

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: P709326

Luminaire Tested: DL2W-WB-M-025U-050D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P709326  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-1, G3-2104-222-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: DL2W-WB-M-025U-050D-935-UNV-STD-W-WM-4  
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3162.7 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.17  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Direct

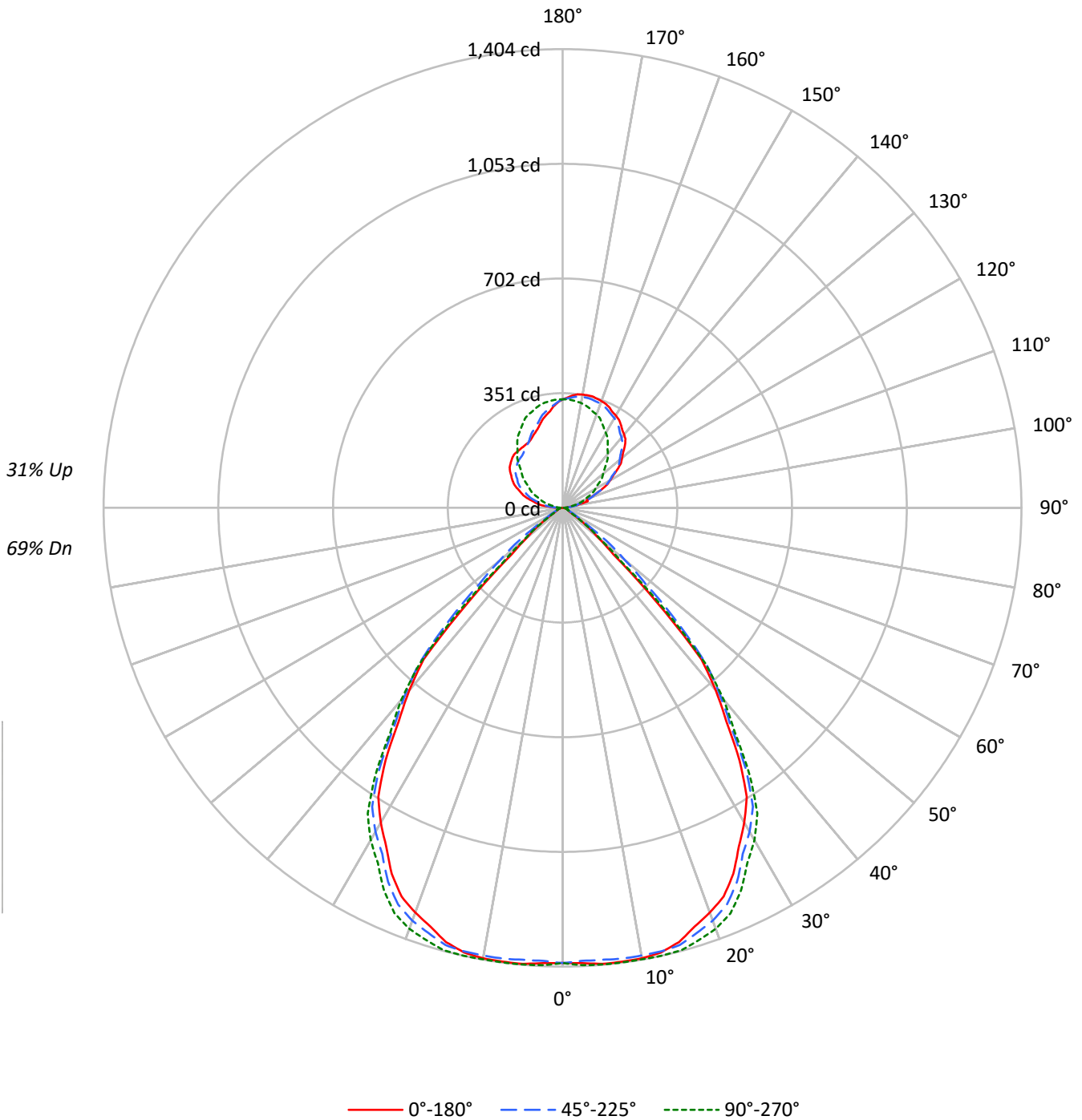
Input Watts (W): 25.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	69				
1	105	101	98	95	99	96	93	91	86	84	82	77	76	75	69	68	67	63				
2	97	91	86	82	92	87	83	79	79	75	73	71	69	67	64	62	61	57				
3	91	83	77	72	86	79	74	69	72	68	64	65	62	60	59	57	55	52				
4	84	75	69	63	80	72	66	61	66	61	57	60	57	54	55	52	50	47				
5	79	69	62	57	75	66	60	55	61	55	52	56	52	48	51	48	45	43				
6	73	63	56	51	70	60	54	49	56	50	47	51	47	44	47	44	41	39				
7	69	58	51	46	65	56	49	45	51	46	42	48	43	40	44	40	38	36				
8	64	53	46	41	61	51	45	40	48	42	38	44	40	37	41	37	35	33				
9	60	49	42	38	58	47	41	37	44	39	35	41	37	34	38	35	32	30				
10	57	46	39	35	54	44	38	34	41	36	32	38	34	31	36	32	29	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	22491	22491	22491	22491	22491
5°	22707	22503	22739	22503	22707
10°	22953	22810	23002	22810	22953
15°	23000	23156	23435	23156	23000
20°	22646	23097	23557	23097	22646
25°	22019	22502	23017	22502	22019
30°	20732	21333	21888	21333	20732
35°	18607	19295	19671	19295	18607
40°	15365	15823	16166	15823	15365
45°	9225	11424	10229	11424	9225
50°	3642	6300	3969	6300	3642
55°	1942	2859	1914	2859	1942
60°	840	1426	904	1426	840
65°	764	867	802	867	764
70°	755	807	803	807	755
75°	686	805	749	805	686
80°	651	744	744	744	651
85°	556	741	741	741	556

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 60°  
 Vertical Angle: 45°  
 Luminance: 11501 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	4.2
10°-20°	391.4	12.4
20°-30°	579.5	18.3
30°-40°	600.3	19.0
