KINO FLO® LIGHTING SYSTEMS

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051702607.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L051702607
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 6/19/2017
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] CEL-850-120U
[LUMINAIRE] Celeb 850, 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, 3.92A, 461.3W, 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	31366
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	461.3
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)	1.85 ft
Luminous Width (90-270)	3.52 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16901	16997	17114
55	16074	16186	16336
65	15153	15263	15470
75	12882	12946	13259
85	9512	9303	10004

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	11220	11220	11220	11220	11220
5	11167	11163	11152	11140	11140
10	10990	10987	10980	10971	10970
15	10708	10708	10705	10701	10702
20	10330	10333	10336	10337	10340
25	9857	9863	9873	9880	9884
30	9303	9312	9328	9342	9349
35	8679	8691	8712	8733	8743
40	7990	8001	8029	8057	8068
45	7237	7248	7278	7311	7328
50	6432	6443	6474	6508	6527
55	5583	5592	5622	5655	5674
60	4779	4787	4814	4847	4867
65	3878	3884	3906	3939	3959
70	2937	2940	2958	2988	3011
75	2019	2015	2029	2054	2078
80	1182	1172	1181	1200	1224
85	502	489	491	503	528
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	8628.39	N.A.	27.50
0-40	14077.79	N.A.	44.90
0-60	24736.67	N.A.	78.90
0-90	31366.13	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	31366.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1059.17
10-20	3020.29
20-30	4548.93
30-40	5449.4
40-50	5614.16
50-60	5044.72
60-70	3863.46
70-80	2170.43
80-90	595.57
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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

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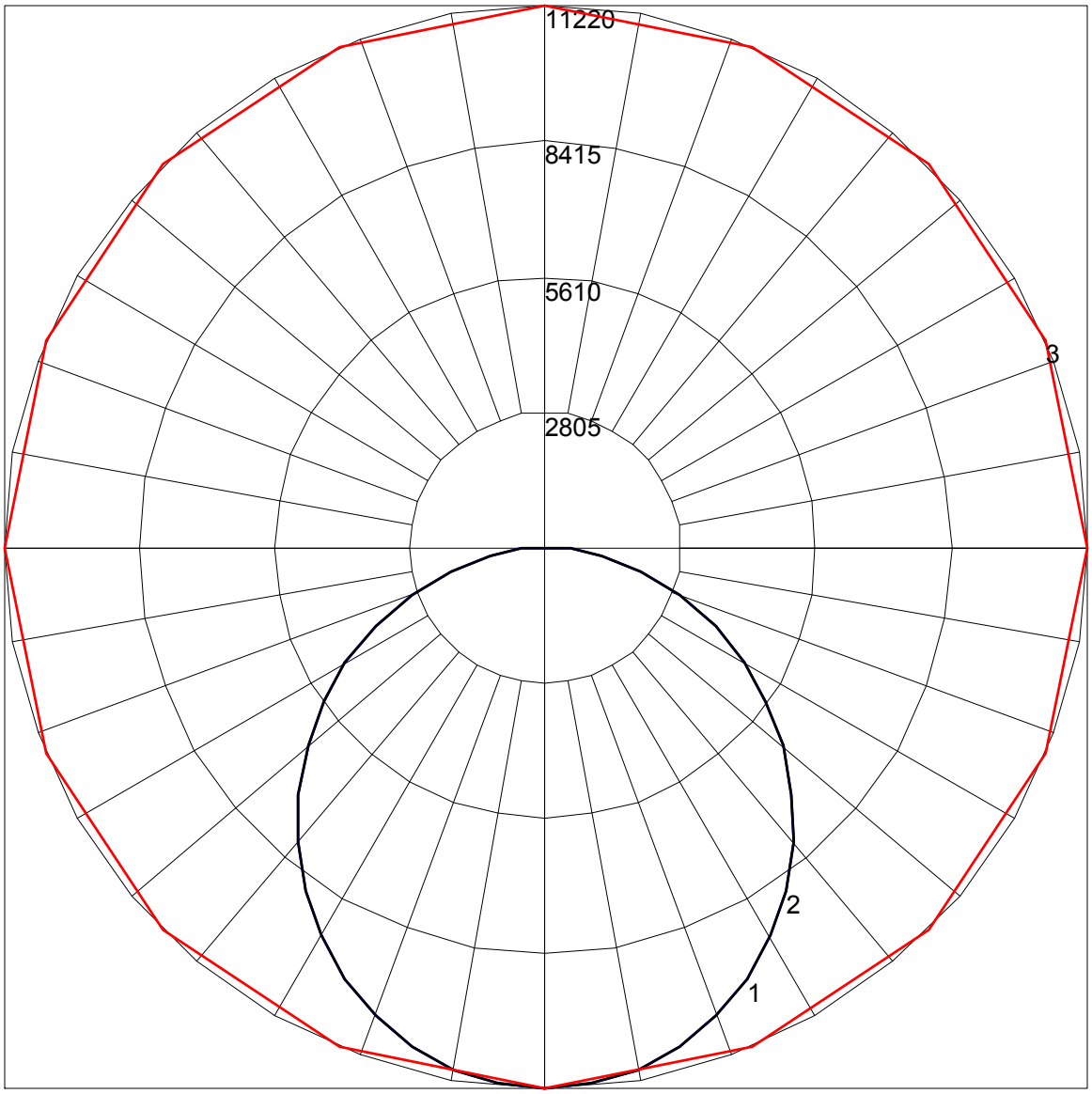
POLAR GRAPH



Maximum Candela = 11220 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.)