



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : PARABEAM 400-410 DIFFUSER.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 0307-04G  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 3/14/2007  
 [MANUFAC] KINO FLO, INC.  
 [LUMCAT] PARABEAM 400/410 DIFFUSER  
 [LUMINAIRE] 24-1/2"L. X 24"W. X 6"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, 218.6W

**CHARACTERISTICS**

Lumens Per Lamp	2800 (4 lamps)
Total Lamp Lumens	11200
Luminaire Lumens	8140
Total Luminaire Efficiency	73 %
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	218.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.16
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)	1.83 ft
Luminous Height	0.00 ft



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : PARABEAM 400-410 DIFFUSER.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12108	7020	5384
55	7335	4278	2948
65	4334	2692	1908
75	3551	2126	1727
85	4375	3048	2044

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : PARABEAM 400-410 DIFFUSER.IES**

**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>	5693	5693	5693	5693	5693
<b>5</b>	5723	5679	5576	5488	5457
<b>15</b>	5404	5084	4566	4222	4115
<b>25</b>	4763	4123	3427	2958	2811
<b>35</b>	3880	3168	2404	2100	2036
<b>45</b>	2739	2197	1588	1312	1218
<b>55</b>	1346	1182	785	608	541
<b>65</b>	586	550	364	297	258
<b>75</b>	294	266	176	163	143
<b>85</b>	122	107	85	66	57
<b>90</b>	24	28	25	13	10

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : PARABEAM 400-410 DIFFUSER.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2650.41	23.70	32.60
0-40	4356.57	38.90	53.50
0-60	7025.7	62.70	86.30
0-90	8139.84	72.70	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	8139.84	72.70	100.00

Total Luminaire Efficiency = 72.70%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	134.80
10-20	973.85
20-30	1541.75
30-40	1706.17
40-50	1558.09
50-60	1111.04
60-70	610.77
70-80	316.02
80-90	187.35
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : PARABEAM 400-410 DIFFUSER.IES**

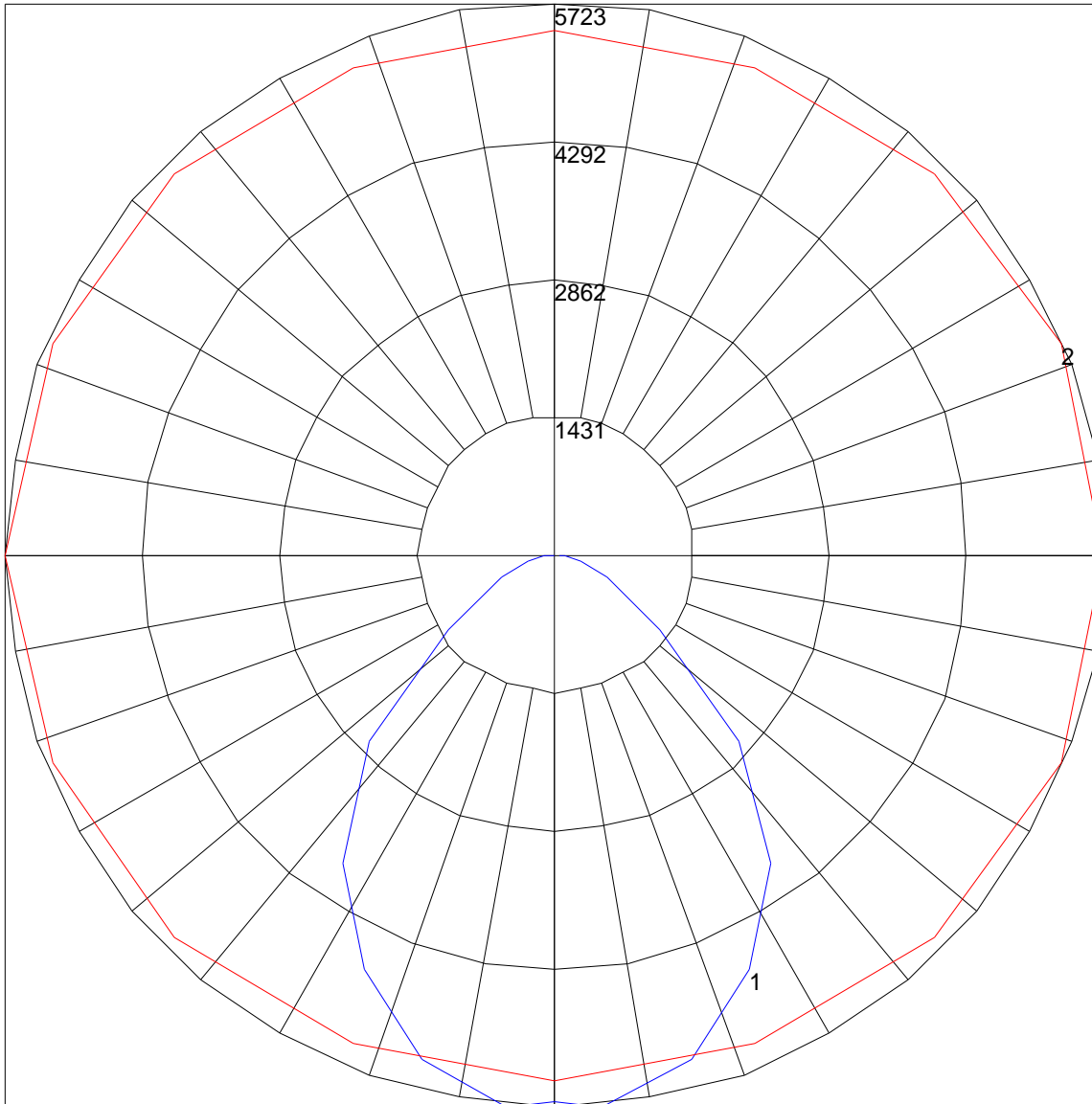
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	87	87	87	87	85	85	85	85	81	81	81	77	77	77	74	74	74	73
1	80	76	74	71	78	75	72	70	72	70	68	69	67	66	66	65	64	62
2	73	68	63	59	71	66	62	59	64	60	57	61	59	56	59	57	55	53
3	67	60	55	50	66	59	54	50	57	53	49	55	51	48	53	50	47	46
4	62	54	48	43	60	53	47	43	51	46	42	49	45	42	48	44	41	40
5	57	48	42	38	56	48	42	37	46	41	37	45	40	37	43	39	36	35
6	53	44	37	33	52	43	37	33	42	37	33	41	36	32	39	35	32	31
7	49	40	34	29	48	39	33	29	38	33	29	37	32	29	36	32	29	27
8	46	36	30	26	45	36	30	26	35	30	26	34	29	26	33	29	26	24
9	43	33	27	24	42	33	27	23	32	27	23	31	27	23	30	26	23	22
10	40	31	25	21	39	30	25	21	30	25	21	29	24	21	28	24	21	20

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : PARABEAM 400-410 DIFFUSER.IES**

**POLAR GRAPH**



Maximum Candela = 5723 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.)