

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P246019

Luminaire Tested: **LD8B15D010 ER8B159727 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B15D010 ER8B159727 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1064.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

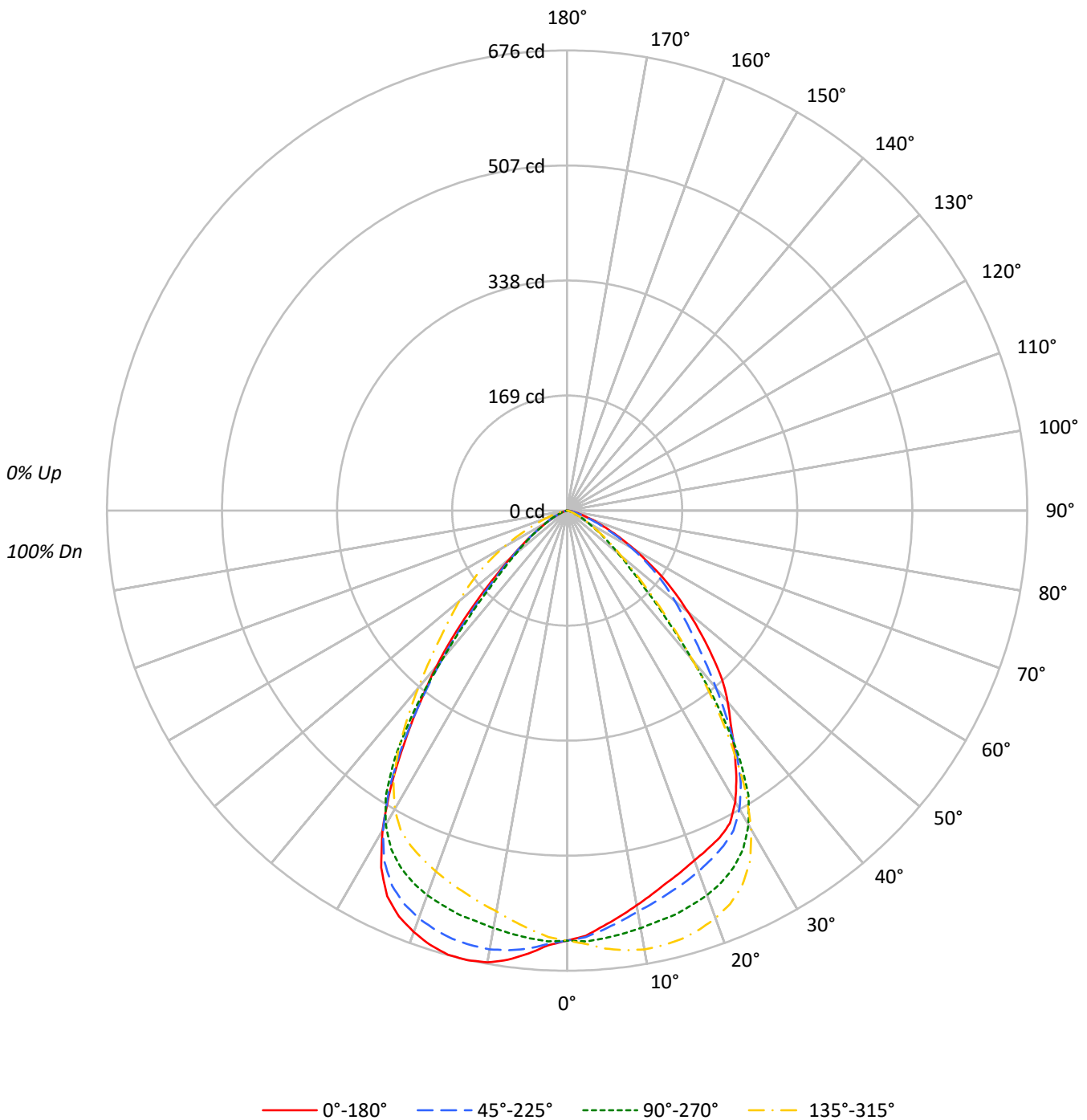
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	5.7
10°-20°	174.1	16.4
20°-30°	263.6	24.8
30°-40°	264.2	24.8
40°-50°	165.9	15.6
50°-60°	88.4	8.3
60°-70°	36.4	3.4
70°-80°	9.6	0.9
80°-90°	1.6	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	497.9	46.8
0°-40°	762.1	71.6
0°-60°	1016.4	95.5
0°-90°	1064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	632	632	632	632	632	
5°	612	631	653	631	612	58
15°	566	614	676	614	566	160
25°	530	579	625	579	530	243
35°	428	440	417	440	428	268
45°	301	161	186	161	301	232
55°	171	60	63	60	171	153
65°	68	18	17	18	68	71
75°	19	4	3	4	19	22
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	625.2	624.6	624.3	624.9	625.2	626.4	626.1	626.7	626.7	627.0	627.7
5°	612.5	612.2	612.5	612.5	613.8	615.0	614.7	615.6	616.2	617.8	618.4
7.5°	600.8	600.8	600.5	601.7	602.4	604.2	603.9	605.4	606.4	607.9	610.1
10°	588.8	588.8	589.1	590.0	590.3	593.1	593.1	595.3	596.5	598.0	600.8
12.5°	577.1	577.1	578.9	578.3	579.5	581.7	582.6	584.8	586.6	589.7	592.5
15°	566.0	566.0	566.6	568.1	569.1	571.8	573.4	575.8	578.0	581.1	585.1
17.5°	556.4	556.1	556.4	558.3	560.1	562.6	563.8	566.9	569.1	573.1	576.8
20°	546.8	547.5	547.5	549.0	550.2	553.3	554.6	558.0	560.4	564.1	568.4
22.5°	538.5	538.2	538.2	540.4	541.3	544.1	545.3	548.4	551.2	554.2	558.3
25°	530.2	529.6	530.8	531.1	531.7	534.8	535.7	537.9	540.7	543.5	547.5
27.5°	517.9	517.2	517.5	518.8	519.7	522.2	522.8	524.9	527.1	529.6	533.0
30°	494.1	493.5	493.2	495.3	496.3	498.1	499.0	502.7	503.4	506.1	508.6
32.5°	462.6	462.3	463.0	464.8	465.7	468.2	469.4	471.6	473.1	474.7	477.1
35°	427.5	426.9	427.5	429.3	429.3	431.5	432.4	433.3	433.0	433.3	432.7
37.5°	394.8	394.5	394.8	395.7	394.8	395.7	394.8	392.9	389.6	385.8	382.1
40°	367.0	367.3	365.5	366.7	363.3	362.7	359.3	354.7	347.9	340.5	330.0
42.5°	337.4	336.5	335.3	335.9	333.1	330.9	325.4	319.5	310.9	298.6	285.9
45°	301.0	300.7	300.1	299.8	297.9	295.8	291.2	284.4	274.8	262.2	247.0
