



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-35W-3500K.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-3500K  
[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] 3500

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3686
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	32.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.58
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	2756	2920	3179
55	3042	3459	3979
65	3480	4109	5127
75	3532	4519	5516
85	3547	4041	5090

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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>0.0</b>	793	793	793	793	793
<b>2.5</b>	805	801	795	789	787
<b>5.0</b>	809	805	800	793	791
<b>7.5</b>	812	809	803	797	795
<b>10.0</b>	813	810	803	799	798
<b>12.5</b>	811	809	802	798	800
<b>15.0</b>	806	806	799	797	801
<b>17.5</b>	801	804	798	798	803
<b>20.0</b>	796	802	799	800	803
<b>22.5</b>	795	800	800	803	801
<b>25.0</b>	794	795	799	805	797
<b>27.5</b>	791	788	796	805	798
<b>30.0</b>	785	778	791	804	803
<b>32.5</b>	773	771	787	804	809
<b>35.0</b>	759	767	784	804	815
<b>37.5</b>	747	762	782	805	819
<b>40.0</b>	739	754	780	806	824
<b>42.5</b>	732	745	774	809	830
<b>45.0</b>	725	734	768	813	836
<b>47.5</b>	714	723	763	816	838
<b>50.0</b>	697	712	758	814	837
<b>52.5</b>	674	700	750	808	841
<b>55.0</b>	649	682	738	803	849
<b>57.5</b>	627	659	721	799	853
<b>60.0</b>	604	630	698	792	850
<b>62.5</b>	579	600	673	776	835
<b>65.0</b>	547	570	646	744	806
<b>67.5</b>	506	536	610	699	766
<b>70.0</b>	456	496	562	641	710
<b>72.5</b>	400	446	504	571	631
<b>75.0</b>	340	388	435	490	531
<b>77.5</b>	275	328	356	402	425
<b>80.0</b>	219	261	271	316	329
<b>82.5</b>	166	195	197	239	246
<b>85.0</b>	115	131	131	163	165
<b>87.5</b>	63	69	65	81	82
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	303.73	N.A.	8.20
0-30	672.83	N.A.	18.30
0-40	1166.27	N.A.	31.60
0-60	2429.12	N.A.	65.90
0-80	3532.41	N.A.	95.80
0-90	3685.51	N.A.	100.00
10-90	3609.03	N.A.	97.90
20-40	862.54	N.A.	23.40
20-50	1461.05	N.A.	39.60
40-70	1909.53	N.A.	51.80
60-80	1103.29	N.A.	29.90
70-80	456.61	N.A.	12.40
80-90	153.10	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	3685.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	76.48
10-20	227.25
20-30	369.10
30-40	493.44
40-50	598.51
50-60	664.34
60-70	646.68
70-80	456.61
80-90	153.10
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

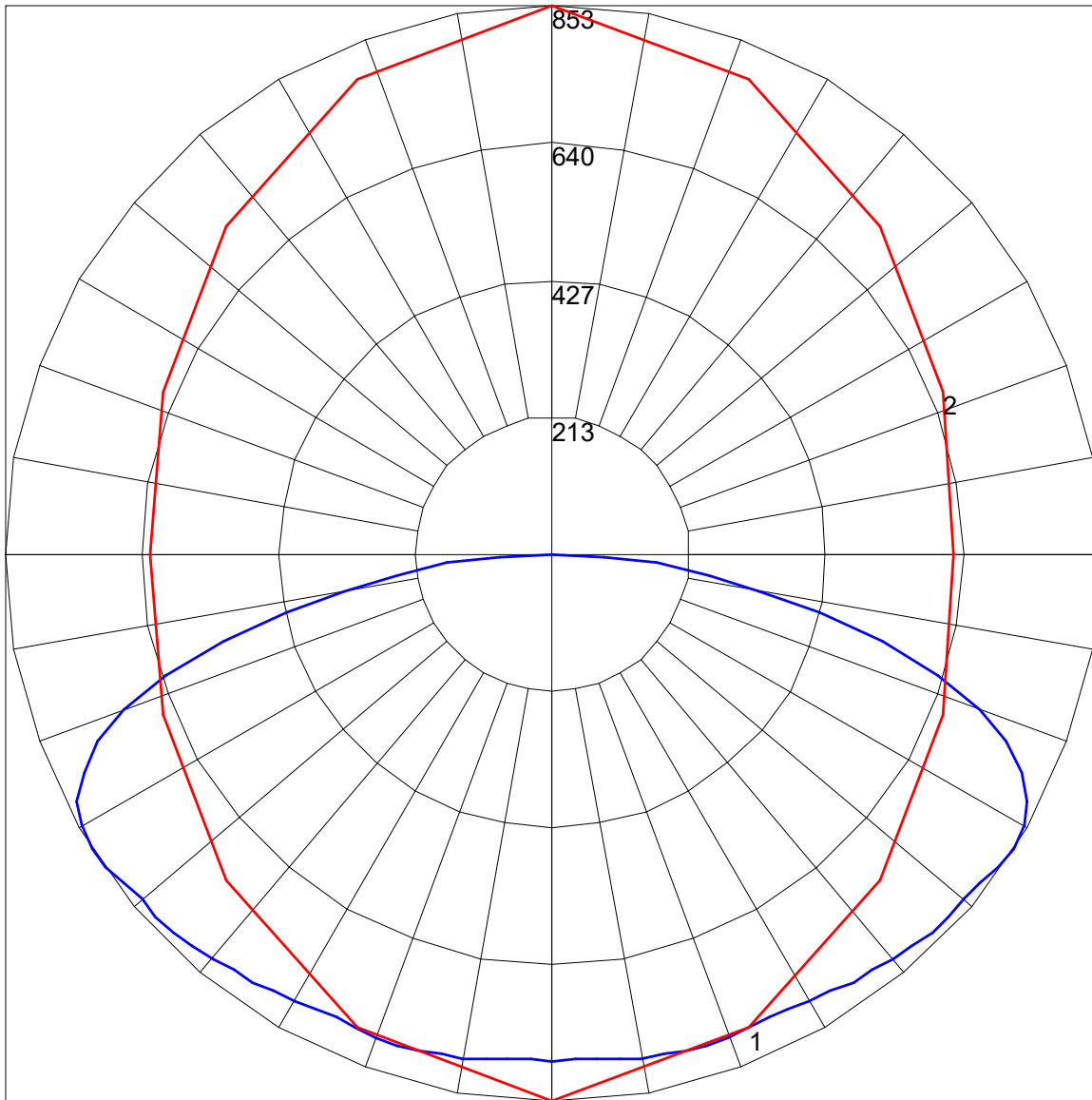
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	89	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	52	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 = 853 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.)