



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 88RK-2-LED-HO-850-UE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12491  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 02/16/21  
[TESTDATE] 02/15/21  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] 88RK-2-LED-HO-850-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] 5000

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2482
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
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	4396	4080	4000
55	3671	3313	3287
65	2864	2559	2642
75	2168	1992	2343
85	1335	1523	2210

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 88RK-2-LED-HO-850-UE.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	886	886	886	886	886
2.5	898	895	886	880	879
5.0	899	895	887	881	880
7.5	897	893	885	880	879
10.0	894	890	882	876	875
12.5	887	884	877	872	870
15.0	880	877	871	865	864
17.5	870	867	860	856	854
20.0	857	855	849	844	844
22.5	843	840	835	831	829
25.0	826	823	817	814	811
27.5	804	802	797	793	790
30.0	778	778	773	769	766
32.5	750	748	745	741	738
35.0	716	717	714	710	707
37.5	682	682	679	675	671
40.0	644	645	642	636	633
42.5	605	605	602	596	594
45.0	563	564	561	554	548
47.5	521	522	518	510	506
50.0	478	478	475	467	464
52.5	435	435	431	426	423
55.0	391	393	389	386	384
57.5	348	350	348	347	346
60.0	307	309	310	311	311
62.5	270	272	273	277	279
65.0	234	237	240	246	246
67.5	202	205	209	217	220
70.0	171	175	181	191	196
72.5	144	148	156	169	176
75.0	118	124	134	149	156
77.5	95	100	113	131	138
80.0	73	79	94	112	121
82.5	53	60	76	95	103
85.0	34	41	59	78	84
87.5	16	25	42	61	67
90.0	2	12	30	47	52
92.5	1	9	27	43	48
95.0	1	9	26	41	46
97.5	1	9	26	40	44
100.0	0	9	26	39	42
102.5	0	9	25	38	40
105.0	0	9	25	36	39
107.5	0	9	24	35	38
110.0	0	9	23	34	37
112.5	0	9	23	33	36
115.0	0	8	22	32	35
117.5	0	8	21	31	34
120.0	0	7	20	29	32
122.5	0	7	19	28	30
125.0	0	6	18	26	29
127.5	0	6	17	25	27
130.0	0	5	15	23	25
132.5	0	5	14	21	24

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 88RK-2-LED-HO-850-UE.IES

CANDELA TABULATION - (Cont.)

135.0	0	4	13	19	22
137.5	0	3	11	17	20
140.0	0	3	10	15	17
142.5	0	2	9	14	15
145.0	0	1	8	12	14
147.5	0	1	7	11	12
150.0	1	1	6	10	11
152.5	1	1	5	8	9
155.0	1	1	3	7	8
157.5	1	1	2	6	7
160.0	0	0	1	4	5
162.5	1	0	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	0	0	1	1	0
175.0	0	1	1	1	1
177.5	1	0	1	1	1
180.0	1	1	1	1	1

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 88RK-2-LED-HO-850-UE.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	330.50	N.A.	13.30
0-30	706.95	N.A.	28.50
0-40	1151.74	N.A.	46.40
0-60	1930.16	N.A.	77.80
0-80	2315.17	N.A.	93.30
0-90	2380.85	N.A.	95.90
10-90	2296.25	N.A.	92.50
20-40	821.23	N.A.	33.10
20-50	1251.53	N.A.	50.40
40-70	1018.72	N.A.	41.00
60-80	385.01	N.A.	15.50
70-80	144.71	N.A.	5.80
80-90	65.68	N.A.	2.60
90-110	51.39	N.A.	2.10
90-120	71.12	N.A.	2.90
90-130	85.66	N.A.	3.50
90-150	99.29	N.A.	4.00
90-180	101.49	N.A.	4.10
110-180	50.11	N.A.	2.00
0-180	2482.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	84.60
10-20	245.90
20-30	376.45
30-40	444.78
40-50	430.30
50-60	348.13
60-70	240.29
70-80	144.71
80-90	65.68
90-100	27.69
100-110	23.70
110-120	19.73
120-130	14.54
130-140	9.06
140-150	4.57
150-160	1.86
160-170	0.27
170-180	0.07

