



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PARABEAM 200-210 45 DEGREE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0307-04E
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 3/14/2007
 [MANUFAC] KINO FLO, INC.
 [LUMCAT] PARABEAM 200/210 45 DEGREE
 [LUMINAIRE] 24-1/2"L. X 13-1/2"W. X 5-3/4"H. STUDIO FIXTURE
 [MORE] SPECULAR REFLECTOR
 [MORE] 45 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, 107.52W

CHARACTERISTICS

Lumens Per Lamp	2800 (2 lamps)
Total Lamp Lumens	5600
Luminaire Lumens	608
Total Luminaire Efficiency	11 %
Luminaire Efficacy Rating (LER)	6
Total Luminaire Watts	107.52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.40
Spacing Criteria (90-270)	0.36
Spacing Criteria (Diagonal)	0.42
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	152	93	51
55	197	52	31
65	296	70	14
75	599	23	23
85	479	68	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	2849	2849	2849	2849	2849
5	2300	2314	2323	2300	2295
15	921	884	878	771	710
25	89	97	86	82	106
35	35	32	31	27	21
45	18	12	11	10	6
55	19	9	5	4	3
65	21	10	5	2	1
75	26	9	1	1	1
85	7	2	1	1	1
90	2	2	1	1	1



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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	534.56	9.50	87.90
0-40	567.45	10.10	93.30
0-60	589.55	10.50	96.90
0-90	608.37	10.90	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	608.37	10.90	100.00

Total Luminaire Efficiency = 10.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	61.66
10-20	299.14
20-30	173.76
30-40	32.89
40-50	14.34
50-60	7.76
60-70	6.76
70-80	6.75
80-90	5.31
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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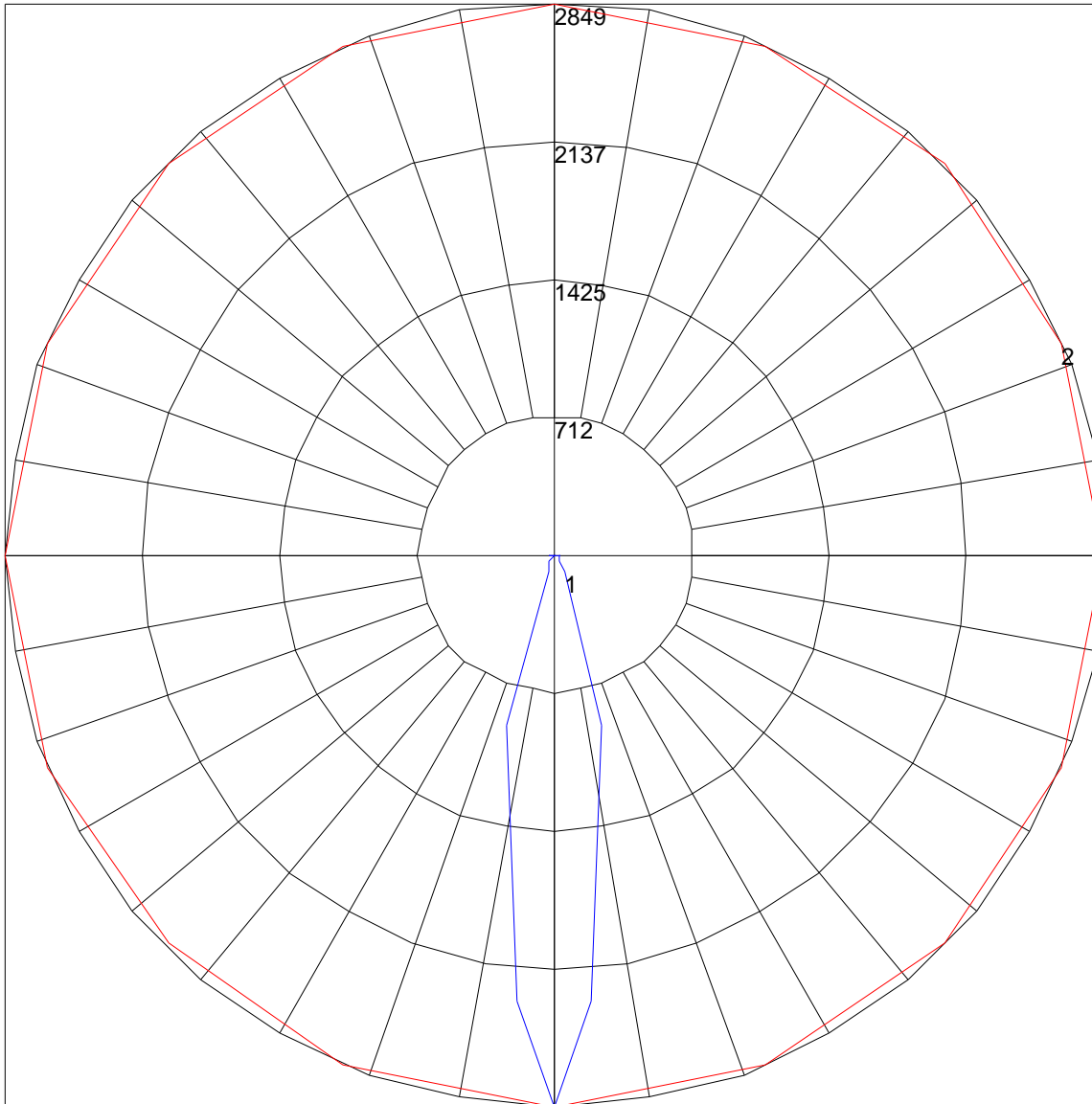
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	13	13	13	13	13	13	13	13	12	12	12	12	12	12	11	11	11	11
1	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	10	10	10
2	12	11	11	10	12	11	11	10	11	10	10	10	10	10	10	10	10	10
3	11	11	10	10	11	10	10	10	10	10	9	10	10	9	10	9	9	9
4	11	10	9	9	11	10	9	9	10	9	9	9	9	9	9	9	9	9
5	10	9	9	8	10	9	9	8	9	9	8	9	9	8	9	9	8	8
6	10	9	8	8	10	9	8	8	9	8	8	9	8	8	8	8	8	8
7	9	9	8	8	9	9	8	8	8	8	8	8	8	7	8	8	7	7
8	9	8	8	7	9	8	8	7	8	7	7	8	7	7	8	7	7	7
9	9	8	7	7	9	8	7	7	8	7	7	8	7	7	7	7	7	7
10	8	7	7	7	8	7	7	7	7	7	6	7	7	6	7	7	6	6

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POLAR GRAPH



Maximum Candela = 2849 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.)