



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRT22-FS1-UNV-40W-4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-13105
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 2/24/2022
 [TEST DATE] 12/09/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] CLRT22-FS1-UNV-40W-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	4055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	36.7
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	3034	3217	3498
55	3347	3815	4378
65	3823	4523	5662
75	3843	4965	6045
85	3825	4380	5707

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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	874	874	874	874	874
2.5	888	883	876	869	867
5.0	892	888	881	874	872
7.5	895	891	885	878	876
10.0	896	893	886	880	880
12.5	894	892	884	880	881
15.0	889	889	881	879	884
17.5	882	886	879	879	884
20.0	877	884	880	881	885
22.5	876	882	881	885	882
25.0	875	876	880	887	879
27.5	871	867	877	887	880
30.0	864	858	871	886	885
32.5	852	849	867	886	891
35.0	838	844	863	886	899
37.5	823	839	861	886	903
40.0	813	831	858	887	907
42.5	807	821	852	891	915
45.0	798	808	846	896	920
47.5	785	796	840	898	921
50.0	767	784	835	896	922
52.5	741	771	827	890	926
55.0	714	752	814	884	934
57.5	690	725	794	880	940
60.0	666	694	769	872	937
62.5	636	660	742	855	919
65.0	601	626	711	819	890
67.5	555	588	670	768	842
70.0	500	544	618	704	781
72.5	437	492	553	626	693
75.0	370	429	478	536	582
77.5	304	361	391	439	466
80.0	240	286	301	347	359
82.5	179	214	214	261	268
85.0	124	142	142	178	185
87.5	67	73	70	89	87
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	334.75	N.A.	8.30
0-30	741.40	N.A.	18.30
0-40	1284.9	N.A.	31.70
0-60	2675.58	N.A.	66.00
0-80	3888.25	N.A.	95.90
0-90	4055.25	N.A.	100.00
10-90	3970.96	N.A.	97.90
20-40	950.15	N.A.	23.40
20-50	1609.13	N.A.	39.70
40-70	2102.03	N.A.	51.80
60-80	1212.67	N.A.	29.90
70-80	501.33	N.A.	12.40
80-90	166.99	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	4055.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.28
10-20	250.46
20-30	406.65
30-40	543.50
40-50	658.99
50-60	731.70
60-70	711.34
70-80	501.33
80-90	166.99
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

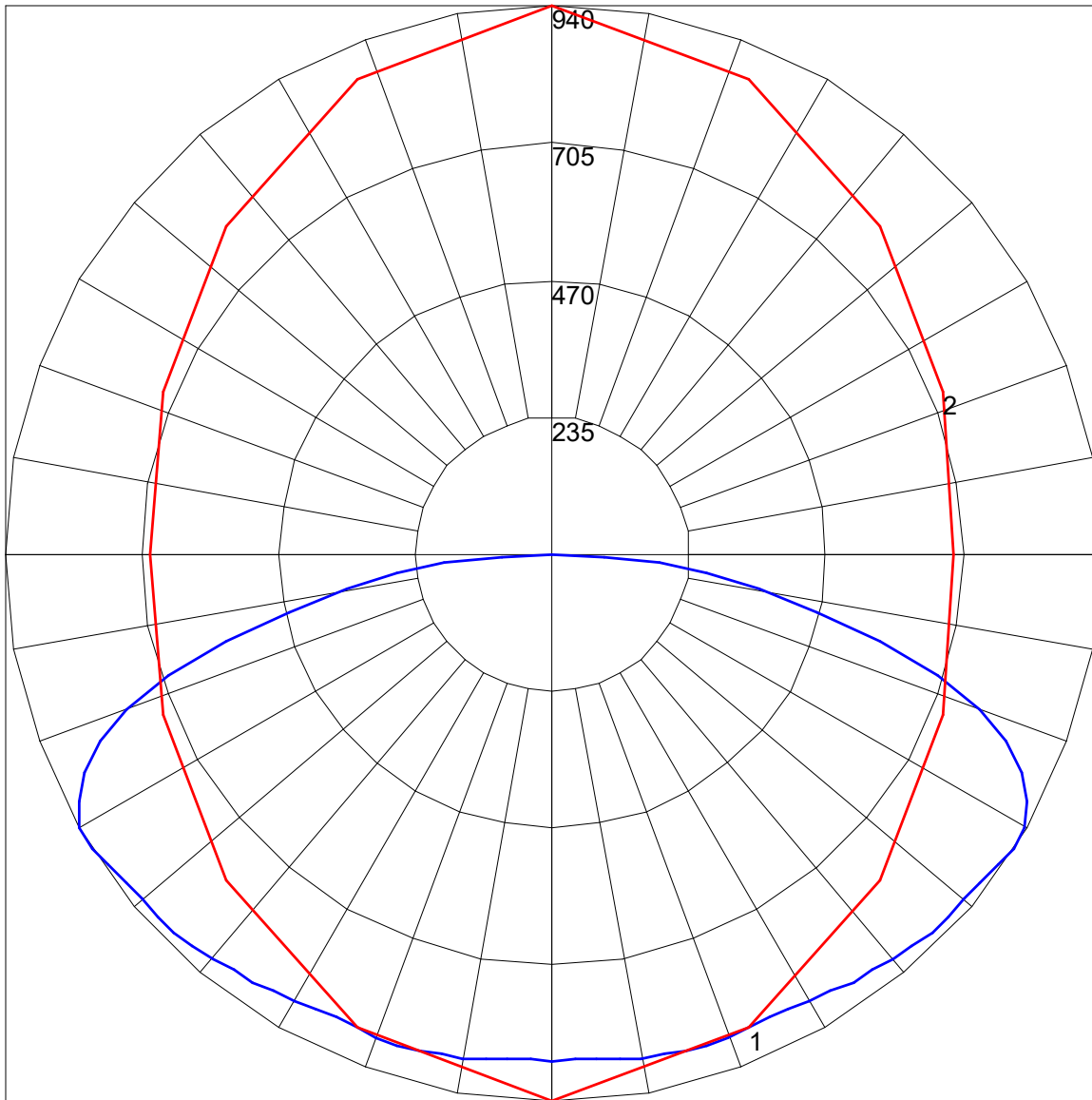
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55	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 = 940 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.)