



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-8-LED-HO-840-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12481
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 02/16/21
[TESTDATE] 02/10/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] 88RK-8-LED-HO-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	4803	4262	3946
55	4171	3546	3244
65	3391	2809	2636
75	2741	2248	2321
85	2170	1872	2223

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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	3492	3492	3492	3492	3492
2.5	3548	3518	3496	3476	3462
5.0	3550	3520	3496	3476	3462
7.5	3546	3514	3492	3470	3458
10.0	3534	3504	3480	3456	3444
12.5	3518	3488	3460	3436	3426
15.0	3494	3462	3434	3408	3396
17.5	3460	3428	3400	3372	3356
20.0	3420	3388	3358	3326	3310
22.5	3368	3340	3302	3268	3250
25.0	3308	3278	3240	3202	3180
27.5	3228	3202	3162	3122	3098
30.0	3142	3116	3076	3030	3002
32.5	3038	3018	2972	2924	2890
35.0	2926	2902	2856	2804	2766
37.5	2800	2776	2726	2672	2630
40.0	2660	2640	2586	2526	2484
42.5	2512	2492	2436	2368	2322
45.0	2352	2334	2276	2204	2162
47.5	2186	2170	2112	2040	1992
50.0	2014	2000	1940	1874	1828
52.5	1842	1816	1766	1706	1670
55.0	1668	1644	1600	1548	1516
57.5	1480	1472	1438	1396	1368
60.0	1316	1310	1276	1254	1232
62.5	1158	1154	1132	1116	1104
65.0	1010	1010	996	990	982
67.5	870	874	868	876	876
70.0	740	748	754	772	776
72.5	620	630	648	682	694
75.0	512	522	556	602	618
77.5	404	426	472	528	548
80.0	314	340	392	458	480
82.5	232	260	318	386	412
85.0	152	182	248	316	338
87.5	76	112	180	250	270
90.0	8	52	126	196	216
92.5	0	38	110	176	192
95.0	0	38	108	168	182
97.5	0	38	106	160	174
100.0	0	38	104	154	166
102.5	0	38	102	148	158
105.0	0	36	100	142	154
107.5	2	38	96	138	148
110.0	2	38	94	132	144
112.5	2	36	90	128	140
115.0	2	34	86	124	136
117.5	2	32	84	118	130
120.0	2	30	80	114	124
122.5	2	30	78	108	118
125.0	2	28	74	102	112
127.5	2	26	68	96	106
130.0	2	24	62	90	100
132.5	2	20	58	86	94

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CANDELA TABULATION - (Cont.)

135.0	2	18	52	78	86
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	1304.27	N.A.	13.00
0-30	2795.97	N.A.	27.90
0-40	4575.75	N.A.	45.60
0-60	7751.12	N.A.	77.30
0-80	9344.5	N.A.	93.20
0-90	9618.84	N.A.	95.90
10-90	9285.37	N.A.	92.60
20-40	3271.47	N.A.	32.60
20-50	5017.99	N.A.	50.10
40-70	4170.21	N.A.	41.60
60-80	1593.39	N.A.	15.90
70-80	598.54	N.A.	6.00
80-90	274.34	N.A.	2.70
90-110	206.83	N.A.	2.10
90-120	284.46	N.A.	2.80
90-130	342.80	N.A.	3.40
90-150	398.29	N.A.	4.00
90-180	406.26	N.A.	4.10
110-180	199.43	N.A.	2.00
0-180	10025.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	333.48
10-20	970.79
20-30	1491.7
30-40	1779.78
40-50	1746.52
50-60	1428.85
60-70	994.85
70-80	598.54
80-90	274.34
90-100	112.44
100-110	94.39
110-120	77.63
120-130	58.34
130-140	37.07
140-150	18.42
150-160	6.91
160-170	0.87
170-180	0.19

