



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PARABEAM 400-410 60 DEGREE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0307-04J
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 3/14/2007
[MANUFAC] KINO FLO, INC.
[LUMCAT] PARABEAM 400/410 60 DEGREE
[LUMINAIRE] 24-1/2"L. X 24"W. X 6"H. STUDIO FIXTURE
[MORE] SPECULAR REFLECTOR
[MORE] WITH 60 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, 218.9W

CHARACTERISTICS

Lumens Per Lamp	2800 (4 lamps)
Total Lamp Lumens	11200
Luminaire Lumens	1606
Total Luminaire Efficiency	14 %
Luminaire Efficacy Rating (LER)	7
Total Luminaire Watts	218.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.50
Spacing Criteria (90-270)	0.38
Spacing Criteria (Diagonal)	0.48
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	128	141	124
55	229	87	71
65	392	81	44
75	785	48	48
85	574	108	72

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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	5607	5607	5607	5607	5607
5	4914	4891	4816	4678	4601
15	2856	2768	2338	1812	1640
25	983	865	421	304	290
35	92	55	68	69	64
45	29	27	32	31	28
55	42	25	16	13	13
65	53	25	11	6	6
75	65	24	4	4	4
85	16	3	3	2	2
90	3	3	3	2	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1330.66	11.90	82.90
0-40	1501.55	13.40	93.50
0-60	1556.72	13.90	96.90
0-90	1605.75	14.30	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	1605.75	14.30	100.00

Total Luminaire Efficiency = 14.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.24
10-20	672.98
20-30	533.44
30-40	170.89
40-50	34.19
50-60	20.97
60-70	18.14
70-80	17.75
80-90	13.14
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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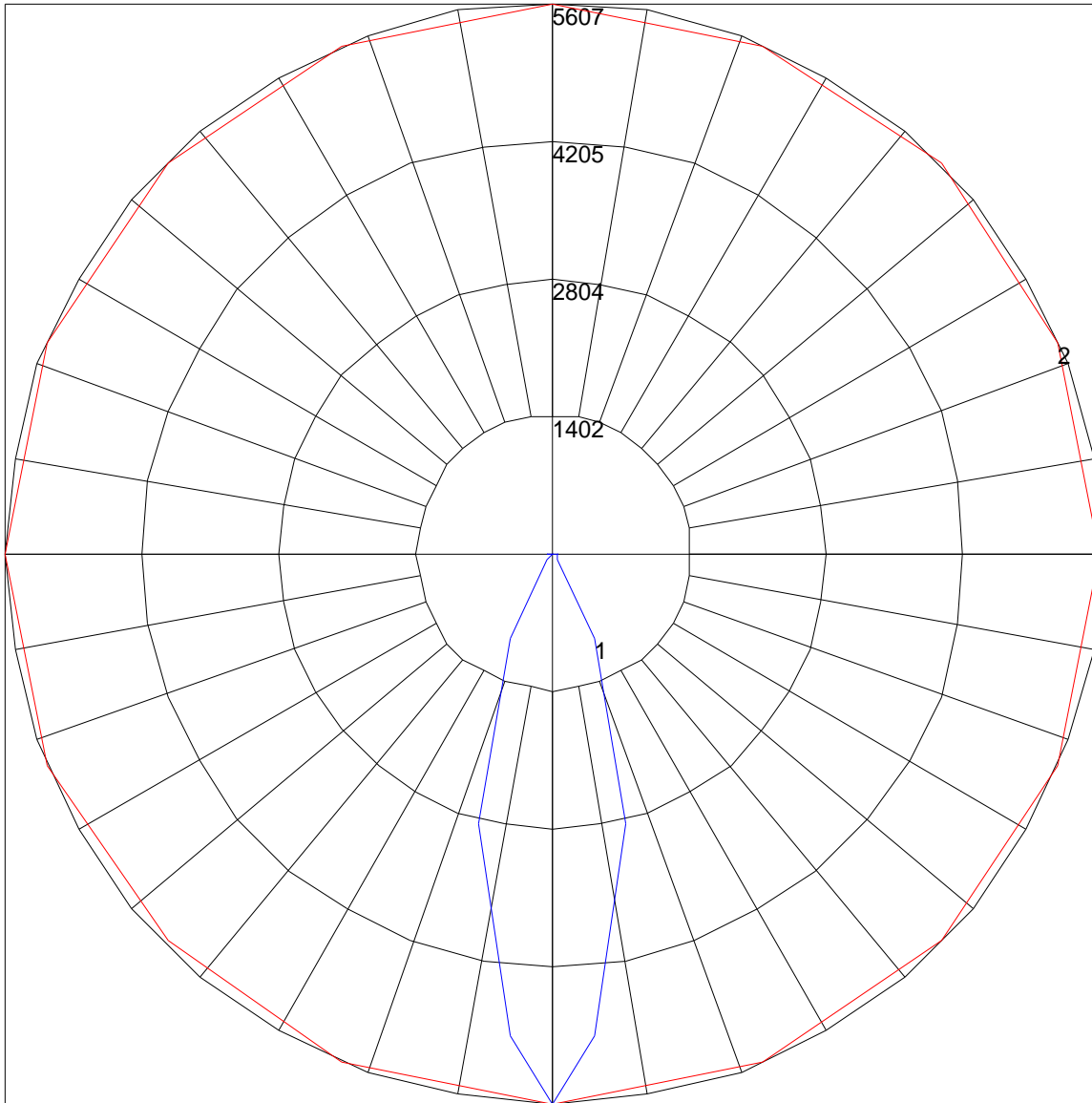
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	17	17	17	17	17	17	17	17	16	16	16	15	15	15	15	15	15	14
1	16	16	15	15	16	16	15	15	15	15	14	14	14	14	14	14	14	13
2	15	15	14	14	15	15	14	14	14	14	13	14	13	13	13	13	13	12
3	15	14	13	13	14	14	13	12	13	13	12	13	12	12	13	12	12	12
4	14	13	12	12	14	13	12	12	13	12	11	12	12	11	12	12	11	11
5	13	12	11	11	13	12	11	11	12	11	11	12	11	11	11	11	11	10
6	13	12	11	10	13	11	11	10	11	11	10	11	10	10	11	10	10	10
7	12	11	10	10	12	11	10	10	11	10	9	11	10	9	10	10	9	9
8	12	10	10	9	12	10	10	9	10	9	9	10	9	9	10	9	9	9
9	11	10	9	9	11	10	9	8	10	9	8	10	9	8	9	9	8	8
10	11	9	9	8	11	9	9	8	9	9	8	9	8	8	9	8	8	8

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POLAR GRAPH



Maximum Candela = 5607 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.)