

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: P709245

Luminaire Tested: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

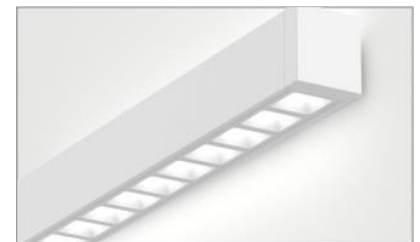
Test Information

Test Method: LM-79-2019
Report Number: P709245
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-1, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3963.4 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.16
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

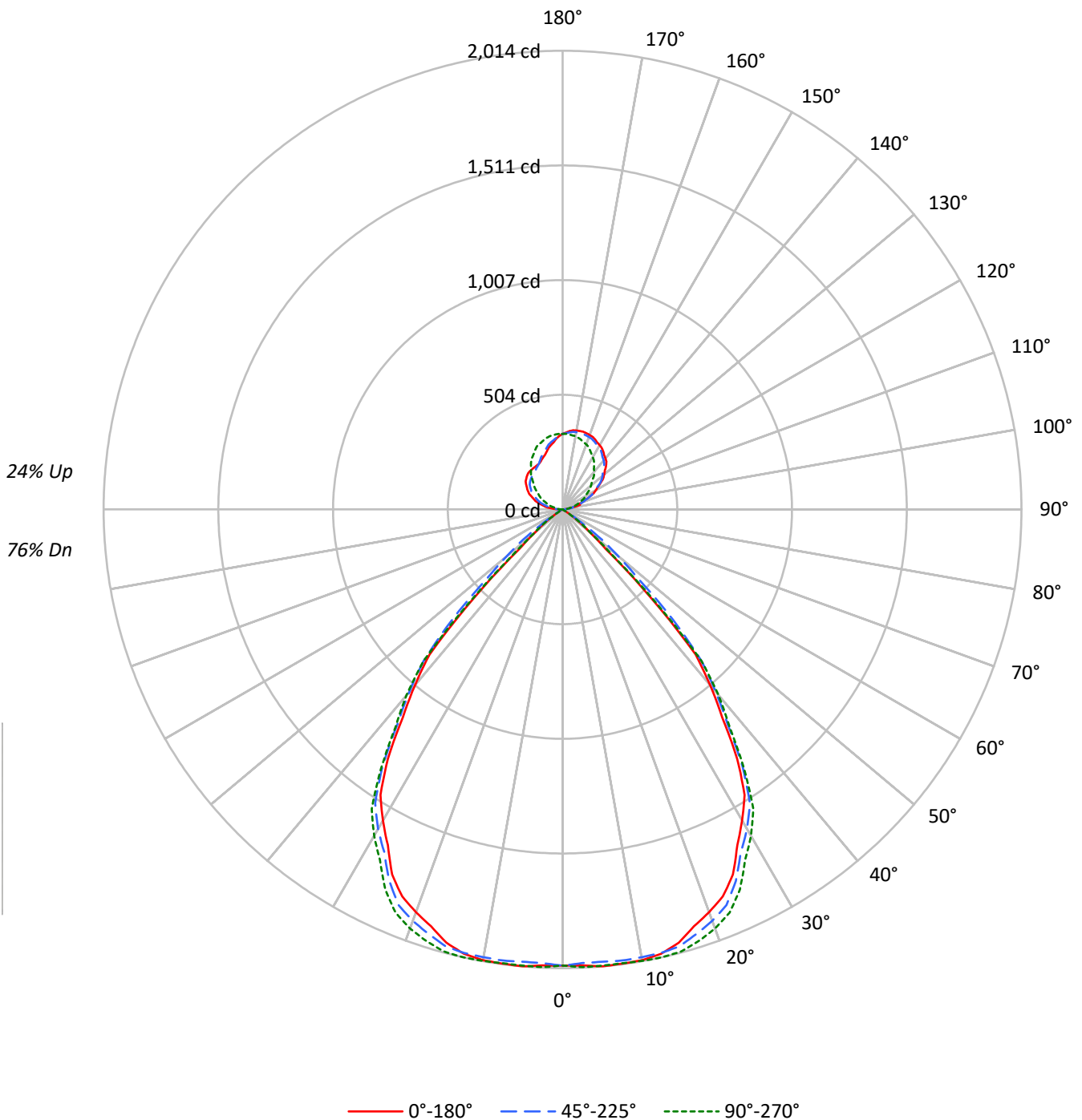
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709245

