



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 88RK-8-LED-SS-840-UE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LED-12479
 [TESTLAB] LSI INDUSTRIES, INC.
 [ISSUEDATE] 02/16/21
 [TESTDATE] 02/10/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] 88RK-8-LED-SS-840-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] 4000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
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	3100	2753	2559
55	2688	2294	2095
65	2189	1816	1708
75	1767	1456	1498
85	1413	1201	1473

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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	2257	2257	2257	2257	2257
2.5	2296	2273	2259	2245	2237
5.0	2296	2273	2259	2245	2235
7.5	2294	2271	2255	2241	2231
10.0	2288	2265	2247	2233	2225
12.5	2273	2253	2235	2221	2211
15.0	2259	2237	2219	2203	2193
17.5	2237	2215	2197	2181	2171
20.0	2211	2189	2169	2149	2141
22.5	2177	2157	2134	2112	2100
25.0	2139	2118	2094	2068	2054
27.5	2090	2072	2046	2018	2002
30.0	2036	2018	1987	1957	1939
32.5	1971	1955	1925	1889	1869
35.0	1897	1881	1849	1810	1788
37.5	1818	1800	1766	1726	1700
40.0	1728	1706	1675	1633	1605
42.5	1621	1609	1575	1534	1506
45.0	1518	1506	1470	1430	1402
47.5	1412	1399	1363	1323	1297
50.0	1301	1291	1255	1210	1186
52.5	1188	1180	1146	1103	1077
55.0	1075	1069	1035	1001	979
57.5	967	961	930	900	884
60.0	860	850	828	807	795
62.5	749	747	735	723	713
65.0	652	650	644	642	636
67.5	562	564	562	568	568
70.0	477	483	487	501	505
72.5	401	409	421	441	447
75.0	330	342	360	389	399
77.5	268	280	306	340	354
80.0	209	222	256	294	308
82.5	153	167	207	252	266
85.0	99	119	159	207	224
87.5	48	72	117	163	175
90.0	4	32	81	125	137
92.5	0	24	72	113	125
95.0	0	24	70	109	119
97.5	0	24	68	103	113
100.0	0	24	68	99	107
102.5	0	24	66	95	103
105.0	0	24	64	93	99
107.5	0	24	62	89	97
110.0	0	24	60	87	93
112.5	0	24	58	83	91
115.0	0	22	56	81	89
117.5	0	20	54	77	85
120.0	0	20	52	72	81
122.5	0	18	50	70	77
125.0	2	18	48	66	72
127.5	2	16	44	62	68
130.0	2	16	40	58	64
132.5	2	14	36	54	60

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CANDELA TABULATION - (Cont.)

135.0	2	10	34	50	56
137.5	2	8	30	44	50
140.0	2	4	28	40	46
142.5	2	2	24	36	40
145.0	2	2	22	32	36
147.5	2	2	20	28	32
150.0	2	2	16	24	28
152.5	2	2	12	22	24
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	842.82	N.A.	13.00
0-30	1807.06	N.A.	27.90
0-40	2958.96	N.A.	45.60
0-60	5013.73	N.A.	77.30
0-80	6045.69	N.A.	93.20
0-90	6223.77	N.A.	96.00
10-90	6008.32	N.A.	92.60
20-40	2116.14	N.A.	32.60
20-50	3245.63	N.A.	50.00
40-70	2698.59	N.A.	41.60
60-80	1031.96	N.A.	15.90
70-80	388.13	N.A.	6.00
80-90	178.08	N.A.	2.70
90-110	133.39	N.A.	2.10
90-120	183.60	N.A.	2.80
90-130	221.15	N.A.	3.40
90-150	256.84	N.A.	4.00
90-180	262.32	N.A.	4.00
110-180	128.93	N.A.	2.00
0-180	6486.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	215.45
10-20	627.37
20-30	964.24
30-40	1151.9
40-50	1129.49
50-60	925.28
60-70	643.82
70-80	388.13
80-90	178.08
90-100	72.44
100-110	60.95
110-120	50.21
120-130	37.55
130-140	23.73
140-150	11.95
150-160	4.56
160-170	0.73
170-180	0.19