47.5°	265.6	264.6	264.6	264.9	262.8	262.5	258.8	252.9	244.6	232.2	216.5
50°	231.6	231.3	231.9	233.2	231.6	231.0	228.6	224.5	217.1	206.7	191.8
52.5°	201.1	200.8	201.4	202.9	202.3	202.9	200.5	197.4	192.5	182.3	169.3
55°	171.2	171.2	171.2	173.0	173.0	173.0	171.8	170.0	165.3	157.9	145.9
57.5°	140.0	140.3	142.2	142.5	142.2	142.8	142.5	140.6	137.6	132.3	123.1
60°	113.8	113.8	114.7	115.7	115.3	115.7	115.7	114.7	111.7	107.3	99.9
62.5°	90.1	91.0	90.4	91.0	92.2	91.0	90.4	89.8	87.6	84.8	78.6
65°	68.2	68.8	68.8	69.1	68.5	68.8	67.6	66.6	65.4	62.3	58.3
67.5°	51.8	51.8	51.8	51.8	51.5	51.2	50.9	50.0	47.8	46.6	42.2
70°	39.8	37.9	37.9	37.9	37.9	38.3	37.3	36.1	35.5	33.3	30.2
72.5°	26.5	27.1	26.5	26.5	25.9	26.2	25.0	24.4	23.8	22.5	20.7
75°	19.1	17.6	18.2	18.5	17.6	18.2	17.0	15.7	15.7	14.8	13.9
77.5°	12.3	12.0	12.3	12.6	12.3	12.0	11.4	10.8	10.8	10.5	9.6
80°	9.0	8.6	8.6	8.6	8.3	8.6	8.0	8.0	7.4	7.1	6.5
82.5°	5.9	5.9	5.5	5.9	5.5	5.9	4.9	4.9	4.9	4.6	4.0
85°	4.0	3.4	3.4	3.7	3.1	3.7	3.4	3.1	2.8	2.8	2.5
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	628.6	628.9	628.9	630.1	630.7	631.0	631.0	633.5	632.6	633.2	633.8
5°	619.6	621.5	622.1	622.1	625.5	626.7	628.0	630.7	631.0	632.9	635.1
7.5°	611.0	613.2	614.4	617.2	619.3	621.5	625.2	627.0	628.9	631.4	634.1
10°	602.7	605.1	607.6	609.8	613.2	615.9	618.4	622.7	624.9	628.3	632.0
12.5°	594.7	598.0	600.2	603.9	607.6	610.1	613.8	617.8	621.2	624.6	628.9
15°	587.6	591.6	594.0	598.0	602.1	605.4	609.5	614.4	616.9	620.9	624.9
17.5°	579.8	584.2	587.3	590.9	595.9	599.6	603.0	607.9	611.0	615.3	619.9
20°	571.8	576.1	579.8	583.5	588.5	592.2	596.2	601.1	604.5	608.8	612.5
22.5°	562.3	566.3	570.3	574.6	579.5	582.6	587.3	591.6	595.3	599.3	603.0
25°	549.9	554.9	558.0	562.0	566.0	569.4	574.3	578.6	581.7	585.4	588.8
27.5°	535.4	539.1	541.6	545.0	549.0	552.1	555.8	560.1	563.2	566.6	569.1
30°	510.8	514.2	516.3	518.8	522.8	525.6	528.7	532.7	534.8	537.3	539.4
32.5°	478.4	481.1	482.4	484.2	487.0	489.8	492.3	495.6	496.6	498.1	498.1
35°	431.5	432.1	431.8	432.4	433.7	435.2	437.4	439.5	440.7	440.7	439.8
37.5°	376.6	372.9	368.9	365.8	364.9	364.3	365.5	366.4	367.7	368.3	366.7
40°	319.5	311.2	302.3	294.2	288.7	286.2	285.3	285.9	285.9	288.1	288.1
42.5°	270.5	257.5	244.3	232.2	224.2	218.1	215.3	215.3	215.6	217.1	218.1