CATALOG NUMBER: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709245

CATALOG NUMBER: DL2W-BB-M-025U-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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76		
1	106	103	100	98	101	99	96	94	90	88	86	82	81	79	75	74	73	70		
2	100	94	89	85	95	90	86	82	83	79	77	76	74	71	70	68	66	63		
3	93	85	80	75	89	82	77	73	76	72	69	70	67	64	65	63	60	58		
4	87	78	72	67	83	75	69	65	70	65	62	65	61	58	60	57	55	53		
5	81	71	65	60	78	69	63	58	64	59	55	60	56	53	56	53	50	48		
6	76	66	59	54	73	64	57	53	59	54	50	56	51	48	52	49	46	44		
7	71	60	54	49	68	59	52	48	55	50	46	52	47	44	49	45	42	40		
8	67	56	49	44	64	54	48	43	51	46	42	48	44	40	45	41	39	37		
9	63	52	45	41	60	50	44	40	47	42	38	45	40	37	42	38	36	34		
10	59	48	42	37	57	47	41	37	44	39	35	42	37	34	40	36	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32330	32330	32330	32330	32330
5°	32632	32305	32584	32305	32632
10°	32944	32727	32993	32727	32944
15°	32918	33178	33588	33178	32918
20°	32323	33020	33630	33020	32323
25°	31515	32052	32799	32052	31515
30°	29394	30185	30833	30185	29394
35°	26337	27138	27364	27138	26337
40°	21239	22060	22443	22060	21239
45°	12556	15608	13381	15608	12556
50°	3951	7981	4177	7981	3951
55°	1579	2806	1579	2806	1579
60°	32	762	97	762	32
65°	0	31	0	31	0
70°	0	0	0	0	0
75°	0	0	0	0	0
80°	0	0	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 15664 cd/sqm

TEST NUMBER: P709245

CATALOG NUMBER: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	4.8
10°-20°	560.8	14.2
20°-30°	825.1	20.8
30°-40°	843.3	21.3
40°-50°	485.8	12.3
50°-60°	83.6	2.1
60°-70°	3.0	0.1
70°-80°	0.0	0.0
80°-90°	1.8	0.0
90°-100°	26.5	0.7
100°-110°	77.1	1.9
110°-120°	125.7	3.2
120°-130°	159.4	4.0
130°-140°	170.6	4.3
140°-150°	159.3	4.0
150°-160°	131.1	3.3
160°-170°	88.0	2.2
170°-180°	31.2	0.8
0°-30°	1577.4	39.8
0°-40°	2420.6	61.1
0°-60°	2990.0	75.4
0°-90°	2994.8	75.6
90°-120°	229.2	5.8
90°-150°	718.6	18.1
90°-180°	969.0	24.4
0°-180°	3963.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2002	2002	2002	2002	2002	
5°	2013	1993	2010	1993	2013	192
15°	1969	1985	2009	1985	1969	553
25°	1769	1799	1841	1799	1769	805
35°	1336	1377	1388	1377	1336	820
45°	550	684	586	684	550	426
55°	56	100	56	100	56	57
65°	0	1	0	1	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	1
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	

TEST NUMBER: P709245

CATALOG NUMBER: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2004.0	2005.7	2007.5	2001.8	1993.6	1993.1	2000.2	2006.2	2008.7	2011.2	2008.7
5°	2013.4	2014.3	2015.2	2006.4	1994.3	1992.1	1999.7	2005.9	2008.1	2010.4	2008.1
7.5°	2011.0	2013.2	2015.4	2008.6	1998.7	1996.4	2001.8	2006.1	2007.7	2009.2	2007.7
10°	2009.4	2011.6	2013.8	2006.7	1996.5	1995.8	2004.7	2011.5	2011.9	2012.4	2011.9
12.5°	1998.2	2002.2	2006.2	2001.1	1993.0	1995.9	2009.8	2019.5	2016.7	2014.0	2016.7
15°	1969.3	1975.1	1980.9	1981.3	1980.0	1989.8	2010.7	2024.5	2016.9	2009.4	2016.9
17.5°	1918.8	1927.0	1935.2	1940.9	1945.8	1962.2	1990.1	2008.3	1997.6	1986.9	1997.6
20°	1881.2	1888.3	1895.4	1903.5	1912.0	1931.6	1962.3	1982.2	1969.8	1957.3	1969.8
22.5°	1838.7	1844.4	1850.1	1859.5	1870.1	1890.0	1919.3	1938.4	1927.0	1915.6	1927.0
25°	1769.0	1772.1	1775.2	1782.0	1790.0	1808.3	1836.8	1856.2	1848.7	1841.1	1848.7
27.5°	1660.8	1664.8	1668.8	1677.3	1687.3	1702.9	1724.3	1739.8	1737.7	1735.5	1737.7
30°	1576.6	1584.2	1591.8	1601.7	1612.4	1625.7	1641.8	1653.8	1653.8	1653.8	1653.8
32.5°	1486.9	1494.5	1502.0	1512.7	1524.5	1536.1	1547.5	1556.3	1557.3	1558.4	1557.3
35°	1336.2	1342.9	1349.6	1359.9	1371.5	1382.2	1392.0	1398.1	1393.2	1388.3	1393.2
37.5°	1151.1	1156.7	1162.4	1173.1	1185.6	1195.5	1202.9	1208.0	1206.1	1204.2	1206.1
40°	1007.7	1016.2	1024.6	1033.4	1042.3	1051.0	1059.4	1065.7	1065.2	1064.8	1065.2
42.5°	864.3	867.7	871.2	882.7	897.0	908.2	916.3	920.1	911.1	902.1	911.1
45°	549.9	595.8	641.6	665.1	681.1	686.0	679.8	665.2	625.6	586.0	625.6
47.5°	259.0	307.6	356.1	402.5	448.2	456.4	427.3	393.1	343.8	294.5	343.8
50°	157.3	173.7	190.2	245.4	313.5	322.0	270.8	225.0	195.7	166.3	195.7
52.5°	106.0	115.3	124.7	165.0	215.7	218.6	173.8	137.0	124.0	111.0	124.0
55°	56.1	58.8	61.4	78.1	99.5	99.9	79.5	63.2	59.7	56.1	59.7
57.5°	21.0	25.4	29.8	36.5	44.1	43.9	35.9	28.6	23.8	19.0	23.8
60°	1.0	5.0	9.0	15.7	23.3	23.9	17.7	11.9	7.5	3.0	7.5
62.5°	0.2	1.4	2.5	7.4	13.6	13.7	7.8	3.1	1.8	0.6	1.8
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.2	1.2	0.8	0.6	0.2	0.4
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

