



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PARABEAM 200-210 DIFFUSER.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0307-04B
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 3/14/2007
 [MANUFAC] KINO FLO, INC.
 [LUMCAT] PARABEAM 200/210 DIFFUSER
 [LUMINAIRE] 24-1/2"L. X 13-1/2"W. X 5-3/4"H. STUDIO FIXTURE
 [MORE] SPECULAR REFLECTOR
 [MORE] WITH DIFFUSER LENS
 [BALLASTCAT] SYLVANIA QT2X54/120PHO-DIM
 [BALLAST] 120V 60Hz ELECTRONIC
 [LAMPPOSITION] 180,90
 [LAMPCAT] KINO FLO TRUE MATCH 55C-K29
 [_LAMPLUM] 2800
 [_INPUT] 120VAC, 108.67W

CHARACTERISTICS

Lumens Per Lamp	2800 (2 lamps)
Total Lamp Lumens	5600
Luminaire Lumens	4255
Total Luminaire Efficiency	76 %
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	108.67
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.18
Spacing Criteria (90-270)	0.74
Spacing Criteria (Diagonal)	0.96
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	12968	7028	5199
55	7313	4114	2763
65	4103	2355	1678
75	3292	1750	1266
85	4307	1778	889



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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	3018	3018	3018	3018	3018
5	3029	3027	2997	2954	2932
15	2873	2763	2442	2225	2156
25	2580	2242	1812	1544	1468
35	2154	1709	1274	1122	1082
45	1539	1158	834	674	617
55	704	573	396	296	266
65	291	241	167	135	119
75	143	124	76	63	55
85	63	52	26	14	13
90	13	13	10	7	6

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1415.05	25.30	33.30
0-40	2328.55	41.60	54.70
0-60	3737.82	66.70	87.90
0-90	4254.73	76.00	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	4254.73	76.00	100.00

Total Luminaire Efficiency = 76.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	71.82
10-20	520.70
20-30	822.53
30-40	913.49
40-50	833.10
50-60	576.18
60-70	296.17
70-80	142.80
80-90	77.94
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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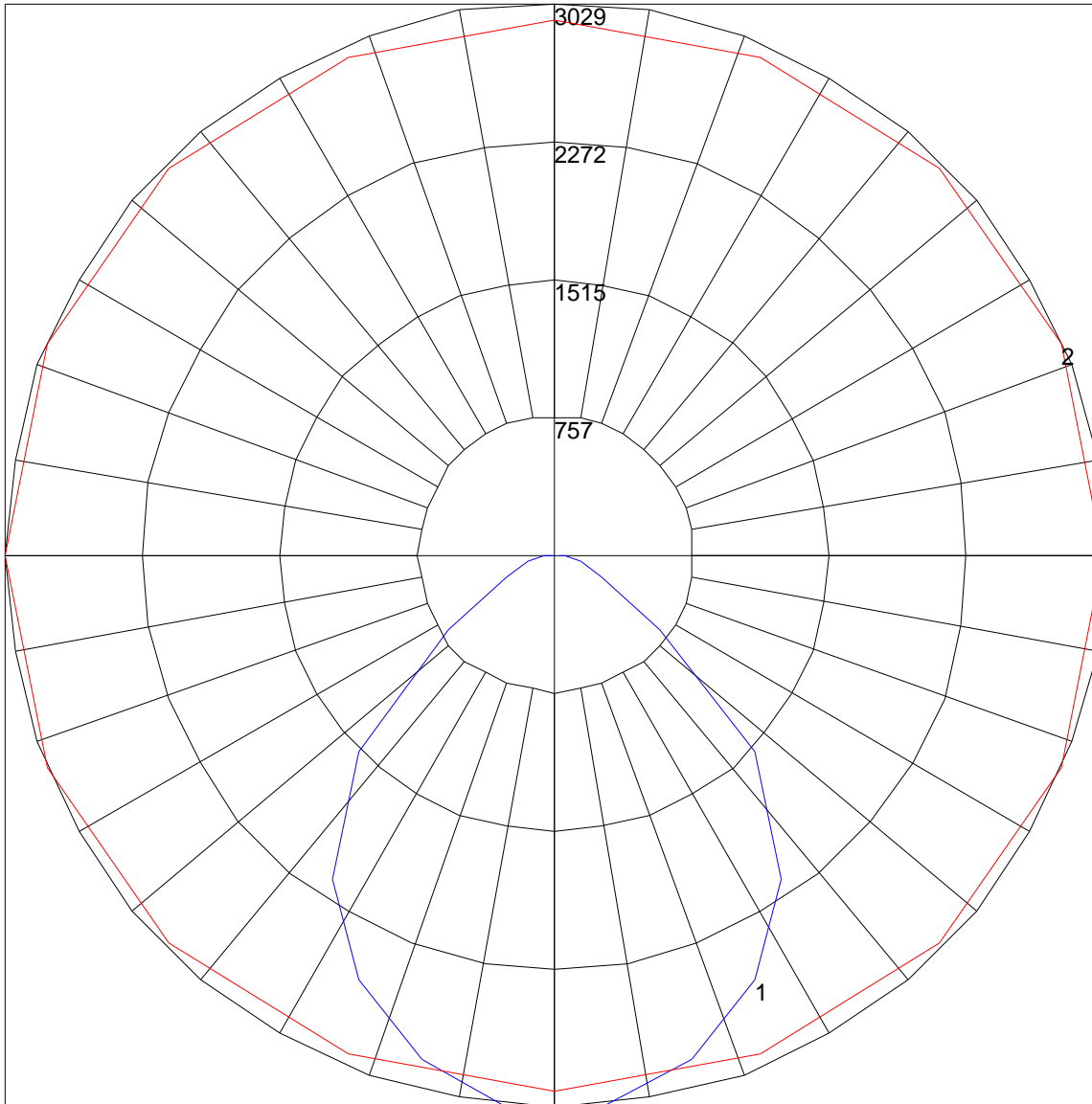
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	90	90	90	88	88	88	88	84	84	84	81	81	81	78	78	78	76
1	84	80	77	75	82	79	76	74	75	73	71	72	71	69	70	68	67	66
2	77	71	67	63	75	70	66	62	67	64	61	65	62	59	63	60	58	56
3	71	63	58	53	69	62	57	53	60	56	52	58	54	51	56	53	50	49
4	65	57	51	46	63	56	50	46	54	49	45	52	48	44	51	47	44	42
5	60	51	45	40	59	50	44	40	49	43	39	47	43	39	46	42	39	37
6	56	46	40	35	54	45	39	35	44	39	35	43	38	34	42	37	34	33
7	52	42	36	31	50	41	35	31	40	35	31	39	34	31	38	34	30	29
8	48	38	32	28	47	38	32	28	37	31	28	36	31	27	35	31	27	26
9	45	35	29	25	44	35	29	25	34	29	25	33	28	25	32	28	25	23
10	42	32	27	23	41	32	26	23	31	26	23	31	26	22	30	26	22	21

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POLAR GRAPH



Maximum Candela = 3029 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)