



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DIVA-LITE 400-401 60 DEGREE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 0307-04R  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 3/15/2007  
 [MANUFAC] KINO FLO, INC.  
 [LUMCAT] DIVA-LITE 400/401 60 DEGREE  
 [LUMINAIRE] 26"L. X 12"W. X 5-1/2"H. STUDIO FIXTURE  
 [MORE] SPECULAR REFLECTOR  
 [MORE] 60 DEGREE SPOT HEXCEL LOUVERS  
 [BALLASTCAT] ADVANCE RZT-2S54  
 [BALLAST] 120V 50/60Hz ELECTRONIC  
 [LAMPPOSITION] 180,90  
 [LAMPCAT] KINO FLO TRUE MATCH 55C-K29  
 [\_LAMPLUM] 2800  
 [\_INPUT] 120VAC, 196.1W

**CHARACTERISTICS**

Lumens Per Lamp	2800 (4 lamps)
Total Lamp Lumens	11200
Luminaire Lumens	1284
Total Luminaire Efficiency	11 %
Luminaire Efficacy Rating (LER)	7
Total Luminaire Watts	196.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.46
Spacing Criteria (90-270)	0.50
Spacing Criteria (Diagonal)	0.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.89 ft
Luminous Width (90-270)	0.90 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	393	501	742
55	816	860	1234
65	1631	1765	2034
75	3249	3884	3713
85	7544	7399	3990

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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>	2588	2588	2588	2588	2588
<b>5</b>	2148	2179	2216	2215	2222
<b>15</b>	1131	1164	1237	1268	1277
<b>25</b>	296	284	320	411	417
<b>35</b>	45	44	54	69	78
<b>45</b>	44	40	56	79	83
<b>55</b>	74	72	78	98	112
<b>65</b>	109	113	118	125	136
<b>75</b>	133	145	159	152	152
<b>85</b>	104	117	102	71	55
<b>90</b>	45	40	28	8	4



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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	674.55	6.00	52.50
0-40	784.07	7.00	61.00
0-60	885.94	7.90	69.00
0-90	1284.34	11.50	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	1284.34	11.50	100.00

Total Luminaire Efficiency = 11.50%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	57.22
10-20	324.93
20-30	292.39
30-40	109.52
40-50	41.10
50-60	60.77
60-70	97.16
70-80	138.55
80-90	162.68
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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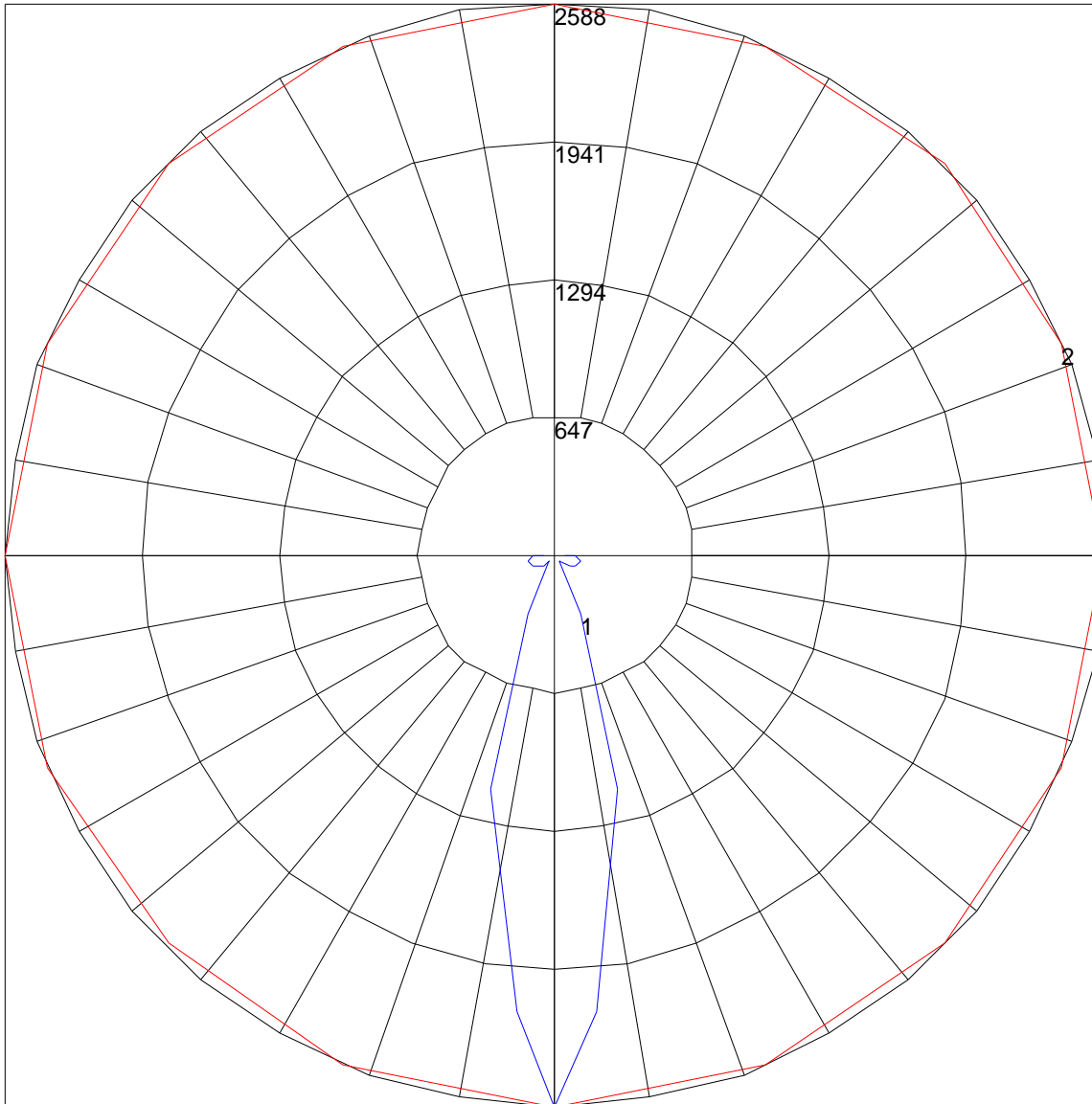
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	14	14	14	14	13	13	13	13	13	13	13	12	12	12	12	12	12	11
1	12	11	11	10	12	11	11	10	11	10	10	10	10	9	10	9	9	9
2	11	10	9	9	11	10	9	8	9	9	8	9	8	8	9	8	8	8
3	10	9	8	7	10	9	8	7	9	8	7	8	8	7	8	7	7	7
4	10	8	7	7	9	8	7	7	8	7	6	8	7	6	7	7	6	6
5	9	8	7	6	9	8	7	6	7	7	6	7	6	6	7	6	6	6
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8	8	6	5	5	8	6	5	5	6	5	5	6	5	5	6	5	5	5
9	7	6	5	5	7	6	5	4	6	5	4	6	5	4	6	5	4	4
10	7	6	5	4	7	6	5	4	5	5	4	5	5	4	5	5	4	4

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**POLAR GRAPH**



Maximum Candela = 2588 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.)