



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : PARABEAM 400-410 OPEN FACE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LLI 0307-04F  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUE DATE] 3/14/2007  
[MANUFAC] KINO FLO, INC.  
[LUMCAT] PARABEAM 400/410 OPEN FACE  
[LUMINAIRE] 24-1/2"L. X 24"W. X 6"H. STUDIO FIXTURE  
[MORE] SPECULAR REFLECTOR  
[BALLASTCAT] SYLVANIA QT2X54/120PHO-DIM  
[BALLAST] 120V 60Hz ELECTRONIC  
[LAMPPOSITION] 180,90  
[LAMPCAT] KINO FLO TRUE MATCH 55C-K29  
[\_LAMPLUM] 2800  
[\_INPUT] 120VAC, 225.2W

**CHARACTERISTICS**

Lumens Per Lamp	2800 (4 lamps)
Total Lamp Lumens	11200
Luminaire Lumens	9488
Total Luminaire Efficiency	85 %
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	225.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.20
Spacing Criteria (90-270)	0.68
Spacing Criteria (Diagonal)	0.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.83 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	17487	7365	6945
55	15744	6365	3771
65	13143	3055	777
75	8478	242	229
85	897	610	646

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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>	6637	6637	6637	6637	6637
<b>5</b>	6701	6688	6677	6667	6662
<b>15</b>	6416	6299	5583	4766	4438
<b>25</b>	5682	5194	3384	2848	2754
<b>35</b>	4887	3661	2302	2078	2056
<b>45</b>	3956	2188	1666	1607	1571
<b>55</b>	2889	1370	1168	824	692
<b>65</b>	1777	791	413	165	105
<b>75</b>	702	374	20	20	19
<b>85</b>	25	15	17	18	18
<b>90</b>	13	13	14	13	12



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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	3085.19	27.50	32.50
0-40	4944.1	44.10	52.10
0-60	8083.87	72.20	85.20
0-90	9488.00	84.70	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	9488.00	84.70	100.00

Total Luminaire Efficiency = 84.70%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	159.18
10-20	1159.85
20-30	1766.15
30-40	1858.92
40-50	1736.86
50-60	1402.91
60-70	884.77
70-80	396.81
80-90	122.55
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**

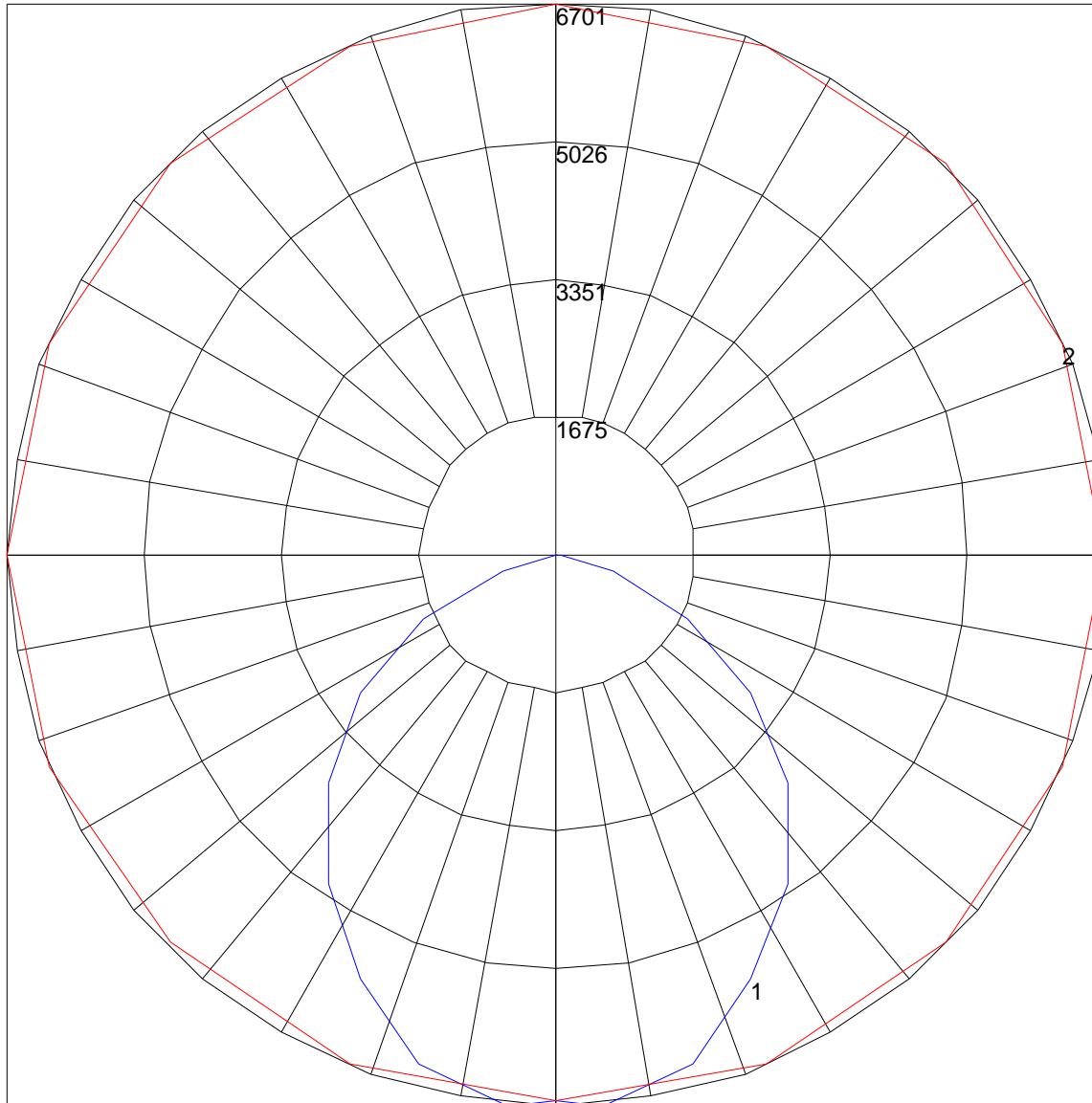
Effective Floor Cavity Reflectance 0.20

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	101	101	101	101	99	99	99	99	94	94	94	90	90	90	86	86	86	85
1	93	89	86	83	91	87	84	82	84	81	79	81	79	77	78	76	74	73
2	85	79	73	69	83	77	72	68	74	70	67	72	68	65	69	66	64	62
3	78	70	63	58	76	69	63	58	66	61	57	64	59	56	62	58	55	53
4	72	62	55	50	70	61	55	50	59	53	49	57	52	48	55	51	48	46
5	66	56	49	43	65	55	48	43	53	47	43	52	46	42	50	45	42	40
6	61	50	43	38	60	50	43	38	48	42	38	47	41	37	45	41	37	35
7	57	46	39	34	55	45	38	34	44	38	33	43	37	33	42	37	33	31
8	53	42	35	30	52	41	35	30	40	34	30	39	34	30	38	33	29	28
9	49	38	32	27	48	38	31	27	37	31	27	36	31	27	35	30	27	25
10	46	35	29	25	45	35	29	24	34	28	24	33	28	24	33	28	24	23

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**POLAR GRAPH**



Maximum Candela = 6701 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.)