

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: P709332

Luminaire Tested: DL2W-WB-M-025U-100D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709332
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-935-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: 5329.9 lumens
Efficiency: N/A
Efficacy: 116.9 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

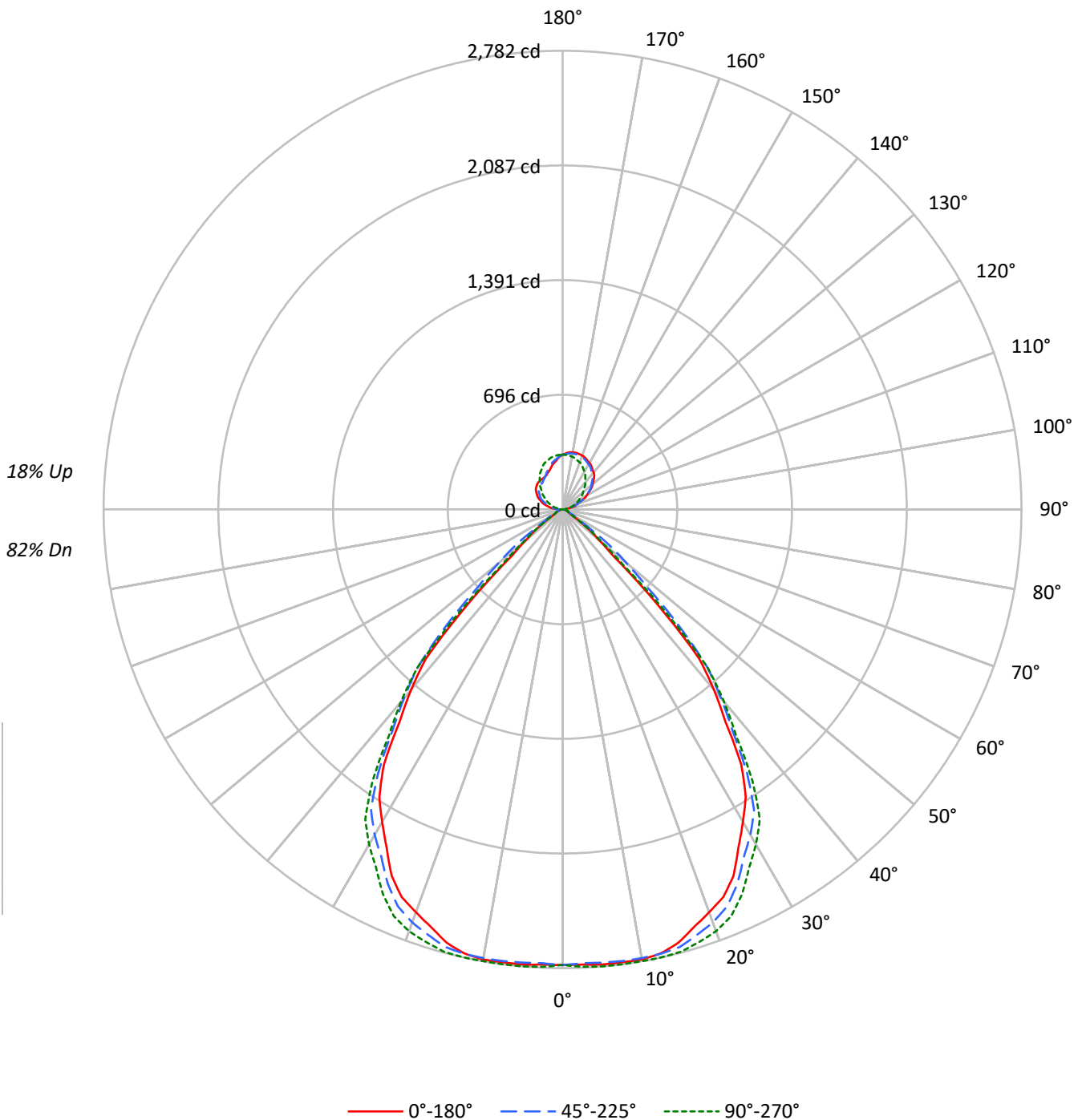
Input Watts (W): 45.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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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°	44603	44603	44603	44603	44603
5°	44903	44704	45081	44704	44903
10°	45439	45293	45602	45293	45439
15°	45458	45911	46410	45911	45458
20°	44665	45782	46761	45782	44665
25°	43675	44648	45865	44648	43675
30°	40766	42456	43712	42456	40766
35°	37207	38409	39551	38409	37207
40°	30070	31493	32115	31493	30070
45°	18493	22761	20569	22761	18493
50°	7257	12636	8061	12636	7257
55°	3800	5754	3800	5754	3800
60°	1647	2827	1808	2827	1647
65°	1528	1706	1643	1706	1528
70°	1463	1610	1558	1610	1463
75°	1435	1560	1560	1560	1435
80°	1395	1497	1488	1497	1395
85°	1297	1315	1297	1315	1297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 22989 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	5.0
10°-20°	775.5	14.6
20°-30°	1151.0	21.6
30°-40°	1195.5	22.4
40°-50°	719.4	13.5
50°-60°	172.3	3.2
60°-70°	46.7	0.9
70°-80°	26.2	0.5
80°-90°	9.6	0.2
90°-100°	26.5	0.5
100°-110°	77.1	1.4
110°-120°	125.7	2.4
120°-130°	159.4	3.0
130°-140°	170.6	3.2
140°-150°	159.3	3.0
150°-160°	131.1	2.5
160°-170°	88.0	1.7
170°-180°	31.2	0.6
0°-30°	2191.1	41.1
0°-40°	3386.6	63.5
0°-60°	4278.3	80.3
0°-90°	4361.0	81.8
90°-120°	229.2	4.3
90°-150°	718.6	13.5
90°-180°	969.0	18.2
0°-180°	5329.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2762	2762	2762	2762	2762	
5°	2770	2758	2782	2758	2770	264
15°	2720	2747	2776	2747	2720	764
25°	2452	2506	2574	2506	2452	1116
35°	1888	1949	2007	1949	1888	1150
45°	810	997	901	997	810	627
55°	135	204	135	204	135	132
65°	40	45	43	45	40	40
75°	23	25	25	25	23	24
85°	7	7	7	7	7	8
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	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5
2.5°	2762.5	2766.8	2771.0	2764.6	2754.7	2754.2	2763.0	2770.4	2773.3	2776.1	2773.3
