



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 88RK-8-LED-SS-850-UE.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] LED-12483  
 [TESTLAB] LSI INDUSTRIES, INC.  
 [ISSUEDATE] 02/16/21  
 [TESTDATE] 02/11/21  
 [MANUFAC] LSI INDUSTRIES, INC.  
 [LUMCAT] 88RK-8-LED-SS-850-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] 5000

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6882
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
Total Luminaire Watts	45
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	3298	2929	2712
55	2848	2438	2228
65	2327	1926	1807
75	1874	1537	1581
85	1485	1284	1532

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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	2400	2400	2400	2400	2400
2.5	2441	2419	2402	2388	2378
5.0	2443	2419	2402	2388	2376
7.5	2439	2417	2398	2384	2374
10.0	2433	2408	2390	2374	2364
12.5	2421	2396	2378	2361	2351
15.0	2402	2378	2359	2341	2331
17.5	2380	2355	2337	2316	2306
20.0	2349	2327	2304	2286	2274
22.5	2314	2294	2267	2247	2233
25.0	2272	2251	2224	2200	2186
27.5	2222	2202	2173	2145	2128
30.0	2161	2145	2112	2079	2063
32.5	2092	2075	2045	2006	1981
35.0	2014	1998	1965	1924	1897
37.5	1928	1912	1875	1832	1803
40.0	1834	1818	1777	1732	1703
42.5	1726	1709	1672	1627	1599
45.0	1615	1597	1564	1517	1486
47.5	1497	1484	1448	1405	1374
50.0	1378	1368	1329	1288	1264
52.5	1259	1249	1212	1176	1147
55.0	1139	1131	1100	1063	1041
57.5	1022	1016	988	955	940
60.0	910	904	881	855	842
62.5	801	795	777	763	754
65.0	693	693	683	679	673
67.5	599	595	597	601	599
70.0	505	511	517	532	536
72.5	423	431	444	468	476
75.0	350	360	380	411	421
77.5	282	296	323	358	374
80.0	221	237	270	309	325
82.5	164	180	219	262	278
85.0	104	125	170	217	233
87.5	51	74	123	170	186
90.0	10	37	84	129	143
92.5	0	27	76	119	131
95.0	0	27	74	114	125
97.5	0	27	72	108	119
100.0	0	27	72	104	114
102.5	0	27	70	100	108
105.0	0	25	67	98	106
107.5	0	27	65	94	102
110.0	0	25	63	90	98
112.5	0	25	61	88	96
115.0	0	22	59	84	92
117.5	0	22	57	82	90
120.0	0	20	55	78	86
122.5	0	20	53	74	82
125.0	0	18	49	70	76
127.5	0	16	47	65	72
130.0	2	16	43	61	67
132.5	2	14	39	57	63

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CANDELA TABULATION - (Cont.)

135.0	2	10	35	53	59
137.5	2	8	31	47	53
140.0	2	6	29	43	47
142.5	2	4	25	37	43
145.0	2	2	22	33	37
147.5	2	2	20	29	33
150.0	2	2	16	27	29
152.5	2	2	12	22	25
155.0	2	2	8	18	20
157.5	2	2	2	14	16
160.0	2	2	2	8	12
162.5	2	2	2	2	6
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	896.13	N.A.	13.00
0-30	1921.02	N.A.	27.90
0-40	3144.27	N.A.	45.70
0-60	5325.06	N.A.	77.40
0-80	6417.96	N.A.	93.30
0-90	6605.63	N.A.	96.00
10-90	6376.47	N.A.	92.70
20-40	2248.15	N.A.	32.70
20-50	3447.3	N.A.	50.10
40-70	2863.46	N.A.	41.60
60-80	1092.9	N.A.	15.90
70-80	410.23	N.A.	6.00
80-90	187.66	N.A.	2.70
90-110	141.18	N.A.	2.10
90-120	193.99	N.A.	2.80
90-130	233.46	N.A.	3.40
90-150	270.93	N.A.	3.90
90-180	276.49	N.A.	4.00
110-180	135.31	N.A.	2.00
0-180	6882.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	229.15
10-20	666.97
20-30	1024.89
30-40	1223.25
40-50	1199.16
50-60	981.63
60-70	682.68
70-80	410.23
80-90	187.66
90-100	76.72
100-110	64.46
110-120	52.81
120-130	39.47
130-140	24.97
140-150	12.49
150-160	4.64
160-170	0.73
170-180	0.19