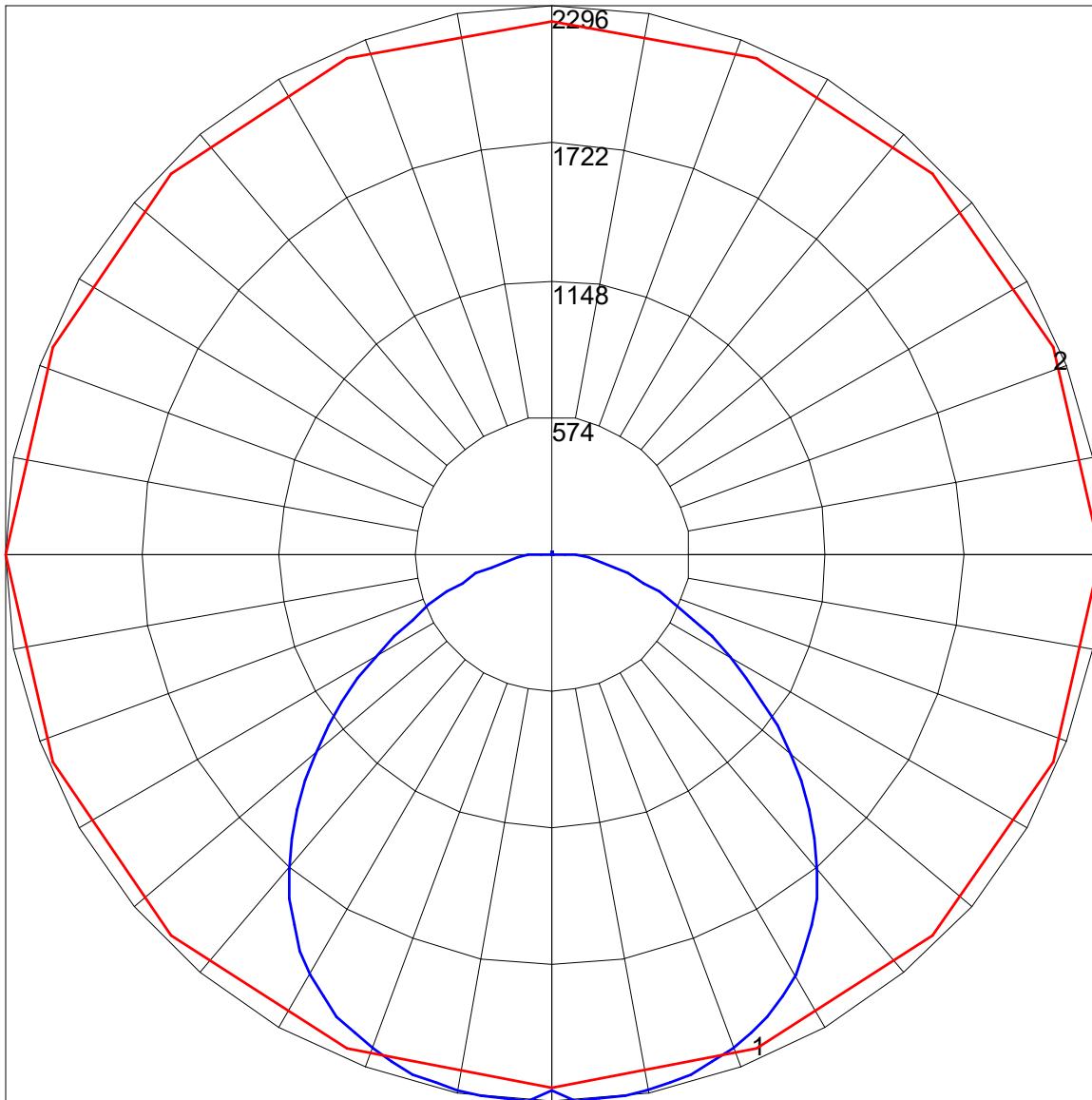
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	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	51	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	46	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	43	35	30	55	43	35	30	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 2296 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.)