40°-50°	360.8	11.4
50°-60°	86.2	2.7
60°-70°	23.5	0.7
70°-80°	13.1	0.4
80°-90°	5.6	0.2
90°-100°	26.5	0.8
100°-110°	77.1	2.4
110°-120°	125.7	4.0
120°-130°	159.4	5.0
130°-140°	170.6	5.4
140°-150°	159.3	5.0
150°-160°	131.1	4.1
160°-170°	88.0	2.8
170°-180°	31.2	1.0
0°-30°	1104.3	34.9
0°-40°	1704.6	53.9
0°-60°	2151.6	68.0
0°-90°	2193.8	69.4
90°-120°	229.2	7.2
90°-150°	718.6	22.7
90°-180°	969.0	30.6
0°-180°	3162.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1393	1393	1393	1393	1393	
5°	1401	1388	1403	1388	1401	134
15°	1376	1385	1402	1385	1376	387
25°	1236	1263	1292	1263	1236	565
35°	944	979	998	979	944	582
45°	404	500	448	500	404	318
55°	69	102	68	102	69	67
65°	20	23	21	23	20	20
75°	11	13	12	13	11	12
85°	3	4	4	4	3	4
90°	7	6	1	9	16	3
95°	8	10	11	34	46	13
105°	80	59	49	88	109	73
115°	130	130	94	139	161	128
125°	205	200	139	174	196	182
135°	270	256	188	194	217	207
145°	311	300	241	207	222	194
155°	339	330	286	236	230	156
165°	353	344	316	276	265	100
175°	345	340	331	316	312	33
180°	332	332	332	332	332	

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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1394.6	1396.0	1397.4	1393.5	1387.8	1387.5	1392.5	1396.7	1398.9	1401.0	1398.9
5°	1401.0	1401.9	1402.8	1397.0	1389.0	1387.9	1393.7	1398.6	1400.8	1403.0	1400.8
7.5°	1400.8	1402.1	1403.5	1398.8	1392.1	1391.2	1396.1	1400.2	1401.6	1403.0	1401.6
10°	1400.0	1401.3	1402.7	1398.0	1391.3	1391.3	1398.0	1403.0	1403.0	1403.0	1403.0
12.5°	1393.6	1395.6	1397.7	1394.5	1389.6	1391.8	1400.9	1407.4	1405.6	1403.8	1405.6
15°	1376.0	1379.1	1382.2	1382.7	1382.2	1388.4	1401.3	1410.0	1406.0	1402.0	1406.0
17.5°	1343.6	1347.9	1352.1	1355.8	1359.3	1369.9	1387.7	1399.4	1393.2	1387.0	1393.2
20°	1318.0	1321.6	1325.1	1331.0	1337.7	1350.8	1370.3	1383.4	1377.2	1371.0	1377.2
22.5°	1287.6	1291.5	1295.4	1301.1	1307.4	1321.1	1342.1	1356.2	1349.6	1343.0	1349.6
25°	1236.0	1239.6	1243.1	1249.3	1256.4	1269.8	1289.3	1302.7	1297.3	1292.0	1297.3
27.5°	1168.0	1171.9	1175.8	1181.8	1188.5	1200.2	1217.1	1229.2	1226.8	1224.4	1226.8
