



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-6402B
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/25/16
[TEST DATE]01/19/15
[MANUFACTURER]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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor.
[LUMCAT]DW-LED-HO-NW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	59.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.46
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	7090	6431	5606
55	7513	6455	5215
65	8082	6441	4711
75	9345	6692	4093
85	17854	10768	3444

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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	1783.080	1783.080	1783.080	1783.080	1783.080
2.5	1767.840	1774.952	1785.112	1797.304	1811.528
5.0	1768.856	1774.952	1786.128	1797.304	1810.512
7.5	1767.840	1773.936	1783.080	1793.240	1804.416
10.0	1765.808	1769.872	1776.984	1784.096	1795.272
12.5	1761.744	1764.792	1766.824	1770.888	1781.048
15.0	1754.632	1755.648	1754.632	1754.632	1761.744
17.5	1746.504	1745.488	1739.392	1733.296	1738.376
20.0	1736.344	1732.280	1720.088	1707.896	1708.912
22.5	1723.136	1717.040	1697.736	1678.432	1675.384
25.0	1707.896	1698.752	1671.320	1644.904	1636.776
27.5	1689.608	1678.432	1642.872	1605.280	1592.072
30.0	1668.272	1654.048	1610.360	1562.608	1543.304
32.5	1644.904	1628.648	1573.784	1514.856	1491.488
35.0	1618.488	1598.168	1534.160	1462.024	1431.544
37.5	1588.008	1565.656	1491.488	1407.160	1368.552
40.0	1554.480	1529.080	1443.736	1347.216	1303.528
42.5	1517.904	1488.440	1392.936	1284.224	1236.472
45.0	1476.248	1443.736	1339.088	1219.200	1167.384
47.5	1432.560	1397.000	1281.176	1152.144	1097.280
50.0	1381.760	1344.168	1220.216	1083.056	1025.144
52.5	1325.880	1286.256	1156.208	1010.920	954.024
55.0	1268.984	1226.312	1090.168	938.784	880.872
57.5	1209.040	1163.320	1020.064	864.616	808.736
60.0	1143.000	1097.280	949.960	790.448	728.472
62.5	1074.928	1027.176	876.808	715.264	657.352
65.0	1005.840	957.072	801.624	639.064	586.232
67.5	929.640	880.872	727.456	566.928	515.112
70.0	857.504	806.704	650.240	494.792	445.008
72.5	782.320	733.552	579.120	424.688	376.936
75.0	712.216	663.448	510.032	357.632	311.912
77.5	644.144	596.392	442.976	292.608	247.904
80.0	579.120	531.368	382.016	233.680	186.944
82.5	518.160	470.408	326.136	180.848	135.128
85.0	458.216	412.496	276.352	135.128	88.392
87.5	404.368	360.680	231.648	99.568	45.720
90.0	351.536	311.912	193.040	71.120	6.096
92.5	305.816	267.208	156.464	47.752	0.000
95.0	261.112	226.568	125.984	29.464	0.000
97.5	221.488	188.976	97.536	17.272	0.000
100.0	184.912	155.448	74.168	10.160	0.000
102.5	152.400	124.968	53.848	7.112	0.000
105.0	122.936	97.536	37.592	6.096	0.000
107.5	94.488	74.168	26.416	5.080	0.000
110.0	72.136	54.864	19.304	5.080	0.000
112.5	53.848	39.624	15.240	5.080	0.000
115.0	39.624	28.448	13.208	5.080	0.000
117.5	29.464	22.352	11.176	4.064	1.016
120.0	22.352	18.288	10.160	4.064	1.016
122.5	19.304	16.256	10.160	4.064	1.016
125.0	16.256	14.224	9.144	4.064	1.016
127.5	15.240	13.208	9.144	4.064	1.016
130.0	14.224	12.192	9.144	4.064	1.016
132.5	13.208	11.176	8.128	4.064	1.016

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CANDELA TABULATION - (Cont.)

135.0	12.192	11.176	8.128	4.064	1.016
137.5	11.176	10.160	8.128	4.064	1.016
140.0	11.176	10.160	7.112	3.048	1.016
142.5	10.160	9.144	7.112	3.048	1.016
145.0	10.160	9.144	7.112	3.048	1.016
147.5	9.144	8.128	6.096	3.048	1.016
150.0	9.144	8.128	6.096	3.048	2.032
152.5	8.128	7.112	5.080	3.048	2.032
155.0	7.112	7.112	5.080	3.048	2.032
157.5	6.096	6.096	4.064	3.048	2.032
160.0	6.096	5.080	4.064	3.048	3.048
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	666.49	N.A.	10.60
0-30	1437.52	N.A.	23.00
0-40	2394.93	N.A.	38.20
0-60	4389.03	N.A.	70.10
0-80	5720.56	N.A.	91.40
0-90	6024.49	N.A.	96.20
10-90	5854.21	N.A.	93.50
20-40	1728.44	N.A.	27.60
20-50	2755.21	N.A.	44.00
40-70	2784.17	N.A.	44.50
60-80	1331.52	N.A.	21.30
70-80	541.45	N.A.	8.60
80-90	303.93	N.A.	4.90
90-110	198.84	N.A.	3.20
90-120	216.70	N.A.	3.50
90-130	225.13	N.A.	3.60
90-150	234.69	N.A.	3.70
90-180	237.13	N.A.	3.80
110-180	38.29	N.A.	0.60
0-180	6261.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.27
10-20	496.22
20-30	771.03
30-40	957.42
40-50	1026.77
50-60	967.34
60-70	790.07
70-80	541.45
80-90	303.93
90-100	143.00
100-110	55.85
110-120	17.85
120-130	8.43
130-140	5.76
140-150	3.81
150-160	2.25
160-170	0.18
170-180	0.00

