



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DW-LED-HO-CW.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-4269B  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUEDATE]02/25/16  
[TESTDATE]07/17/13  
[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-HO-CW

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7105
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	57
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
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	6474	7075	7632
55	5955	6985	7994
65	5397	6972	8613
75	4779	7458	10319
85	4655	12972	20656

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DW-LED-HO-CW.IES**

**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	2114.68	2114.68	2114.68	2114.68	2114.68
<b>2.5</b>	2150.64	2130.92	2114.68	2099.60	2090.32
<b>5.0</b>	2146.00	2126.28	2111.20	2093.80	2088.00
<b>7.5</b>	2132.08	2118.16	2101.92	2089.16	2084.52
<b>10.0</b>	2111.20	2099.60	2089.16	2077.56	2071.76
<b>12.5</b>	2093.80	2082.20	2071.76	2063.64	2059.00
<b>15.0</b>	2063.64	2055.52	2050.88	2043.92	2041.60
<b>17.5</b>	2032.32	2023.04	2021.88	2023.04	2020.72
<b>20.0</b>	1990.56	1987.08	1990.56	1996.36	1997.52
<b>22.5</b>	1947.64	1946.48	1955.76	1966.20	1969.68
<b>25.0</b>	1897.76	1900.08	1917.48	1933.72	1943.00
<b>27.5</b>	1843.24	1849.04	1874.56	1898.92	1907.04
<b>30.0</b>	1782.92	1794.52	1827.00	1859.48	1871.08
<b>32.5</b>	1721.44	1735.36	1775.96	1815.40	1831.64
<b>35.0</b>	1651.84	1671.56	1722.60	1771.32	1788.72
<b>37.5</b>	1581.08	1606.60	1664.60	1724.92	1744.64
<b>40.0</b>	1510.32	1540.48	1605.44	1671.56	1695.92
<b>42.5</b>	1422.16	1460.44	1537.00	1617.04	1648.36
<b>45.0</b>	1347.92	1381.56	1473.20	1562.52	1589.20
<b>47.5</b>	1263.24	1302.68	1403.60	1503.36	1541.64
<b>50.0</b>	1178.56	1221.48	1329.36	1438.40	1476.68
<b>52.5</b>	1092.72	1137.96	1255.12	1372.28	1414.04
<b>55.0</b>	1005.72	1054.44	1179.72	1303.84	1350.24
<b>57.5</b>	922.20	969.76	1102.00	1235.40	1281.80
<b>60.0</b>	835.20	889.72	1023.12	1163.48	1213.36
<b>62.5</b>	760.96	809.68	945.40	1091.56	1143.76
<b>65.0</b>	671.64	719.20	867.68	1018.48	1071.84
<b>67.5</b>	592.76	640.32	783.00	945.40	999.92
<b>70.0</b>	512.72	561.44	708.76	871.16	929.16
<b>72.5</b>	435.00	486.04	638.00	796.92	858.40
<b>75.0</b>	364.24	414.12	568.40	727.32	786.48
<b>77.5</b>	295.80	345.68	501.12	661.20	713.40
<b>80.0</b>	230.84	283.04	440.80	597.40	650.76
<b>82.5</b>	172.84	227.36	385.12	535.92	590.44
<b>85.0</b>	119.48	177.48	332.92	477.92	530.12
<b>87.5</b>	68.44	136.88	286.52	424.56	472.12
<b>90.0</b>	22.04	103.24	243.60	373.52	418.76
<b>92.5</b>	2.32	75.40	205.32	324.80	366.56
<b>95.0</b>	6.96	54.52	170.52	281.88	320.16
<b>97.5</b>	5.80	33.64	136.88	240.12	276.08
<b>100.0</b>	5.80	25.52	112.52	203.00	235.48
<b>102.5</b>	2.32	17.40	88.16	167.04	198.36
<b>105.0</b>	10.44	13.92	67.28	139.20	163.56
<b>107.5</b>	6.96	13.92	51.04	113.68	136.88
<b>110.0</b>	8.12	12.76	39.44	91.64	110.20
<b>112.5</b>	4.64	10.44	30.16	71.92	89.32
<b>115.0</b>	8.12	13.92	24.36	55.68	69.60
<b>117.5</b>	10.44	8.12	20.88	44.08	55.68
<b>120.0</b>	4.64	10.44	18.56	33.64	41.76
<b>122.5</b>	4.64	9.28	18.56	29.00	35.96
<b>125.0</b>	6.96	11.60	17.40	23.20	26.68
<b>127.5</b>	6.96	9.28	16.24	23.20	22.04
<b>130.0</b>	6.96	8.12	16.24	19.72	20.88
<b>132.5</b>	4.64	9.28	17.40	18.56	23.20

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DW-LED-HO-CW.IES**

**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	4.64	9.28	15.08	17.40	16.24
<b>137.5</b>	5.80	8.12	11.60	16.24	17.40
<b>140.0</b>	8.12	5.80	12.76	15.08	17.40
<b>142.5</b>	6.96	9.28	11.60	15.08	18.56
<b>145.0</b>	5.80	10.44	15.08	13.92	17.40
<b>147.5</b>	5.80	4.64	11.60	12.76	12.76
<b>150.0</b>	9.28	6.96	11.60	10.44	12.76
<b>152.5</b>	4.64	6.96	9.28	12.76	13.92
<b>155.0</b>	9.28	8.12	5.80	10.44	11.60
<b>157.5</b>	13.92	9.28	9.28	11.60	10.44
<b>160.0</b>	5.80	8.12	9.28	9.28	9.28
<b>162.5</b>	9.28	9.28	10.44	9.28	6.96
<b>165.0</b>	6.96	10.44	6.96	6.96	8.12
<b>167.5</b>	9.28	11.60	9.28	10.44	13.92
<b>170.0</b>	8.12	9.28	9.28	5.80	8.12
<b>172.5</b>	4.64	9.28	8.12	9.28	10.44
<b>175.0</b>	8.12	9.28	11.60	10.44	5.80
<b>177.5</b>	9.28	6.96	9.28	9.28	9.28
<b>180.0</b>	9.28	9.28	9.28	9.28	9.28

