



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : PARABEAM 200-210 OPEN FACE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LLI 0307-04A  
[TESTLAB] LIGHT LABORATORY INC  
[ISSUE DATE] 3/14/2007  
[MANUFAC] KINO FLO, INC.  
[LUMCAT] PARABEAM 200/210 OPEN FACE  
[LUMINAIRE] 24-1/2"L. X 13-1/2"W. X 5-3/4"H. STUDIO FIXTURE  
[MORE] SPECULAR REFLECTOR  
[BALLASTCAT] SYLVANIA QT2X54/120PHO-DIM  
[BALLAST] 120V 60Hz ELECTRONIC  
[LAMPPOSITION] 180,90  
[LAMPCAT] KINO FLO TRUE MATCH 55C-K29  
[\_LAMPLUM] 2800  
[\_INPUT] 120VAC, 110.27W

**CHARACTERISTICS**

Lumens Per Lamp	2800 (2 lamps)
Total Lamp Lumens	5600
Luminaire Lumens	4869
Total Luminaire Efficiency	87 %
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	110.27
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.18
Spacing Criteria (90-270)	0.66
Spacing Criteria (Diagonal)	0.88
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	17232	7677	6337
55	15520	5797	2701
65	12915	2002	790
75	8449	276	276
85	1162	684	684

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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>
<b>0</b>	3511	3511	3511	3511	3511
<b>5</b>	3506	3509	3491	3449	3424
<b>15</b>	3331	3211	2968	2414	2275
<b>25</b>	2934	2755	1740	1539	1494
<b>35</b>	2518	1798	1247	1133	1124
<b>45</b>	2045	1155	911	797	752
<b>55</b>	1494	740	558	335	260
<b>65</b>	916	420	142	86	56
<b>75</b>	367	118	12	13	12
<b>85</b>	17	9	10	10	10
<b>90</b>	7	7	7	7	6



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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1605.06	28.70	33.00
0-40	2580.3	46.10	53.00
0-60	4193.38	74.90	86.10
0-90	4869.44	87.00	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	4869.44	87.00	100.00

Total Luminaire Efficiency = 87.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	83.56
10-20	601.70
20-30	919.81
30-40	975.24
40-50	902.93
50-60	710.16
60-70	432.04
70-80	188.66
80-90	55.35
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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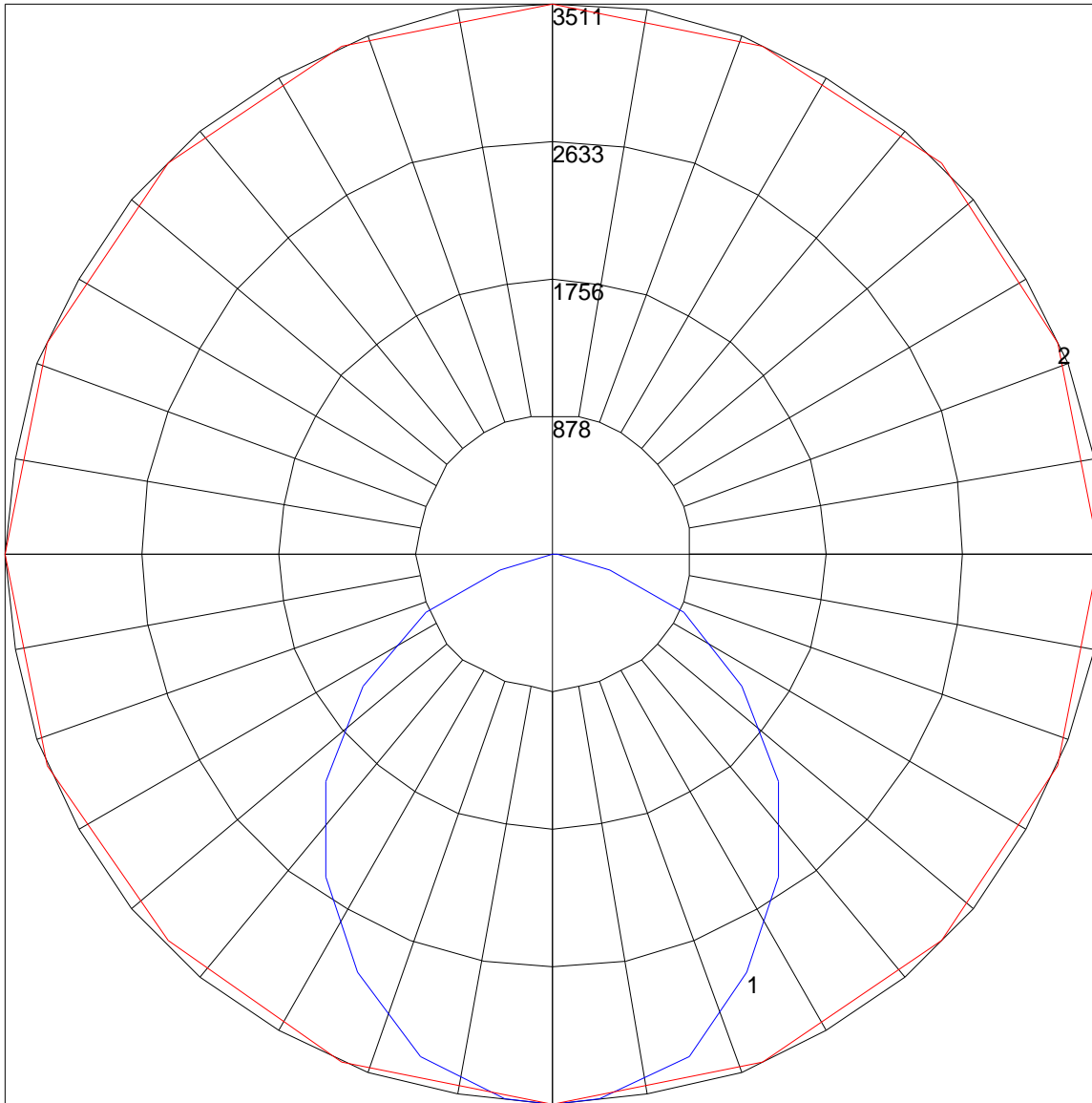
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	101	101	101	101	97	97	97	93	93	93	89	89	89	87
1	96	92	89	86	93	90	87	84	86	84	82	83	81	79	80	78	77	75
2	88	81	76	71	86	80	75	70	77	72	69	74	70	67	71	68	66	64
3	81	72	66	60	78	71	65	60	68	63	59	66	61	58	64	60	57	55
4	74	64	57	52	72	63	57	51	61	55	51	59	54	50	57	53	49	48
5	68	58	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	42
6	63	52	45	39	62	51	44	39	50	44	39	48	43	39	47	42	38	37
7	59	47	40	35	57	47	40	35	45	39	35	44	39	34	43	38	34	32
8	55	43	36	31	53	43	36	31	42	35	31	41	35	31	40	34	31	29
9	51	40	33	28	50	39	33	28	38	32	28	37	32	28	36	31	28	26
10	48	37	30	25	47	36	30	25	35	29	25	35	29	25	34	29	25	24

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**POLAR GRAPH**



Maximum Candela = 3511 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.)