45°	229.8	213.4	198.0	184.8	173.6	165.6	161.9	161.0	160.7	161.3	163.5
47.5°	198.6	181.7	165.6	149.3	137.6	129.5	126.2	124.9	123.7	124.9	125.2
50°	174.3	156.7	139.7	123.4	111.0	103.9	99.6	97.8	97.5	97.5	98.1
52.5°	152.1	135.7	118.8	102.1	89.1	82.4	78.3	77.4	76.2	77.4	77.4
55°	131.1	114.7	98.1	82.4	71.6	64.5	60.8	59.5	58.9	59.8	59.8
57.5°	108.3	94.4	79.0	64.8	54.0	49.0	46.3	44.7	44.4	45.0	44.4
60°	88.8	77.1	63.8	50.9	42.6	37.3	35.2	34.5	33.9	34.5	34.5
62.5°	70.3	60.5	49.7	39.8	32.7	29.0	26.5	26.5	26.2	26.2	26.5
65°	52.1	44.4	36.7	28.4	22.8	20.0	18.2	18.2	17.9	18.2	17.9
67.5°	37.9	32.7	26.5	20.7	16.4	14.8	13.6	12.6	13.3	12.6	12.3
70°	27.8	23.4	19.1	15.7	12.6	11.1	10.2	9.9	9.3	9.3	9.3
72.5°	18.5	15.7	12.9	10.2	8.3	6.8	6.5	5.9	5.2	5.5	6.2
75°	12.3	10.5	9.3	7.4	5.5	5.5	3.7	3.7	3.1	3.7	2.8
77.5°	8.6	7.1	5.5	4.6	3.7	3.4	2.5	2.5	2.2	2.2	2.2
80°	6.2	5.2	4.0	3.4	2.5	2.5	2.2	1.9	1.5	1.5	1.9
82.5°	3.7	2.8	2.8	2.5	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.2	1.9	1.5	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.2	0.6	0.6	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	635.4	635.1	635.7	635.7	637.5	637.2	638.1	638.1	637.5	637.8	639.1
5°	637.5	638.5	640.3	641.8	644.6	645.9	647.4	648.9	649.2	650.2	651.1
7.5°	637.5	640.6	642.8	645.5	649.2	651.4	654.8	657.6	658.8	660.3	662.2
10°	636.3	639.4	643.4	646.5	651.1	654.5	657.9	662.2	664.0	666.5	669.0
12.5°	633.8	637.2	641.5	645.5	650.8	653.9	658.2	662.2	665.0	668.4	671.1
15°	630.1	634.1	638.1	642.1	647.7	651.4	655.4	660.0	662.8	666.5	669.0
17.5°	624.3	628.6	632.3	636.0	641.2	645.5	649.2	653.6	656.3	659.4	662.8
20°	617.2	621.2	625.2	628.3	633.5	637.2	641.2	645.2	647.4	648.0	653.3
22.5°	608.2	611.0	614.1	619.0	622.1	625.5	629.2	632.9	635.1	638.5	640.3
25°	593.4	596.2	599.6	601.7	605.4	608.2	611.9	615.9	617.2	619.6	621.5
27.5°	572.8	574.3	575.8	577.7	579.8	581.4	583.5	585.4	586.6	587.9	589.1
30°	540.1	540.1	540.1	538.8	539.7	540.7	541.0	540.7	540.7	540.4	540.4
32.5°	496.9	494.4	491.6	489.2	488.2	487.0	486.4	485.5	483.9	483.0	483.3
35°	438.6	433.0	429.6	426.6	424.1	422.2	421.3	420.4	420.1	418.9	417.6
37.5°	365.8	361.8	359.3	357.5	355.3	353.5	353.8	354.1	355.0	354.4	354.7
40°	288.7	287.8	288.7	286.5	285.9	286.5	288.1	290.2	291.5	292.7	294.9
42.5°	219.6	221.1	223.3	223.3	224.2	225.5	227.3	230.7	232.6	234.7	237.2