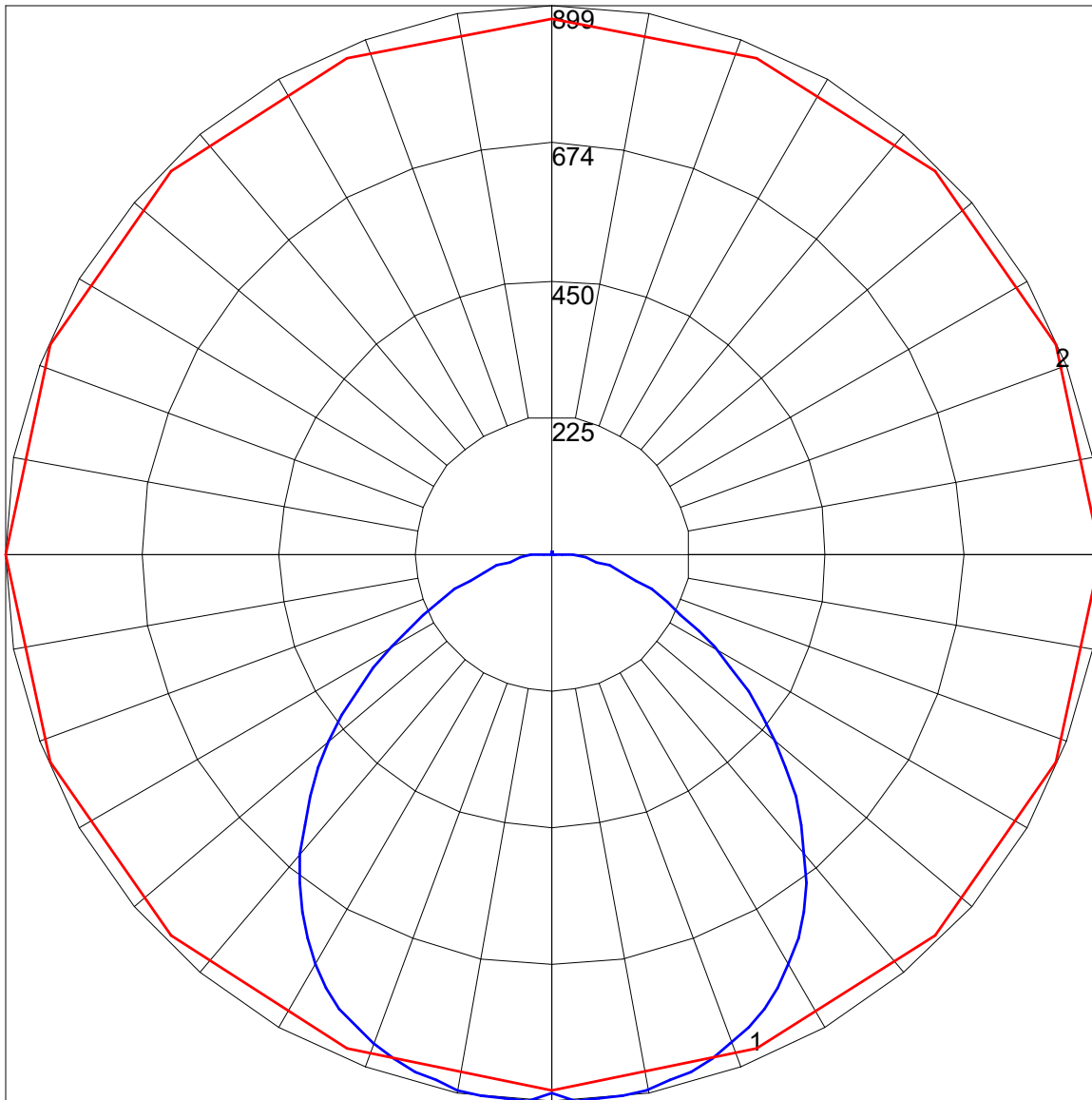
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 88RK-2-LED-HO-850-UE.IES**

**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	101	97	93	96	92	90	91	88	86	87	85	83	80
2	99	90	84	78	96	88	82	77	84	79	75	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	63	56	80	69	62	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	71	58	49	43	68	56	48	42	54	47	41	52	46	41	50	45	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	27	25

POLAR GRAPH



Maximum Candela = 899 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.)