

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: P709335

Luminaire Tested: DL2W-WB-M-025U-125D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709335
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-1, G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-025U-125D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6409.3 lumens
Efficiency: N/A
Efficacy: 112.1 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: Semi-Direct

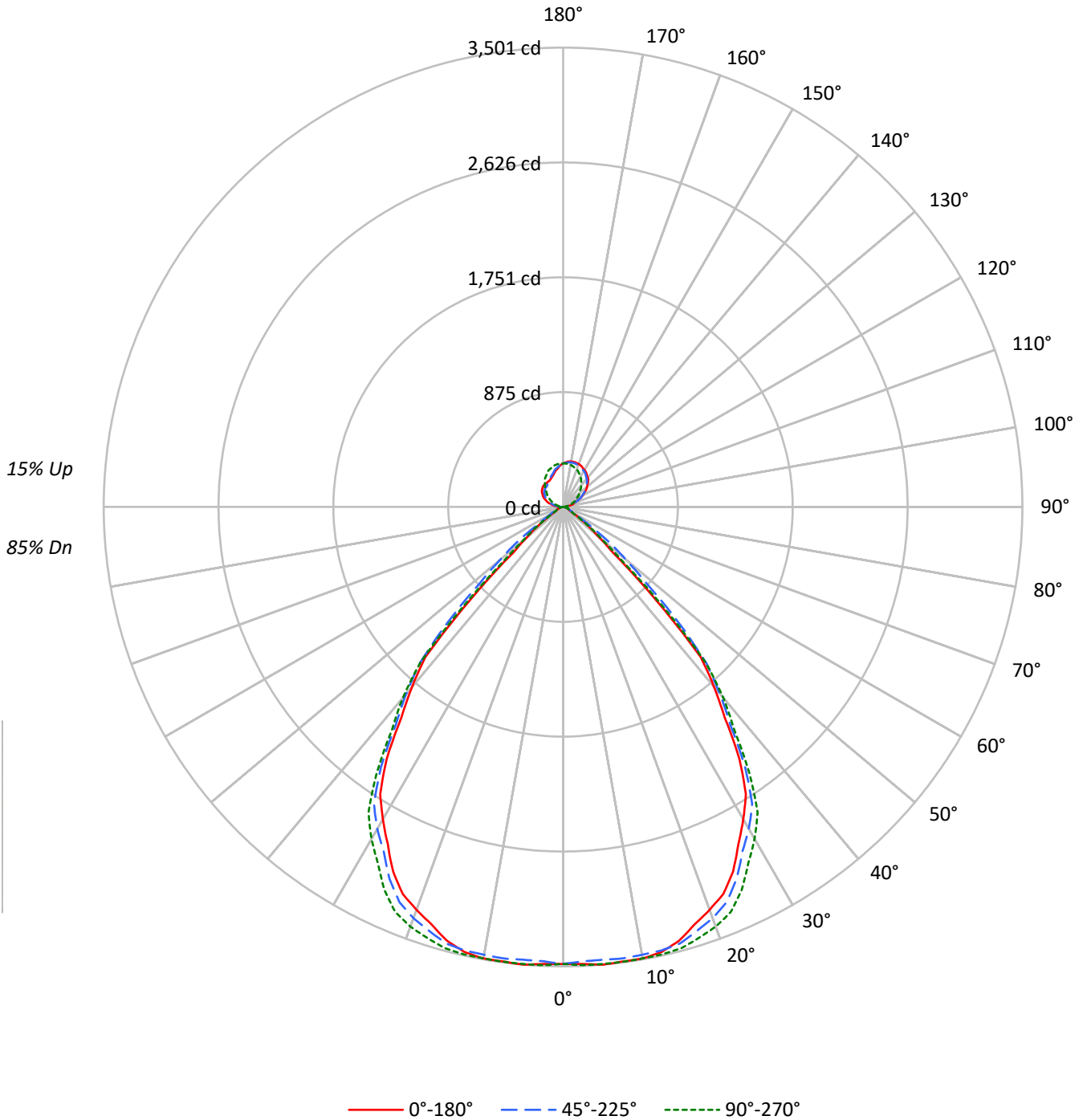
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709335