45°	165.3	167.2	170.0	170.9	171.5	173.0	175.2	178.0	179.2	181.0	183.2
47.5°	127.4	128.6	130.2	131.7	133.2	133.9	136.0	136.0	137.6	138.8	139.4
50°	99.3	100.5	101.8	102.7	103.3	104.3	104.9	105.8	106.1	106.7	107.0
52.5°	77.7	79.3	79.3	79.9	80.8	81.7	81.4	81.7	82.0	82.0	83.0
55°	60.8	60.8	61.7	61.7	62.3	62.0	62.3	62.3	62.3	62.3	62.6
57.5°	45.3	45.7	46.6	46.0	45.7	46.3	45.7	46.3	46.0	46.6	45.7
60°	34.8	34.8	35.2	35.2	35.5	35.5	35.5	35.2	35.2	34.8	34.8
62.5°	26.2	26.5	26.8	26.5	26.5	26.5	26.2	26.2	25.9	25.6	25.6
65°	17.6	17.3	17.9	17.3	17.6	17.6	17.3	17.6	16.7	17.0	16.7
67.5°	12.6	12.3	12.0	12.3	12.0	11.7	11.7	12.0	12.3	11.4	11.4
70°	8.3	8.6	8.3	8.6	9.0	9.0	8.6	8.3	8.6	8.0	8.3
72.5°	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	4.9	4.9	4.6
75°	2.5	3.4	2.8	2.5	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.5	1.9	1.5
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.5	1.2	1.2	0.9	1.5
82.5°	0.6	0.6	0.6	0.0	0.3	0.6	0.6	0.3	0.6	0.6	0.3
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	638.8	638.5	638.8	639.1	638.8	638.5	638.8	639.1	637.8	637.5	638.1
5°	652.3	652.3	652.9	653.3	652.9	652.3	652.3	651.1	650.2	649.2	648.9
7.5°	664.0	664.7	665.3	665.6	665.3	664.7	664.0	662.2	660.3	658.8	657.6
10°	671.1	672.1	673.3	673.9	673.3	672.1	671.1	669.0	666.5	664.0	662.2
12.5°	674.2	675.2	676.7	676.4	676.7	675.2	674.2	671.1	668.4	665.0	662.2
15°	672.1	673.3	674.8	675.5	674.8	673.3	672.1	669.0	666.5	662.8	660.0
17.5°	665.3	667.1	668.1	669.0	668.1	667.1	665.3	662.8	659.4	656.3	653.6
20°	656.0	657.3	658.5	658.8	658.5	657.3	656.0	653.3	648.0	647.4	645.2
22.5°	642.8	643.7	646.5	645.5	646.5	643.7	642.8	640.3	638.5	635.1	632.9
25°	623.6	624.6	624.9	625.2	624.9	624.6	623.6	621.5	619.6	617.2	615.9
27.5°	590.6	590.6	591.3	591.6	591.3	590.6	590.6	589.1	587.9	586.6	585.4
30°	540.7	540.7	540.7	542.2	540.7	540.7	540.7	540.4	540.4	540.7	540.7
32.5°	483.0	482.4	481.8	482.4	481.8	482.4	483.0	483.3	483.0	483.9	485.5
35°	417.6	417.3	418.2	417.0	418.2	417.3	417.6	417.6	418.9	420.1	420.4
37.5°	355.0	354.4	355.6	354.4	355.6	354.4	355.0	354.7	354.4	355.0	354.1
40°	295.5	296.1	296.1	298.6	296.1	296.1	295.5	294.9	292.7	291.5	290.2
42.5°	238.4	240.3	239.6	241.5	239.6	240.3	238.4	237.2	234.7	232.6	230.7
