



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PARABEAM 200-210 60 DEGREE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI 0307-04D
[TESTLAB] LIGHT LABORATORY INC
[ISSUE DATE] 3/14/2007
[MANUFAC] KINO FLO, INC.
[LUMCAT] PARABEAM 200/210 60 DEGREE
[LUMINAIRE] 24-1/2"L. X 13-1/2"W. X 5-3/4"H. STUDIO FIXTURE
[MORE] SPECULAR REFLECTOR
[MORE] 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, 108.0W

CHARACTERISTICS

Lumens Per Lamp	2800 (2 lamps)
Total Lamp Lumens	5600
Luminaire Lumens	799
Total Luminaire Efficiency	14 %
Luminaire Efficacy Rating (LER)	7
Total Luminaire Watts	108
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.44
Spacing Criteria (90-270)	0.42
Spacing Criteria (Diagonal)	0.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	0.96 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	169	126	76
55	218	73	42
65	310	85	28
75	506	46	23
85	479	137	68

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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	2919	2919	2919	2919	2919
5	2416	2442	2477	2490	2485
15	1166	1178	1237	1094	1031
25	251	238	224	287	303
35	34	34	32	28	44
45	20	16	15	12	9
55	21	12	7	5	4
65	22	12	6	3	2
75	22	9	2	2	1
85	7	2	2	1	1
90	2	2	1	1	1

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Zone	Lumens	%Lamp	%Fixt
0-30	672.07	12.00	84.10
0-40	751.41	13.40	94.00
0-60	778.03	13.90	97.40
0-90	799.18	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	799.18	14.30	100.00

Total Luminaire Efficiency = 14.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.36
10-20	343.93
20-30	263.78
30-40	79.34
40-50	16.76
50-60	9.86
60-70	8.24
70-80	7.40
80-90	5.51
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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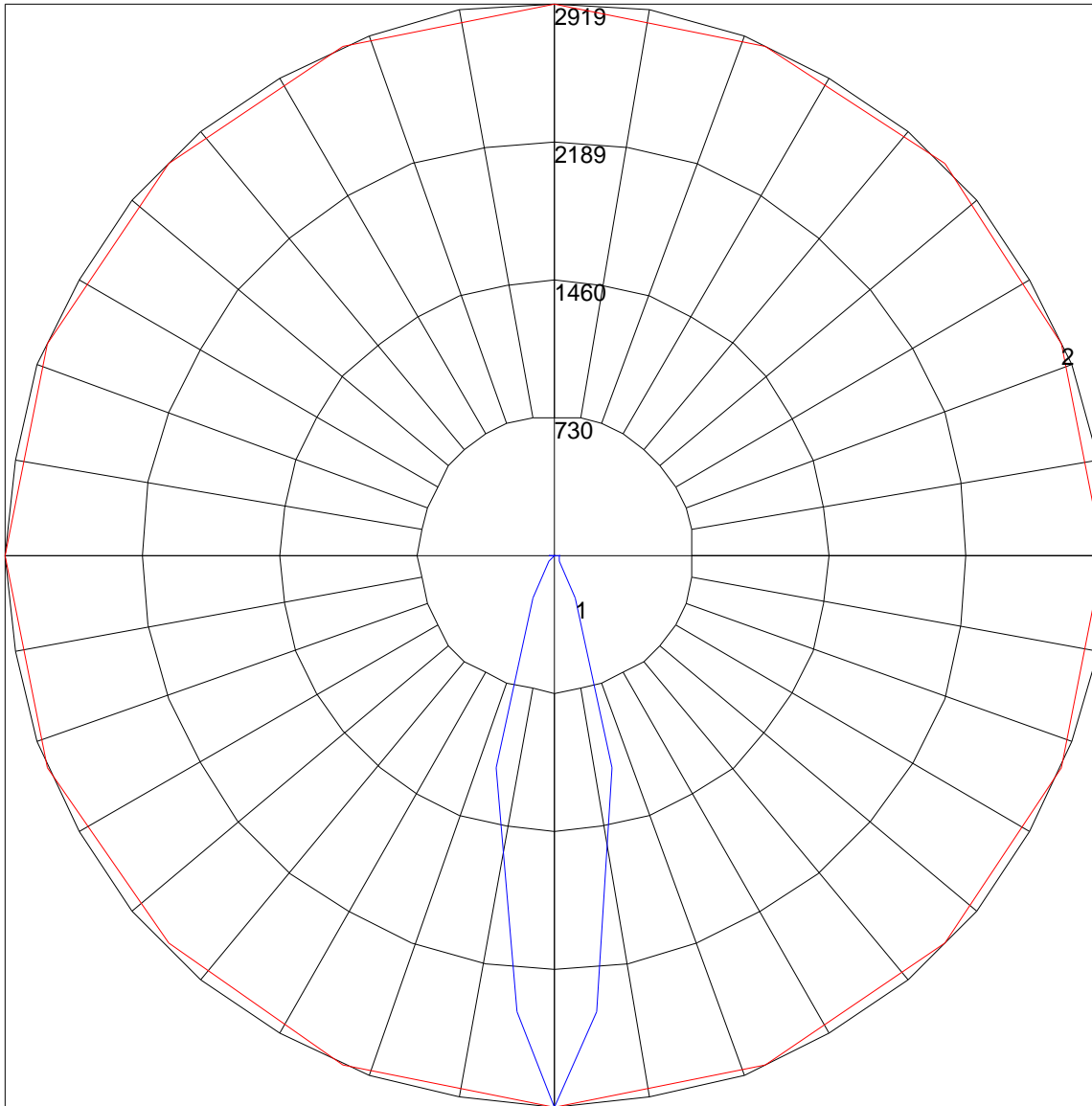
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	15	15	15	15	15	14	14	14	14	14	14	14	13
2	15	15	14	14	15	14	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	10	11	10	9	10	10	9	9
8	12	10	10	9	12	10	10	9	10	10	9	10	9	9	10	9	9	9
9	11	10	9	9	11	10	9	9	10	9	9	10	9	9	9	9	8	8
10	11	9	9	8	11	9	9	8	9	9	8	9	9	8	9	8	8	8

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POLAR GRAPH



Maximum Candela = 2919 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.)