



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT24-FS1-UNV-30W-4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-13114
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 2/24/2022
 [TESTDATE] 12/10/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CLRT24-FS1-UNV-30W-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	3441
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	28.6
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	1321	1382	1462
55	1465	1619	1812
65	1667	1893	2249
75	1667	2077	2431
85	1681	1789	2190

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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	754	754	754	754	754
2.5	767	760	756	751	747
5.0	769	763	758	754	750
7.5	773	766	761	757	753
10.0	774	767	762	758	755
12.5	772	766	761	757	756
15.0	769	765	759	756	756
17.5	764	763	756	756	757
20.0	761	761	756	757	757
22.5	758	758	755	758	755
25.0	756	754	755	759	752
27.5	753	748	752	757	751
30.0	748	741	748	756	753
32.5	739	735	744	756	756
35.0	728	730	741	756	758
37.5	719	726	739	755	759
40.0	711	720	736	755	761
42.5	704	712	732	756	766
45.0	695	702	727	758	769
47.5	684	691	721	759	770
50.0	667	681	714	756	769
52.5	647	668	704	749	770
55.0	625	652	691	741	773
57.5	603	629	673	733	771
60.0	581	602	651	721	758
62.5	555	572	625	701	737
65.0	524	543	595	668	707
67.5	483	508	560	625	668
70.0	435	469	514	574	617
72.5	378	423	461	513	551
75.0	321	372	400	441	468
77.5	263	315	328	358	376
80.0	209	256	251	278	286
82.5	158	194	178	206	209
85.0	109	125	116	140	142
87.5	59	60	59	71	72
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	288.08	N.A.	8.40
0-30	637.20	N.A.	18.50
0-40	1103.6	N.A.	32.10
0-60	2289.19	N.A.	66.50
0-80	3302.37	N.A.	96.00
0-90	3441.13	N.A.	100.00
10-90	3368.56	N.A.	97.90
20-40	815.53	N.A.	23.70
20-50	1379.7	N.A.	40.10
40-70	1780.11	N.A.	51.70
60-80	1013.18	N.A.	29.40
70-80	418.65	N.A.	12.20
80-90	138.76	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	3441.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.57
10-20	215.50
20-30	349.13
30-40	466.40
40-50	564.18
50-60	621.41
60-70	594.52
70-80	418.65
80-90	138.76
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

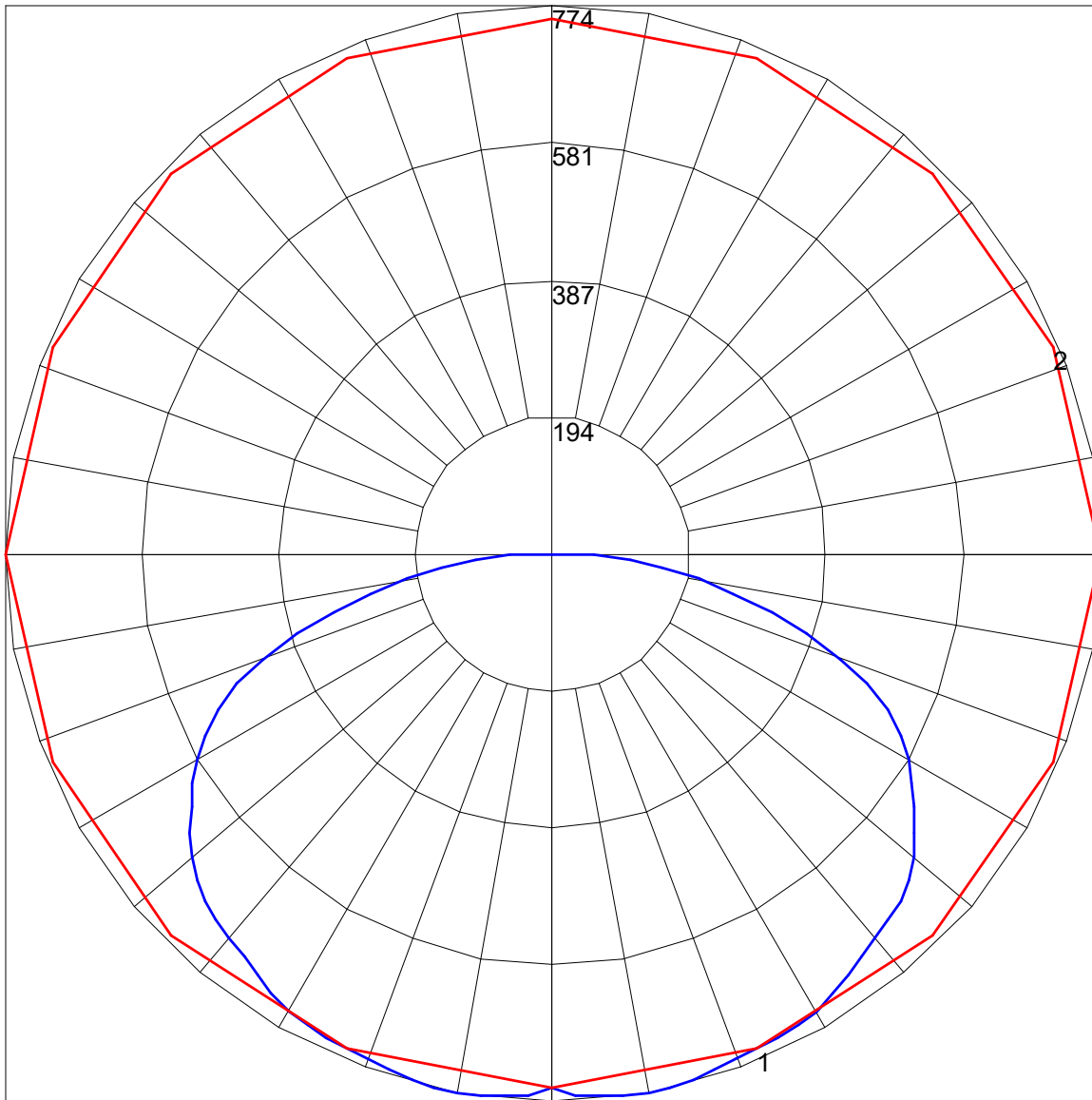
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 774 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.)