



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-50W-3000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13112
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 2/24/2022
[TEST DATE] 12/10/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] CLRT24-FS1-UNV-50W-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	4846
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	49.9
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	1859	1943	2057
55	2065	2278	2547
65	2344	2665	3168
75	2379	2924	3412
85	2360	2529	3131

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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	1062	1062	1062	1062	1062
2.5	1080	1071	1064	1058	1051
5.0	1084	1075	1068	1062	1056
7.5	1088	1078	1072	1066	1060
10.0	1089	1080	1072	1067	1064
12.5	1087	1079	1071	1066	1064
15.0	1082	1077	1068	1064	1065
17.5	1076	1074	1064	1065	1066
20.0	1071	1071	1064	1066	1066
22.5	1068	1068	1064	1068	1063
25.0	1065	1062	1062	1068	1059
27.5	1060	1053	1059	1065	1058
30.0	1052	1043	1053	1064	1061
32.5	1039	1034	1047	1064	1064
35.0	1025	1028	1043	1064	1067
37.5	1012	1022	1040	1064	1068
40.0	1000	1013	1036	1062	1071
42.5	990	1002	1030	1064	1077
45.0	978	988	1022	1067	1082
47.5	962	973	1014	1068	1083
50.0	940	958	1004	1064	1082
52.5	912	941	991	1054	1085
55.0	881	918	972	1043	1087
57.5	849	885	947	1032	1085
60.0	816	847	916	1015	1070
62.5	781	805	880	988	1040
65.0	737	762	838	942	996
67.5	681	716	788	880	939
70.0	614	662	725	806	868
72.5	538	598	652	721	774
75.0	458	526	563	621	657
77.5	371	445	462	507	527
80.0	294	357	354	392	406
82.5	222	269	249	292	301
85.0	153	175	164	200	203
87.5	86	89	86	100	99
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	405.58	N.A.	8.40
0-30	897.14	N.A.	18.50
0-40	1553.6	N.A.	32.10
0-60	3222.11	N.A.	66.50
0-80	4649.63	N.A.	96.00
0-90	4845.72	N.A.	100.00
10-90	4743.53	N.A.	97.90
20-40	1148.02	N.A.	23.70
20-50	1941.83	N.A.	40.10
40-70	2505.64	N.A.	51.70
60-80	1427.52	N.A.	29.50
70-80	590.39	N.A.	12.20
80-90	196.09	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	4845.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.19
10-20	303.39
20-30	491.56
30-40	656.46
40-50	793.80
50-60	874.71
60-70	837.13
70-80	590.39
80-90	196.09
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

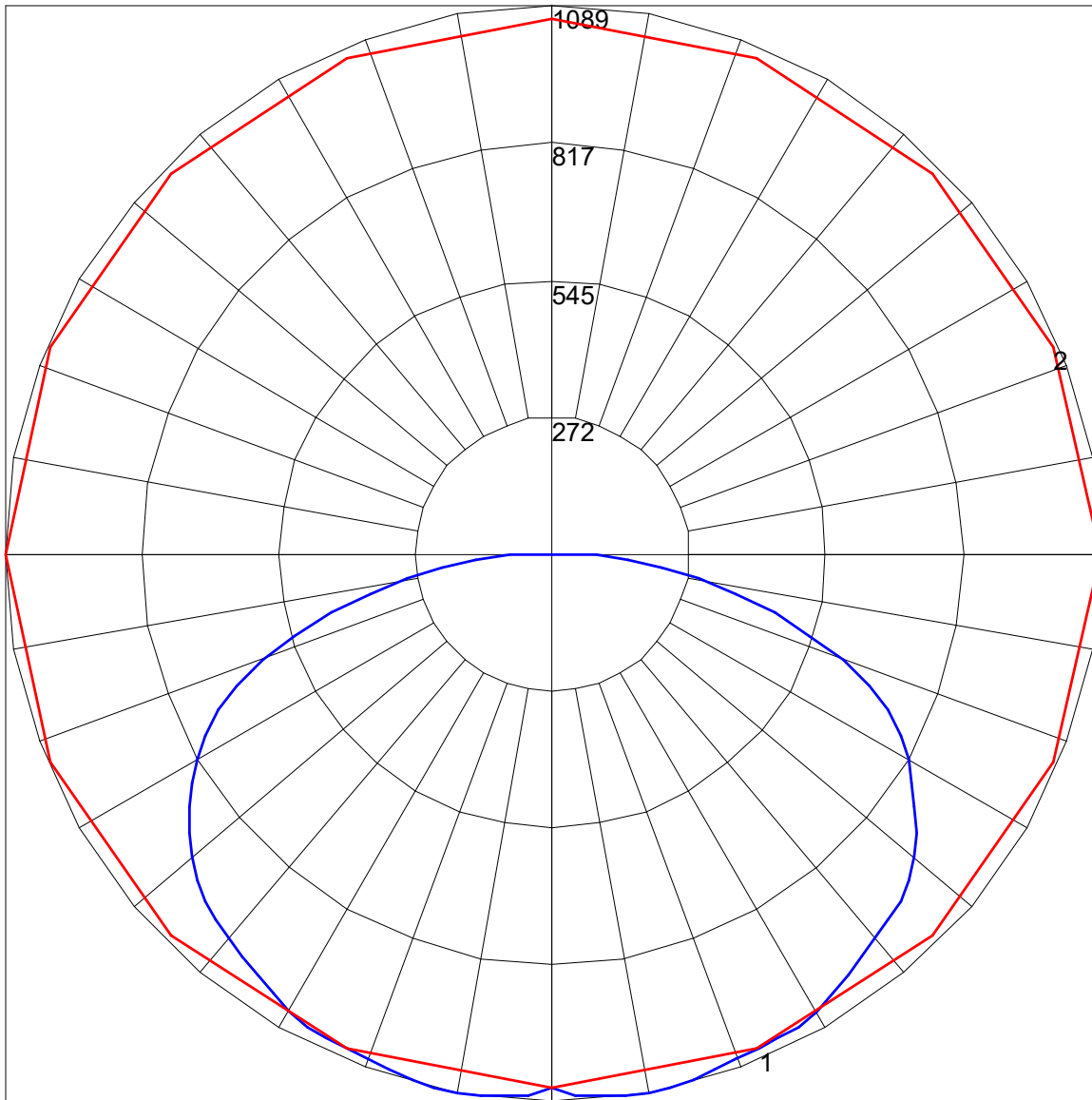
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1089 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.)