IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-30W-3000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13114
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 2/24/2022
[TESTDATE] 12/10/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRT24-FS1-UNV-30W-3000K
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor
[_SEARCH_COLORTEMP] 3000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3121
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	28.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1198	1253	1325
55	1329	1469	1643
65	1511	1718	2039
75	1511	1885	2202
85	1527	1619	1990

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	684	684	684	684	684
2.5	696	689	686	681	678
5.0	697	692	688	684	680
7.5	701	695	690	687	683
10.0	702	696	691	688	685
12.5	700	695	690	687	686
15.0	697	694	688	686	686
17.5	693	692	686	686	687
20.0	690	690	686	687	687
22.5	688	688	685	688	685
25.0	686	684	685	688	682
27.5	683	678	682	687	681
30.0	678	672	678	686	683
32.5	670	667	675	686	686
35.0	660	662	672	686	688
37.5	652	658	670	685	688
40.0	645	653	668	685	690
42.5	639	646	664	686	695
45.0	630	637	659	688	697
47.5	620	627	654	688	698
50.0	605	618	648	686	697
52.5	587	606	639	679	698
55.0	567	591	627	672	701
57.5	547	571	610	665	699
60.0	527	546	590	654	688
62.5	503	519	567	636	668
65.0	475	493	540	606	641
67.5	438	461	508	567	606
70.0	395	425	466	521	560
72.5	343	384	418	465	500
75.0	291	337	363	400	424
77.5	239	286	297	325	341
80.0	190	232	228	252	259
82.5	143	176	161	187	190
85.0	99	113	105	127	129
87.5	54	54	54	64	65
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	261.33	N.A.	8.40
0-30	578.02	N.A.	18.50
0-40	1001.06	N.A.	32.10
0-60	2076.46	N.A.	66.50
0-80	2995.5	N.A.	96.00
0-90	3121.3	N.A.	100.00
10-90	3055.47	N.A.	97.90
20-40	739.73	N.A.	23.70
20-50	1251.49	N.A.	40.10
40-70	1614.72	N.A.	51.70
60-80	919.04	N.A.	29.40
70-80	379.72	N.A.	12.20
80-90	125.80	N.A.	4.00
90-110	0.00	N.A.	0.00
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
110-180	0.00	N.A.	0.00
0-180	3121.3	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.83
10-20	195.50
20-30	316.70
30-40	423.04
40-50	511.76
50-60	563.65
60-70	539.31
70-80	379.72
80-90	125.80
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	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79
2	95	85	77	70	92	83	76	69	79	73	68	76	71	66	73	68	64	62
3	85	73	64	56	83	71	63	56	68	61	54	65	59	53	63	57	52	50
4	77	64	54	46	75	62	53	46	60	51	45	57	50	44	55	49	44	41
5	70	56	46	39	68	55	45	38	53	44	38	50	43	37	49	42	37	34
6	65	50	40	33	63	49	39	33	47	39	32	45	38	32	43	37	32	29
7	60	45	35	28	58	44	35	28	42	34	28	41	33	28	39	33	28	25
8	55	41	31	25	54	40	31	25	38	30	25	37	30	24	36	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	22	20
10	48	34	25	20	47	33	25	20	32	25	20	31	24	20	30	24	19	18

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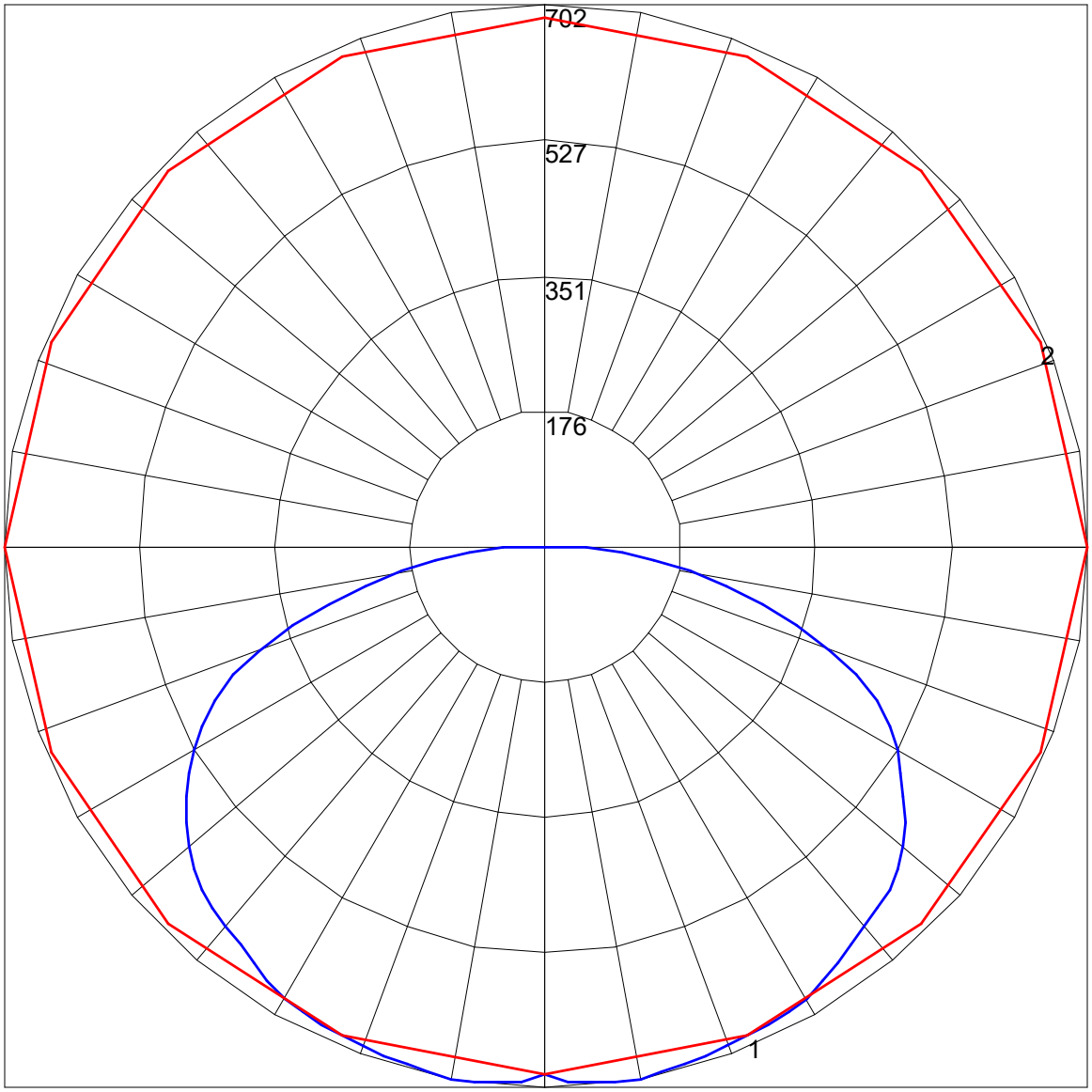
POLAR GRAPH



Maximum Candela = 702 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)