



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 4FT DOUBLE BLACK SQUARE LOUVERS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLI 0707-02D
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUE DATE] 7/13/2007
 [MANUFAC] KINO FLO, INC.
 [LUMCAT] 4FT DOUBLE/BLACK SQUARE LOUVERS
 [LUMINAIRE] 51-3/4"L. X 7-1/2"W. X 3-9/16"H. STUDIO FIXTURE
 [MORE] SPECULAR REFLECTOR
 [MORE] BLACK SQUARE LOUVERS
 [BALLASTCAT] KINOFLO BAL-200-S120, BAL-210-S120, BAL-215-120, BAL-227-120U
 [BALLAST] 110/120V 50/60Hz ELECTRONIC
 [LAMPPOSITION] 0,90
 [LAMPCAT] KINO FLO F75/T12/HO/800
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_LAMPLUM] 3290
 [_INPUT] 120VAC, 156.6W

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1518
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	10
Total Luminaire Watts	156.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.96
Spacing Criteria (90-270)	0.92
Spacing Criteria (Diagonal)	0.98
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.85 ft
Luminous Width (90-270)	0.55 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	2420	2176	2320
55	868	1001	735
65	348	192	276
75	392	334	412
85	816	1107	1107

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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	1199	1199	1199	1199	1199
5	1237	1232	1186	1136	1117
15	1062	1044	1020	988	982
25	828	804	760	755	780
35	582	548	522	540	567
45	337	308	303	302	323
55	98	107	113	95	83
65	29	24	16	20	23
75	20	18	17	20	21
85	14	18	19	20	19
90	7	10	5	3	3



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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	574.79	N.A.	37.90
0-40	938.10	N.A.	61.80
0-60	1412.6	N.A.	93.00
0-90	1518.35	N.A.	100.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
0-180	1518.35	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	28.47
10-20	209.32
20-30	336.99
30-40	363.31
40-50	301.62
50-60	172.89
60-70	58.27
70-80	20.78
80-90	26.69
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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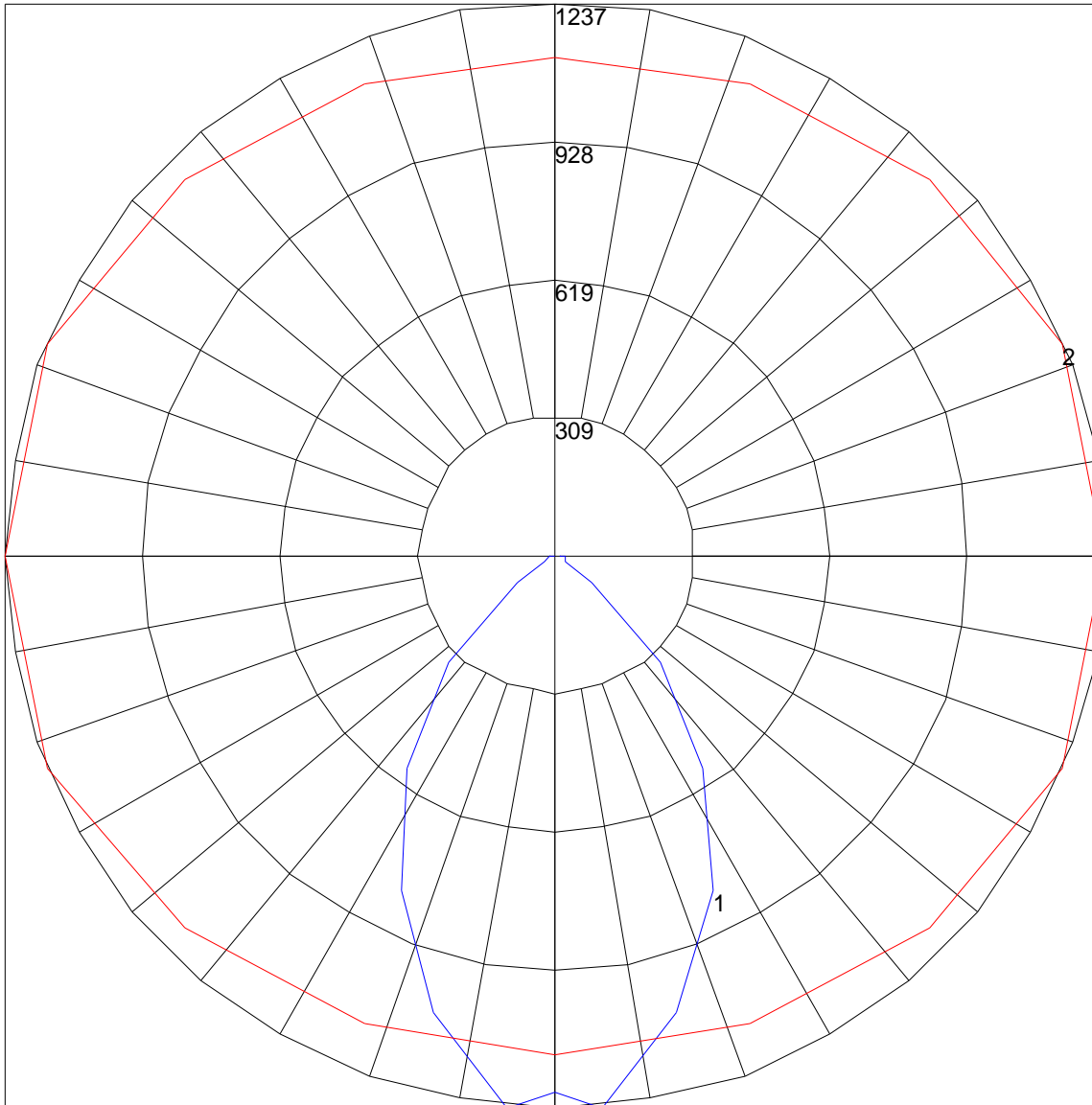
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42
8	66	53	46	40	64	53	45	40	52	45	40	50	44	40	49	44	39	38
9	62	49	42	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31

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POLAR GRAPH



Maximum Candela = 1237 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.)