45°	184.4	185.7	185.7	186.3	185.7	185.7	184.4	183.2	181.0	179.2	178.0
47.5°	141.6	141.6	141.6	141.9	141.6	141.6	141.6	139.4	138.8	137.6	136.0
50°	107.6	107.9	108.3	108.6	108.3	107.9	107.6	107.0	106.7	106.1	105.8
52.5°	82.7	83.0	82.4	83.0	82.4	83.0	82.7	83.0	82.0	82.0	81.7
55°	62.6	62.3	62.6	62.9	62.6	62.3	62.6	62.6	62.3	62.3	62.3
57.5°	46.0	45.3	45.3	45.3	45.3	45.3	46.0	45.7	46.6	46.0	46.3
60°	34.2	34.5	34.5	34.8	34.5	34.5	34.2	34.8	34.8	35.2	35.2
62.5°	25.3	26.2	25.6	26.2	25.6	26.2	25.3	25.6	25.6	25.9	26.2
65°	16.4	16.4	16.4	16.7	16.4	16.4	16.4	16.7	17.0	16.7	17.6
67.5°	11.1	11.4	12.0	11.7	12.0	11.4	11.1	11.4	11.4	12.3	12.0
70°	9.0	8.0	8.0	9.0	8.0	8.0	9.0	8.3	8.0	8.6	8.3
72.5°	5.2	4.6	5.2	5.2	5.2	4.6	5.2	4.6	4.9	4.9	5.5
75°	2.8	2.5	2.2	3.1	2.2	2.5	2.8	2.8	2.8	2.8	3.1
77.5°	1.9	1.5	2.2	2.2	2.2	1.5	1.9	1.5	1.9	1.5	1.9
80°	0.9	1.2	0.9	1.5	0.9	1.2	0.9	1.5	0.9	1.2	1.2
82.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.3
85°	0.0	0.6	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	638.1	637.2	637.5	635.7	635.7	635.1	635.4	633.8	633.2	632.6	633.5
5°	647.4	645.9	644.6	641.8	640.3	638.5	637.5	635.1	632.9	631.0	630.7
7.5°	654.8	651.4	649.2	645.5	642.8	640.6	637.5	634.1	631.4	628.9	627.0
10°	657.9	654.5	651.1	646.5	643.4	639.4	636.3	632.0	628.3	624.9	622.7
12.5°	658.2	653.9	650.8	645.5	641.5	637.2	633.8	628.9	624.6	621.2	617.8
15°	655.4	651.4	647.7	642.1	638.1	634.1	630.1	624.9	620.9	616.9	614.4
17.5°	649.2	645.5	641.2	636.0	632.3	628.6	624.3	619.9	615.3	611.0	607.9
20°	641.2	637.2	633.5	628.3	625.2	621.2	617.2	612.5	608.8	604.5	601.1
22.5°	629.2	625.5	622.1	619.0	614.1	611.0	608.2	603.0	599.3	595.3	591.6
25°	611.9	608.2	605.4	601.7	599.6	596.2	593.4	588.8	585.4	581.7	578.6
27.5°	583.5	581.4	579.8	577.7	575.8	574.3	572.8	569.1	566.6	563.2	560.1
30°	541.0	540.7	539.7	538.8	540.1	540.1	540.1	539.4	537.3	534.8	532.7
32.5°	486.4	487.0	488.2	489.2	491.6	494.4	496.9	498.1	498.1	496.6	495.6
35°	421.3	422.2	424.1	426.6	429.6	433.0	438.6	439.8	440.7	440.7	439.5
37.5°	353.8	353.5	355.3	357.5	359.3	361.8	365.8	366.7	368.3	367.7	366.4
40°	288.1	286.5	285.9	286.5	288.7	287.8	288.7	288.1	288.1	285.9	285.9
42.5°	227.3	225.5	224.2	223.3	223.3	221.1	219.6	218.1	217.1	215.6	215.3
45°	175.2	173.0	171.5	170.9	170.0	167.2	165.3	163.5	161.3	160.7	161.0
