



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 88RK-2-LED-SS-850-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12486
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 02/16/21
 [TEST DATE] 02/12/21
 [MANUFACT] LSI INDUSTRIES, INC.
 [LUMCAT] 88RK-2-LED-SS-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	1668
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	12
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	2959	2742	2701
55	2469	2240	2208
65	1946	1738	1793
75	1452	1338	1577
85	903	1007	1499

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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	595	595	595	595	595
2.5	603	601	596	591	590
5.0	603	601	596	592	591
7.5	602	599	594	590	590
10.0	600	597	592	588	588
12.5	596	594	589	586	585
15.0	591	589	584	581	581
17.5	584	582	578	575	574
20.0	576	574	570	567	566
22.5	565	563	560	558	557
25.0	551	551	549	546	545
27.5	538	537	535	533	532
30.0	521	521	519	517	516
32.5	502	502	500	498	497
35.0	481	481	480	477	475
37.5	457	457	456	452	450
40.0	432	433	431	427	424
42.5	407	407	404	399	397
45.0	379	380	377	372	370
47.5	350	350	347	343	340
50.0	321	321	319	315	313
52.5	292	291	291	287	285
55.0	263	263	263	259	258
57.5	234	235	234	233	232
60.0	207	209	208	209	208
62.5	182	184	185	186	186
65.0	159	161	163	165	167
67.5	136	138	140	146	148
70.0	116	118	122	129	132
72.5	97	99	105	114	119
75.0	79	83	90	101	105
77.5	64	68	76	88	93
80.0	49	54	64	76	81
82.5	35	40	51	64	69
85.0	23	28	39	53	57
87.5	10	17	28	41	44
90.0	2	9	20	32	35
92.5	0	6	18	29	32
95.0	0	6	18	28	30
97.5	0	6	17	26	29
100.0	0	6	17	26	28
102.5	0	6	17	25	27
105.0	0	6	16	24	26
107.5	0	6	16	23	25
110.0	0	6	16	23	25
112.5	0	6	15	22	24
115.0	0	6	15	21	23
117.5	0	5	14	20	22
120.0	0	5	13	19	21
122.5	0	5	13	18	20
125.0	0	4	12	18	19
127.5	0	4	11	17	18
130.0	0	4	11	16	17
132.5	0	3	10	15	16

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CANDELA TABULATION - (Cont.)

135.0	0	3	9	13	15
137.5	0	2	8	12	13
140.0	0	2	7	11	12
142.5	0	1	6	10	11
145.0	0	1	6	9	10
147.5	0	0	5	8	9
150.0	0	0	4	7	7
152.5	0	0	3	6	7
155.0	0	0	2	5	6
157.5	0	0	1	4	4
160.0	0	0	0	2	3
162.5	1	0	0	1	2
165.0	0	0	0	0	1
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	1	1	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	221.94	N.A.	13.30
0-30	474.51	N.A.	28.50
0-40	773.04	N.A.	46.40
0-60	1296.11	N.A.	77.70
0-80	1555.66	N.A.	93.30
0-90	1599.87	N.A.	95.90
10-90	1543.08	N.A.	92.50
20-40	551.10	N.A.	33.00
20-50	840.13	N.A.	50.40
40-70	685.09	N.A.	41.10
60-80	259.55	N.A.	15.60
70-80	97.53	N.A.	5.80
80-90	44.21	N.A.	2.70
90-110	34.23	N.A.	2.10
90-120	47.33	N.A.	2.80
90-130	57.11	N.A.	3.40
90-150	66.65	N.A.	4.00
90-180	67.91	N.A.	4.10
110-180	33.68	N.A.	2.00
0-180	1667.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.79
10-20	165.15
20-30	252.57
30-40	298.52
40-50	289.04
50-60	234.04
60-70	162.01
70-80	97.53
80-90	44.21
90-100	18.47
100-110	15.76
110-120	13.11
120-130	9.78
130-140	6.32
140-150	3.22
150-160	1.15
160-170	0.10
170-180	0.01

