



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4262B
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]02/24/16
[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-WW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5295
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	4774	5253	5710
55	4361	5172	5941
65	3971	5164	6413
75	3501	5479	7625
85	3390	9582	15322

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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	1583.40	1583.40	1583.40	1583.40	1583.40
2.5	1610.08	1596.16	1586.88	1570.64	1566.00
5.0	1603.12	1592.68	1583.40	1569.48	1572.96
7.5	1592.68	1588.04	1576.44	1566.00	1555.56
10.0	1584.56	1571.80	1566.00	1554.40	1553.24
12.5	1560.20	1556.72	1547.44	1538.16	1547.44
15.0	1541.64	1534.68	1532.36	1530.04	1527.72
17.5	1516.12	1512.64	1516.12	1512.64	1513.80
20.0	1484.80	1483.64	1485.96	1491.76	1494.08
22.5	1451.16	1451.16	1460.44	1469.72	1475.52
25.0	1412.88	1419.84	1434.92	1441.88	1458.12
27.5	1375.76	1382.72	1400.12	1419.84	1433.76
30.0	1328.20	1337.48	1363.00	1388.52	1395.48
32.5	1277.16	1292.24	1322.40	1359.52	1371.12
35.0	1227.28	1242.36	1284.12	1323.56	1337.48
37.5	1172.76	1192.48	1240.04	1282.96	1303.84
40.0	1114.76	1137.96	1192.48	1244.68	1267.88
42.5	1055.60	1082.28	1144.92	1204.08	1228.44
45.0	994.12	1024.28	1093.88	1161.16	1189.00
47.5	931.48	962.80	1040.52	1115.92	1144.92
50.0	870.00	902.48	987.16	1068.36	1100.84
52.5	807.36	839.84	931.48	1019.64	1053.28
55.0	736.60	778.36	873.48	968.60	1003.40
57.5	679.76	715.72	817.80	916.40	954.68
60.0	612.48	656.56	758.64	861.88	901.32
62.5	555.64	592.76	691.36	808.52	851.44
65.0	494.16	530.12	642.64	757.48	798.08
67.5	435.00	470.96	580.00	696.00	740.08
70.0	377.00	412.96	525.48	644.96	686.72
72.5	320.16	357.28	469.80	591.60	635.68
75.0	266.80	305.08	417.60	538.24	581.16
77.5	216.92	254.04	370.04	488.36	532.44
80.0	171.68	208.80	324.80	439.64	482.56
82.5	125.28	168.20	283.04	395.56	435.00
85.0	87.00	132.24	245.92	352.64	393.24
87.5	51.04	100.92	213.44	314.36	349.16
90.0	17.40	77.72	180.96	274.92	308.56
92.5	8.12	56.84	153.12	241.28	270.28
95.0	9.28	40.60	126.44	207.64	235.48
97.5	5.80	30.16	104.40	177.48	203.00
100.0	6.96	20.88	82.36	150.80	175.16
102.5	10.44	17.40	66.12	125.28	148.48
105.0	6.96	15.08	52.20	104.40	125.28
107.5	6.96	12.76	40.60	85.84	102.08
110.0	6.96	12.76	32.48	67.28	87.00
112.5	8.12	12.76	25.52	55.68	68.44
115.0	8.12	11.60	20.88	42.92	56.84
117.5	8.12	11.60	18.56	35.96	44.08
120.0	8.12	11.60	16.24	26.68	34.80
122.5	8.12	11.60	15.08	24.36	27.84
125.0	8.12	12.76	16.24	19.72	23.20
127.5	10.44	11.60	15.08	18.56	22.04
130.0	9.28	11.60	13.92	17.40	20.88
132.5	9.28	9.28	16.24	18.56	18.56

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CANDELA TABULATION - (Cont.)

135.0	9.28	10.44	13.92	16.24	16.24
137.5	10.44	10.44	13.92	18.56	19.72
140.0	8.12	9.28	13.92	15.08	16.24
142.5	10.44	9.28	12.76	13.92	17.40
145.0	10.44	10.44	12.76	13.92	15.08
147.5	9.28	11.60	11.60	15.08	13.92
150.0	9.28	10.44	12.76	12.76	15.08
152.5	10.44	11.60	11.60	12.76	13.92
155.0	8.12	10.44	12.76	12.76	11.60
157.5	9.28	11.60	11.60	10.44	13.92
160.0	10.44	10.44	11.60	10.44	13.92
162.5	9.28	10.44	10.44	10.44	10.44
165.0	11.60	10.44	9.28	10.44	10.44
167.5	12.76	10.44	11.60	10.44	12.76
170.0	11.60	10.44	11.60	9.28	10.44
172.5	11.60	9.28	9.28	10.44	10.44
175.0	11.60	10.44	10.44	10.44	8.12
177.5	8.12	10.44	9.28	11.60	10.44
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	583.34	N.A.	11.00
0-30	1243.73	N.A.	23.50
0-40	2046.24	N.A.	38.60
0-60	3670.25	N.A.	69.30
0-80	4753.92	N.A.	89.80
0-90	5021.39	N.A.	94.80
10-90	4870.85	N.A.	92.00
20-40	1462.9	N.A.	27.60
20-50	2305.66	N.A.	43.50
40-70	2260.42	N.A.	42.70
60-80	1083.67	N.A.	20.50
70-80	447.26	N.A.	8.40
80-90	267.46	N.A.	5.10
90-110	202.64	N.A.	3.80
90-120	230.69	N.A.	4.40
90-130	245.41	N.A.	4.60
90-150	264.06	N.A.	5.00
90-180	273.44	N.A.	5.20
110-180	70.81	N.A.	1.30
0-180	5294.83	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.53
10-20	432.81
20-30	660.39
30-40	802.51
40-50	842.76
50-60	781.25
60-70	636.41
70-80	447.26
80-90	267.46
90-100	138.19
100-110	64.45
110-120	28.05
120-130	14.72
130-140	10.83
140-150	7.82
150-160	5.38
160-170	3.02
170-180	0.98

