



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 88RK-2-LED-SS-835-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12485
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 02/16/21
 [TESTDATE] 02/11/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] 88RK-2-LED-SS-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	1572
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	2772	2575	2540
55	2328	2112	2080
65	1811	1632	1697
75	1378	1263	1487
85	824	955	1420

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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	560	560	560	560	560
2.5	568	565	560	557	555
5.0	567	565	560	556	555
7.5	567	564	559	555	555
10.0	564	562	557	554	553
12.5	560	558	553	550	550
15.0	555	553	549	547	546
17.5	549	547	544	541	540
20.0	541	540	536	534	533
22.5	531	530	527	525	524
25.0	520	519	516	514	513
27.5	507	506	504	501	499
30.0	491	491	489	486	484
32.5	473	473	471	468	467
35.0	454	453	451	448	446
37.5	432	431	430	426	424
40.0	407	406	406	402	400
42.5	381	381	381	377	375
45.0	355	356	354	350	348
47.5	329	329	327	324	321
50.0	301	302	300	296	294
52.5	274	276	273	270	268
55.0	248	249	248	244	243
57.5	222	223	221	220	219
60.0	197	197	197	197	197
62.5	172	172	174	176	177
65.0	148	150	153	156	158
67.5	128	130	133	139	141
70.0	108	111	115	123	125
72.5	91	94	99	108	112
75.0	75	78	85	95	99
77.5	60	64	72	83	88
80.0	46	50	60	71	76
82.5	34	38	48	60	65
85.0	21	26	37	50	54
87.5	10	15	27	39	43
90.0	1	8	19	30	33
92.5	0	6	17	27	30
95.0	0	6	17	26	29
97.5	0	6	17	25	28
100.0	0	6	16	24	26
102.5	0	6	16	24	26
105.0	0	6	16	23	25
107.5	0	6	15	22	24
110.0	0	6	15	22	24
112.5	0	6	15	21	23
115.0	0	5	14	20	22
117.5	0	5	14	20	22
120.0	0	5	13	19	21
122.5	0	5	12	18	20
125.0	0	4	12	17	19
127.5	0	4	11	16	18
130.0	0	4	10	15	16
132.5	0	3	9	14	15

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CANDELA TABULATION - (Cont.)

135.0	0	3	8	13	14
137.5	0	2	8	12	13
140.0	0	2	7	10	12
142.5	0	1	6	9	10
145.0	0	1	6	8	9
147.5	0	0	5	7	8
150.0	0	0	4	6	7
152.5	0	0	3	6	6
155.0	0	0	2	5	6
157.5	0	0	1	4	4
160.0	0	0	0	3	3
162.5	0	0	0	1	2
165.0	0	0	0	0	0
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	0	0	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	208.70	N.A.	13.30
0-30	446.40	N.A.	28.40
0-40	727.46	N.A.	46.30
0-60	1220.1	N.A.	77.60
0-80	1464.91	N.A.	93.20
0-90	1506.55	N.A.	95.90
10-90	1453.13	N.A.	92.50
20-40	518.76	N.A.	33.00
20-50	790.63	N.A.	50.30
40-70	645.48	N.A.	41.10
60-80	244.81	N.A.	15.60
70-80	91.97	N.A.	5.90
80-90	41.64	N.A.	2.60
90-110	32.64	N.A.	2.10
90-120	45.36	N.A.	2.90
90-130	54.90	N.A.	3.50
90-150	63.94	N.A.	4.10
90-180	65.16	N.A.	4.10
110-180	32.52	N.A.	2.10
0-180	1571.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.42
10-20	155.28
20-30	237.70
30-40	281.06
40-50	271.88
50-60	220.76
60-70	152.84
70-80	91.97
80-90	41.64
90-100	17.53
100-110	15.11
110-120	12.71
120-130	9.54
130-140	6.03
140-150	3.01
150-160	1.13
160-170	0.09
170-180	0.00

