDATE] 1/12/2011  
[MANUFAC] KINOFLO  
[LUMCAT] **IMARA S10 90 DEGREE**  
[LUMINAIRE] 25-9/16"L. X 35-3/4"W. X 7-5/16"H. IMARA S10 FIXTURE  
[MORE] TEN 55W COMPACT FLUORESCENT LAMPS, SPECULAR REFLECTOR  
[MORE] WITH 90 DEGREE 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, 527.01W

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5028
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	10
Total Luminaire Watts	527.01
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	2.93 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	1646	566	560
55	296	323	310
65	397	249	236
75	867	294	287
85	941	784	762

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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>	7582	7582	7582	7582	7582
<b>5</b>	7099	7072	6973	6843	6786
<b>10</b>	6365	6308	6143	5860	5735
<b>15</b>	5503	5413	5251	4871	4717
<b>20</b>	4586	4494	4319	3875	3712
<b>25</b>	3634	3565	3342	2886	2746
<b>30</b>	2713	2661	2364	1962	1865
<b>35</b>	1879	1799	1431	1159	1142
<b>40</b>	1159	1020	644	533	528
<b>45</b>	596	375	205	206	203
<b>50</b>	231	117	132	132	134
<b>55</b>	87	93	95	93	91
<b>60</b>	87	79	72	70	66
<b>65</b>	86	71	54	54	51
<b>70</b>	103	60	45	44	43
<b>75</b>	115	42	39	38	38
<b>80</b>	103	37	36	35	35
<b>85</b>	42	37	35	34	34
<b>90</b>	40	38	35	33	32

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	3566.39	N.A.	70.90
0-40	4497.96	N.A.	89.50
0-60	4871.24	N.A.	96.90
0-90	5027.67	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	5027.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	640.58
10-20	1439.69
20-30	1486.12
30-40	931.57
40-50	283.97
50-60	89.32
60-70	62.84
70-80	52.20
80-90	41.38
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

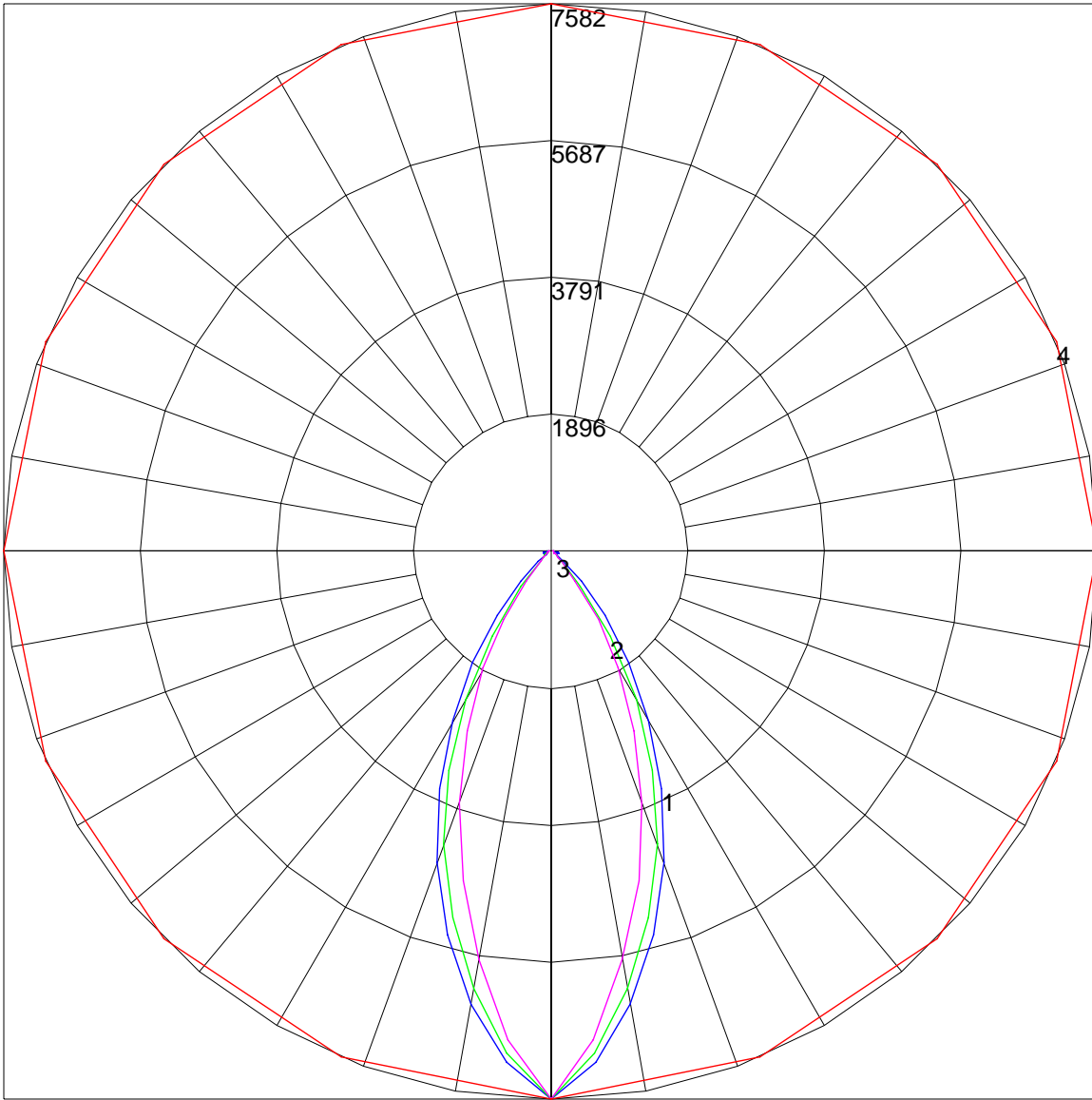
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51

POLAR GRAPH



Maximum Candela = 7582 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