



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702601.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L051702601
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 6/19/2017
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] CEL-450C-120U
[LUMINAIRE] **Celeb 450C, open**
[BALLASTCAT] N/A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[TEST CONDITION] BRIGHTNESS IS SET TO 100%. COLOR TEMPERATURE IS SET TO 6500K.
[MORE] TEST IS PERFORMED WITHOUT LOUVER.
[INPUT] 120VAC, 0.21A, 247.5W, 0.98PF, 15%ATHD
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16237
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	247.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.24
Spacing Criteria (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.96 ft
Luminous Width (90-270)	3.71 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16004	16141	16295
55	15161	15292	15513
65	14217	14318	14639
75	11853	11853	12378
85	7968	7933	8903

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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	5881	5881	5881	5881	5881
5	5840	5846	5848	5843	5837
10	5745	5752	5756	5754	5748
15	5594	5601	5608	5608	5604
20	5390	5399	5410	5414	5411
25	5137	5148	5163	5170	5169
30	4842	4853	4872	4883	4885
35	4510	4522	4543	4559	4563
40	4145	4158	4179	4200	4206
45	3748	3759	3780	3805	3816
50	3326	3335	3354	3381	3395
55	2880	2887	2905	2932	2947
60	2451	2453	2469	2495	2513
65	1990	1991	2004	2029	2049
70	1498	1496	1505	1528	1552
75	1016	1008	1016	1036	1061
80	577	566	572	588	613
85	230	227	229	232	257
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	4512.85	N.A.	27.80
0-40	7352.82	N.A.	45.30
0-60	12876.36	N.A.	79.30
0-90	16236.77	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	16236.77	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	554.99
10-20	1581.01
20-30	2376.85
30-40	2839.97
40-50	2916.35
50-60	2607.18
60-70	1982.86
70-80	1092.85
80-90	284.71
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

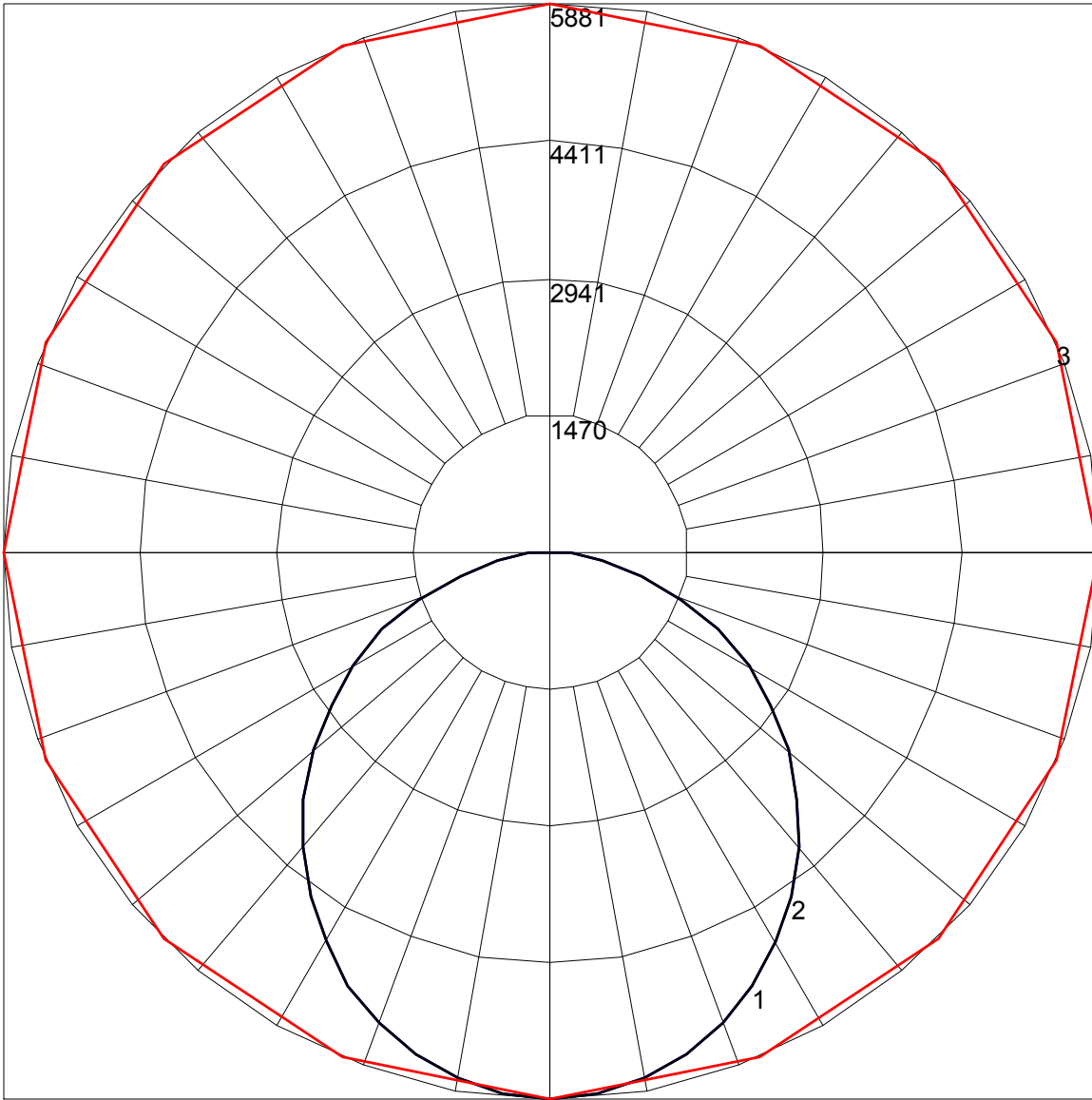
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96		106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78		96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65		88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55		80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47		74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	41		68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37		63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33		59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29		55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27		52	39	32	27	38	31	26	37	31	26	36	31	26	24

POLAR GRAPH



Maximum Candela = 5881 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)