



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-8-LED-HO-835-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12481
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 02/16/21
[TEST DATE] 02/10/21
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] 88RK-8-LED-HO-835-UE
[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	10150
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	70
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.13 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4864	4314	3993
55	4221	3591	3283
65	3431	2843	2669
75	2773	2273	2351
85	2198	1903	2249

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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	3537	3537	3537	3537	3537
2.5	3593	3563	3541	3519	3505
5.0	3595	3565	3541	3519	3505
7.5	3591	3559	3537	3513	3501
10.0	3579	3549	3525	3499	3487
12.5	3563	3533	3503	3479	3469
15.0	3539	3505	3477	3451	3439
17.5	3503	3471	3443	3415	3399
20.0	3463	3431	3401	3369	3351
22.5	3411	3383	3343	3309	3291
25.0	3349	3319	3281	3243	3221
27.5	3269	3243	3203	3161	3137
30.0	3181	3155	3115	3069	3041
32.5	3077	3057	3009	2961	2927
35.0	2963	2939	2893	2839	2801
37.5	2835	2811	2761	2707	2663
40.0	2693	2673	2619	2559	2514
42.5	2545	2522	2466	2398	2350
45.0	2382	2362	2304	2232	2188
47.5	2214	2196	2138	2066	2016
50.0	2038	2024	1964	1898	1850
52.5	1864	1838	1788	1728	1690
55.0	1688	1664	1620	1568	1534
57.5	1498	1490	1456	1414	1384
60.0	1332	1326	1292	1270	1248
62.5	1172	1168	1146	1130	1118
65.0	1022	1022	1008	1002	994
67.5	880	884	878	886	886
70.0	750	758	764	782	786
72.5	628	638	656	690	702
75.0	518	528	562	610	626
77.5	408	432	478	534	554
80.0	318	344	396	464	486
82.5	234	264	322	390	418
85.0	154	184	252	320	342
87.5	76	114	182	254	274
90.0	8	52	128	198	218
92.5	0	38	112	178	194
95.0	0	38	110	170	184
97.5	0	38	108	162	176
100.0	0	38	106	156	168
102.5	0	38	104	150	160
105.0	0	36	102	144	156
107.5	2	38	98	140	150
110.0	2	38	96	134	146
112.5	2	36	92	130	142
115.0	2	34	88	126	138
117.5	2	32	86	120	132
120.0	2	30	80	116	126
122.5	2	30	78	110	120
125.0	2	28	74	104	114
127.5	2	26	68	98	108
130.0	2	24	62	92	102
132.5	2	20	58	88	96

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CANDELA TABULATION - (Cont.)

135.0	2	18	52	78	88
137.5	2	12	48	70	78
140.0	2	8	42	62	70
142.5	2	4	38	56	62
145.0	2	2	34	50	56
147.5	2	2	30	44	50
150.0	2	2	24	38	44
152.5	2	2	20	34	38
155.0	2	2	10	28	32
157.5	2	2	4	22	26
160.0	2	2	2	12	18
162.5	2	2	2	4	8
165.0	2	2	2	2	2
167.5	2	2	2	2	2
170.0	2	2	2	2	2
172.5	2	2	2	2	2
175.0	2	2	2	2	2
177.5	2	2	2	2	2
180.0	2	2	2	2	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1320.77	N.A.	13.00
0-30	2831.38	N.A.	27.90
0-40	4633.79	N.A.	45.70
0-60	7848.49	N.A.	77.30
0-80	9461.35	N.A.	93.20
0-90	9739.16	N.A.	96.00
10-90	9401.46	N.A.	92.60
20-40	3313.02	N.A.	32.60
20-50	5081.19	N.A.	50.10
40-70	4221.66	N.A.	41.60
60-80	1612.85	N.A.	15.90
70-80	605.89	N.A.	6.00
80-90	277.82	N.A.	2.70
90-110	209.52	N.A.	2.10
90-120	288.33	N.A.	2.80
90-130	347.33	N.A.	3.40
90-150	403.10	N.A.	4.00
90-180	411.08	N.A.	4.00
110-180	201.56	N.A.	2.00
0-180	10150.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	337.70
10-20	983.07
20-30	1510.61
30-40	1802.41
40-50	1768.17
50-60	1446.53
60-70	1006.96
70-80	605.89
80-90	277.82
90-100	113.80
100-110	95.71
110-120	78.81
120-130	59.01
130-140	37.35
140-150	18.42
150-160	6.91
160-170	0.87
170-180	0.19

