



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PARABEAM 400-410 90 DEGREE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0307-04H
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 3/14/2007
[MANUFAC] KINO FLO, INC.
[LUMCAT] PARABEAM 400/410 90 DEGREE
[LUMINAIRE] 24-1/2"L. X 24"W. X 6"H. STUDIO FIXTURE
[MORE] SPECULAR REFLECTOR
[MORE] WITH 90 DEGREE SPOT HEXCEL LOUVERS
[BALLASTCAT] SYLVANIA QT2X54/120PHO-DIM
[BALLAST] 120V 60Hz ELECTRONIC
[LAMPPOSITION] 180,90
[LAMPCAT] KINO FLO TRUE MATCH 55C-K29
[_LAMPLUM] 2800
[_INPUT] 120VAC, 221.3W

CHARACTERISTICS

Lumens Per Lamp	2800 (4 lamps)
Total Lamp Lumens	11200
Luminaire Lumens	3378
Total Luminaire Efficiency	30 %
Luminaire Efficacy Rating (LER)	15
Total Luminaire Watts	221.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.70
Spacing Criteria (90-270)	0.50
Spacing Criteria (Diagonal)	0.64
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	1600	592	628
55	425	272	196
65	555	207	104
75	906	85	85
85	646	179	179

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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>
0	6134	6134	6134	6134	6134
5	5762	5755	5743	5698	5664
15	4352	4261	3856	3267	3021
25	2677	2497	1713	1438	1393
35	1263	1004	662	597	617
45	362	168	134	148	142
55	78	51	50	44	36
65	75	38	28	15	14
75	75	31	7	7	7
85	18	5	5	5	5
90	5	5	5	4	4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2110.1	18.80	62.50
0-40	2855.26	25.50	84.50
0-60	3293.71	29.40	97.50
0-90	3378.00	30.20	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	3378.00	30.20	100.00

Total Luminaire Efficiency = 30.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.80
10-20	902.89
20-30	1065.41
30-40	745.17
40-50	343.64
50-60	94.81
60-70	38.83
70-80	27.21
80-90	18.25
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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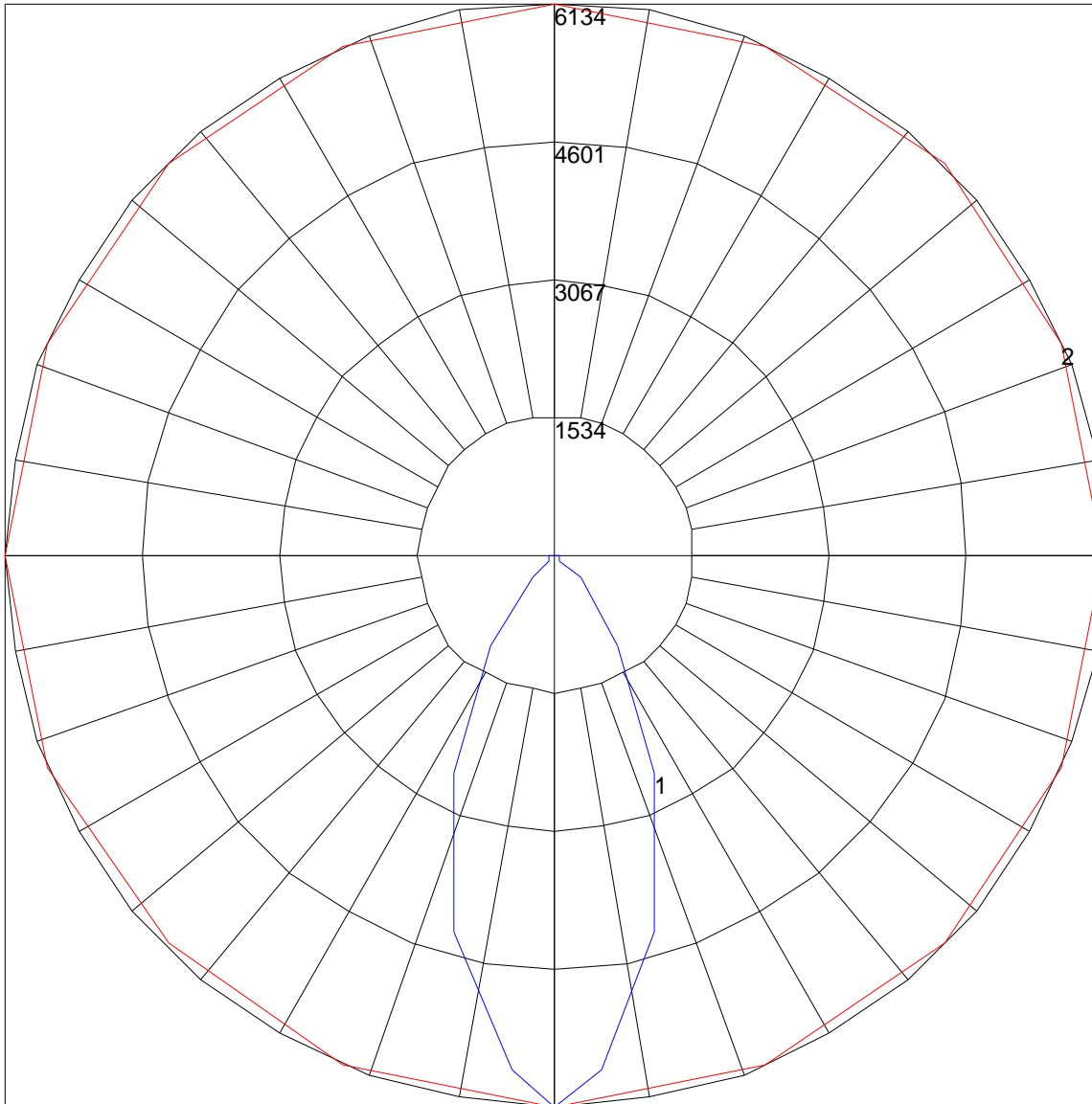
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	36	36	36	36	35	35	35	35	34	34	34	32	32	32	31	31	31	30
1	34	33	32	31	33	32	32	31	31	31	30	30	30	29	29	29	28	28
2	32	30	29	28	31	30	29	28	29	28	27	28	27	26	27	26	26	25
3	30	28	26	25	30	28	26	25	27	26	24	26	25	24	25	24	24	23
4	28	26	24	23	28	26	24	23	25	23	22	24	23	22	24	23	22	21
5	27	24	22	21	26	24	22	21	23	22	20	23	21	20	22	21	20	20
6	25	22	20	19	25	22	20	19	22	20	19	21	20	19	21	19	18	18
7	24	21	19	17	23	21	19	17	20	19	17	20	18	17	19	18	17	17
8	23	19	17	16	22	19	17	16	19	17	16	19	17	16	18	17	16	15
9	21	18	16	15	21	18	16	15	18	16	15	17	16	15	17	16	15	14
10	20	17	15	14	20	17	15	14	17	15	14	16	15	14	16	15	14	13

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POLAR GRAPH



Maximum Candela = 6134 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)