

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: P709331

Luminaire Tested: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

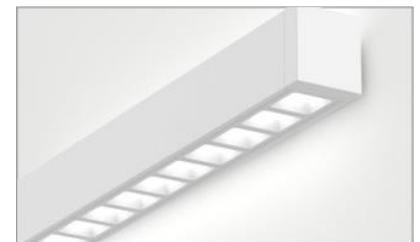
Test Information

Test Method: LM-79-2019
Report Number: P709331
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-1, G3-2104-222-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5126.3 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.18
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

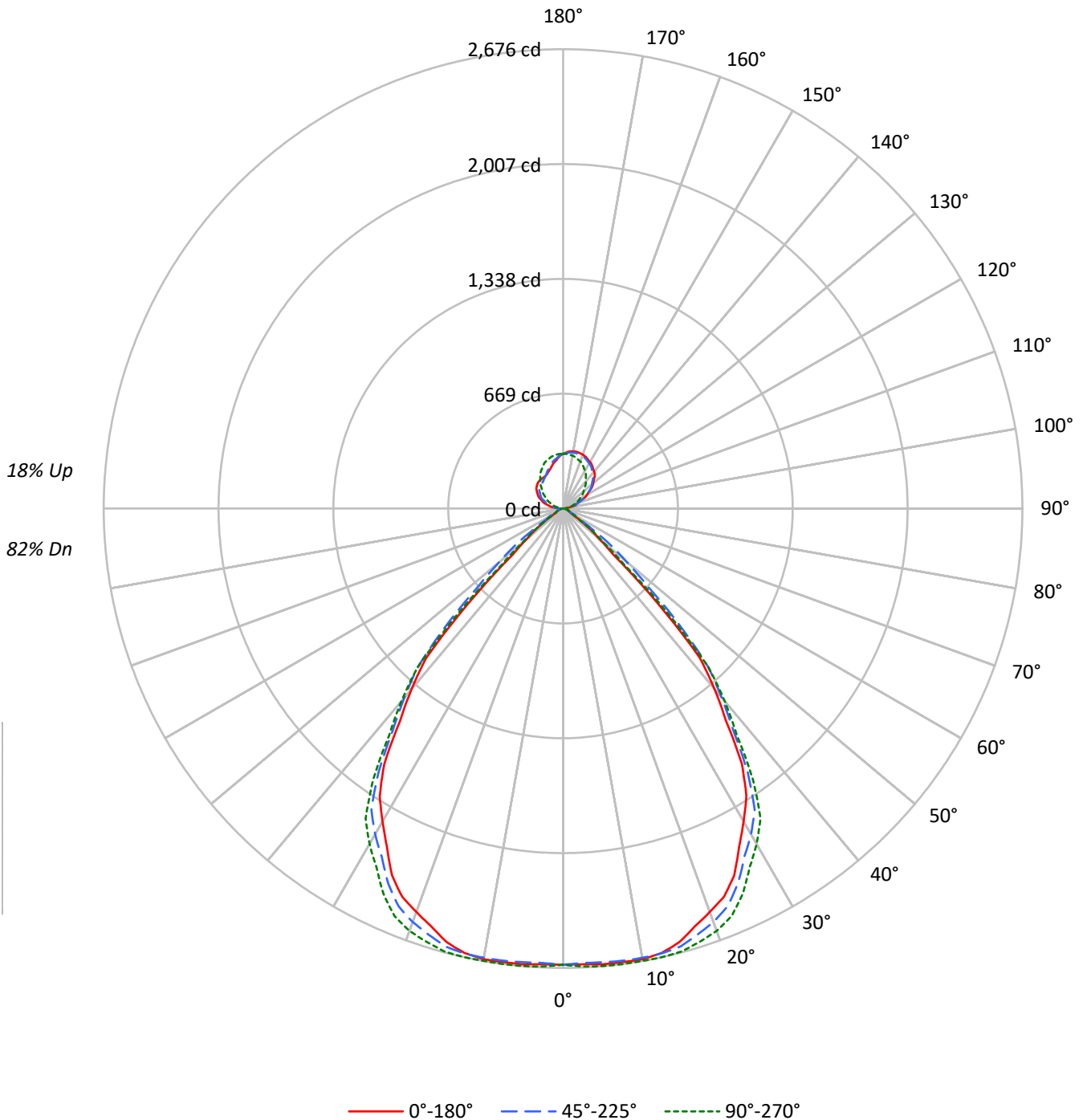
Input Watts (W): 45.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82		
1	108	104	101	99	103	100	98	95	93	91	89	86	85	83	80	79	78	75		
2	101	95	90	86	97	92	87	84	85	82	79	80	77	75	74	72	70	68		
3	94	86	80	76	90	84	78	74	78	74	70	73	70	67	69	66	64	61		
4	88	79	72	67	85	76	70	66	72	67	63	68	64	60	64	60	58	55		
5	82	72	65	60	79	70	64	59	66	61	57	62	58	55	59	55	53	50		
6	77	66	59	54	74	64	58	53	61	56	51	58	53	50	55	51	48	46		
7	72	61	54	49	69	59	53	48	56	51	47	54	49	45	51	47	44	42		
8	67	56	49	45	65	55	49	44	52	47	43	50	45	41	47	43	40	38		
9	63	52	45	41	61	51	45	40	49	43	39	46	42	38	44	40	37	35		
10	60	49	42	38	58	48	41	37	45	40	36	43	39	35	41	37	34	33		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42899	42899	42899	42899	42899
5°	43188	42996	43358	42996	43188
10°	43702	43562	43860	43562	43702
15°	43721	44157	44637	44157	43721
20°	42959	44033	44974	44033	42959
25°	42006	42942	44113	42942	42006
30°	39209	40834	42041	40834	39209
35°	35784	36941	38041	36941	35784
40°	28922	30290	30888	30290	28922
45°	17785	21892	19783	21892	17785
50°	6980	12152	7754	12152	6980
55°	3654	5534	3654	5534	3654
60°	1582	2719	1741	2719	1582
65°	1471	1641	1578	1641	1471
70°	1407	1548	1496	1548	1407
75°	1379	1500	1497	1500	1379
80°	1339	1441	1432	1441	1339
85°	1241	1260	1241	1260	1241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 22112 cd/sqm

TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.5	5.0
10°-20°	745.9	14.6
20°-30°	1107.0	21.6
30°-40°	1149.8	22.4
40°-50°	691.9	13.5
50°-60°	165.7	3.2
60°-70°	44.9	0.9
70°-80°	25.2	0.5
80°-90°	9.3	0.2
90°-100°	25.5	0.5
100°-110°	74.1	1.4
110°-120°	120.9	2.4
120°-130°	153.3	3.0
130°-140°	164.1	3.2
140°-150°	153.2	3.0
150°-160°	126.1	2.5
160°-170°	84.6	1.7
170°-180°	30.0	0.6
0°-30°	2107.4	41.1
0°-40°	3257.3	63.5
0°-60°	4114.9	80.3
0°-90°	4194.3	81.8
90°-120°	220.5	4.3
90°-150°	691.1	13.5
90°-180°	932.0	18.2
0°-180°	5126.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2657	2657	2657	2657	2657	
5°	2665	2653	2675	2653	2665	254
15°	2616	2642	2670	2642	2616	735
25°	2358	2410	2476	2410	2358	1074
35°	1816	1874	1930	1874	1816	1106
45°	779	959	866	959	779	603
55°	130	197	130	197	130	127
65°	38	43	41	43	38	39
75°	22	24	24	24	22	23
85°	7	7	7	7	7	7
90°	7	6	1	9	15	3
95°	8	10	11	32	44	13
105°	77	57	47	85	105	71
115°	125	125	90	134	155	123
125°	197	192	134	167	188	176
135°	260	247	181	187	209	199
145°	299	289	232	199	214	187
155°	326	317	275	226	221	150
165°	340	331	304	265	255	96
175°	332	326	318	303	300	32
180°	319	319	319	319	319	

TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0
2.5°	2657.0	2661.1	2665.2	2659.0	2649.5	2648.9	2657.5	2664.6	2667.3	2670.1	2667.3
5°	2664.7	2669.4	2674.1	2665.9	2653.6	2652.1	2661.5	2669.3	2672.3	2675.2	2672.3
7.5°	2664.1	2669.3	2674.5	2667.6	2656.7	2656.8	2668.0	2676.4	2676.2	2676.0	2676.2
10°	2665.6	2669.5	2673.3	2666.6	2656.3	2657.8	2671.1	2680.4	2677.8	2675.2	2677.8
12.5°	2651.8	2657.7	2663.6	2659.4	2651.9	2656.5	2673.1	2684.6	2680.3	2676.0	2680.3
15°	2615.6	2624.2	2632.7	2635.2	2635.6	2647.8	2671.7	2687.5	2679.0	2670.4	2679.0
17.5°	2552.5	2562.6	2572.7	2582.5	2592.1	2613.2	2645.6	2667.2	2656.6	2646.0	2656.6
20°	2500.2	2511.3	2522.5	2535.8	2549.9	2575.6	2612.7	2638.1	2627.8	2617.5	2627.8
22.5°	2447.9	2456.0	2464.0	2477.3	2492.5	2520.5	2561.5	2589.5	2578.9	2568.3	2578.9
25°	2357.9	2364.3	2370.7	2382.9	2397.0	2423.9	2463.7	2491.6	2483.9	2476.2	2483.9
27.5°	2221.5	2232.5	2243.4	2258.4	2274.7	2300.2	2334.7	2360.0	2357.5	2355.0	2357.5
30°	2103.1	2121.9	2140.7	2159.2	2177.5	2203.0	2235.5	2259.3	2257.1	2255.0	2257.1
32.5°	1987.7	2007.2	2026.7	2046.6	2066.7	2089.0	2113.7	2133.0	2136.7	2140.4	2136.7
35°	1815.5	1825.0	1834.4	1849.2	1865.9	1882.5	1899.2	1913.7	1921.9	1930.0	1921.9
37.5°	1560.7	1572.0	1583.3	1601.1	1621.1	1637.2	1649.4	1659.1	1661.2	1663.2	1661.2
40°	1372.2	1385.9	1399.6	1413.9	1428.4	1445.8	1465.8	1479.2	1472.4	1465.5	1472.4
42.5°	1179.1	1190.8	1202.4	1220.8	1241.5	1260.7	1278.4	1287.5	1270.7	1254.0	1270.7
45°	778.9	841.3	903.7	933.7	953.0	964.5	968.4	959.6	913.0	866.4	913.0
47.5°	399.5	463.3	527.2	591.5	656.1	671.7	638.6	599.1	540.4	481.8	540.4
50°	277.9	299.7	321.5	390.7	475.8	491.8	438.8	389.0	348.9	308.7	348.9
52.5°	204.8	216.7	228.6	282.0	349.3	356.9	305.0	260.5	238.4	216.4	238.4
55°	129.8	134.9	140.1	164.8	196.0	197.2	168.6	145.2	137.5	129.8	137.5
57.5°	76.7	84.9	93.0	103.4	114.6	114.6	103.5	93.3	85.9	78.5	85.9
60°	49.0	55.5	61.9	72.1	83.7	84.7	75.3	66.7	60.3	53.9	60.3
62.5°	44.4	46.7	49.0	56.2	65.0	65.6	57.9	51.5	49.2	46.9	49.2
65°	38.5	39.7	41.0	42.0	42.8	43.1	42.6	42.2	41.8	41.3	41.8
67.5°	33.7	34.6	35.5	36.0	36.4	36.8	37.2	37.3	36.4	35.6	36.4
70°	29.8	31.1	32.4	32.7	32.7	32.9	33.3	33.4	32.6	31.7	32.6
72.5°	26.7	27.7	28.6	29.1	29.4	29.8	30.3	30.4	29.5	28.7	29.5
75°	22.1	22.5	23.0	23.4	23.8	24.3	24.7	24.9	24.5	24.0	24.5
77.5°	17.5	17.9	18.4	18.7	19.1	19.3	19.4	19.3	18.9	18.5	18.9
80°	14.4	14.9	15.3	15.4	15.4	15.6	16.0	16.2	15.8	15.4	15.8
82.5°	11.3	11.4	11.5	11.8	12.1	12.4	12.4	12.5	12.4	12.3	12.4
85°	6.7	6.7	6.7	6.7	6.7	6.9	7.4	7.6	7.2	6.7	7.2
87.5°	3.7	3.7	3.7	3.7	3.7	3.5	3.5	3.1	2.9	2.5	2.7
90°	6.7	6.7	6.7	6.7	6.7	5.8	5.8	3.8	2.9	1.0	1.9
92.5°	8.3	8.3	8.3	8.3	7.5	6.5	5.8	5.4	6.0	3.3	6.5
95°	7.7	7.7	7.7	7.7	8.7	11.5	15.4	16.4	11.5	10.6	14.4
97.5°	17.5	18.7	19.8	23.5	29.4	30.6	29.0	20.4	20.2	19.2	26.0
100°	33.7	35.6	37.5	40.4	47.1	37.5	29.8	28.9	27.9	26.9	33.7
102.5°	56.0	57.1	59.8	59.6	46.4	41.4	39.8	38.1	35.6	34.6	42.1
105°	76.9	72.1	63.5	55.8	56.7	56.7	56.7	51.9	48.1	47.1	54.8
107.5°	73.9	72.9	73.9	75.6	76.6	76.4	74.1	67.9	61.2	59.8	67.5
110°	88.5	87.5	88.5	89.4	90.4	89.4	85.6	77.9	71.2	68.3	76.0

TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	101.6	102.1	103.1	104.1	104.3	103.3	98.7	89.4	80.4	76.8	83.7
115°	125.0	125.0	125.0	126.0	126.0	124.1	117.3	106.8	95.2	90.4	95.2
117.5°	147.7	147.0	147.0	147.0	147.0	143.7	135.8	123.1	110.2	103.1	107.5
120°	161.6	161.6	161.6	161.6	161.6	156.8	148.1	134.7	120.2	111.6	114.5
122.5°	176.2	175.4	176.2	175.4	174.7	169.9	159.7	146.2	131.0	120.0	121.4
125°	197.2	197.2	195.2	195.2	194.3	189.5	177.9	163.5	147.2	133.7	132.7
127.5°	216.6	217.4	214.9	213.9	212.4	205.6	195.2	181.8	162.5	146.8	142.3
130°	228.9	228.9	227.9	227.0	223.1	216.4	206.8	193.3	174.1	156.8	150.0
132.5°	242.0	242.0	241.0	238.5	233.9	227.9	218.3	204.9	184.9	166.8	157.7
135°	259.7	258.7	256.8	254.9	250.1	243.3	234.7	221.2	201.0	180.8	170.2
137.5°	274.1	273.2	271.4	267.8	263.9	257.4	248.7	236.0	217.2	196.8	182.2
140°	281.8	280.8	279.9	277.0	273.2	267.4	258.7	245.3	227.9	206.8	191.4
142.5°	288.7	288.5	286.8	284.7	280.8	274.3	267.2	254.5	237.2	217.6	200.6
145°	299.1	299.1	298.2	296.2	292.4	285.7	279.9	268.3	251.0	231.8	214.5
147.5°	308.2	308.4	307.2	305.3	301.6	295.8	290.3	278.7	263.7	246.4	228.3
150°	313.5	314.5	312.6	310.7	307.8	302.0	297.2	285.7	272.2	254.9	237.6
152.5°	318.2	319.9	318.0	316.8	313.2	307.4	302.6	291.8	279.1	264.1	246.8
155°	326.0	327.0	325.1	324.1	319.3	314.5	310.7	300.1	288.5	275.1	260.6
157.5°	331.6	332.6	331.6	329.7	324.9	320.3	316.4	307.8	297.4	286.2	272.2
160°	334.7	335.7	334.7	332.8	328.0	324.1	320.3	311.6	302.0	292.4	279.9
162.5°	337.0	338.0	337.0	335.1	330.3	326.4	323.4	315.5	306.6	297.0	286.0
165°	339.5	340.5	339.5	336.6	332.8	328.9	326.0	319.3	311.6	303.9	296.2
167.5°	339.3	341.2	339.5	338.4	332.8	330.9	328.2	322.4	316.0	309.7	302.4
170°	338.6	340.5	339.5	337.6	332.8	330.9	328.9	323.2	318.4	313.5	307.8
172.5°	337.0	338.2	337.2	336.1	331.2	329.3	328.2	323.9	319.9	315.9	310.9
175°	331.8	333.7	332.8	331.8	327.0	326.0	327.0	323.2	320.3	318.4	315.5
177.5°	324.7	326.2	325.5	324.7	322.4	321.6	323.2	321.6	320.1	319.3	317.8
180°	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3

TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0
2.5°	2664.6	2657.5	2648.9	2649.5	2659.0	2665.2	2661.1	2657.0
5°	2669.3	2661.5	2652.1	2653.6	2665.9	2674.1	2669.4	2664.7
7.5°	2676.4	2668.0	2656.8	2656.7	2667.6	2674.5	2669.3	2664.1
10°	2680.4	2671.1	2657.8	2656.3	2666.6	2673.3	2669.5	2665.6
12.5°	2684.6	2673.1	2656.5	2651.9	2659.4	2663.6	2657.7	2651.8
15°	2687.5	2671.7	2647.8	2635.6	2635.2	2632.7	2624.2	2615.6
17.5°	2667.2	2645.6	2613.2	2592.1	2582.5	2572.7	2562.6	2552.5
20°	2638.1	2612.7	2575.6	2549.9	2535.8	2522.5	2511.3	2500.2
22.5°	2589.5	2561.5	2520.5	2492.5	2477.3	2464.0	2456.0	2447.9
25°	2491.6	2463.7	2423.9	2397.0	2382.9	2370.7	2364.3	2357.9
27.5°	2360.0	2334.7	2300.2	2274.7	2258.4	2243.4	2232.5	2221.5
30°	2259.3	2235.5	2203.0	2177.5	2159.2	2140.7	2121.9	2103.1
32.5°	2133.0	2113.7	2089.0	2066.7	2046.6	2026.7	2007.2	1987.7
35°	1913.7	1899.2	1882.5	1865.9	1849.2	1834.4	1825.0	1815.5
37.5°	1659.1	1649.4	1637.2	1621.1	1601.1	1583.3	1572.0	1560.7
40°	1479.2	1465.8	1445.8	1428.4	1413.9	1399.6	1385.9	1372.2
42.5°	1287.5	1278.4	1260.7	1241.5	1220.8	1202.4	1190.8	1179.1
45°	959.6	968.4	964.5	953.0	933.7	903.7	841.3	778.9
47.5°	599.1	638.6	671.7	656.1	591.5	527.2	463.3	399.5
50°	389.0	438.8	491.8	475.8	390.7	321.5	299.7	277.9
52.5°	260.5	305.0	356.9	349.3	282.0	228.6	216.7	204.8
55°	145.2	168.6	197.2	196.0	164.8	140.1	134.9	129.8
57.5°	93.3	103.5	114.6	114.6	103.4	93.0	84.9	76.7
60°	66.7	75.3	84.7	83.7	72.1	61.9	55.5	49.0
62.5°	51.5	57.9	65.6	65.0	56.2	49.0	46.7	44.4
65°	42.2	42.6	43.1	42.8	42.0	41.0	39.7	38.5
67.5°	37.3	37.2	36.8	36.4	36.0	35.5	34.6	33.7
70°	33.4	33.3	32.9	32.7	32.7	32.4	31.1	29.8
72.5°	30.4	30.3	29.8	29.4	29.1	28.6	27.7	26.7
75°	24.9	24.7	24.3	23.8	23.4	23.0	22.5	22.1
77.5°	19.3	19.4	19.3	19.1	18.7	18.4	17.9	17.5
80°	16.2	16.0	15.6	15.4	15.4	15.3	14.9	14.4
82.5°	12.5	12.4	12.4	12.1	11.8	11.5	11.4	11.3
85°	7.6	7.4	6.9	6.7	6.7	6.7	6.7	6.7
87.5°	3.1	3.5	3.8	4.2	4.8	5.0	5.2	5.4
90°	3.8	5.8	7.7	9.6	12.5	13.5	14.4	15.4
92.5°	8.5	11.9	15.4	18.1	21.7	24.2	24.4	25.4
95°	20.2	25.0	29.8	34.6	39.4	43.3	44.2	44.2
97.5°	32.1	39.6	46.0	51.7	57.3	60.6	62.7	64.6
100°	41.4	48.1	56.7	62.5	67.3	72.1	75.0	76.9
102.5°	50.6	57.3	66.0	73.3	80.4	83.7	87.3	88.5
105°	64.4	72.1	80.8	89.4	95.2	100.0	102.9	104.8
107.5°	77.3	86.9	95.2	103.3	109.3	115.0	118.7	119.8
110°	86.6	96.2	106.8	112.5	119.3	125.0	127.9	129.8

