

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709377

Luminaire Tested: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

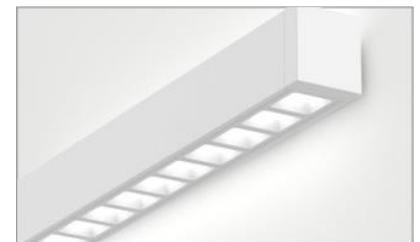
Test Information

Test Method: LM-79-2019
Report Number: P709377
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-4, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7140.8 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

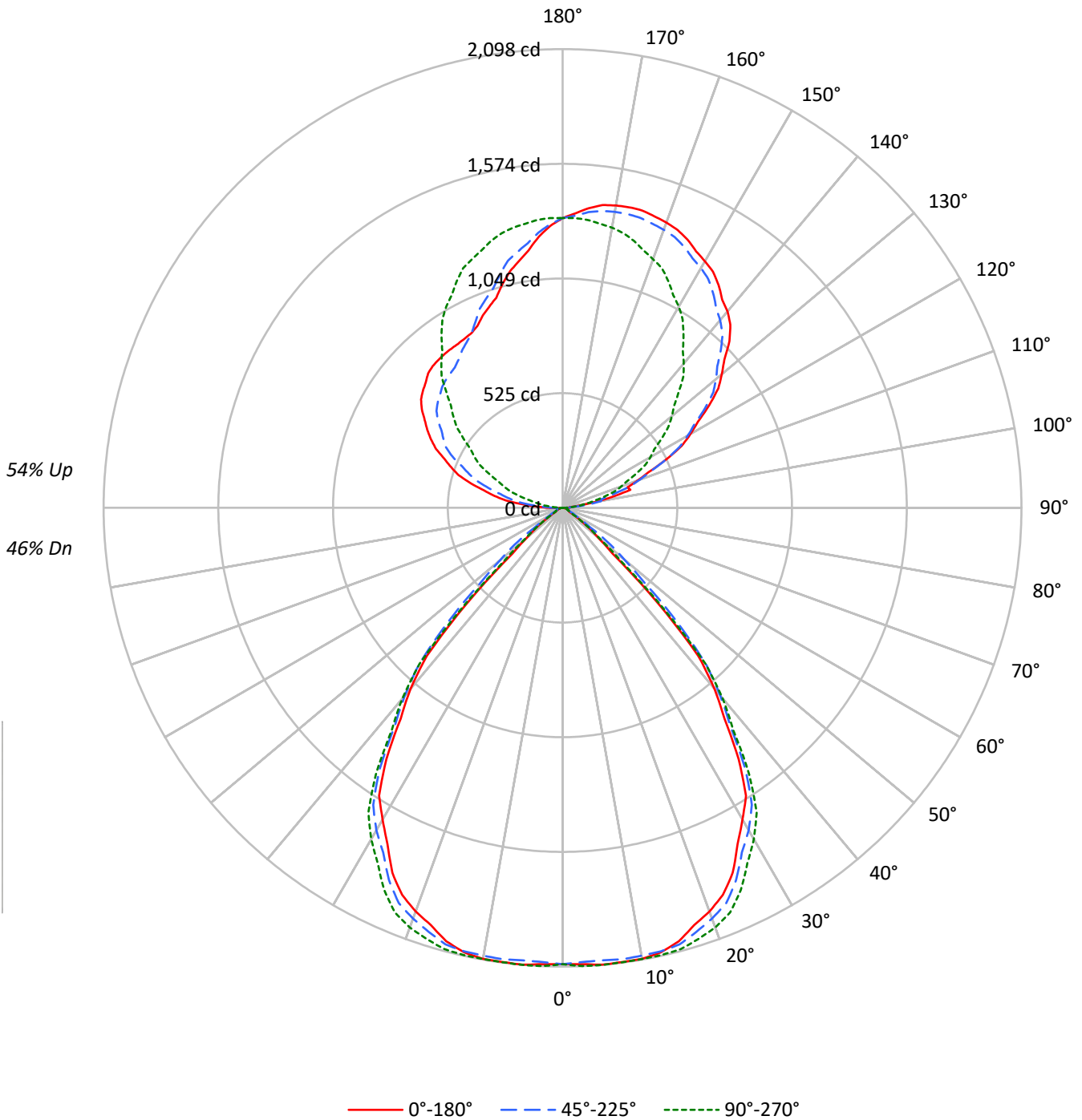
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46		
1	98	95	92	89	90	87	85	82	73	71	70	60	59	58	49	48	47	42		
2	91	85	80	75	84	78	74	70	66	63	61	55	53	51	45	44	43	38		
3	84	76	70	65	77	71	65	61	60	56	53	50	48	46	42	40	38	34		
4	78	69	62	56	72	64	58	53	55	50	47	46	43	41	38	36	35	31		
5	72	62	55	50	67	58	52	47	50	45	42	42	39	36	35	33	31	28		
6	67	56	49	44	62	53	46	42	46	41	37	39	35	33	33	30	28	26		
7	62	51	44	39	58	48	42	37	42	37	33	36	32	30	30	28	26	23		
8	58	47	40	35	54	44	38	34	39	34	30	33	30	27	28	26	24	22		
9	54	43	36	32	50	41	35	30	36	31	28	31	27	25	26	24	22	20		
10	51	40	33	29	47	38	32	28	33	28	25	29	25	23	25	22	20	18		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	33700	33700	33700	33700	33700
5°	33990	33669	34007	33669	33990
10°	34334	34101	34351	34101	34334
15°	34302	34550	34922	34550	34302
20°	33747	34343	35087	34343	33747
25°	32797	33456	34367	33456	32797
30°	30667	31725	32608	31725	30667
35°	27670	28706	29325	28706	27670
40°	22776	23639	24040	23639	22776
45°	14118	17022	15034	17022	14118
50°	5378	9315	5880	9315	5378
55°	2874	4322	2902	4322	2874
60°	1227	2101	1356	2101	1227
65°	1146	1287	1223	1287	1146
70°	1133	1223	1180	1223	1133
75°	1061	1179	1185	1179	1061
80°	1023	1125	1116	1125	1023
85°	926	945	1112	945	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 17112 cd/sqm

TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	2.8
10°-20°	583.5	8.2
20°-30°	862.8	12.1
30°-40°	892.7	12.5
40°-50°	536.9	7.5
50°-60°	128.4	1.8
60°-70°	35.1	0.5
70°-80°	19.6	0.3
80°-90°	11.7	0.2
90°-100°	105.4	1.5
100°-110°	307.9	4.3
110°-120°	502.1	7.0
120°-130°	637.2	8.9
130°-140°	681.7	9.5
140°-150°	636.5	8.9
150°-160°	523.7	7.3
160°-170°	351.2	4.9
170°-180°	124.7	1.7
0°-30°	1645.8	23.0
0°-40°	2538.5	35.5
0°-60°	3203.8	44.9
0°-90°	3270.3	45.8
90°-120°	915.4	12.8
90°-150°	2870.9	40.2
90°-180°	3870.0	54.2
0°-180°	7140.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2087	2087	2087	2087	2087	
5°	2097	2077	2098	2077	2097	200
15°	2052	2067	2089	2067	2052	577
25°	1841	1878	1929	1878	1841	840
35°	1404	1456	1488	1456	1404	863
45°	618	746	658	746	618	473
55°	102	154	103	154	102	99
65°	30	34	32	34	30	30
75°	17	19	19	19	17	18
85°	5	5	6	5	5	6
90°	28	26	4	36	63	13
95°	31	40	41	136	181	51
105°	321	234	196	350	434	295
115°	522	519	373	556	638	514
125°	818	796	553	694	785	729
135°	1079	1024	752	779	869	826
145°	1244	1200	964	828	888	777
155°	1353	1317	1144	940	919	623
165°	1408	1373	1264	1104	1060	397
175°	1376	1358	1322	1264	1245	132
180°	1325	1325	1325	1325	1325	

TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2
2.5°	2088.8	2090.5	2092.3	2086.9	2079.1	2078.9	2086.4	2092.6	2095.1	2097.6	2095.1
5°	2097.2	2098.5	2099.8	2090.8	2078.4	2076.4	2084.8	2091.9	2095.1	2098.2	2095.1
7.5°	2095.0	2097.0	2099.1	2092.5	2083.1	2081.6	2088.1	2093.3	2094.6	2096.0	2094.6
10°	2094.2	2095.5	2096.8	2089.8	2080.1	2079.8	2089.2	2096.1	2095.6	2095.2	2095.6
12.5°	2082.2	2085.3	2088.4	2083.4	2075.8	2078.8	2092.4	2101.7	2098.0	2094.4	2098.0
15°	2052.1	2056.6	2061.0	2062.2	2062.2	2071.7	2090.8	2103.4	2096.3	2089.2	2096.3
17.5°	2000.9	2006.3	2011.8	2018.3	2025.1	2041.3	2066.8	2083.9	2075.4	2067.0	2075.4
20°	1964.1	1966.3	1968.5	1977.4	1988.6	2009.0	2038.8	2059.0	2050.6	2042.1	2050.6
22.5°	1916.1	1919.7	1923.4	1933.4	1945.6	1967.7	1999.6	2021.2	2012.1	2002.9	2012.1
25°	1841.0	1845.9	1850.8	1858.7	1867.6	1888.3	1920.7	1943.3	1936.2	1929.1	1936.2
27.5°	1733.0	1739.7	1746.5	1755.8	1765.9	1786.2	1816.6	1838.4	1834.5	1830.6	1834.5
30°	1644.9	1655.6	1666.3	1678.9	1692.3	1711.0	1735.0	1752.5	1750.8	1749.0	1750.8
32.5°	1560.9	1569.4	1577.9	1589.6	1602.2	1619.1	1640.2	1655.7	1653.9	1652.1	1653.9
35°	1403.8	1412.7	1421.6	1434.8	1449.5	1463.3	1476.2	1486.1	1486.9	1487.8	1486.9
37.5°	1215.9	1224.9	1233.8	1244.8	1256.3	1267.2	1277.4	1284.8	1283.6	1282.3	1283.6
40°	1080.6	1082.8	1085.1	1098.3	1115.2	1127.9	1136.3	1142.4	1141.5	1140.6	1141.5
42.5°	918.9	929.3	939.7	952.1	965.0	977.4	989.0	994.4	981.1	967.7	981.1
45°	618.3	661.0	703.7	726.1	741.6	749.4	749.4	739.3	698.8	658.4	698.8
47.5°	311.0	362.8	414.7	462.3	508.6	519.2	494.2	463.9	417.9	371.8	417.9
50°	214.1	231.5	248.8	301.2	365.2	376.5	335.2	296.4	265.3	234.1	265.3
52.5°	157.3	166.4	175.6	218.5	272.5	277.8	234.3	197.8	181.9	166.1	181.9
55°	102.1	105.6	109.2	128.4	152.9	154.2	132.4	114.6	108.8	103.1	108.8
57.5°	62.0	67.6	73.2	81.0	89.6	89.6	81.0	73.2	67.2	61.2	67.2
60°	38.0	42.9	47.8	55.7	64.6	65.5	58.4	51.8	46.9	42.0	46.9
62.5°	34.8	36.5	38.2	44.0	51.1	51.6	45.6	40.5	38.5	36.4	38.5
65°	30.0	30.9	31.8	32.7	33.6	33.8	33.4	32.9	32.5	32.0	32.5
67.5°	26.4	27.2	28.0	28.3	28.4	28.6	28.9	29.1	28.7	28.2	28.7
70°	24.0	24.5	24.9	25.3	25.8	26.0	26.0	25.9	25.5	25.0	25.5
72.5°	20.8	21.6	22.4	22.7	22.8	23.0	23.3	23.5	23.1	22.6	23.1
75°	17.0	17.5	17.9	18.3	18.8	19.0	19.0	19.0	19.0	19.0	19.0
77.5°	13.4	13.9	14.3	14.4	14.4	14.6	15.1	15.3	14.9	14.4	14.9
80°	11.0	11.5	11.9	12.0	12.0	12.2	12.7	12.9	12.5	12.0	12.5
82.5°	8.6	9.0	9.5	9.6	9.6	9.6	9.7	9.8	9.7	9.6	9.7
85°	5.0	5.0	5.0	5.0	5.0	5.2	5.7	6.0	6.0	6.0	6.0
87.5°	7.2	7.4	7.4	6.8	6.8	6.8	6.3	5.7	4.0	2.4	3.8
90°	28.0	29.0	29.0	26.0	26.0	25.0	21.0	17.0	10.0	4.0	9.0
92.5°	34.4	33.8	33.8	32.4	30.8	28.2	23.4	22.6	24.4	15.2	25.8
95°	31.0	31.0	30.0	30.0	35.0	44.0	65.0	71.0	46.0	41.0	59.0
97.5°	71.0	75.6	84.2	97.2	119.4	127.4	117.8	88.8	84.0	81.0	107.8
100°	135.0	146.0	157.0	170.0	197.0	161.0	125.0	120.0	112.0	113.0	143.0
102.5°	235.8	236.4	241.0	246.0	193.8	171.4	165.8	159.2	146.4	146.6	177.4
105°	321.0	300.0	262.0	236.0	232.0	236.0	236.0	221.0	195.0	196.0	228.0
107.5°	309.8	307.4	309.0	310.0	316.4	317.8	309.2	282.2	255.4	249.8	282.2
110°	365.0	365.0	369.0	370.0	378.0	373.0	362.0	327.0	293.0	285.0	315.0

TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	425.0	425.8	427.4	432.4	436.4	429.0	411.6	373.4	334.6	318.6	347.8
115°	522.0	521.0	521.0	525.0	523.0	515.0	489.0	445.0	395.0	373.0	398.0
117.5°	614.2	609.2	610.4	608.8	611.8	595.8	565.2	511.4	457.8	427.2	445.6
120°	675.0	670.0	672.0	672.0	671.0	651.0	614.0	561.0	501.0	464.0	476.0
122.5°	734.2	730.8	731.2	728.8	726.2	707.0	663.6	608.2	542.6	496.8	504.0
125°	818.0	820.0	814.0	814.0	805.0	786.0	740.0	681.0	610.0	553.0	549.0
127.5°	897.2	900.0	894.0	890.4	883.4	854.8	812.8	753.6	677.4	610.4	594.4
130°	950.0	952.0	950.0	940.0	929.0	902.0	860.0	804.0	723.0	652.0	624.0
132.5°	1002.8	1007.2	997.2	989.6	973.0	945.2	904.0	849.6	768.6	691.2	656.0
135°	1079.0	1076.0	1066.0	1054.0	1037.0	1010.0	972.0	915.0	838.0	752.0	707.0
137.5°	1135.4	1135.8	1126.0	1112.8	1095.4	1070.2	1034.2	980.6	902.2	818.0	760.2
140°	1173.0	1171.0	1162.0	1148.0	1133.0	1107.0	1075.0	1023.0	943.0	862.0	797.0
142.5°	1199.4	1201.4	1194.0	1182.4	1165.0	1142.2	1109.4	1057.4	987.0	902.8	834.6
145°	1244.0	1244.0	1237.0	1229.0	1213.0	1187.0	1162.0	1111.0	1044.0	964.0	889.0
147.5°	1280.4	1281.0	1276.6	1267.2	1251.6	1229.2	1204.0	1158.4	1096.2	1022.2	949.4
150°	1302.0	1305.0	1299.0	1292.0	1278.0	1254.0	1232.0	1188.0	1129.0	1063.0	987.0
152.5°	1322.8	1326.6	1321.4	1312.8	1298.8	1274.8	1256.0	1212.8	1157.8	1096.6	1023.8
155°	1353.0	1356.0	1352.0	1344.0	1328.0	1306.0	1289.0	1249.0	1200.0	1144.0	1079.0
157.5°	1375.4	1380.2	1374.4	1367.2	1350.0	1330.6	1314.6	1277.4	1233.6	1186.8	1128.8
160°	1389.0	1393.0	1388.0	1380.0	1362.0	1345.0	1329.0	1295.0	1256.0	1210.0	1160.0
162.5°	1397.8	1404.2	1398.4	1389.6	1370.8	1354.6	1341.0	1308.6	1272.8	1234.0	1188.0
165°	1408.0	1413.0	1408.0	1399.0	1380.0	1366.0	1355.0	1327.0	1296.0	1264.0	1225.0
167.5°	1408.0	1414.2	1409.4	1401.6	1381.6	1370.8	1362.4	1339.0	1313.2	1286.6	1257.6
170°	1404.0	1411.0	1407.0	1400.0	1380.0	1370.0	1364.0	1343.0	1322.0	1301.0	1276.0
172.5°	1396.8	1403.8	1399.0	1392.8	1372.8	1366.0	1362.4	1345.4	1327.6	1310.6	1290.4
175°	1376.0	1385.0	1382.0	1375.0	1360.0	1355.0	1356.0	1344.0	1332.0	1322.0	1309.0
177.5°	1348.2	1354.6	1351.4	1349.8	1337.8	1336.2	1341.8	1336.2	1330.6	1326.6	1321.0
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0

TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2
2.5°	2092.6	2086.4	2078.9	2079.1	2086.9	2092.3	2090.5	2088.8
5°	2091.9	2084.8	2076.4	2078.4	2090.8	2099.8	2098.5	2097.2
7.5°	2093.3	2088.1	2081.6	2083.1	2092.5	2099.1	2097.0	2095.0
10°	2096.1	2089.2	2079.8	2080.1	2089.8	2096.8	2095.5	2094.2
12.5°	2101.7	2092.4	2078.8	2075.8	2083.4	2088.4	2085.3	2082.2
15°	2103.4	2090.8	2071.7	2062.2	2062.2	2061.0	2056.6	2052.1
17.5°	2083.9	2066.8	2041.3	2025.1	2018.3	2011.8	2006.3	2000.9
20°	2059.0	2038.8	2009.0	1988.6	1977.4	1968.5	1966.3	1964.1
22.5°	2021.2	1999.6	1967.7	1945.6	1933.4	1923.4	1919.7	1916.1
25°	1943.3	1920.7	1888.3	1867.6	1858.7	1850.8	1845.9	1841.0
27.5°	1838.4	1816.6	1786.2	1765.9	1755.8	1746.5	1739.7	1733.0
30°	1752.5	1735.0	1711.0	1692.3	1678.9	1666.3	1655.6	1644.9
32.5°	1655.7	1640.2	1619.1	1602.2	1589.6	1577.9	1569.4	1560.9
35°	1486.1	1476.2	1463.3	1449.5	1434.8	1421.6	1412.7	1403.8
37.5°	1284.8	1277.4	1267.2	1256.3	1244.8	1233.8	1224.9	1215.9
40°	1142.4	1136.3	1127.9	1115.2	1098.3	1085.1	1082.8	1080.6
42.5°	994.4	989.0	977.4	965.0	952.1	939.7	929.3	918.9
45°	739.3	749.4	749.4	741.6	726.1	703.7	661.0	618.3
47.5°	463.9	494.2	519.2	508.6	462.3	414.7	362.8	311.0
50°	296.4	335.2	376.5	365.2	301.2	248.8	231.5	214.1
52.5°	197.8	234.3	277.8	272.5	218.5	175.6	166.4	157.3
55°	114.6	132.4	154.2	152.9	128.4	109.2	105.6	102.1
57.5°	73.2	81.0	89.6	89.6	81.0	73.2	67.6	62.0
60°	51.8	58.4	65.5	64.6	55.7	47.8	42.9	38.0
62.5°	40.5	45.6	51.6	51.1	44.0	38.2	36.5	34.8
65°	32.9	33.4	33.8	33.6	32.7	31.8	30.9	30.0
67.5°	29.1	28.9	28.6	28.4	28.3	28.0	27.2	26.4
70°	25.9	26.0	26.0	25.8	25.3	24.9	24.5	24.0
72.5°	23.5	23.3	23.0	22.8	22.7	22.4	21.6	20.8
75°	19.0	19.0	19.0	18.8	18.3	17.9	17.5	17.0
77.5°	15.3	15.1	14.6	14.4	14.4	14.3	13.9	13.4
80°	12.9	12.7	12.2	12.0	12.0	11.9	11.5	11.0
82.5°	9.8	9.7	9.6	9.6	9.6	9.5	9.0	8.6
85°	6.0	5.7	5.2	5.0	5.0	5.0	5.0	5.0
87.5°	5.5	6.7	8.0	10.0	11.6	12.8	13.4	14.2
90°	16.0	23.0	31.0	42.0	50.0	56.0	59.0	63.0
92.5°	36.8	51.0	62.2	75.6	90.0	97.6	102.2	103.8
95°	85.0	103.0	126.0	146.0	164.0	176.0	183.0	181.0
97.5°	131.8	165.4	191.6	214.8	235.8	250.2	261.6	260.6
100°	171.0	199.0	234.0	262.0	283.0	299.0	312.0	315.0
102.5°	210.2	236.6	274.8	306.0	330.2	347.8	357.6	367.0
105°	265.0	302.0	331.0	369.0	394.0	417.0	424.0	434.0
107.5°	322.4	363.0	395.2	426.8	456.4	475.6	490.6	498.6
110°	360.0	399.0	440.0	470.0	498.0	518.0	533.0	541.0

