



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 88RK-2-LED-HO-835-UE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12484  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 02/16/21  
[TEST DATE] 02/11/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] 88RK-2-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	2376
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	4200	3898	3840
55	3511	3168	3133
65	2729	2442	2556
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	847	847	847	847	847
2.5	859	855	847	842	840
5.0	859	855	847	842	840
7.5	857	854	846	840	839
10.0	853	850	843	838	836
12.5	847	844	838	833	832
15.0	840	837	831	827	826
17.5	830	828	822	818	817
20.0	818	816	811	807	806
22.5	804	802	798	794	792
25.0	786	785	781	777	776
27.5	766	765	761	757	755
30.0	742	742	739	734	732
32.5	716	715	712	708	706
35.0	686	685	682	678	675
37.5	652	651	650	644	642
40.0	614	614	614	608	605
42.5	577	578	575	570	567
45.0	538	539	536	530	526
47.5	497	498	495	489	486
50.0	457	458	454	447	445
52.5	415	416	413	407	404
55.0	374	376	372	368	366
57.5	334	335	333	331	330
60.0	294	297	297	297	297
62.5	258	259	262	265	266
65.0	223	225	229	235	238
67.5	192	196	200	208	211
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	315.73	N.A.	13.30
0-30	675.15	N.A.	28.40
0-40	1100.08	N.A.	46.30
0-60	1844.32	N.A.	77.60
0-80	2213.09	N.A.	93.20
0-90	2276.3	N.A.	95.80
10-90	2195.47	N.A.	92.40
20-40	784.34	N.A.	33.00
20-50	1195.69	N.A.	50.30
40-70	974.12	N.A.	41.00
60-80	368.77	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	2375.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	80.84
10-20	234.90
20-30	359.41
30-40	424.93
40-50	411.35
50-60	332.89
60-70	229.88
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

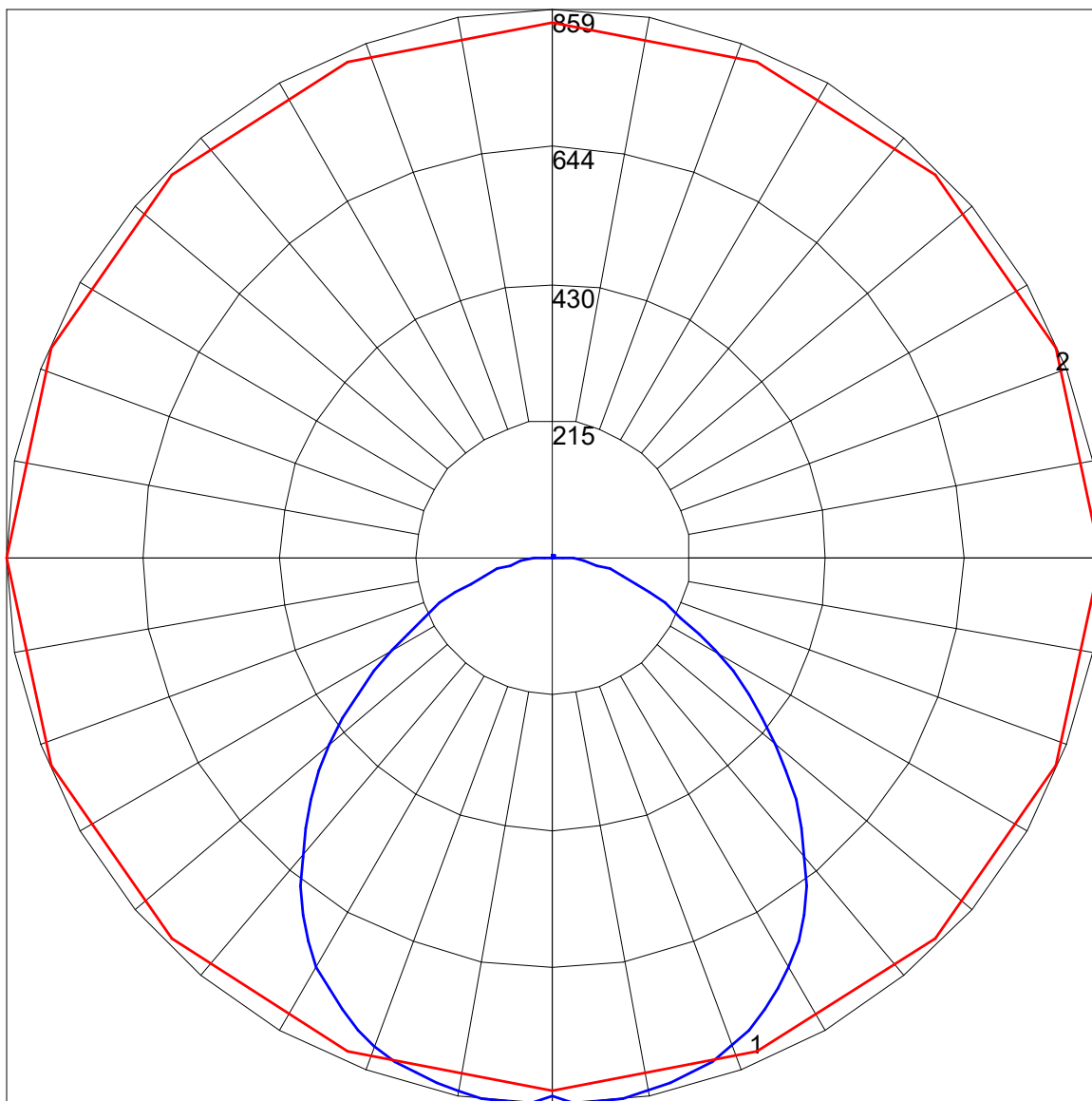
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	76	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 = 859 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.)