



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DW-LED-SS-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4264B
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]02/25/16
[TESTDATE]07/16/13
[MANUFAC]LSI INDUSTRIES, INC
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]SCALED FROM ORIGINAL TEST DATA
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor
[LUMCAT]DW-LED-SS-CW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5866
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.79 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5326	5822	6290
55	4890	5742	6559
65	4428	5695	7093
75	3927	6134	8493
85	3751	10802	17040

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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	1750.44	1750.44	1750.44	1750.44	1750.44
2.5	1777.12	1764.36	1751.60	1734.20	1724.92
5.0	1773.64	1760.88	1748.12	1730.72	1722.60
7.5	1764.36	1751.60	1741.16	1728.40	1719.12
10.0	1748.12	1741.16	1729.56	1717.96	1711.00
12.5	1729.56	1717.96	1715.64	1705.20	1701.72
15.0	1708.68	1698.24	1694.76	1688.96	1682.00
17.5	1677.36	1670.40	1676.20	1671.56	1663.44
20.0	1643.72	1639.08	1647.20	1646.04	1651.84
22.5	1607.76	1607.76	1618.20	1621.68	1628.64
25.0	1561.36	1574.12	1588.04	1596.16	1599.64
27.5	1521.92	1527.72	1543.96	1562.52	1575.28
30.0	1475.52	1479.00	1509.16	1532.36	1538.16
32.5	1424.48	1430.28	1466.24	1501.04	1508.00
35.0	1364.16	1376.92	1421.00	1460.44	1470.88
37.5	1302.68	1322.40	1373.44	1416.36	1432.60
40.0	1243.52	1265.56	1322.40	1375.76	1395.48
42.5	1176.24	1202.92	1267.88	1331.68	1351.40
45.0	1108.96	1137.96	1212.20	1284.12	1309.64
47.5	1040.52	1073.00	1154.20	1233.08	1262.08
50.0	969.76	1004.56	1093.88	1182.04	1215.68
52.5	896.68	934.96	1032.40	1127.52	1161.16
55.0	825.92	868.84	969.76	1071.84	1107.80
57.5	759.80	798.08	904.80	1013.84	1054.44
60.0	685.56	727.32	838.68	955.84	997.60
62.5	617.12	657.72	772.56	896.68	938.44
65.0	551.00	590.44	708.76	832.88	882.76
67.5	484.88	525.48	643.80	774.88	821.28
70.0	421.08	461.68	582.32	719.20	759.80
72.5	358.44	399.04	523.16	658.88	704.12
75.0	299.28	338.72	467.48	599.72	647.28
77.5	241.28	283.04	412.96	545.20	592.76
80.0	191.40	232.00	361.92	493.00	539.40
82.5	141.52	189.08	317.84	444.28	486.04
85.0	96.28	148.48	277.24	396.72	437.32
87.5	58.00	113.68	236.64	352.64	393.24
90.0	19.72	85.84	203.00	309.72	348.00
92.5	8.12	64.96	171.68	270.28	303.92
95.0	5.80	46.40	142.68	234.32	265.64
97.5	10.44	32.48	117.16	200.68	229.68
100.0	4.64	22.04	93.96	170.52	196.04
102.5	9.28	16.24	75.40	141.52	165.88
105.0	9.28	13.92	59.16	117.16	140.36
107.5	6.96	13.92	46.40	97.44	114.84
110.0	6.96	12.76	33.64	77.72	93.96
112.5	6.96	11.60	27.84	62.64	76.56
115.0	8.12	11.60	22.04	49.88	59.16
117.5	6.96	11.60	18.56	38.28	47.56
120.0	6.96	12.76	19.72	29.00	35.96
122.5	9.28	10.44	16.24	25.52	31.32
125.0	6.96	8.12	15.08	19.72	24.36
127.5	9.28	9.28	15.08	18.56	23.20
130.0	10.44	10.44	13.92	17.40	19.72
132.5	5.80	11.60	15.08	17.40	19.72

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CANDELA TABULATION - (Cont.)

135.0	5.80	9.28	13.92	16.24	17.40
137.5	8.12	6.96	13.92	16.24	17.40
140.0	8.12	9.28	12.76	13.92	13.92
142.5	9.28	10.44	12.76	16.24	16.24
145.0	6.96	8.12	10.44	13.92	15.08
147.5	10.44	9.28	11.60	13.92	12.76
150.0	9.28	9.28	10.44	13.92	13.92
152.5	8.12	8.12	9.28	10.44	11.60
155.0	10.44	9.28	10.44	10.44	10.44
157.5	10.44	10.44	9.28	10.44	11.60
160.0	9.28	10.44	9.28	10.44	11.60
162.5	12.76	9.28	10.44	10.44	8.12
165.0	12.76	10.44	9.28	8.12	9.28
167.5	8.12	9.28	8.12	9.28	10.44
170.0	10.44	10.44	10.44	9.28	10.44
172.5	10.44	9.28	9.28	9.28	9.28
175.0	10.44	10.44	8.12	6.96	10.44
177.5	10.44	9.28	9.28	8.12	9.28
180.0	10.44	10.44	10.44	10.44	10.44