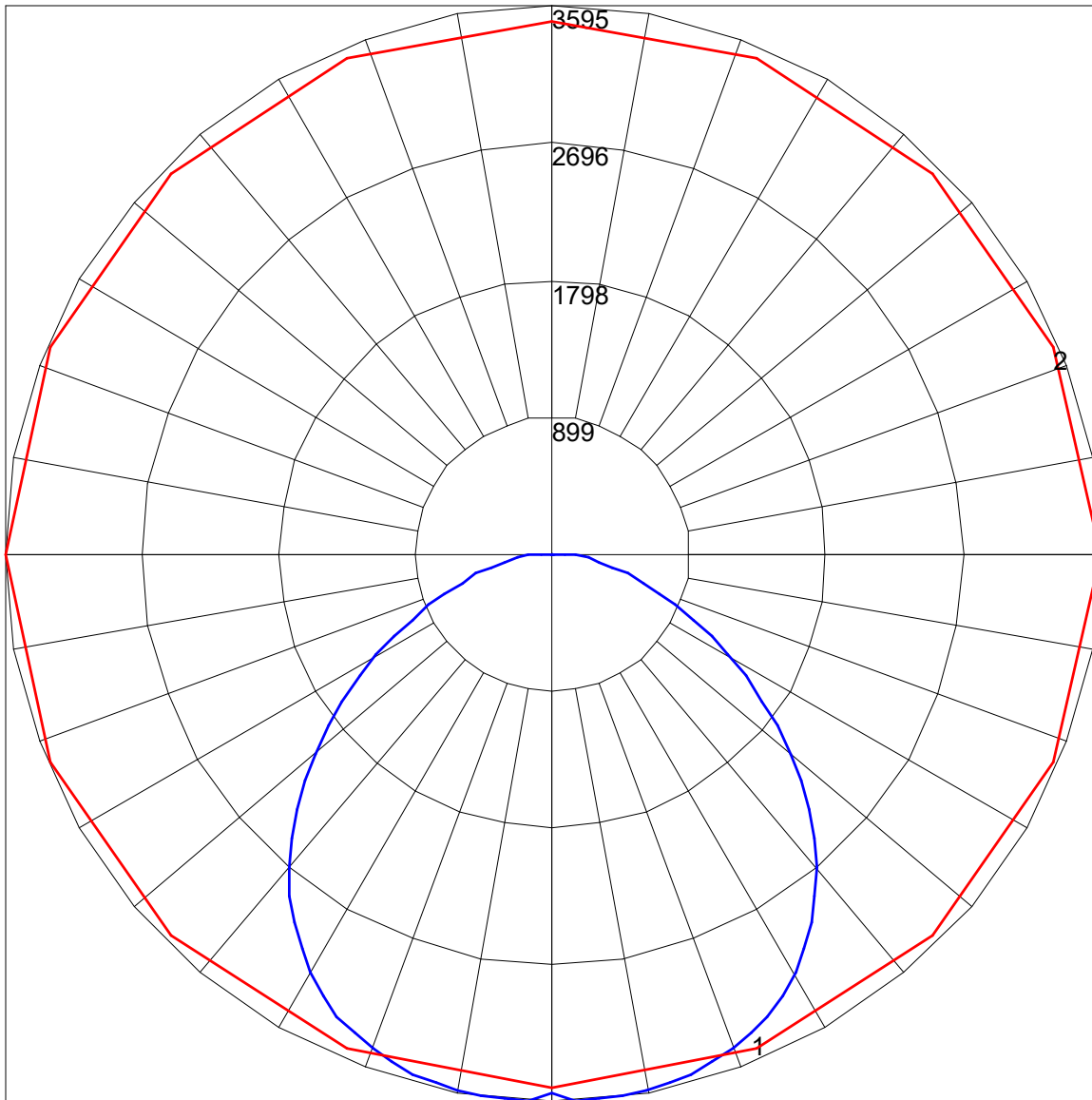
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	108	103	99	95	105	100	97	93	95	92	89	91	88	86	87	85	83	80
2	98	90	84	78	95	88	82	77	84	79	74	80	76	72	76	73	70	67
3	90	80	72	65	87	78	70	64	74	68	63	71	66	61	68	63	60	57
4	82	71	62	56	80	69	61	55	66	59	54	63	57	53	61	56	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	55	49	45	43
6	70	57	48	42	68	56	48	42	54	46	41	52	45	40	50	44	40	38
7	65	52	43	37	63	51	43	37	49	42	36	47	41	36	46	40	35	33
8	61	47	39	33	59	47	39	33	45	38	33	43	37	32	42	36	32	30
9	57	44	35	30	55	43	35	30	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	38	31	27	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 3595 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)