5°	2770.5	2775.4	2780.3	2771.8	2759.0	2757.4	2767.2	2775.3	2778.4	2781.5	2778.4
7.5°	2769.9	2775.3	2780.7	2773.6	2762.2	2762.3	2774.0	2782.7	2782.5	2782.3	2782.5
10°	2771.5	2775.5	2779.5	2772.5	2761.8	2763.4	2777.2	2786.8	2784.2	2781.5	2784.2
12.5°	2757.1	2763.2	2769.4	2765.0	2757.2	2762.0	2779.3	2791.2	2786.7	2782.3	2786.7
15°	2719.5	2728.4	2737.3	2739.8	2740.3	2753.0	2777.8	2794.3	2785.4	2776.5	2785.4
17.5°	2653.9	2664.4	2674.9	2685.1	2695.1	2717.0	2750.6	2773.1	2762.1	2751.1	2762.1
20°	2599.5	2611.1	2622.6	2636.5	2651.2	2677.9	2716.5	2742.8	2732.2	2721.5	2732.2
22.5°	2545.1	2553.5	2561.9	2575.7	2591.5	2620.6	2663.2	2692.4	2681.3	2670.3	2681.3
25°	2451.6	2458.2	2464.9	2477.6	2492.2	2520.2	2561.5	2590.5	2582.5	2574.5	2582.5
27.5°	2309.8	2321.2	2332.5	2348.1	2365.1	2391.5	2427.4	2453.7	2451.1	2448.6	2451.1
30°	2186.6	2206.2	2225.7	2244.9	2264.0	2290.5	2324.3	2349.0	2346.8	2344.6	2346.8
32.5°	2066.6	2086.9	2107.2	2127.9	2148.8	2172.0	2197.6	2217.8	2221.6	2225.4	2221.6
35°	1887.7	1897.4	1907.2	1922.7	1940.0	1957.3	1974.6	1989.8	1998.2	2006.6	1998.2
37.5°	1622.7	1634.4	1646.2	1664.7	1685.5	1702.3	1715.0	1725.0	1727.2	1729.3	1727.2
40°	1426.7	1441.0	1455.2	1470.1	1485.2	1503.2	1524.1	1537.9	1530.8	1523.7	1530.8
42.5°	1226.0	1238.1	1250.2	1269.3	1290.8	1310.8	1329.2	1338.6	1321.2	1303.8	1321.2
45°	809.9	874.7	939.6	970.8	990.8	1002.8	1006.8	997.7	949.3	900.8	949.3
47.5°	415.3	481.7	548.1	615.0	682.1	698.4	663.9	622.8	561.9	500.9	561.9
50°	288.9	311.6	334.3	406.3	494.7	511.4	456.3	404.5	362.7	320.9	362.7
52.5°	213.0	225.3	237.7	293.2	363.2	371.1	317.1	270.8	247.9	225.0	247.9
55°	135.0	140.3	145.6	171.3	203.7	205.1	175.3	151.0	143.0	135.0	143.0
57.5°	79.8	88.2	96.7	107.5	119.2	119.2	107.6	97.0	89.3	81.6	89.3
60°	51.0	57.7	64.3	75.0	87.0	88.1	78.3	69.3	62.7	56.0	62.7
62.5°	46.2	48.6	51.0	58.5	67.6	68.2	60.2	53.6	51.2	48.8	51.2
65°	40.0	41.3	42.7	43.7	44.5	44.8	44.3	43.9	43.4	43.0	43.4
67.5°	35.0	36.0	36.9	37.5	37.8	38.2	38.7	38.8	37.9	37.0	37.9
70°	31.0	32.3	33.7	34.0	34.0	34.2	34.7	34.8	33.9	33.0	33.9
72.5°	27.8	28.8	29.8	30.3	30.6	31.0	31.5	31.6	30.7	29.8	30.7
75°	23.0	23.4	23.9	24.3	24.8	25.2	25.7	25.9	25.4	25.0	25.4
77.5°	18.2	18.6	19.1	19.5	19.8	20.0	20.1	20.1	19.6	19.2	19.6
80°	15.0	15.4	15.9	16.0	16.0	16.2	16.7	16.9	16.4	16.0	16.4