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	644.59	N.A.	11.00
0-30	1374.35	N.A.	23.40
0-40	2262.32	N.A.	38.60
0-60	4063.08	N.A.	69.30
0-80	5267.82	N.A.	89.80
0-90	5567.66	N.A.	94.90
10-90	5401.44	N.A.	92.10
20-40	1617.72	N.A.	27.60
20-50	2551.9	N.A.	43.50
40-70	2507.00	N.A.	42.70
60-80	1204.74	N.A.	20.50
70-80	498.51	N.A.	8.50
80-90	299.83	N.A.	5.10
90-110	227.36	N.A.	3.90
90-120	257.62	N.A.	4.40
90-130	272.26	N.A.	4.60
90-150	289.85	N.A.	4.90
90-180	298.23	N.A.	5.10
110-180	70.87	N.A.	1.20
0-180	5865.88	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	166.22
10-20	478.37
20-30	729.76
30-40	887.96
40-50	934.18
50-60	866.59
60-70	706.23
70-80	498.51
80-90	299.83
90-100	155.40
100-110	71.95
110-120	30.26
120-130	14.64
130-140	10.18
140-150	7.41
150-160	4.70
160-170	2.78
170-180	0.90

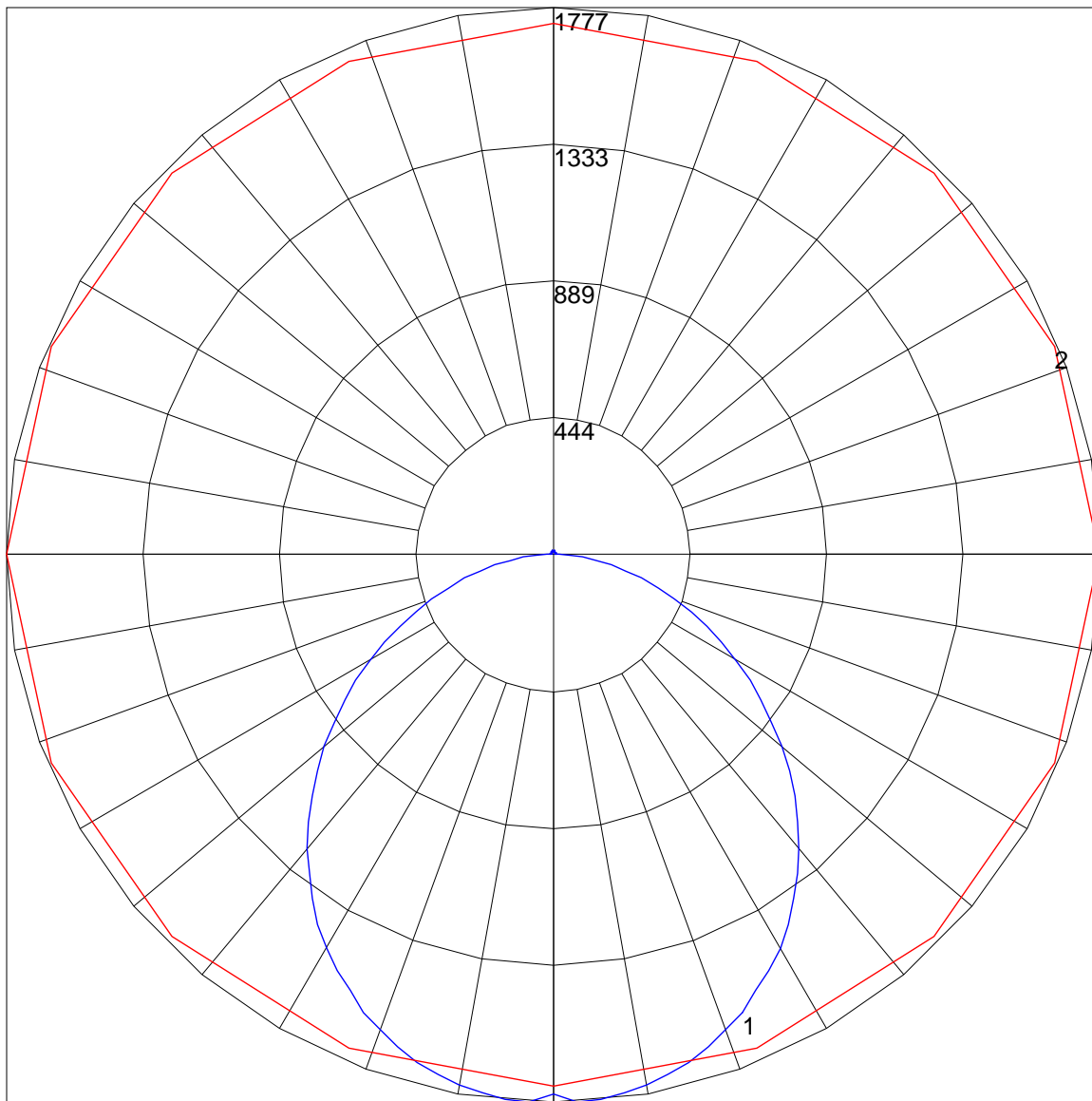
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	103	103	103	97	97	97	95
1	106	100	96	91	103	98	93	89	92	89	85	88	85	82	83	81	79	76
2	96	87	79	73	93	84	78	72	80	74	69	76	71	67	72	68	65	62
3	87	76	67	60	84	74	66	59	70	63	58	66	61	56	63	58	54	52
4	79	67	58	51	77	65	57	50	62	55	49	59	53	47	56	51	46	44
5	73	60	50	43	70	58	49	43	55	48	42	53	46	41	50	45	40	38
6	67	53	44	38	65	52	44	37	50	42	37	48	41	36	46	40	35	33
7	62	48	39	33	60	47	39	33	45	38	32	43	37	32	42	36	31	29
8	58	44	35	29	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	26	52	40	32	26	38	31	26	37	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1777.12 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.)