



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-2-LED-HO-840-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12484
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 02/16/21
[TESTDATE] 02/11/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] 88RK-2-LED-HO-840-UE
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2381
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	18
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 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	4208	3905	3847
55	3521	3177	3141
65	2742	2453	2567
75	2077	1902	2238
85	1256	1446	2157

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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	849	849	849	849	849
2.5	861	857	849	844	842
5.0	861	857	849	844	842
7.5	859	856	848	842	841
10.0	855	852	845	840	838
12.5	849	846	840	835	834
15.0	842	839	833	829	828
17.5	832	830	824	820	819
20.0	820	818	813	809	808
22.5	806	804	800	796	794
25.0	788	787	783	779	778
27.5	768	767	763	759	757
30.0	744	744	741	736	734
32.5	718	717	714	710	708
35.0	688	687	684	680	677
37.5	654	653	652	646	644
40.0	616	616	616	610	607
42.5	578	579	576	571	568
45.0	539	540	537	531	527
47.5	498	499	496	490	487
50.0	458	459	455	448	446
52.5	416	417	414	408	405
55.0	375	377	373	369	367
57.5	335	336	334	332	331
60.0	295	298	298	298	298
62.5	259	260	263	266	267
65.0	224	226	230	236	239
67.5	192	196	201	209	212
70.0	163	168	174	185	189
72.5	137	142	150	162	168
75.0	113	119	128	143	149
77.5	91	97	109	125	132
80.0	70	76	91	108	116
82.5	50	57	73	92	99
85.0	32	40	56	75	82
87.5	15	24	41	59	65
90.0	2	12	29	45	49
92.5	0	9	26	41	46
95.0	0	9	26	40	43
97.5	0	9	25	38	42
100.0	0	9	25	37	40
102.5	0	9	24	36	39
105.0	0	9	24	35	38
107.5	0	9	23	34	37
110.0	0	9	23	33	36
112.5	0	9	22	32	35
115.0	0	8	21	31	34
117.5	0	8	21	30	33
120.0	0	7	20	29	31
122.5	0	7	19	27	30
125.0	0	7	18	26	28
127.5	0	6	17	24	27
130.0	0	5	15	23	25
132.5	0	5	14	21	23

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CANDELA TABULATION - (Cont.)

135.0	1	4	13	19	22
137.5	0	3	12	17	19
140.0	0	3	11	16	18
142.5	0	2	9	14	16
145.0	1	1	8	13	14
147.5	1	1	7	11	12
150.0	0	1	6	10	11
152.5	0	1	5	8	9
155.0	0	1	3	7	8
157.5	0	0	1	5	6
160.0	1	1	1	4	5
162.5	1	1	1	2	3
165.0	0	0	0	0	0
167.5	1	1	1	1	1
170.0	1	1	1	1	1
172.5	1	1	1	1	1
175.0	1	1	1	1	1
177.5	0	0	0	0	0
180.0	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	316.49	N.A.	13.30
0-30	676.83	N.A.	28.40
0-40	1103.02	N.A.	46.30
0-60	1849.02	N.A.	77.70
0-80	2218.56	N.A.	93.20
0-90	2281.77	N.A.	95.80
10-90	2200.75	N.A.	92.40
20-40	786.52	N.A.	33.00
20-50	1198.74	N.A.	50.30
40-70	976.65	N.A.	41.00
60-80	369.54	N.A.	15.50
70-80	138.89	N.A.	5.80
80-90	63.21	N.A.	2.70
90-110	49.53	N.A.	2.10
90-120	68.80	N.A.	2.90
90-130	83.24	N.A.	3.50
90-150	97.09	N.A.	4.10
90-180	99.22	N.A.	4.20
110-180	49.69	N.A.	2.10
0-180	2380.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.03
10-20	235.47
20-30	360.34
30-40	426.18
40-50	412.21
50-60	333.79
60-70	230.65
70-80	138.89
80-90	63.21
90-100	26.58
100-110	22.95
110-120	19.26
120-130	14.44
130-140	9.13
140-150	4.71
150-160	1.74
160-170	0.31
170-180	0.08

