



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4255B
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]02/25/2016
[TESTDATE]07/13/13
[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-NW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5218
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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	4708	5159	5593
55	4347	5089	5831
65	3943	5052	6264
75	3485	5403	7473
85	3480	9537	15006

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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	1552.08	1552.08	1552.08	1552.08	1552.08
2.5	1578.76	1566.00	1548.60	1535.84	1535.84
5.0	1576.44	1563.68	1547.44	1537.00	1526.56
7.5	1563.68	1553.24	1540.48	1535.84	1523.08
10.0	1552.08	1545.12	1527.72	1526.56	1520.76
12.5	1541.64	1526.56	1516.12	1511.48	1510.32
15.0	1514.96	1508.00	1501.04	1498.72	1498.72
17.5	1491.76	1482.48	1479.00	1482.48	1485.96
20.0	1458.12	1458.12	1455.80	1462.76	1465.08
22.5	1424.48	1427.96	1433.76	1439.56	1447.68
25.0	1389.68	1394.32	1402.44	1414.04	1417.52
27.5	1344.44	1351.40	1373.44	1386.20	1397.80
30.0	1305.00	1314.28	1336.32	1359.52	1373.44
32.5	1257.44	1266.72	1300.36	1331.68	1340.96
35.0	1208.72	1222.64	1259.76	1294.56	1311.96
37.5	1154.20	1171.60	1216.84	1258.60	1276.00
40.0	1098.52	1118.24	1170.44	1220.32	1241.20
42.5	1041.68	1064.88	1122.88	1180.88	1205.24
45.0	980.20	1008.04	1074.16	1137.96	1164.64
47.5	921.04	948.88	1021.96	1095.04	1121.72
50.0	856.08	888.56	968.60	1048.64	1077.64
52.5	791.12	827.08	914.08	999.92	1033.56
55.0	734.28	767.92	859.56	951.20	984.84
57.5	673.96	707.60	800.40	900.16	936.12
60.0	605.52	641.48	744.72	847.96	883.92
62.5	546.36	584.64	686.72	793.44	834.04
65.0	490.68	525.48	628.72	738.92	779.52
67.5	431.52	466.32	574.20	683.24	727.32
70.0	374.68	409.48	517.36	635.68	676.28
72.5	319.00	352.64	462.84	582.32	625.24
75.0	265.64	301.60	411.80	531.28	569.56
77.5	216.92	251.72	366.56	482.56	522.00
80.0	169.36	207.64	321.32	436.16	475.60
82.5	127.60	168.20	280.72	392.08	430.36
85.0	89.32	131.08	244.76	349.16	385.12
87.5	54.52	102.08	209.96	310.88	345.68
90.0	18.56	78.88	179.80	274.92	305.08
92.5	12.76	58.00	151.96	238.96	270.28
95.0	10.44	44.08	126.44	207.64	235.48
97.5	10.44	30.16	104.40	178.64	203.00
100.0	10.44	22.04	84.68	149.64	171.68
102.5	11.60	19.72	67.28	126.44	147.32
105.0	11.60	15.08	54.52	105.56	124.12
107.5	10.44	12.76	42.92	85.84	103.24
110.0	11.60	13.92	33.64	70.76	85.84
112.5	8.12	13.92	26.68	56.84	69.60
115.0	11.60	13.92	23.20	45.24	54.52
117.5	9.28	12.76	20.88	37.12	45.24
120.0	10.44	12.76	17.40	29.00	35.96
122.5	10.44	12.76	18.56	25.52	31.32
125.0	10.44	12.76	17.40	23.20	25.52
127.5	12.76	12.76	16.24	20.88	23.20
130.0	10.44	12.76	17.40	20.88	20.88
132.5	12.76	12.76	16.24	17.40	20.88

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CANDELA TABULATION - (Cont.)

135.0	10.44	11.60	16.24	18.56	19.72
137.5	10.44	12.76	16.24	17.40	19.72
140.0	10.44	10.44	15.08	18.56	18.56
142.5	10.44	11.60	13.92	16.24	17.40
145.0	12.76	12.76	12.76	16.24	16.24
147.5	11.60	11.60	13.92	16.24	15.08
150.0	12.76	11.60	12.76	15.08	18.56
152.5	15.08	11.60	12.76	15.08	15.08
155.0	12.76	11.60	11.60	13.92	13.92
157.5	12.76	12.76	12.76	13.92	13.92
160.0	12.76	12.76	12.76	13.92	12.76
162.5	12.76	11.60	12.76	12.76	12.76
165.0	13.92	11.60	12.76	11.60	10.44
167.5	12.76	12.76	13.92	11.60	10.44
170.0	12.76	11.60	11.60	11.60	10.44
172.5	11.60	13.92	12.76	11.60	11.60
175.0	13.92	12.76	10.44	11.60	11.60
177.5	12.76	11.60	10.44	10.44	10.44
180.0	11.60	11.60	11.60	11.60	11.60