CATALOG NUMBER: DL2W-WB-M-025U-125D-935-UNV-STD-W-WM-4

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	0
RCR																		
0	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	109	105	102	100	104	102	99	97	95	93	91	88	87	85	83	81	80	78
2	102	96	91	87	98	93	88	85	87	84	81	82	79	77	77	75	73	70
3	95	87	81	77	92	85	79	75	80	75	72	75	72	69	71	68	66	64
4	89	80	73	68	86	78	72	67	73	68	64	69	65	62	66	63	60	58
5	83	73	66	61	80	71	65	60	68	62	58	64	60	56	61	57	54	52
6	78	67	60	55	75	66	59	54	62	57	53	59	55	51	57	53	50	48
7	73	62	55	50	70	60	54	49	58	52	48	55	50	47	53	49	45	44
8	68	57	50	46	66	56	49	45	54	48	44	51	46	43	49	45	42	40
9	64	53	46	42	62	52	46	41	50	44	40	48	43	39	46	42	38	37
10	61	49	43	38	59	48	42	38	47	41	37	45	40	36	43	39	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56225	56225	56225	56225	56225
5°	56747	56131	56666	56131	56747
10°	57289	56814	57272	56814	57289
15°	57190	57561	58191	57561	57190
20°	56127	57286	58477	57286	56127
25°	54619	55726	57377	55726	54619
30°	51220	52799	54441	52799	51220
35°	46180	47671	48817	47671	46180
40°	37761	39190	40078	39190	37761
45°	22735	28303	25060	28303	22735
50°	8854	15723	9909	15723	8854
55°	4752	7125	4808	7125	4752
60°	2063	3523	2257	3523	2063
65°	1945	2153	2021	2153	1945
70°	1836	2028	1978	2028	1836
75°	1747	1937	1934	1937	1747
80°	1674	1869	1860	1869	1674
85°	1667	1686	1667	1686	1667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 28503 cd/sqm

TEST NUMBER: P709335

CATALOG NUMBER: DL2W-WB-M-025U-125D-935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	5.2
10°-20°	972.6	15.2
20°-30°	1437.8	22.4
30°-40°	1485.7	23.2
40°-50°	893.9	13.9
50°-60°	214.6	3.3
60°-70°	58.7	0.9
70°-80°	32.7	0.5
80°-90°	11.7	0.2
90°-100°	26.5	0.4
100°-110°	77.1	1.2
110°-120°	125.7	2.0
120°-130°	159.4	2.5
130°-140°	170.6	2.7
140°-150°	159.3	2.5
150°-160°	131.1	2.0
160°-170°	88.0	1.4
170°-180°	31.2	0.5
0°-30°	2743.1	42.8
0°-40°	4228.8	66.0
0°-60°	5337.4	83.3
0°-90°	5440.4	84.9
90°-120°	229.2	3.6
90°-150°	718.6	11.2
90°-180°	969.0	15.1
0°-180°	6409.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3482	3482	3482	3482	3482	
5°	3501	3463	3496	3463	3501	334
15°	3421	3444	3481	3444	3421	961
25°	3066	3128	3221	3128	3066	1400
35°	2343	2419	2477	2419	2343	1437
45°	996	1240	1098	1240	996	783
55°	169	253	171	253	169	164
65°	51	56	53	56	51	50
75°	28	31	31	31	28	30
85°	9	9	9	9	9	9
90°	7	6	1	9	16	4
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: P709335

