



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 88RK-2-LED-SS-840-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12485
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUE DATE] 02/16/21
 [TEST DATE] 02/11/21
 [MANUFACT] LSI INDUSTRIES, INC.
 [LUMCAT] 88RK-2-LED-SS-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1597
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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	2818	2618	2584
55	2366	2146	2114
65	1836	1653	1718
75	1397	1278	1517
85	824	981	1447

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-2-LED-SS-840-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	570	570	570	570	570
2.5	578	575	570	567	564
5.0	577	575	570	565	564
7.5	577	574	569	564	564
10.0	574	572	567	563	562
12.5	570	568	562	559	559
15.0	564	562	558	556	555
17.5	558	556	553	550	549
20.0	550	549	545	543	542
22.5	540	539	536	534	533
25.0	529	528	525	523	522
27.5	516	515	513	510	508
30.0	500	500	497	494	492
32.5	481	481	479	476	475
35.0	462	461	459	456	454
37.5	440	439	438	434	431
40.0	414	413	413	409	407
42.5	388	388	388	384	382
45.0	361	362	360	356	354
47.5	335	335	333	330	327
50.0	307	308	306	302	299
52.5	279	281	278	275	273
55.0	252	253	252	248	247
57.5	225	226	224	223	222
60.0	200	200	200	200	200
62.5	175	175	177	179	180
65.0	150	152	155	158	160
67.5	130	132	135	141	143
70.0	110	113	117	125	127
72.5	92	95	101	110	114
75.0	76	79	86	96	101
77.5	61	65	73	84	89
80.0	47	51	61	72	77
82.5	35	39	49	61	66
85.0	21	26	38	51	55
87.5	10	15	27	40	44
90.0	1	8	19	30	34
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-2-LED-SS-840-UE.IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-2-LED-SS-840-UE.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	212.22	N.A.	13.30
0-30	454.04	N.A.	28.40
0-40	740.04	N.A.	46.30
0-60	1241.25	N.A.	77.70
0-80	1489.79	N.A.	93.30
0-90	1532.13	N.A.	95.90
10-90	1477.78	N.A.	92.50
20-40	527.83	N.A.	33.00
20-50	804.61	N.A.	50.40
40-70	656.39	N.A.	41.10
60-80	248.54	N.A.	15.60
70-80	93.36	N.A.	5.80
80-90	42.34	N.A.	2.70
90-110	32.66	N.A.	2.00
90-120	45.37	N.A.	2.80
90-130	54.91	N.A.	3.40
90-150	63.95	N.A.	4.00
90-180	65.17	N.A.	4.10
110-180	32.52	N.A.	2.00
0-180	1597.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.35
10-20	157.87
20-30	241.83
30-40	286.00
40-50	276.78
50-60	224.42
60-70	155.18
70-80	93.36
80-90	42.34
90-100	17.55
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

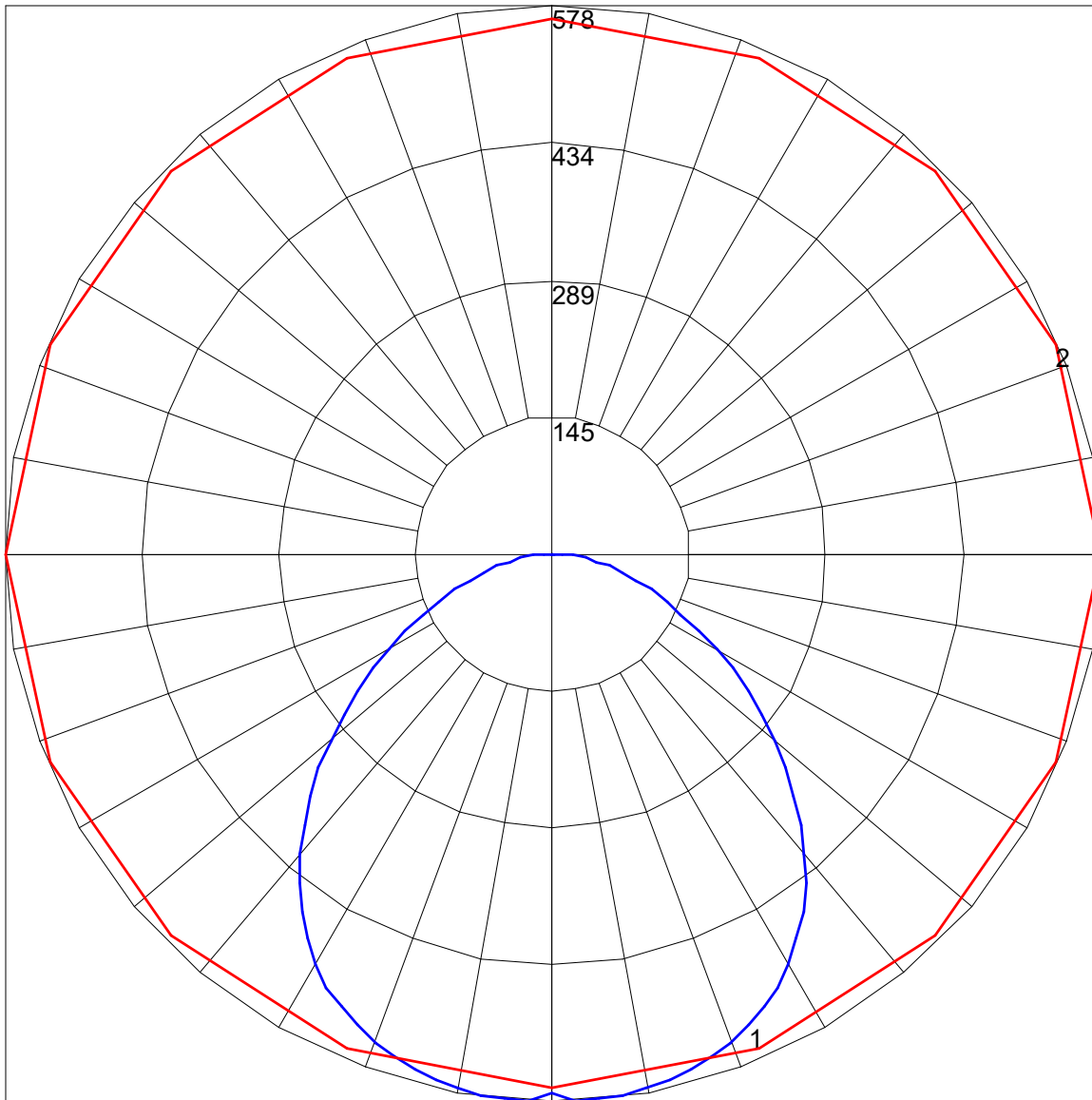
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 88RK-2-LED-SS-840-UE.IES

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	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 = 578 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.)