



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-40W-4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13113
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 2/24/2022
[TEST DATE] 12/10/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] CLRT24-FS1-UNV-40W-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	4448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	38.3
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	1707	1785	1890
55	1898	2095	2339
65	2150	2446	2914
75	2181	2696	3127
85	2159	2313	2930

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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	974	974	974	974	974
2.5	991	982	975	970	964
5.0	994	986	980	974	969
7.5	998	989	983	978	973
10.0	999	991	984	979	975
12.5	998	990	983	978	976
15.0	993	988	980	976	977
17.5	988	986	977	977	978
20.0	983	983	976	978	977
22.5	980	979	977	979	976
25.0	977	974	975	980	971
27.5	973	967	972	978	971
30.0	966	958	967	976	973
32.5	954	949	961	976	977
35.0	941	944	957	976	980
37.5	929	938	955	976	980
40.0	918	930	951	975	983
42.5	909	920	946	977	989
45.0	898	907	939	980	994
47.5	884	894	931	981	995
50.0	863	880	922	977	993
52.5	838	864	911	968	996
55.0	810	842	894	957	998
57.5	779	813	869	947	996
60.0	749	777	841	932	982
62.5	716	739	807	907	954
65.0	676	700	769	866	916
67.5	625	657	723	809	861
70.0	563	608	667	741	795
72.5	493	551	597	661	709
75.0	420	483	519	569	602
77.5	342	408	426	464	482
80.0	269	330	324	361	371
82.5	202	247	229	267	275
85.0	140	160	150	182	190
87.5	78	81	78	93	90
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	372.13	N.A.	8.40
0-30	823.23	N.A.	18.50
0-40	1425.76	N.A.	32.10
0-60	2957.92	N.A.	66.50
0-80	4268.44	N.A.	96.00
0-90	4448.17	N.A.	100.00
10-90	4354.43	N.A.	97.90
20-40	1053.63	N.A.	23.70
20-50	1782.62	N.A.	40.10
40-70	2300.7	N.A.	51.70
60-80	1310.52	N.A.	29.50
70-80	541.98	N.A.	12.20
80-90	179.73	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	4448.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	93.74
10-20	278.39
20-30	451.10
30-40	602.53
40-50	728.99
50-60	803.17
60-70	768.54
70-80	541.98
80-90	179.73
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

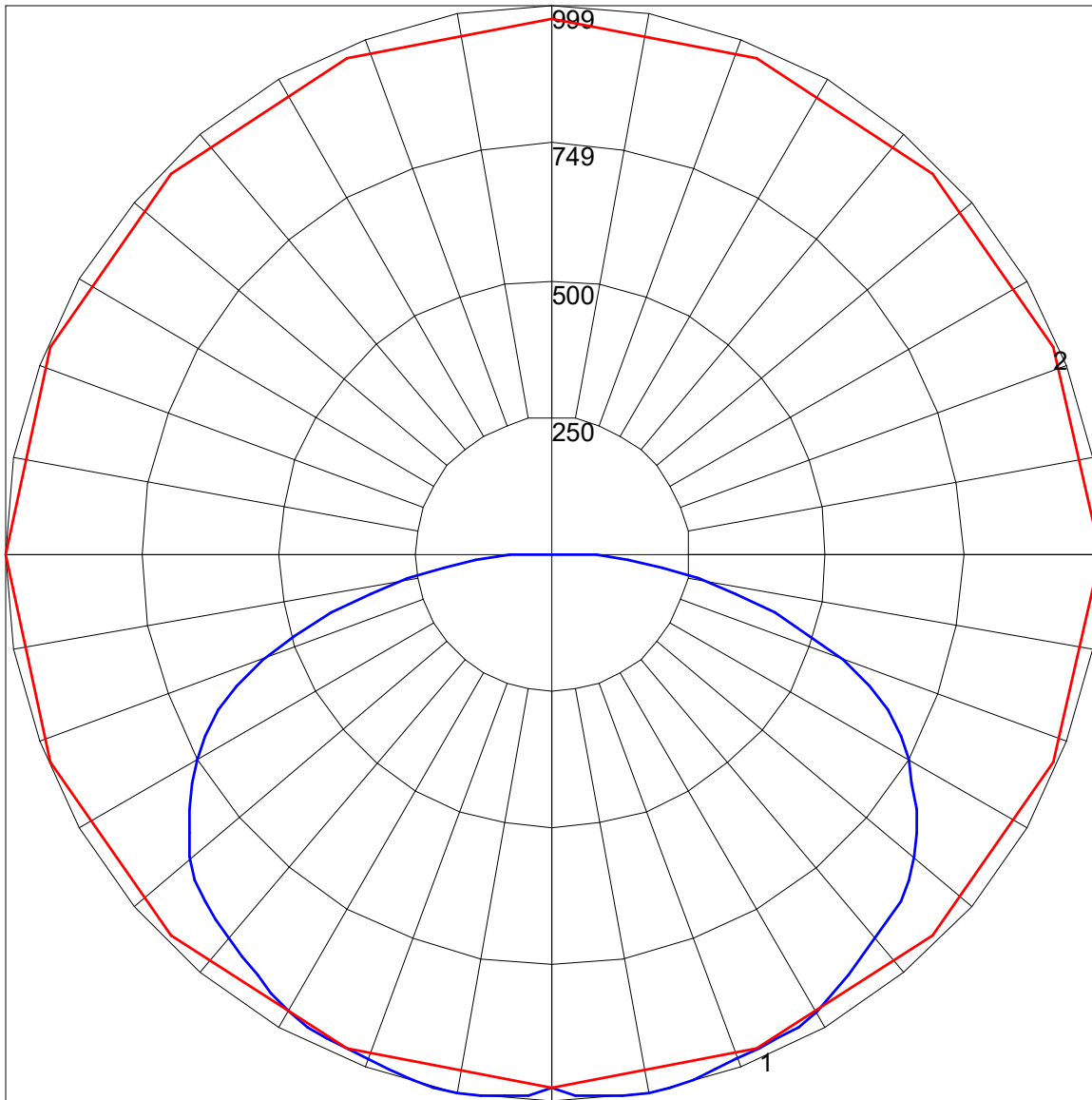
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55	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	38	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

POLAR GRAPH



Maximum Candela = 999 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.)