30°	1112.0	1117.3	1122.7	1130.3	1138.8	1149.7	1163.0	1173.1	1173.6	1174.0	1173.6
32.5°	1048.8	1055.9	1063.0	1070.9	1079.0	1089.1	1101.4	1110.4	1109.8	1109.2	1109.8
35°	944.0	951.6	959.1	967.0	975.0	982.8	990.3	996.2	997.1	998.0	997.1
37.5°	822.6	825.5	828.5	835.7	844.3	852.6	860.7	866.6	866.0	865.4	866.0
40°	729.0	729.4	729.9	737.0	746.3	755.2	763.7	769.7	768.3	767.0	768.3
42.5°	629.0	630.9	632.7	640.5	650.2	658.2	664.5	666.7	656.9	647.0	656.9
45°	404.0	436.9	469.8	486.3	497.4	503.2	503.7	497.8	472.9	448.0	472.9
47.5°	211.4	243.8	276.3	309.1	342.1	349.8	332.3	311.4	280.3	249.2	280.3
50°	145.0	156.1	167.2	203.0	247.0	254.6	225.7	198.9	178.4	158.0	178.4
52.5°	105.8	112.6	119.5	147.3	182.0	185.1	156.6	132.7	122.5	112.4	122.5
55°	69.0	70.8	72.6	85.0	101.0	102.1	88.3	76.9	72.4	68.0	72.4
57.5°	41.2	44.9	48.7	54.3	60.6	60.8	54.9	49.4	45.5	41.6	45.5
60°	26.0	28.7	31.3	37.0	43.7	44.6	39.7	35.1	31.6	28.0	31.6
62.5°	23.6	24.5	25.4	29.3	34.2	34.5	30.3	26.9	25.9	24.8	25.9
65°	20.0	20.4	20.9	21.7	22.6	22.8	22.3	21.9	21.4	21.0	21.4
67.5°	17.6	18.0	18.5	18.9	19.2	19.4	19.5	19.5	19.0	18.6	19.0
70°	16.0	16.4	16.9	17.0	17.0	17.2	17.7	17.9	17.4	17.0	17.4
72.5°	14.4	14.5	14.6	14.9	15.2	15.4	15.5	15.6	15.5	15.4	15.5
75°	11.0	11.4	11.9	12.3	12.8	13.0	13.0	12.9	12.4	12.0	12.4
77.5°	8.6	9.0	9.5	9.6	9.6	9.8	10.1	10.3	10.0	9.6	10.0
80°	7.0	7.4	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
82.5°	5.4	5.8	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
85°	3.0	3.4	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	2.2	2.2	2.2	2.5	2.8	2.8	2.8	2.4	2.2	1.8	2.0
90°	7.0	7.0	7.0	7.0	7.0	6.0	6.0	4.0	3.0	1.0	2.0
92.5°	8.6	8.6	8.6	8.6	7.8	6.8	6.0	5.6	6.2	3.4	6.8
95°	8.0	8.0	8.0	8.0	9.0	12.0	16.0	17.0	12.0	11.0	15.0
97.5°	18.2	19.4	20.6	24.4	30.6	31.8	30.2	21.2	21.0	20.0	27.0
100°	35.0	37.0	39.0	42.0	49.0	39.0	31.0	30.0	29.0	28.0	35.0
102.5°	58.2	59.4	62.2	62.0	48.2	43.0	41.4	39.6	37.0	36.0	43.8
105°	80.0	75.0	66.0	58.0	59.0	59.0	59.0	54.0	50.0	49.0	57.0
107.5°	76.8	75.8	76.8	78.6	79.6	79.4	77.0	70.6	63.6	62.2	70.2
