



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-30W-4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-13109
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 2/24/2022
 [TEST DATE] 12/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CLRT22-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	3162
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	27.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.58
Spacing Criterion (Diagonal)	1.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	2361	2506	2726
55	2606	2972	3412
65	2971	3524	4396
75	2992	3875	4685
85	3023	3486	4411

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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	681	681	681	681	681
2.5	691	688	682	677	676
5.0	694	691	686	681	679
7.5	697	695	689	684	683
10.0	699	696	690	686	685
12.5	697	695	689	686	687
15.0	692	692	686	684	688
17.5	687	690	685	685	689
20.0	683	689	685	686	689
22.5	682	687	687	689	688
25.0	682	683	686	691	685
27.5	679	676	684	691	685
30.0	674	668	679	690	689
32.5	664	662	675	690	694
35.0	653	658	673	690	700
37.5	642	654	671	691	703
40.0	635	648	669	691	707
42.5	628	640	664	694	712
45.0	621	630	659	698	717
47.5	611	620	655	700	718
50.0	597	611	651	699	718
52.5	578	601	644	693	721
55.0	556	586	634	689	728
57.5	539	566	619	685	732
60.0	519	542	600	679	729
62.5	498	515	578	665	715
65.0	467	488	554	639	691
67.5	431	458	522	600	658
70.0	389	424	481	550	612
72.5	340	383	431	489	545
75.0	288	335	373	418	451
77.5	237	282	305	343	361
80.0	189	227	235	268	278
82.5	144	167	169	204	208
85.0	98	111	113	141	143
87.5	52	56	54	72	74
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	260.76	N.A.	8.20
0-30	577.64	N.A.	18.30
0-40	1001.19	N.A.	31.70
0-60	2084.92	N.A.	65.90
0-80	3030.44	N.A.	95.90
0-90	3161.62	N.A.	100.00
10-90	3095.96	N.A.	97.90
20-40	740.43	N.A.	23.40
20-50	1253.94	N.A.	39.70
40-70	1638.16	N.A.	51.80
60-80	945.52	N.A.	29.90
70-80	391.08	N.A.	12.40
80-90	131.18	N.A.	4.10
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	3161.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.66
10-20	195.11
20-30	316.87
30-40	423.56
40-50	513.51
50-60	570.22
60-70	554.44
70-80	391.08
80-90	131.18
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

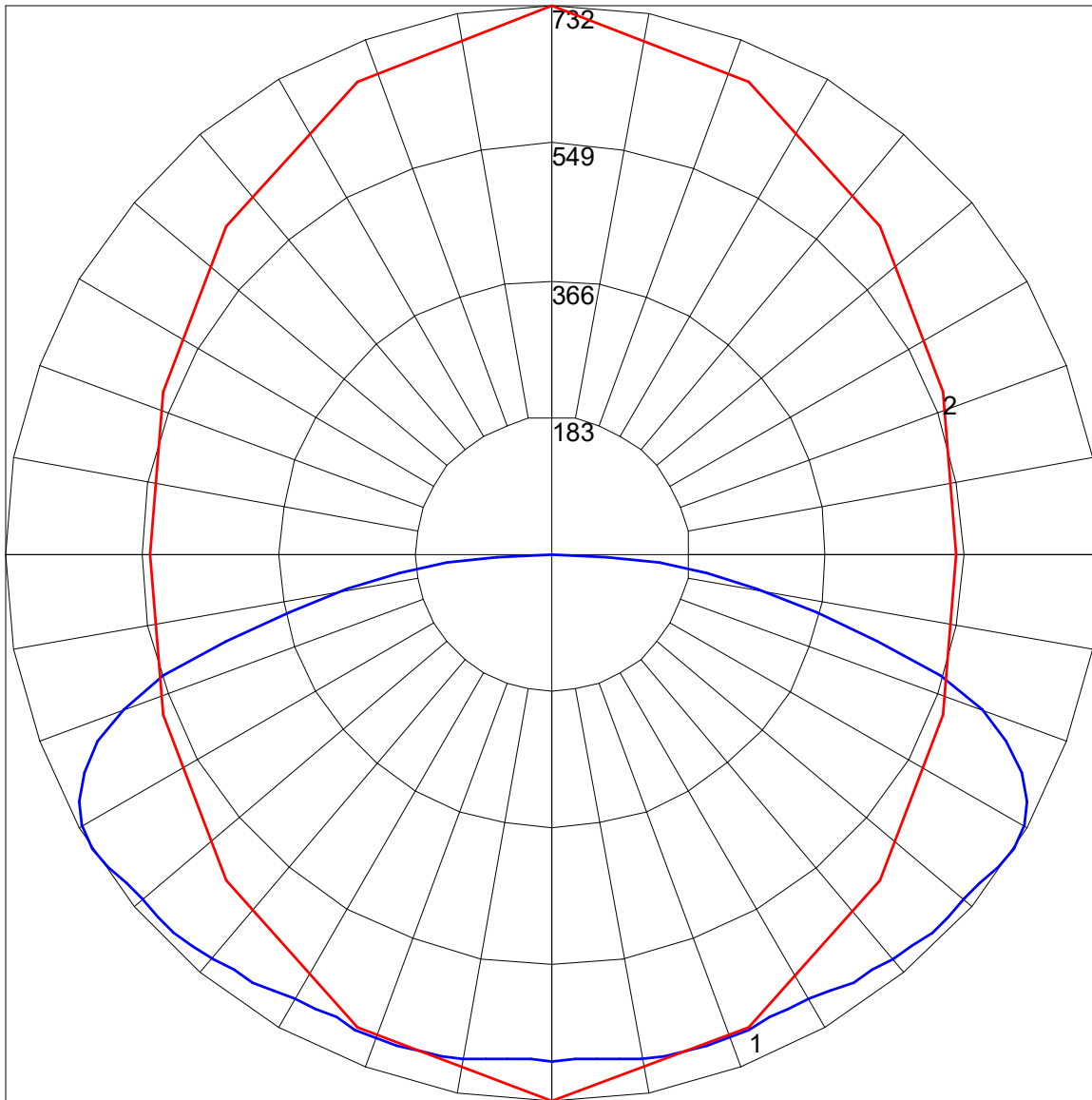
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78
2	95	85	77	70	92	83	75	69	79	73	67	76	70	66	73	68	64	62
3	85	73	63	56	82	71	62	55	68	60	54	65	59	53	62	57	52	50
4	77	63	53	46	75	62	53	45	59	51	45	57	50	44	54	48	43	41
5	70	56	46	38	68	55	45	38	52	44	37	50	43	37	48	42	37	34
6	64	50	40	33	62	49	39	32	47	38	32	45	37	32	43	37	31	29
7	59	45	35	28	58	44	35	28	42	34	28	41	33	28	39	32	27	25
8	55	40	31	25	53	40	31	25	38	30	24	37	30	24	36	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	21	19
10	48	34	25	20	47	33	25	20	32	25	19	31	24	19	30	24	19	17

POLAR GRAPH



Maximum Candela = 732 Located At Horizontal Angle = 90, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)