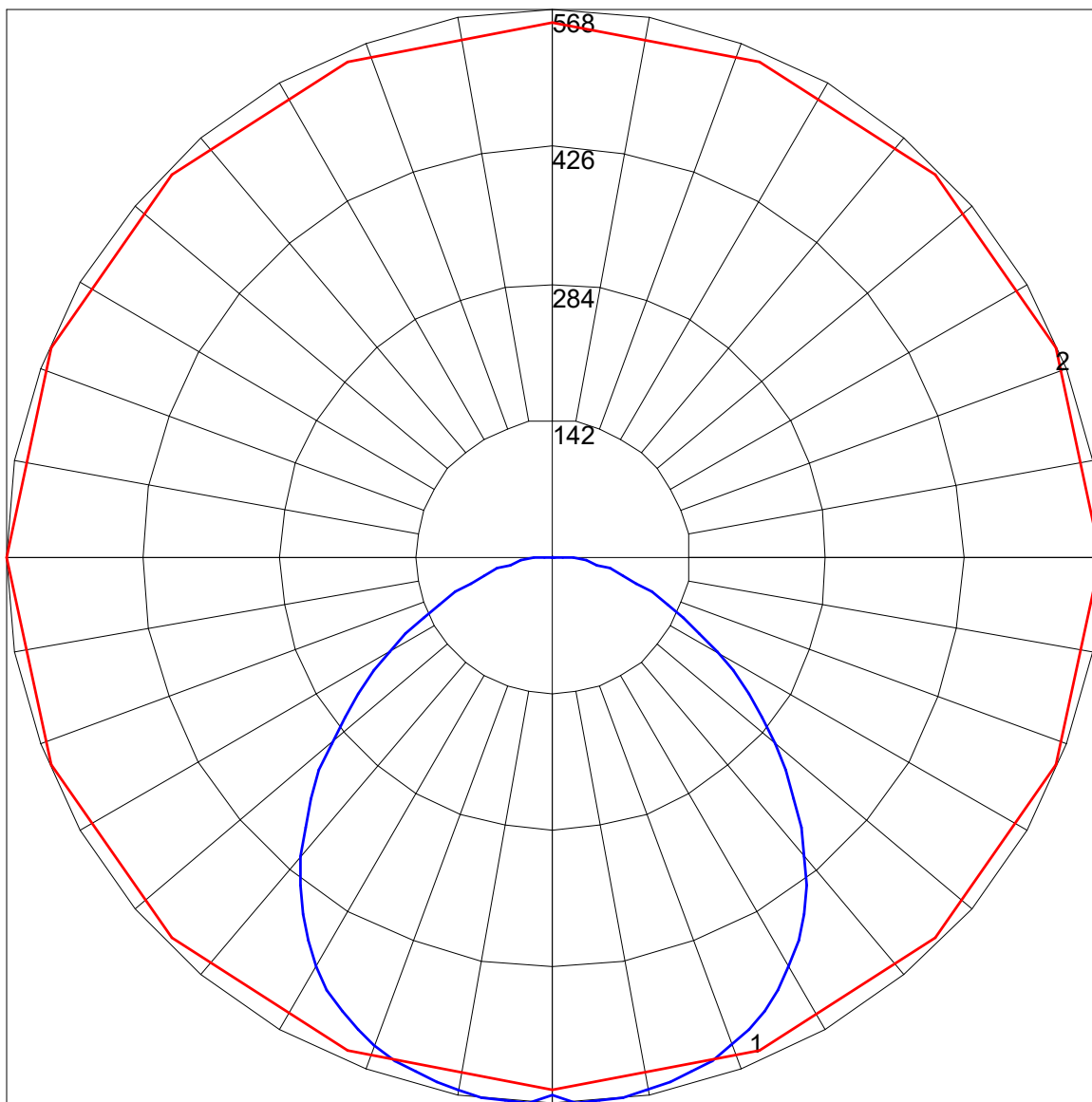
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	47	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 = 568 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.)