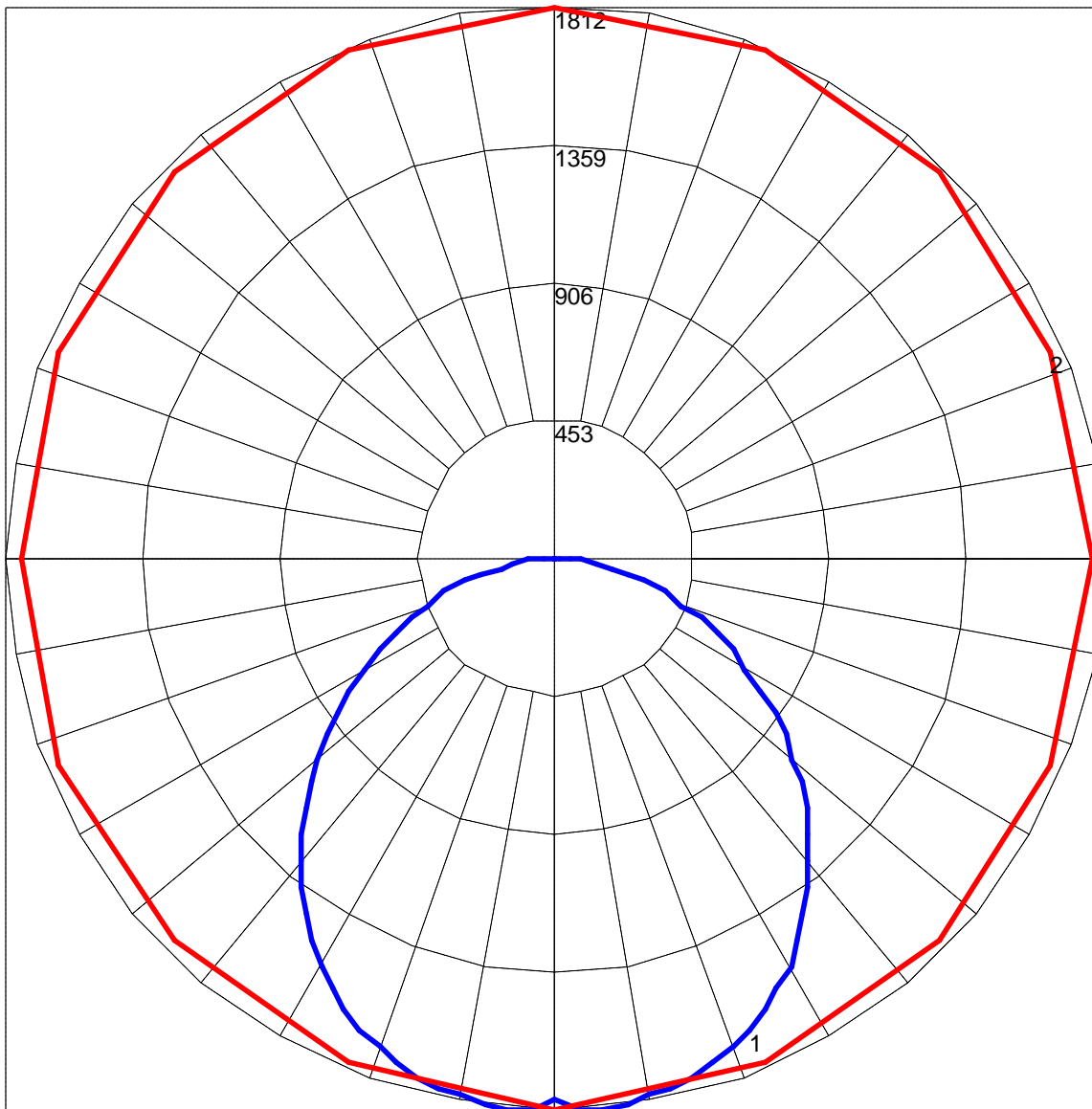
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	99	99	99	96
1	106	101	96	91	103	98	94	90	93	89	86	88	85	83	84	82	80	77
2	96	87	79	73	93	85	78	72	80	75	70	76	72	67	73	69	65	63
3	87	76	67	60	84	74	66	59	70	63	58	67	61	56	64	59	55	52
4	79	67	57	50	77	65	56	50	62	55	49	59	53	48	57	51	46	44
5	73	59	50	43	70	58	49	43	55	48	42	53	46	41	51	45	40	38
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	46	40	35	33
7	62	48	39	33	60	47	39	32	45	38	32	43	37	31	42	36	31	29
8	58	44	35	29	56	43	35	29	41	34	28	40	33	28	38	32	28	26
9	54	40	32	26	52	39	31	26	38	31	25	37	30	25	35	29	25	23
10	50	37	29	23	49	36	29	23	35	28	23	34	27	23	33	27	22	21

POLAR GRAPH



Maximum Candela = 1811.528 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)