TEST NUMBER: P709245

CATALOG NUMBER: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4

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

TEST NUMBER: P709245

CATALOG NUMBER: DL2W-BB-M-025U-075D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4	2002.4
2.5°	2006.2	2000.2	1993.1	1993.6	2001.8	2007.5	2005.7	2004.0
5°	2005.9	1999.7	1992.1	1994.3	2006.4	2015.2	2014.3	2013.4
7.5°	2006.1	2001.8	1996.4	1998.7	2008.6	2015.4	2013.2	2011.0
10°	2011.5	2004.7	1995.8	1996.5	2006.7	2013.8	2011.6	2009.4
12.5°	2019.5	2009.8	1995.9	1993.0	2001.1	2006.2	2002.2	1998.2
15°	2024.5	2010.7	1989.8	1980.0	1981.3	1980.9	1975.1	1969.3
17.5°	2008.3	1990.1	1962.2	1945.8	1940.9	1935.2	1927.0	1918.8
20°	1982.2	1962.3	1931.6	1912.0	1903.5	1895.4	1888.3	1881.2
22.5°	1938.4	1919.3	1890.0	1870.1	1859.5	1850.1	1844.4	1838.7
25°	1856.2	1836.8	1808.3	1790.0	1782.0	1775.2	1772.1	1769.0
27.5°	1739.8	1724.3	1702.9	1687.3	1677.3	1668.8	1664.8	1660.8
30°	1653.8	1641.8	1625.7	1612.4	1601.7	1591.8	1584.2	1576.6
32.5°	1556.3	1547.5	1536.1	1524.5	1512.7	1502.0	1494.5	1486.9
35°	1398.1	1392.0	1382.2	1371.5	1359.9	1349.6	1342.9	1336.2
37.5°	1208.0	1202.9	1195.5	1185.6	1173.1	1162.4	1156.7	1151.1
40°	1065.7	1059.4	1051.0	1042.3	1033.4	1024.6	1016.2	1007.7
42.5°	920.1	916.3	908.2	897.0	882.7	871.2	867.7	864.3
45°	665.2	679.8	686.0	681.1	665.1	641.6	595.8	549.9
47.5°	393.1	427.3	456.4	448.2	402.5	356.1	307.6	259.0
50°	225.0	270.8	322.0	313.5	245.4	190.2	173.7	157.3
52.5°	137.0	173.8	218.6	215.7	165.0	124.7	115.3	106.0
55°	63.2	79.5	99.9	99.5	78.1	61.4	58.8	56.1
57.5°	28.6	35.9	43.9	44.1	36.5	29.8	25.4	21.0
60°	11.9	17.7	23.9	23.3	15.7	9.0	5.0	1.0
62.5°	3.1	7.8	13.7	13.6	7.4	2.5	1.4	0.2
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	1.2	1.6	2.0	2.6	2.8	3.0	3.2
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: P709245

CATALOG NUMBER: DL2W-BB-M-025U-075D-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)