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	571.80	N.A.	11.00
0-30	1218.93	N.A.	23.40
0-40	2006.5	N.A.	38.50
0-60	3602.37	N.A.	69.00
0-80	4670.36	N.A.	89.50
0-90	4935.89	N.A.	94.60
10-90	4788.49	N.A.	91.80
20-40	1434.7	N.A.	27.50
20-50	2262.57	N.A.	43.40
40-70	2222.28	N.A.	42.60
60-80	1067.99	N.A.	20.50
70-80	441.58	N.A.	8.50
80-90	265.53	N.A.	5.10
90-110	204.47	N.A.	3.90
90-120	234.03	N.A.	4.50
90-130	250.41	N.A.	4.80
90-150	271.27	N.A.	5.20
90-180	282.04	N.A.	5.40
110-180	77.57	N.A.	1.50
0-180	5217.93	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.41
10-20	424.39
20-30	647.13
30-40	787.57
40-50	827.87
50-60	768.01
60-70	626.41
70-80	441.58
80-90	265.53
90-100	138.74
100-110	65.74
110-120	29.56
120-130	16.38
130-140	12.06
140-150	8.80
150-160	6.13
160-170	3.51
170-180	1.14

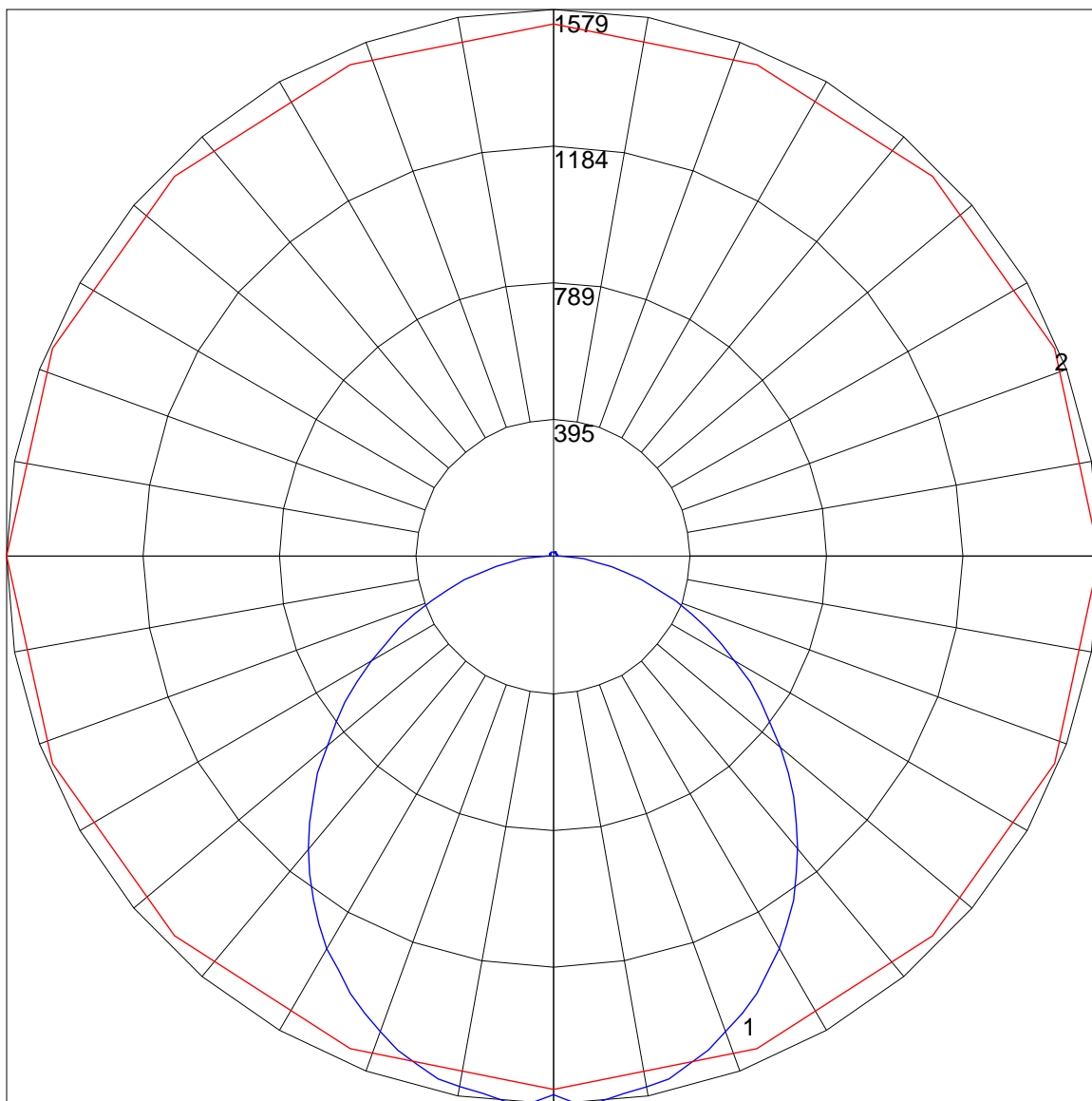
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	100	95	91	102	98	93	89	92	89	85	87	84	82	83	80	78	76
2	96	87	79	73	92	84	77	72	80	74	69	76	71	67	72	68	64	62
3	87	76	67	60	84	74	66	59	70	63	57	66	61	56	63	58	54	52
4	79	67	58	51	77	65	57	50	62	54	49	59	52	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	36	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	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1578.76 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.)