



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-40W-3500K.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
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CLRT24-FS1-UNV-40W-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	4511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
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	1732	1810	1916
55	1924	2126	2372
65	2179	2481	2955
75	2213	2732	3168
85	2190	2344	2977

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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	988	988	988	988	988
2.5	1005	996	989	984	977
5.0	1008	1000	994	988	983
7.5	1012	1003	997	992	987
10.0	1013	1005	998	993	989
12.5	1012	1004	997	992	990
15.0	1007	1002	994	990	991
17.5	1002	1000	991	991	992
20.0	997	997	990	992	991
22.5	994	993	991	993	990
25.0	991	988	989	994	985
27.5	987	981	986	992	985
30.0	980	971	981	990	987
32.5	967	962	974	990	991
35.0	954	957	970	990	994
37.5	942	951	968	990	994
40.0	931	943	964	989	997
42.5	922	933	959	991	1003
45.0	911	920	952	994	1008
47.5	896	907	944	995	1009
50.0	875	892	935	991	1007
52.5	850	876	924	982	1010
55.0	821	854	907	970	1012
57.5	790	824	881	960	1010
60.0	759	788	853	945	996
62.5	726	749	818	920	967
65.0	685	710	780	878	929
67.5	634	666	733	820	873
70.0	571	617	676	751	806
72.5	500	559	605	670	719
75.0	426	490	526	577	610
77.5	347	414	432	470	489
80.0	273	335	329	366	376
82.5	205	250	232	271	279
85.0	142	162	152	185	193
87.5	79	82	79	94	91
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	377.44	N.A.	8.40
0-30	835.00	N.A.	18.50
0-40	1445.96	N.A.	32.10
0-60	2999.67	N.A.	66.50
0-80	4328.48	N.A.	96.00
0-90	4510.71	N.A.	100.00
10-90	4415.63	N.A.	97.90
20-40	1068.52	N.A.	23.70
20-50	1807.81	N.A.	40.10
40-70	2332.95	N.A.	51.70
60-80	1328.8	N.A.	29.50
70-80	549.56	N.A.	12.20
80-90	182.23	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	4510.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.07
10-20	282.36
20-30	457.56
30-40	610.96
40-50	739.29
50-60	814.43
60-70	779.24
70-80	549.56
80-90	182.23
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

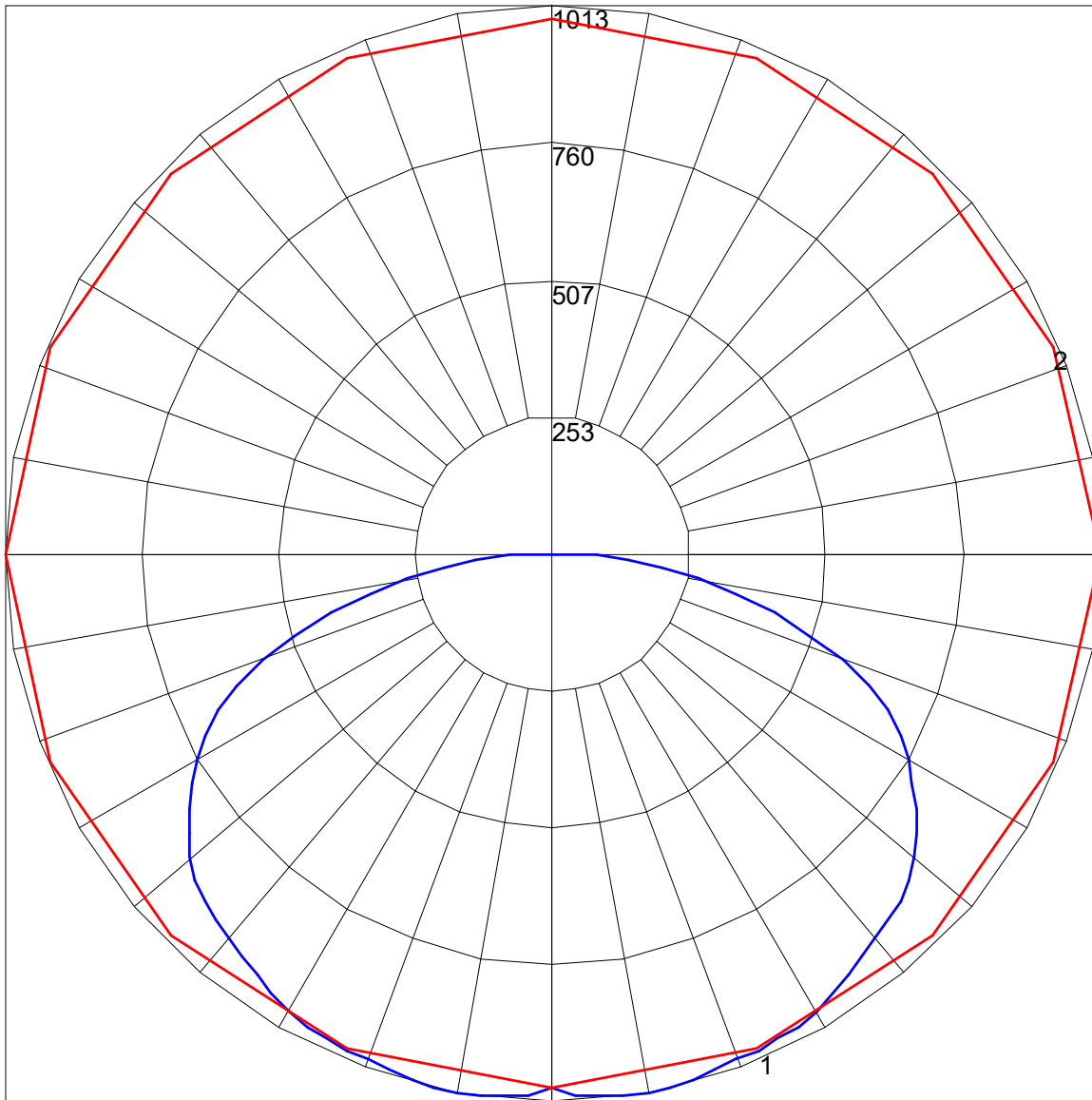
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1013 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.)