TEST NUMBER: P709377

CATALOG NUMBER: DL2W-WB-M-100U-075D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	393.6	436.6	480.8	514.0	539.6	562.8	575.4	584.2
115°	443.0	490.0	534.0	577.0	602.0	620.0	631.0	638.0
117.5°	488.2	537.2	580.0	623.4	654.6	667.8	672.0	677.2
120°	517.0	566.0	608.0	649.0	685.0	699.0	708.0	714.0
122.5°	542.6	591.6	636.0	674.6	709.0	728.6	739.2	746.8
125°	582.0	628.0	674.0	715.0	743.0	764.0	778.0	785.0
127.5°	615.2	659.4	706.6	746.0	776.2	798.4	810.0	815.4
130°	640.0	677.0	725.0	766.0	797.0	820.0	830.0	833.0
132.5°	664.0	693.8	739.4	782.8	813.8	834.4	845.2	848.2
135°	701.0	718.0	758.0	800.0	832.0	853.0	863.0	869.0
137.5°	741.8	746.2	771.0	812.2	845.2	865.4	875.4	879.0
140°	769.0	767.0	783.0	817.0	850.0	871.0	881.0	883.0
142.5°	797.8	789.4	795.0	822.6	852.4	872.6	883.4	886.2
145°	846.0	828.0	821.0	835.0	857.0	874.0	886.0	888.0
147.5°	897.8	868.8	853.0	855.6	867.6	879.6	889.0	889.2
150°	933.0	900.0	877.0	874.0	878.0	886.0	893.0	894.0
152.5°	966.6	931.2	903.4	895.6	893.2	898.0	901.0	901.2
155°	1023.0	985.0	949.0	932.0	925.0	923.0	922.0	919.0
157.5°	1076.4	1036.0	996.2	977.8	966.6	960.4	955.8	952.6
160°	1110.0	1068.0	1029.0	1009.0	997.0	990.0	983.0	979.0
162.5°	1144.4	1104.8	1065.0	1041.8	1029.8	1022.0	1014.2	1007.8
165°	1190.0	1157.0	1117.0	1092.0	1077.0	1072.0	1065.0	1060.0
167.5°	1230.0	1204.4	1168.6	1145.0	1133.6	1124.4	1117.4	1108.4
170°	1254.0	1234.0	1199.0	1177.0	1172.0	1162.0	1155.0	1146.0
172.5°	1273.2	1257.2	1229.4	1211.4	1207.2	1201.2	1195.8	1188.4
175°	1299.0	1291.0	1270.0	1257.0	1257.0	1255.0	1254.0	1245.0
177.5°	1317.0	1313.0	1301.0	1294.6	1300.2	1301.8	1297.8	1290.6
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0

(END OF REPORT)