CATALOG NUMBER: DL2W-WB-M-025U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3
2.5°	3485.5	3488.0	3490.5	3480.5	3466.3	3465.2	3477.3	3487.3	3491.2	3495.1	3491.2
5°	3501.3	3502.2	3503.1	3487.0	3465.2	3461.3	3475.0	3486.5	3491.4	3496.3	3491.4
7.5°	3493.5	3497.0	3500.4	3488.7	3471.9	3469.4	3481.1	3490.6	3493.1	3495.7	3493.1
10°	3494.3	3495.6	3497.0	3483.7	3465.5	3465.2	3483.0	3496.0	3494.6	3493.3	3494.6
12.5°	3473.5	3477.0	3480.5	3471.7	3458.8	3464.1	3487.5	3503.6	3497.7	3491.7	3497.7
15°	3421.4	3428.1	3434.7	3436.1	3435.6	3451.6	3484.0	3505.3	3493.3	3481.3	3493.3
17.5°	3335.3	3343.8	3352.2	3363.4	3375.6	3402.7	3444.7	3472.5	3457.9	3443.4	3457.9
20°	3266.6	3275.1	3283.5	3299.2	3317.4	3350.7	3399.1	3431.8	3417.6	3403.4	3417.6
22.5°	3192.3	3199.3	3206.3	3222.0	3240.6	3276.7	3330.4	3367.4	3354.3	3341.1	3354.3
25°	3065.9	3069.9	3073.9	3089.5	3109.1	3147.0	3203.4	3242.9	3231.8	3220.7	3231.8
27.5°	2894.3	2901.2	2908.0	2924.0	2943.1	2978.5	3030.1	3067.7	3063.0	3058.3	3063.0
30°	2747.3	2760.2	2773.1	2793.3	2815.9	2848.1	2889.8	2921.0	2920.5	2920.1	2920.5
32.5°	2593.1	2609.2	2625.3	2646.3	2668.9	2696.3	2728.4	2753.3	2756.4	2759.5	2756.4
35°	2342.9	2355.7	2368.6	2387.1	2407.6	2429.5	2453.0	2471.4	2474.0	2476.7	2474.0
37.5°	2024.1	2037.0	2050.0	2066.4	2084.0	2104.0	2126.5	2143.4	2143.9	2144.3	2143.9
40°	1791.6	1799.6	1807.6	1826.2	1848.4	1870.4	1892.1	1907.7	1904.6	1901.5	1904.6
42.5°	1553.5	1558.7	1563.8	1583.3	1607.7	1629.3	1648.2	1656.6	1633.6	1610.6	1633.6
45°	995.7	1078.7	1161.7	1203.7	1232.1	1247.0	1248.3	1232.5	1165.0	1097.5	1165.0
47.5°	515.5	596.8	678.1	764.6	852.9	873.6	826.7	773.3	700.5	627.8	700.5
50°	352.5	384.5	416.4	506.3	615.5	636.4	568.9	504.5	449.5	394.5	449.5
52.5°	263.0	278.7	294.3	364.1	452.0	461.5	392.6	334.2	307.2	280.2	307.2
55°	168.8	175.4	182.1	213.0	252.1	254.1	219.0	190.3	180.5	170.8	180.5
57.5°	103.9	112.6	121.3	134.8	149.8	150.0	135.2	121.7	112.6	103.5	112.6
60°	63.9	71.9	79.9	93.2	108.3	109.9	97.9	86.8	78.3	69.9	78.3
62.5°	57.5	60.5	63.6	73.2	85.1	86.2	76.3	68.1	65.0	61.9	65.0
65°	50.9	51.8	52.7	54.3	56.0	56.7	56.3	55.6	54.3	52.9	54.3
67.5°	43.7	45.1	46.4	47.1	47.5	48.0	48.4	48.5	47.6	46.7	47.6
70°	38.9	40.3	41.6	42.3	42.7	43.2	43.6	43.7	42.8	41.9	42.8
72.5°	35.0	35.9	36.9	37.5	37.9	38.4	38.8	38.9	38.0	37.2	38.0
75°	28.0	28.9	29.7	30.3	30.7	31.4	32.3	32.7	31.8	31.0	31.8
77.5°	22.0	22.9	23.7	24.2	24.6	25.0	25.4	25.6	24.8	24.0	24.8
80°	18.0	18.9	19.8	20.0	20.0	20.2	20.6	20.9	20.4	20.0	20.4
82.5°	14.0	14.5	15.0	15.2	15.2	15.4	15.8	16.2	16.1	16.0	16.1
85°	9.0	9.0	9.0	9.0	9.0	9.2	9.7	9.9	9.4	9.0	9.4
87.5°	3.8	4.2	4.5	4.6	4.6	4.4	4.4	4.0	3.8	3.4	3.6
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: P709335