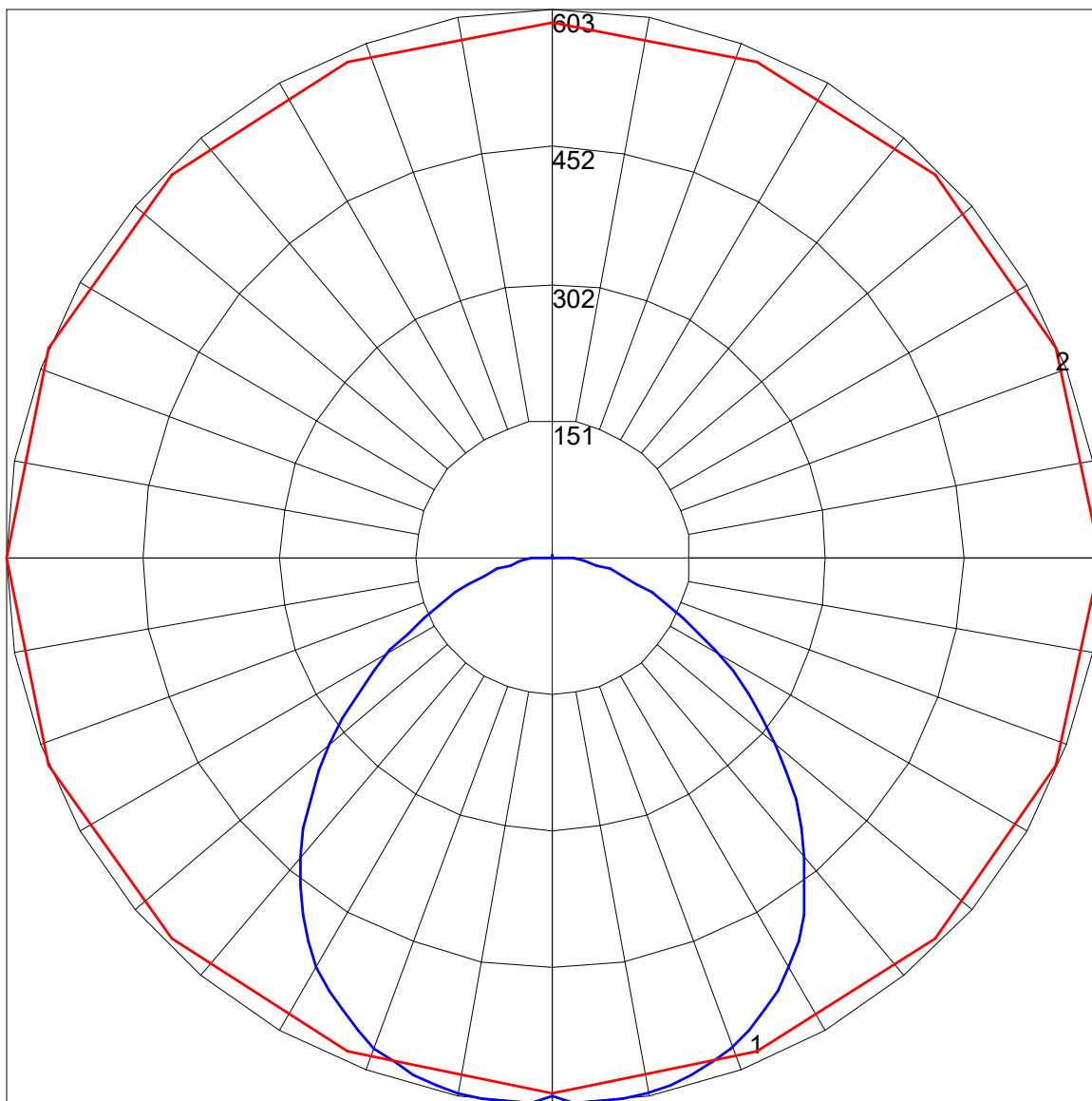
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	97	93	96	92	90	91	88	86	87	85	83	80
2	98	90	84	78	95	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	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	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	26	25

POLAR GRAPH



Maximum Candela = 603 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.)