82.5°	11.8	11.9	12.0	12.3	12.6	12.8	12.9	13.0	12.9	12.8	12.9
85°	7.0	7.0	7.0	7.0	7.0	7.2	7.7	7.9	7.4	7.0	7.4
87.5°	3.8	3.8	3.8	3.8	3.8	3.6	3.6	3.2	3.0	2.6	2.8
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°	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5	2762.5
2.5°	2770.4	2763.0	2754.2	2754.7	2764.6	2771.0	2766.8	2762.5
5°	2775.3	2767.2	2757.4	2759.0	2771.8	2780.3	2775.4	2770.5
7.5°	2782.7	2774.0	2762.3	2762.2	2773.6	2780.7	2775.3	2769.9
10°	2786.8	2777.2	2763.4	2761.8	2772.5	2779.5	2775.5	2771.5
12.5°	2791.2	2779.3	2762.0	2757.2	2765.0	2769.4	2763.2	2757.1
15°	2794.3	2777.8	2753.0	2740.3	2739.8	2737.3	2728.4	2719.5
17.5°	2773.1	2750.6	2717.0	2695.1	2685.1	2674.9	2664.4	2653.9
20°	2742.8	2716.5	2677.9	2651.2	2636.5	2622.6	2611.1	2599.5
22.5°	2692.4	2663.2	2620.6	2591.5	2575.7	2561.9	2553.5	2545.1
25°	2590.5	2561.5	2520.2	2492.2	2477.6	2464.9	2458.2	2451.6
27.5°	2453.7	2427.4	2391.5	2365.1	2348.1	2332.5	2321.2	2309.8
30°	2349.0	2324.3	2290.5	2264.0	2244.9	2225.7	2206.2	2186.6
32.5°	2217.8	2197.6	2172.0	2148.8	2127.9	2107.2	2086.9	2066.6
35°	1989.8	1974.6	1957.3	1940.0	1922.7	1907.2	1897.4	1887.7
37.5°	1725.0	1715.0	1702.3	1685.5	1664.7	1646.2	1634.4	1622.7
40°	1537.9	1524.1	1503.2	1485.2	1470.1	1455.2	1441.0	1426.7
42.5°	1338.6	1329.2	1310.8	1290.8	1269.3	1250.2	1238.1	1226.0
45°	997.7	1006.8	1002.8	990.8	970.8	939.6	874.7	809.9
47.5°	622.8	663.9	698.4	682.1	615.0	548.1	481.7	415.3
50°	404.5	456.3	511.4	494.7	406.3	334.3	311.6	288.9
52.5°	270.8	317.1	371.1	363.2	293.2	237.7	225.3	213.0
55°	151.0	175.3	205.1	203.7	171.3	145.6	140.3	135.0
57.5°	97.0	107.6	119.2	119.2	107.5	96.7	88.2	79.8
60°	69.3	78.3	88.1	87.0	75.0	64.3	57.7	51.0
62.5°	53.6	60.2	68.2	67.6	58.5	51.0	48.6	46.2
65°	43.9	44.3	44.8	44.5	43.7	42.7	41.3	40.0
67.5°	38.8	38.7	38.2	37.8	37.5	36.9	36.0	35.0
70°	34.8	34.7	34.2	34.0	34.0	33.7	32.3	31.0
72.5°	31.6	31.5	31.0	30.6	30.3	29.8	28.8	27.8
75°	25.9	25.7	25.2	24.8	24.3	23.9	23.4	23.0
77.5°	20.1	20.1	20.0	19.8	19.5	19.1	18.6	18.2
80°	16.9	16.7	16.2	16.0	16.0	15.9	15.4	15.0
82.5°	13.0	12.9	12.8	12.6	12.3	12.0	11.9	11.8
85°	7.9	7.7	7.2	7.0	7.0	7.0	7.0	7.0
87.5°	3.2	3.6	4.0	4.4	5.0	5.2	5.4	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: P709332

CATALOG NUMBER: DL2W-WB-M-025U-100D-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)