



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-50W-4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13110
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 2/24/2022
[TEST DATE] 12/09/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] CLRT24-FS1-UNV-50W-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	5342
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	47.9
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	2053	2144	2268
55	2273	2515	2810
65	2586	2939	3489
75	2607	3230	3760
85	2576	2792	3393

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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	1170	1170	1170	1170	1170
2.5	1191	1179	1172	1165	1158
5.0	1195	1185	1177	1170	1164
7.5	1198	1188	1180	1174	1169
10.0	1200	1190	1182	1176	1172
12.5	1198	1189	1180	1174	1172
15.0	1193	1187	1177	1173	1174
17.5	1187	1184	1173	1173	1175
20.0	1182	1180	1172	1175	1175
22.5	1177	1177	1173	1176	1172
25.0	1175	1170	1172	1177	1167
27.5	1169	1161	1167	1175	1166
30.0	1159	1150	1161	1173	1169
32.5	1146	1140	1155	1173	1173
35.0	1130	1133	1149	1172	1177
37.5	1116	1126	1147	1173	1178
40.0	1103	1118	1143	1172	1181
42.5	1092	1105	1136	1173	1187
45.0	1080	1090	1128	1177	1193
47.5	1062	1073	1118	1178	1194
50.0	1037	1057	1108	1174	1194
52.5	1006	1037	1093	1163	1197
55.0	970	1011	1073	1150	1199
57.5	934	976	1045	1138	1197
60.0	901	933	1011	1120	1181
62.5	861	888	970	1089	1146
65.0	813	841	924	1038	1097
67.5	751	790	868	971	1036
70.0	676	731	800	889	958
72.5	592	660	716	796	853
75.0	502	577	622	686	724
77.5	403	489	511	560	581
80.0	320	395	388	433	447
82.5	242	298	274	321	328
85.0	167	193	181	218	220
87.5	93	98	93	110	110
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	446.96	N.A.	8.40
0-30	988.83	N.A.	18.50
0-40	1712.59	N.A.	32.10
0-60	3552.89	N.A.	66.50
0-80	5126.55	N.A.	96.00
0-90	5341.91	N.A.	100.00
10-90	5229.32	N.A.	97.90
20-40	1265.63	N.A.	23.70
20-50	2141.25	N.A.	40.10
40-70	2763.44	N.A.	51.70
60-80	1573.66	N.A.	29.50
70-80	650.52	N.A.	12.20
80-90	215.36	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	5341.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.59
10-20	334.37
20-30	541.87
30-40	723.76
40-50	875.62
50-60	964.68
60-70	923.14
70-80	650.52
80-90	215.36
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

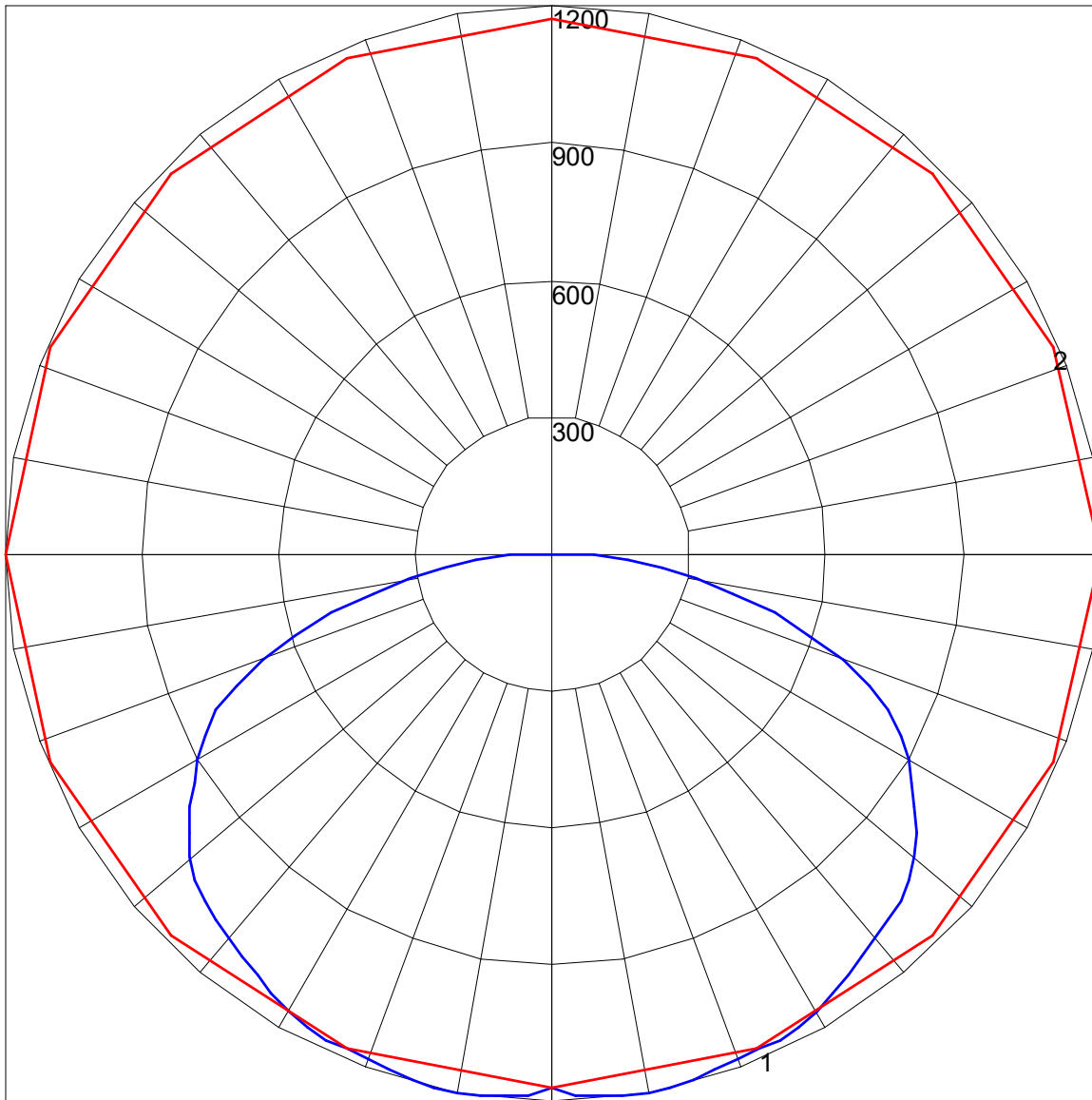
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	56	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 = 1200 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.)