110°	92.0	91.0	92.0	93.0	94.0	93.0	89.0	81.0	74.0	71.0	79.0

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	105.6	106.2	107.2	108.2	108.4	107.4	102.6	93.0	83.6	79.8	87.0
115°	130.0	130.0	130.0	131.0	131.0	129.0	122.0	111.0	99.0	94.0	99.0
117.5°	153.6	152.8	152.8	152.8	152.8	149.4	141.2	128.0	114.6	107.2	111.8
120°	168.0	168.0	168.0	168.0	168.0	163.0	154.0	140.0	125.0	116.0	119.0
122.5°	183.2	182.4	183.2	182.4	181.6	176.6	166.0	152.0	136.2	124.8	126.2
125°	205.0	205.0	203.0	203.0	202.0	197.0	185.0	170.0	153.0	139.0	138.0
127.5°	225.2	226.0	223.4	222.4	220.8	213.8	203.0	189.0	169.0	152.6	148.0
130°	238.0	238.0	237.0	236.0	232.0	225.0	215.0	201.0	181.0	163.0	156.0
132.5°	251.6	251.6	250.6	248.0	243.2	237.0	227.0	213.0	192.2	173.4	164.0
135°	270.0	269.0	267.0	265.0	260.0	253.0	244.0	230.0	209.0	188.0	177.0
137.5°	285.0	284.0	282.2	278.4	274.4	267.6	258.6	245.4	225.8	204.6	189.4
140°	293.0	292.0	291.0	288.0	284.0	278.0	269.0	255.0	237.0	215.0	199.0
142.5°	300.2	300.0	298.2	296.0	292.0	285.2	277.8	264.6	246.6	226.2	208.6
145°	311.0	311.0	310.0	308.0	304.0	297.0	291.0	279.0	261.0	241.0	223.0
147.5°	320.4	320.6	319.4	317.4	313.6	307.6	301.8	289.8	274.2	256.2	237.4
150°	326.0	327.0	325.0	323.0	320.0	314.0	309.0	297.0	283.0	265.0	247.0
152.5°	330.8	332.6	330.6	329.4	325.6	319.6	314.6	303.4	290.2	274.6	256.6
155°	339.0	340.0	338.0	337.0	332.0	327.0	323.0	312.0	300.0	286.0	271.0
157.5°	344.8	345.8	344.8	342.8	337.8	333.0	329.0	320.0	309.2	297.6	283.0
160°	348.0	349.0	348.0	346.0	341.0	337.0	333.0	324.0	314.0	304.0	291.0
162.5°	350.4	351.4	350.4	348.4	343.4	339.4	336.2	328.0	318.8	308.8	297.4
165°	353.0	354.0	353.0	350.0	346.0	342.0	339.0	332.0	324.0	316.0	308.0
167.5°	352.8	354.8	353.0	351.8	346.0	344.0	341.2	335.2	328.6	322.0	314.4
170°	352.0	354.0	353.0	351.0	346.0	344.0	342.0	336.0	331.0	326.0	320.0
172.5°	350.4	351.6	350.6	349.4	344.4	342.4	341.2	336.8	332.6	328.4	323.2
175°	345.0	347.0	346.0	345.0	340.0	339.0	340.0	336.0	333.0	331.0	328.0
177.5°	337.6	339.2	338.4	337.6	335.2	334.4	336.0	334.4	332.8	332.0	330.4