TEST NUMBER: P709331

CATALOG NUMBER: DL2W-WB-M-025U-100D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	95.0	105.4	116.0	123.3	130.0	135.8	138.7	140.6
115°	106.8	117.3	127.9	139.5	146.2	150.0	152.9	154.8
117.5°	117.3	128.9	139.5	149.8	157.5	160.6	162.5	163.7
120°	125.0	136.6	147.2	156.8	164.5	168.3	170.2	172.2
122.5°	131.2	142.7	153.3	162.9	170.6	175.2	177.9	179.1
125°	140.4	151.0	162.5	171.2	178.9	184.7	187.6	188.5
127.5°	147.7	158.7	170.2	179.3	187.0	191.6	194.5	196.2
130°	153.9	162.5	174.1	184.7	192.4	196.2	199.1	200.1
132.5°	160.0	167.2	177.9	188.5	196.2	200.8	203.7	204.7
135°	168.3	172.2	181.8	192.4	200.1	204.9	207.7	208.7
137.5°	178.7	180.0	185.4	195.4	203.3	208.1	210.8	211.8
140°	185.6	184.7	188.5	196.2	204.9	209.7	211.6	212.6
142.5°	191.8	190.1	191.6	197.7	204.9	209.7	212.4	212.6
145°	203.9	199.1	197.2	201.0	205.8	210.6	213.5	213.5
147.5°	215.6	209.7	205.2	206.0	208.5	212.0	213.7	213.9
150°	224.1	217.4	210.6	210.6	211.6	213.5	214.5	215.4
152.5°	233.3	225.1	217.6	216.0	215.4	215.8	217.6	217.0
155°	246.2	236.6	227.9	225.1	223.1	222.2	222.2	221.2
157.5°	258.9	250.1	239.7	235.6	232.6	230.8	229.7	228.7
160°	267.4	257.8	248.1	243.3	239.5	238.5	236.6	235.6
162.5°	275.8	265.5	256.6	251.0	247.2	246.2	245.1	243.3
165°	286.6	278.9	268.3	262.6	260.6	257.8	256.8	254.9
167.5°	296.6	290.3	281.8	276.2	272.6	270.6	269.7	267.8
170°	302.0	297.2	289.5	284.7	281.8	279.9	278.9	277.0
172.5°	306.6	302.6	296.4	292.4	290.3	289.1	287.4	286.2
175°	312.6	310.7	304.9	302.0	303.0	302.0	302.0	300.1
177.5°	317.0	316.2	313.2	311.6	313.9	313.2	313.2	310.9
180°	319.3	319.3	319.3	319.3	319.3	319.3	319.3	319.3

(END OF REPORT)