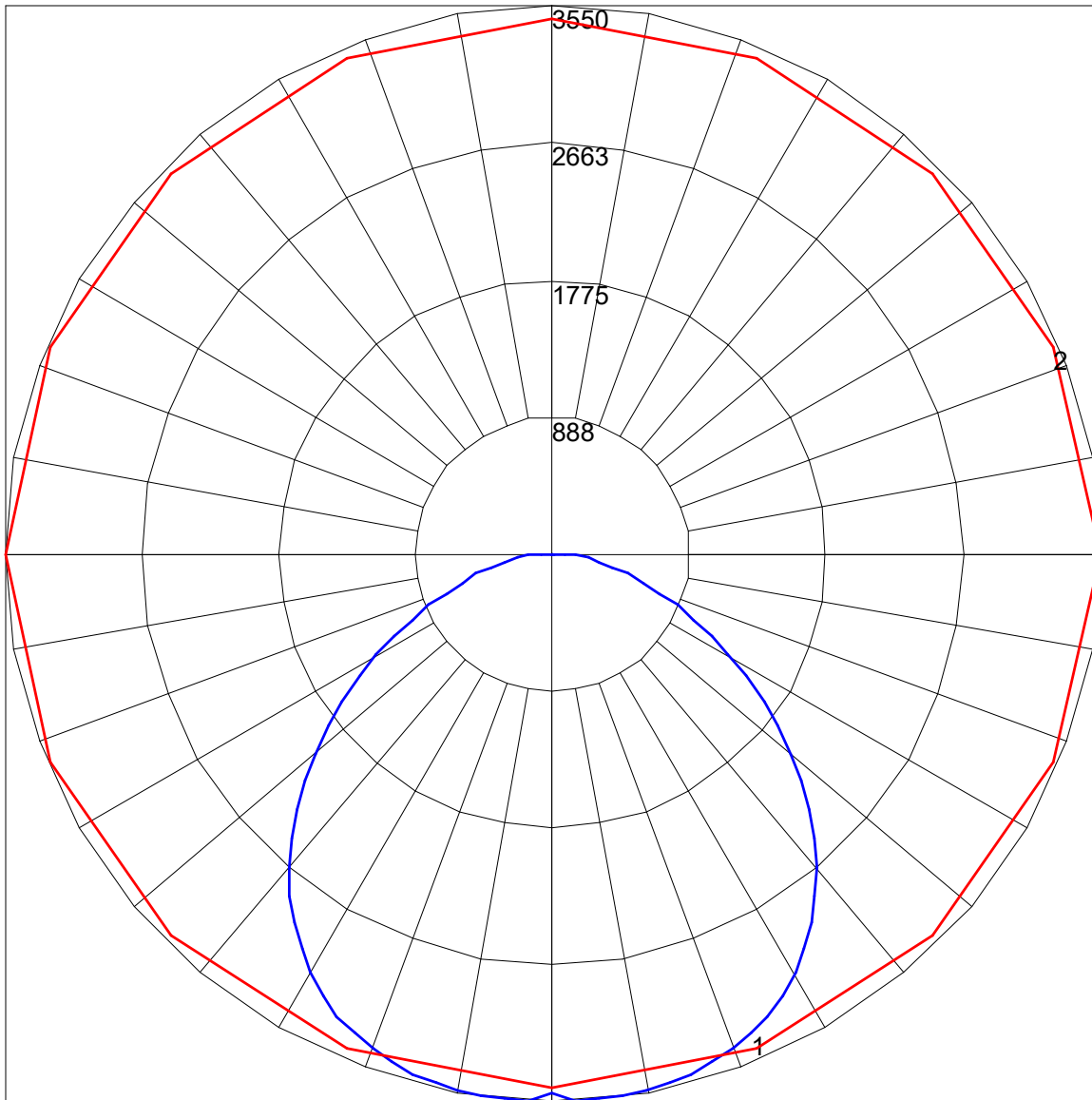
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	39	32	27	38	31	27	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 3550 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.)