180°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0

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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0	1393.0
2.5°	1396.7	1392.5	1387.5	1387.8	1393.5	1397.4	1396.0	1394.6
5°	1398.6	1393.7	1387.9	1389.0	1397.0	1402.8	1401.9	1401.0
7.5°	1400.2	1396.1	1391.2	1392.1	1398.8	1403.5	1402.1	1400.8
10°	1403.0	1398.0	1391.3	1391.3	1398.0	1402.7	1401.3	1400.0
12.5°	1407.4	1400.9	1391.8	1389.6	1394.5	1397.7	1395.6	1393.6
15°	1410.0	1401.3	1388.4	1382.2	1382.7	1382.2	1379.1	1376.0
17.5°	1399.4	1387.7	1369.9	1359.3	1355.8	1352.1	1347.9	1343.6
20°	1383.4	1370.3	1350.8	1337.7	1331.0	1325.1	1321.6	1318.0
22.5°	1356.2	1342.1	1321.1	1307.4	1301.1	1295.4	1291.5	1287.6
25°	1302.7	1289.3	1269.8	1256.4	1249.3	1243.1	1239.6	1236.0
27.5°	1229.2	1217.1	1200.2	1188.5	1181.8	1175.8	1171.9	1168.0
30°	1173.1	1163.0	1149.7	1138.8	1130.3	1122.7	1117.3	1112.0
32.5°	1110.4	1101.4	1089.1	1079.0	1070.9	1063.0	1055.9	1048.8
35°	996.2	990.3	982.8	975.0	967.0	959.1	951.6	944.0
37.5°	866.6	860.7	852.6	844.3	835.7	828.5	825.5	822.6
40°	769.7	763.7	755.2	746.3	737.0	729.9	729.4	729.0
42.5°	666.7	664.5	658.2	650.2	640.5	632.7	630.9	629.0
45°	497.8	503.7	503.2	497.4	486.3	469.8	436.9	404.0
47.5°	311.4	332.3	349.8	342.1	309.1	276.3	243.8	211.4
50°	198.9	225.7	254.6	247.0	203.0	167.2	156.1	145.0
52.5°	132.7	156.6	185.1	182.0	147.3	119.5	112.6	105.8
55°	76.9	88.3	102.1	101.0	85.0	72.6	70.8	69.0
57.5°	49.4	54.9	60.8	60.6	54.3	48.7	44.9	41.2
60°	35.1	39.7	44.6	43.7	37.0	31.3	28.7	26.0
62.5°	26.9	30.3	34.5	34.2	29.3	25.4	24.5	23.6
65°	21.9	22.3	22.8	22.6	21.7	20.9	20.4	20.0
67.5°	19.5	19.5	19.4	19.2	18.9	18.5	18.0	17.6
70°	17.9	17.7	17.2	17.0	17.0	16.9	16.4	16.0
72.5°	15.6	15.5	15.4	15.2	14.9	14.6	14.5	14.4
75°	12.9	13.0	13.0	12.8	12.3	11.9	11.4	11.0
77.5°	10.3	10.1	9.8	9.6	9.6	9.5	9.0	8.6
80°	8.0	8.0	8.0	8.0	8.0	7.9	7.4	7.0
82.5°	6.4	6.4	6.4	6.4	6.4	6.3	5.8	5.4
85°	4.0	4.0	4.0	4.0	4.0	3.9	3.4	3.0
87.5°	2.4	2.8	3.2	3.4	3.7	3.6	3.8	4.0
90°	4.0	6.0	8.0	10.0	13.0	14.0	15.0	16.0