CATALOG NUMBER: DL2W-WB-M-025U-125D-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: P709335

CATALOG NUMBER: DL2W-WB-M-025U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3
2.5°	3487.3	3477.3	3465.2	3466.3	3480.5	3490.5	3488.0	3485.5
5°	3486.5	3475.0	3461.3	3465.2	3487.0	3503.1	3502.2	3501.3
7.5°	3490.6	3481.1	3469.4	3471.9	3488.7	3500.4	3497.0	3493.5
10°	3496.0	3483.0	3465.2	3465.5	3483.7	3497.0	3495.6	3494.3
12.5°	3503.6	3487.5	3464.1	3458.8	3471.7	3480.5	3477.0	3473.5
15°	3505.3	3484.0	3451.6	3435.6	3436.1	3434.7	3428.1	3421.4
17.5°	3472.5	3444.7	3402.7	3375.6	3363.4	3352.2	3343.8	3335.3
20°	3431.8	3399.1	3350.7	3317.4	3299.2	3283.5	3275.1	3266.6
22.5°	3367.4	3330.4	3276.7	3240.6	3222.0	3206.3	3199.3	3192.3
25°	3242.9	3203.4	3147.0	3109.1	3089.5	3073.9	3069.9	3065.9
27.5°	3067.7	3030.1	2978.5	2943.1	2924.0	2908.0	2901.2	2894.3
30°	2921.0	2889.8	2848.1	2815.9	2793.3	2773.1	2760.2	2747.3
32.5°	2753.3	2728.4	2696.3	2668.9	2646.3	2625.3	2609.2	2593.1
35°	2471.4	2453.0	2429.5	2407.6	2387.1	2368.6	2355.7	2342.9
37.5°	2143.4	2126.5	2104.0	2084.0	2066.4	2050.0	2037.0	2024.1
40°	1907.7	1892.1	1870.4	1848.4	1826.2	1807.6	1799.6	1791.6
42.5°	1656.6	1648.2	1629.3	1607.7	1583.3	1563.8	1558.7	1553.5
45°	1232.5	1248.3	1247.0	1232.1	1203.7	1161.7	1078.7	995.7
47.5°	773.3	826.7	873.6	852.9	764.6	678.1	596.8	515.5
50°	504.5	568.9	636.4	615.5	506.3	416.4	384.5	352.5
52.5°	334.2	392.6	461.5	452.0	364.1	294.3	278.7	263.0
55°	190.3	219.0	254.1	252.1	213.0	182.1	175.4	168.8
57.5°	121.7	135.2	150.0	149.8	134.8	121.3	112.6	103.9
60°	86.8	97.9	109.9	108.3	93.2	79.9	71.9	63.9
62.5°	68.1	76.3	86.2	85.1	73.2	63.6	60.5	57.5
65°	55.6	56.3	56.7	56.0	54.3	52.7	51.8	50.9
67.5°	48.5	48.4	48.0	47.5	47.1	46.4	45.1	43.7
70°	43.7	43.6	43.2	42.7	42.3	41.6	40.3	38.9
72.5°	38.9	38.8	38.4	37.9	37.5	36.9	35.9	35.0
75°	32.7	32.3	31.4	30.7	30.3	29.7	28.9	28.0
77.5°	25.6	25.4	25.0	24.6	24.2	23.7	22.9	22.0
80°	20.9	20.6	20.2	20.0	20.0	19.8	18.9	18.0
82.5°	16.2	15.8	15.4	15.2	15.2	15.0	14.5	14.0
85°	9.9	9.7	9.2	9.0	9.0	9.0	9.0	9.0
87.5°	4.0	4.4	4.8	5.2	5.8	5.9	5.8	5.6
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: P709335

CATALOG NUMBER: DL2W-WB-M-025U-125D-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)