IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-30W-3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13109
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 2/24/2022
[TESTDATE] 12/09/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRT22-FS1-UNV-30W-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	3206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	2395	2540	2764
55	2644	3014	3459
65	3015	3575	4459
75	3033	3926	4747
85	3054	3547	4473

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	691	691	691	691	691
2.5	701	698	692	686	685
5.0	704	701	696	691	689
7.5	707	705	699	694	693
10.0	709	706	700	696	695
12.5	707	705	699	696	697
15.0	702	702	696	694	698
17.5	697	700	695	695	699
20.0	693	699	695	696	699
22.5	692	697	697	699	698
25.0	692	693	696	701	695
27.5	689	685	694	701	695
30.0	683	677	689	700	699
32.5	673	671	684	700	704
35.0	662	667	682	700	710
37.5	651	663	680	701	713
40.0	644	657	678	701	717
42.5	637	649	673	704	722
45.0	630	639	668	708	727
47.5	620	629	664	710	728
50.0	605	620	660	709	728
52.5	586	609	653	703	731
55.0	564	594	643	699	738
57.5	547	574	628	695	742
60.0	526	550	608	689	739
62.5	505	522	586	674	725
65.0	474	495	562	648	701
67.5	437	464	529	608	667
70.0	394	430	488	558	621
72.5	345	388	437	496	553
75.0	292	340	378	424	457
77.5	240	286	309	348	366
80.0	192	230	238	272	282
82.5	146	169	171	207	211
85.0	99	113	115	143	145
87.5	53	57	55	73	75
90.0	0	0	0	0	0

Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	264.55	N.A.	8.30
0-30	585.99	N.A.	18.30
0-40	1015.46	N.A.	31.70
0-60	2114.49	N.A.	65.90
0-80	3073.22	N.A.	95.80
0-90	3206.29	N.A.	100.00
10-90	3139.68	N.A.	97.90
20-40	750.91	N.A.	23.40
20-50	1271.66	N.A.	39.70
40-70	1661.19	N.A.	51.80
60-80	958.74	N.A.	29.90
70-80	396.57	N.A.	12.40
80-90	133.07	N.A.	4.20
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	3206.29	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.61
10-20	197.94
20-30	321.44
30-40	429.46
40-50	520.75
50-60	578.28
60-70	562.16
70-80	396.57
80-90	133.07
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

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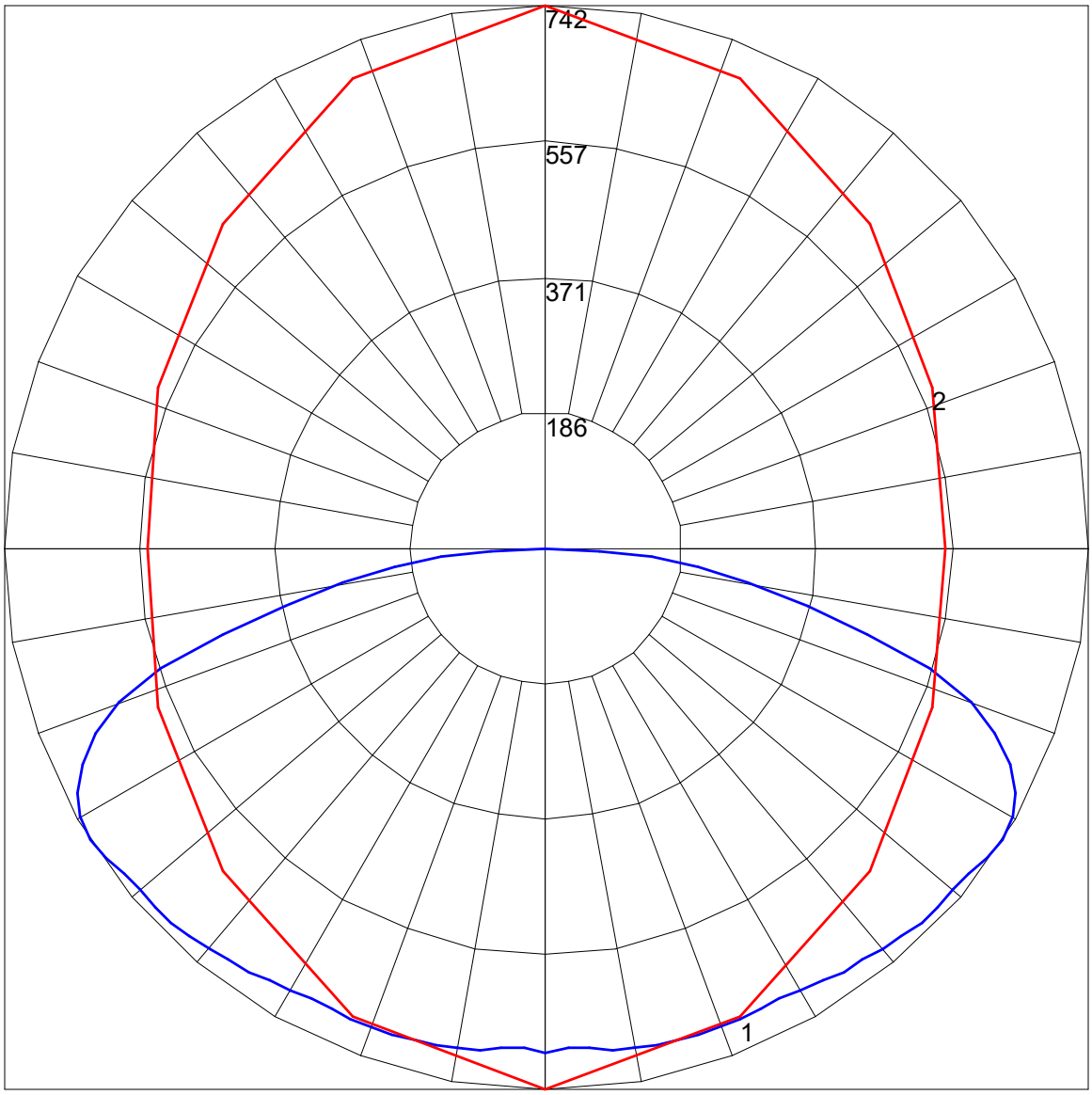
POLAR GRAPH



Maximum Candela = 742 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.)