



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PARABEAM 200-210 90 DEGREE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0307-04C
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 3/14/2007
 [MANUFAC] KINO FLO, INC.
 [LUMCAT] PARABEAM 200/210 90 DEGREE
 [LUMINAIRE] 24-1/2"L. X 13-1/2"W. X 5-3/4"H. STUDIO FIXTURE
 [MORE] SPECULAR REFLECTOR
 [MORE] 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, 108.75W

CHARACTERISTICS

Lumens Per Lamp	2800 (2 lamps)
Total Lamp Lumens	5600
Luminaire Lumens	1552
Total Luminaire Efficiency	28 %
Luminaire Efficacy Rating (LER)	14
Total Luminaire Watts	108.75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.62
Spacing Criteria (90-270)	0.50
Spacing Criteria (Diagonal)	0.62
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	447	413	910
55	364	187	135
65	381	127	70
75	529	92	69
85	547	205	137

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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	3083	3083	3083	3083	3083
5	2793	2809	2822	2814	2807
15	1904	1908	1905	1630	1534
25	1066	1049	795	766	760
35	413	325	292	349	356
45	53	49	49	82	108
55	35	25	18	15	13
65	27	15	9	6	5
75	23	10	4	3	3
85	8	3	3	2	2
90	3	3	2	2	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1008.37	18.00	65.00
0-40	1341.97	24.00	86.50
0-60	1519.66	27.10	97.90
0-90	1551.95	27.70	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	1551.95	27.70	100.00

Total Luminaire Efficiency = 27.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.46
10-20	437.59
20-30	500.31
30-40	333.60
40-50	141.77
50-60	35.92
60-70	15.18
70-80	9.78
80-90	7.34
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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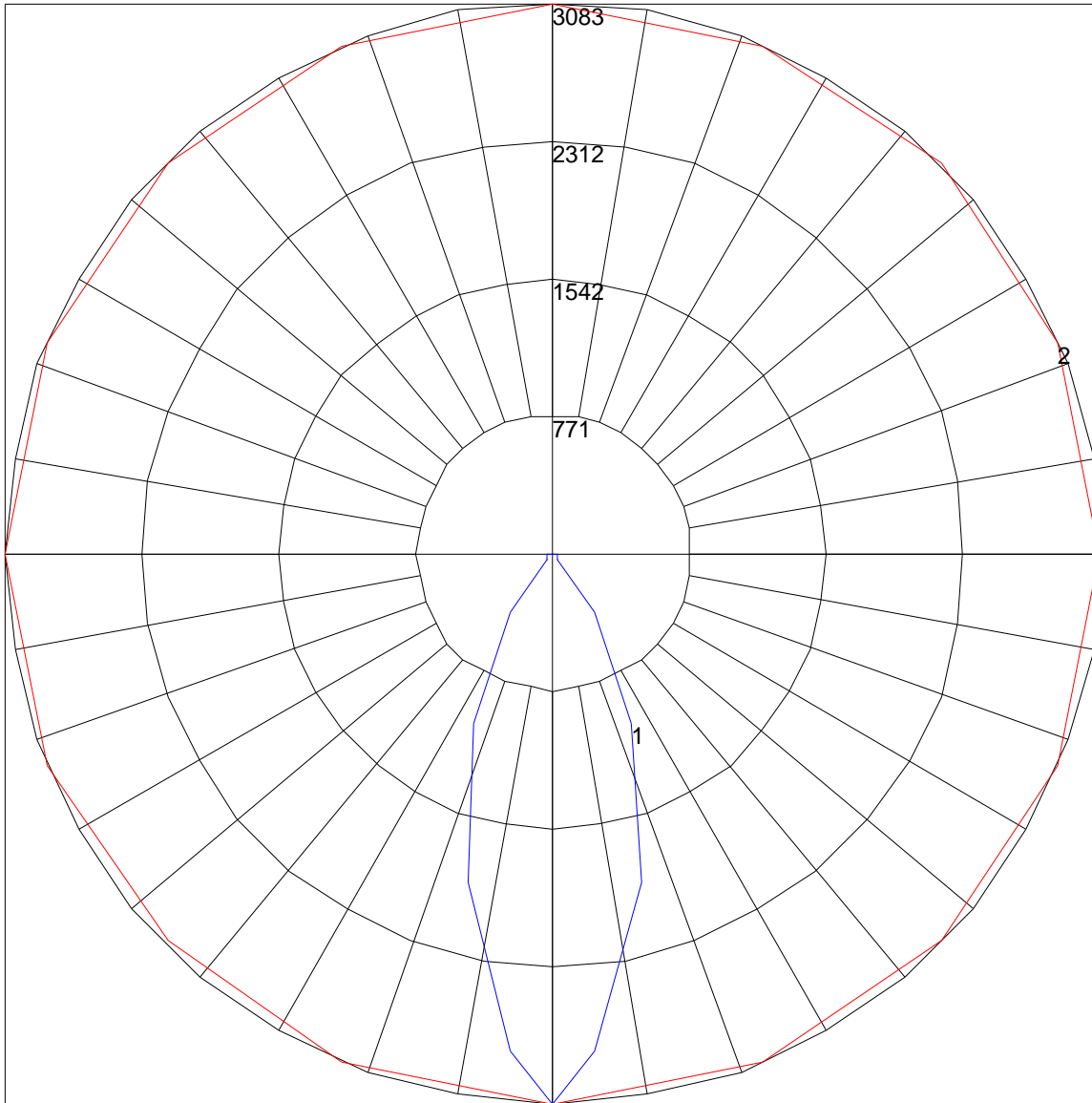
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 3083 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.)