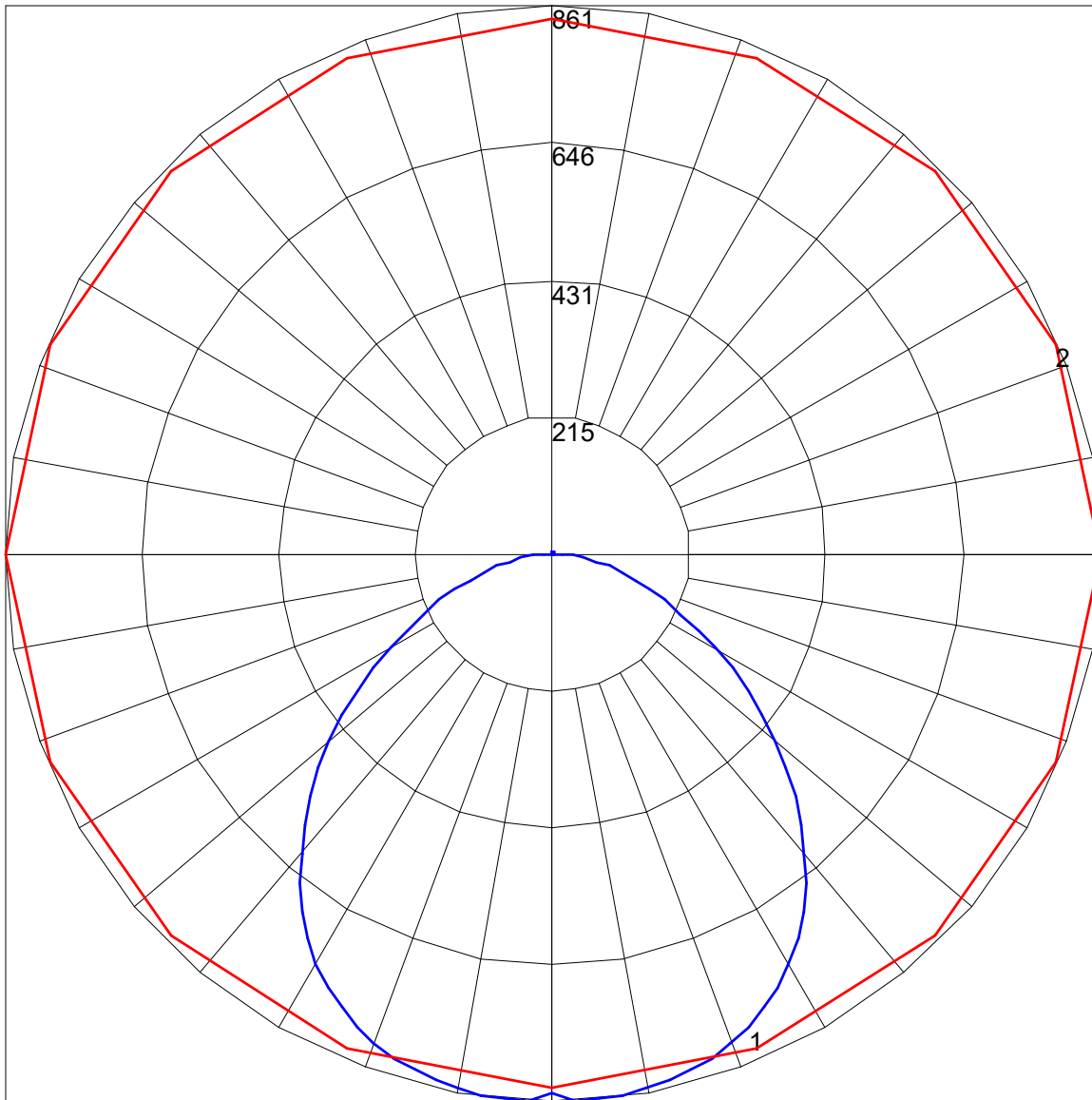
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	77	73	70	68
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	68	64	60	58
4	83	71	62	56	80	69	61	55	66	60	54	64	58	53	61	56	52	50
5	76	64	55	48	74	62	54	48	60	53	47	57	51	46	55	50	45	43
6	70	57	49	42	68	56	48	42	54	47	41	52	46	41	50	44	40	38
7	65	52	44	38	63	51	43	37	49	42	37	48	41	36	46	40	36	34
8	61	48	39	34	59	47	39	33	45	38	33	44	37	33	42	36	32	30
9	57	44	36	30	55	43	35	30	42	35	30	40	34	29	39	33	29	27
10	53	40	33	28	52	40	32	27	39	32	27	37	31	27	36	31	26	25

POLAR GRAPH



Maximum Candela = 861 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)