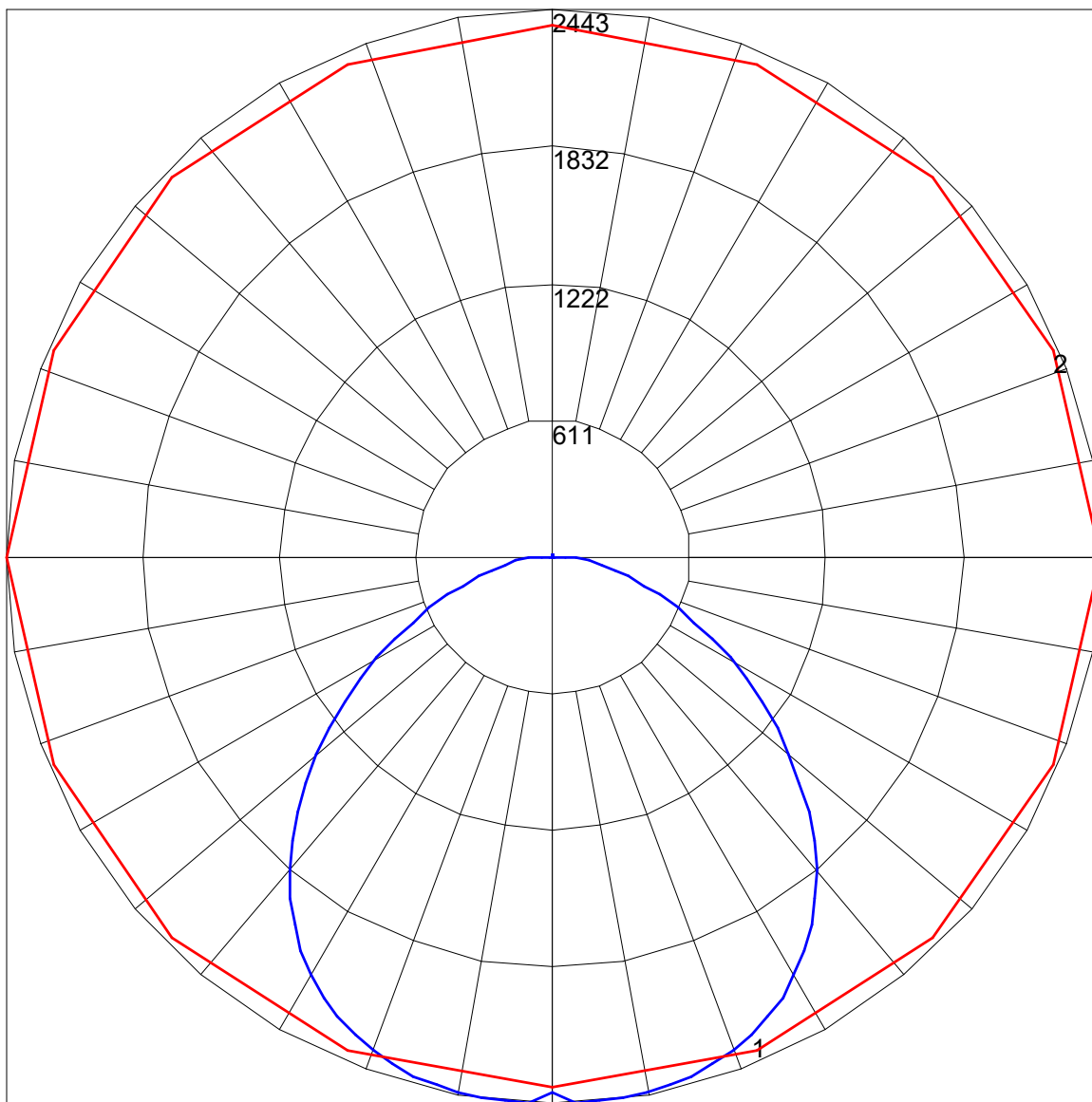
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	52	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	47	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 = 2443 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.)