92.5°	8.8	12.4	16.0	18.8	22.6	25.2	25.4	26.4
95°	21.0	26.0	31.0	36.0	41.0	45.0	46.0	46.0
97.5°	33.4	41.2	47.8	53.8	59.6	63.0	65.2	67.2
100°	43.0	50.0	59.0	65.0	70.0	75.0	78.0	80.0
102.5°	52.6	59.6	68.6	76.2	83.6	87.0	90.8	92.0
105°	67.0	75.0	84.0	93.0	99.0	104.0	107.0	109.0
107.5°	80.4	90.4	99.0	107.4	113.6	119.6	123.4	124.6
110°	90.0	100.0	111.0	117.0	124.0	130.0	133.0	135.0



TEST NUMBER: P709326

CATALOG NUMBER: DL2W-WB-M-025U-050D-935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	98.8	109.6	120.6	128.2	135.2	141.2	144.2	146.2
115°	111.0	122.0	133.0	145.0	152.0	156.0	159.0	161.0
117.5°	122.0	134.0	145.0	155.8	163.8	167.0	169.0	170.2
120°	130.0	142.0	153.0	163.0	171.0	175.0	177.0	179.0
122.5°	136.4	148.4	159.4	169.4	177.4	182.2	185.0	186.2
125°	146.0	157.0	169.0	178.0	186.0	192.0	195.0	196.0
127.5°	153.6	165.0	177.0	186.4	194.4	199.2	202.2	204.0
130°	160.0	169.0	181.0	192.0	200.0	204.0	207.0	208.0
132.5°	166.4	173.8	185.0	196.0	204.0	208.8	211.8	212.8
135°	175.0	179.0	189.0	200.0	208.0	213.0	216.0	217.0
137.5°	185.8	187.2	192.8	203.2	211.4	216.4	219.2	220.2
140°	193.0	192.0	196.0	204.0	213.0	218.0	220.0	221.0
142.5°	199.4	197.6	199.2	205.6	213.0	218.0	220.8	221.0
145°	212.0	207.0	205.0	209.0	214.0	219.0	222.0	222.0
147.5°	224.2	218.0	213.4	214.2	216.8	220.4	222.2	222.4
150°	233.0	226.0	219.0	219.0	220.0	222.0	223.0	224.0
152.5°	242.6	234.0	226.2	224.6	224.0	224.4	226.2	225.6
155°	256.0	246.0	237.0	234.0	232.0	231.0	231.0	230.0
157.5°	269.2	260.0	249.2	245.0	241.8	240.0	238.8	237.8
160°	278.0	268.0	258.0	253.0	249.0	248.0	246.0	245.0
162.5°	286.8	276.0	266.8	261.0	257.0	256.0	254.8	253.0
165°	298.0	290.0	279.0	273.0	271.0	268.0	267.0	265.0
167.5°	308.4	301.8	293.0	287.2	283.4	281.4	280.4	278.4
170°	314.0	309.0	301.0	296.0	293.0	291.0	290.0	288.0
172.5°	318.8	314.6	308.2	304.0	301.8	300.6	298.8	297.6
175°	325.0	323.0	317.0	314.0	315.0	314.0	314.0	312.0
177.5°	329.6	328.8	325.6	324.0	326.4	325.6	325.6	323.2
180°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0

(END OF REPORT)