



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-35W-4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-13108  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 2/24/2022  
[TEST DATE] 12/09/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] CLRT22-FS1-UNV-35W-4000K  
[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] 4000

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	32.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	2718	2878	3133
55	3000	3412	3923
65	3429	4052	5057
75	3480	4456	5443
85	3486	3979	5028

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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>
0.0	782	782	782	782	782
2.5	794	790	784	778	776
5.0	798	794	789	782	780
7.5	801	798	792	786	784
10.0	802	799	792	788	787
12.5	800	798	791	787	789
15.0	795	795	788	786	790
17.5	790	793	787	787	792
20.0	785	791	788	789	792
22.5	784	789	789	792	790
25.0	783	784	788	794	786
27.5	780	777	785	794	787
30.0	774	767	780	793	792
32.5	762	760	776	793	798
35.0	749	756	773	793	804
37.5	737	751	771	794	808
40.0	729	744	769	795	813
42.5	722	735	763	798	819
45.0	715	724	757	802	824
47.5	704	713	752	805	826
50.0	687	702	748	803	825
52.5	665	690	740	797	829
55.0	640	673	728	792	837
57.5	618	650	711	788	841
60.0	596	621	688	781	838
62.5	571	592	664	765	823
65.0	539	562	637	734	795
67.5	499	529	602	689	755
70.0	450	489	554	632	700
72.5	394	440	497	563	622
75.0	335	383	429	483	524
77.5	271	323	351	396	419
80.0	216	257	267	312	324
82.5	164	192	194	236	243
85.0	113	129	129	161	163
87.5	62	68	64	80	81
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	299.56	N.A.	8.20
0-30	663.57	N.A.	18.30
0-40	1150.17	N.A.	31.60
0-60	2395.59	N.A.	65.90
0-80	3483.5	N.A.	95.80
0-90	3634.46	N.A.	100.00
10-90	3559.03	N.A.	97.90
20-40	850.61	N.A.	23.40
20-50	1440.85	N.A.	39.60
40-70	1883.15	N.A.	51.80
60-80	1087.91	N.A.	29.90
70-80	450.18	N.A.	12.40
80-90	150.96	N.A.	4.20
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	3634.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	75.43
10-20	224.13
20-30	364.01
30-40	486.61
40-50	590.24
50-60	655.18
60-70	637.73
70-80	450.18
80-90	150.96
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

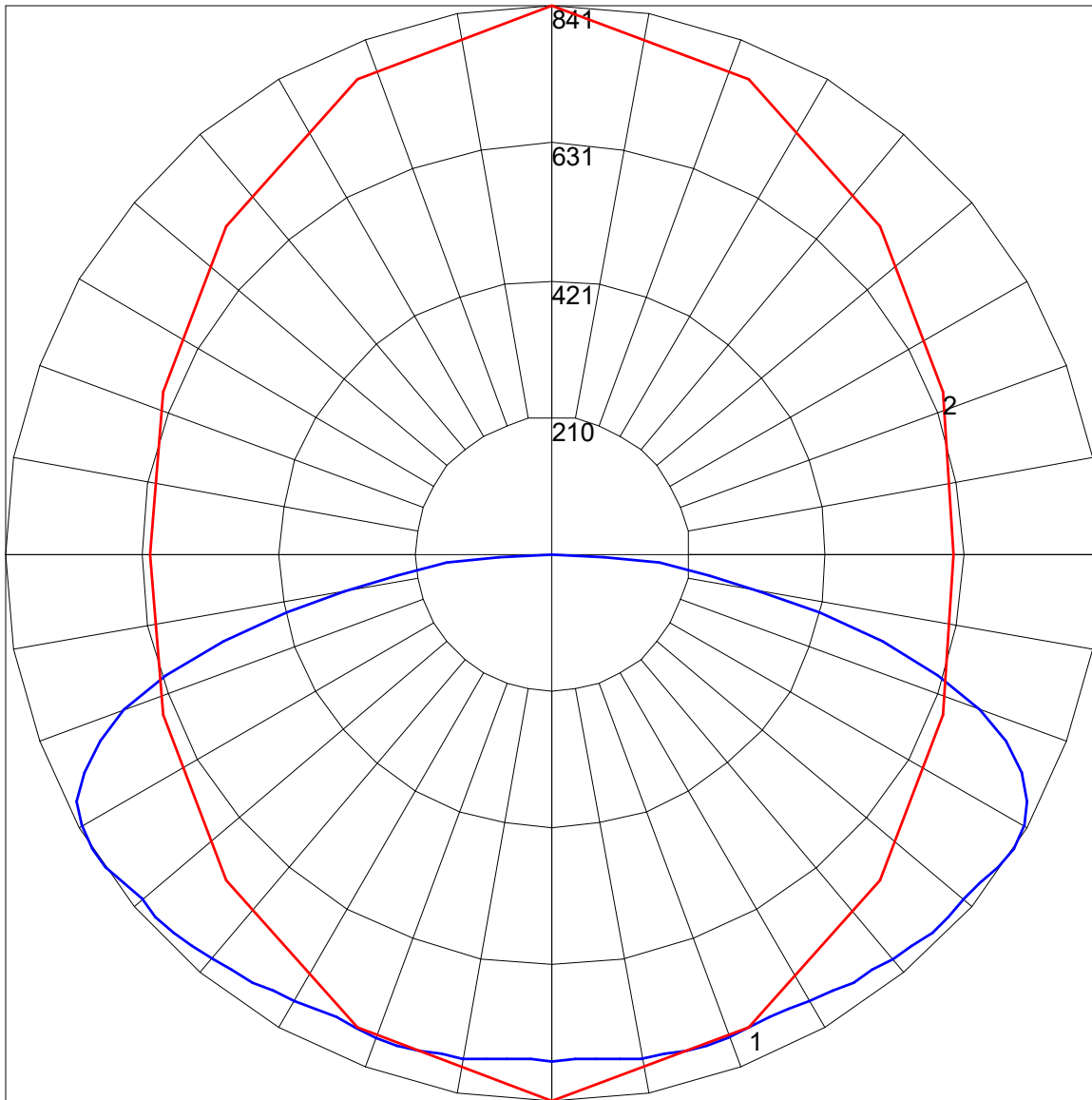
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	78
2	95	85	77	70	92	83	75	69	79	73	67	76	70	66	73	68	64	62
3	85	73	63	56	82	71	62	55	68	60	54	65	59	53	62	57	52	50
4	77	63	53	46	75	62	53	45	59	51	45	57	50	44	54	48	43	41
5	70	56	46	38	68	55	45	38	52	44	37	50	43	37	48	42	37	34
6	64	50	40	33	62	49	39	32	47	38	32	45	37	32	43	37	31	29
7	59	45	35	28	58	44	35	28	42	34	28	41	33	28	39	32	27	25
8	55	40	31	25	53	40	31	25	38	30	24	37	30	24	36	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	21	19
10	48	34	25	20	47	33	25	20	32	25	19	31	24	19	30	24	19	17

POLAR GRAPH



Maximum Candela = 841 Located At Horizontal Angle = 90, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)