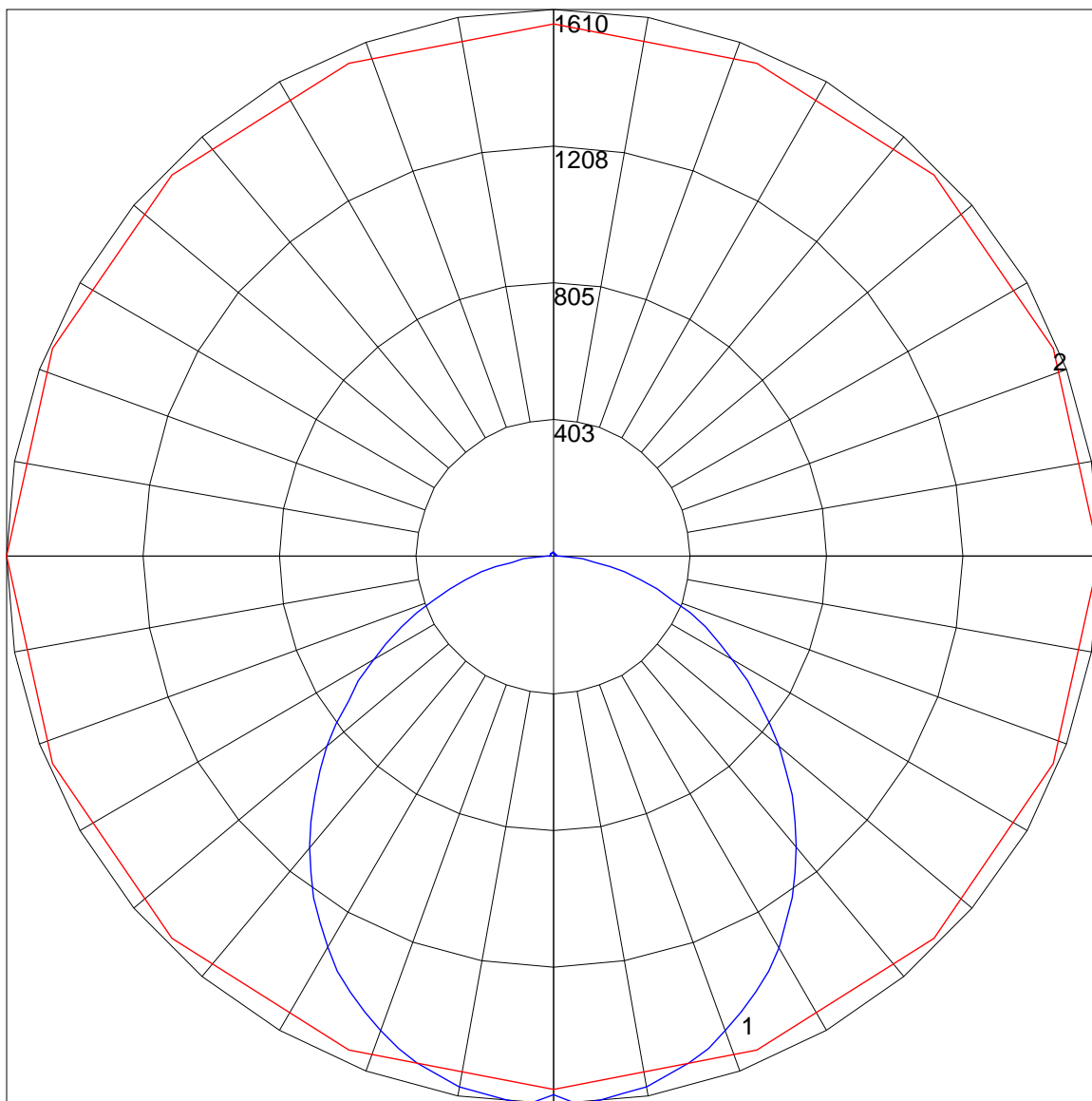
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	67	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	54	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 = 1610.08 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.)