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DW-LED-HO-CW.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	779.80	N.A.	11.00
0-30	1663.79	N.A.	23.40
0-40	2741.28	N.A.	38.60
0-60	4931.16	N.A.	69.40
0-80	6398.68	N.A.	90.10
0-90	6760.69	N.A.	95.20
10-90	6559.77	N.A.	92.30
20-40	1961.48	N.A.	27.60
20-50	3096.85	N.A.	43.60
40-70	3051.65	N.A.	43.00
60-80	1467.52	N.A.	20.70
70-80	605.75	N.A.	8.50
80-90	362.02	N.A.	5.10
90-110	268.94	N.A.	3.80
90-120	302.80	N.A.	4.30
90-130	318.63	N.A.	4.50
90-150	336.05	N.A.	4.70
90-180	343.86	N.A.	4.80
110-180	74.92	N.A.	1.10
0-180	7104.55	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	200.92
10-20	578.88
20-30	883.99
30-40	1077.48
40-50	1135.38
50-60	1054.51
60-70	861.76
70-80	605.75
80-90	362.02
90-100	185.17
100-110	83.77
110-120	33.86
120-130	15.83
130-140	10.26
140-150	7.15
150-160	4.41
160-170	2.56
170-180	0.84

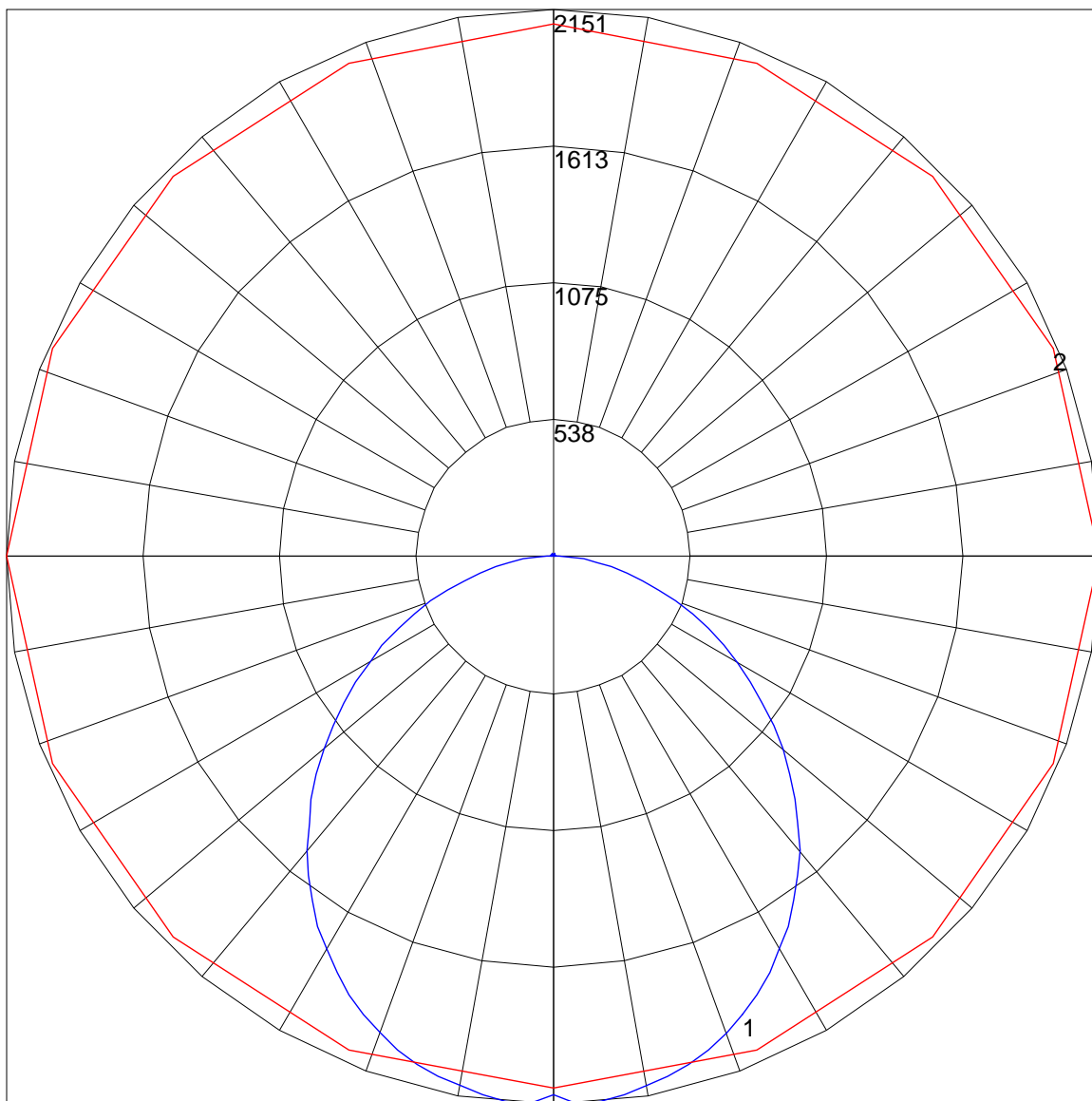
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DW-LED-HO-CW.IES**

**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	98	98	98	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	51	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	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 2150.64 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.)