47.5°	136.0	133.9	133.2	131.7	130.2	128.6	127.4	125.2	124.9	123.7	124.9
50°	104.9	104.3	103.3	102.7	101.8	100.5	99.3	98.1	97.5	97.5	97.8
52.5°	81.4	81.7	80.8	79.9	79.3	79.3	77.7	77.4	77.4	76.2	77.4
55°	62.3	62.0	62.3	61.7	61.7	60.8	60.8	59.8	59.8	58.9	59.5
57.5°	45.7	46.3	45.7	46.0	46.6	45.7	45.3	44.4	45.0	44.4	44.7
60°	35.5	35.5	35.5	35.2	35.2	34.8	34.8	34.5	34.5	33.9	34.5
62.5°	26.2	26.5	26.5	26.5	26.8	26.5	26.2	26.5	26.2	26.2	26.5
65°	17.3	17.6	17.6	17.3	17.9	17.3	17.6	17.9	18.2	17.9	18.2
67.5°	11.7	11.7	12.0	12.3	12.0	12.3	12.6	12.3	12.6	13.3	12.6
70°	8.6	9.0	9.0	8.6	8.3	8.6	8.3	9.3	9.3	9.3	9.9
72.5°	5.5	5.5	5.2	5.2	5.2	5.2	5.2	6.2	5.5	5.2	5.9
75°	3.1	3.4	3.4	2.5	2.8	3.4	2.5	2.8	3.7	3.1	3.7
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.2	2.2	2.2	2.5
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.9	1.5	1.5	1.9
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	631.0	631.0	630.7	630.1	628.9	628.9	628.6	627.7	627.0	626.7	626.7
5°	628.0	626.7	625.5	622.1	622.1	621.5	619.6	618.4	617.8	616.2	615.6
7.5°	625.2	621.5	619.3	617.2	614.4	613.2	611.0	610.1	607.9	606.4	605.4
10°	618.4	615.9	613.2	609.8	607.6	605.1	602.7	600.8	598.0	596.5	595.3
12.5°	613.8	610.1	607.6	603.9	600.2	598.0	594.7	592.5	589.7	586.6	584.8
15°	609.5	605.4	602.1	598.0	594.0	591.6	587.6	585.1	581.1	578.0	575.8
17.5°	603.0	599.6	595.9	590.9	587.3	584.2	579.8	576.8	573.1	569.1	566.9
20°	596.2	592.2	588.5	583.5	579.8	576.1	571.8	568.4	564.1	560.4	558.0
22.5°	587.3	582.6	579.5	574.6	570.3	566.3	562.3	558.3	554.2	551.2	548.4
25°	574.3	569.4	566.0	562.0	558.0	554.9	549.9	547.5	543.5	540.7	537.9
27.5°	555.8	552.1	549.0	545.0	541.6	539.1	535.4	533.0	529.6	527.1	524.9
30°	528.7	525.6	522.8	518.8	516.3	514.2	510.8	508.6	506.1	503.4	502.7
32.5°	492.3	489.8	487.0	484.2	482.4	481.1	478.4	477.1	474.7	473.1	471.6
35°	437.4	435.2	433.7	432.4	431.8	432.1	431.5	432.7	433.3	433.0	433.3
37.5°	365.5	364.3	364.9	365.8	368.9	372.9	376.6	382.1	385.8	389.6	392.9
40°	285.3	286.2	288.7	294.2	302.3	311.2	319.5	330.0	340.5	347.9	354.7
42.5°	215.3	218.1	224.2	232.2	244.3	257.5	270.5	285.9	298.6	310.9	319.5
45°	161.9	165.6	173.6	184.8	198.0	213.4	229.8	247.0	262.2	274.8	284.4
47.5°	126.2	129.5	137.6	149.3	165.6	181.7	198.6	216.5	232.2	244.6	252.9
50°	99.6	103.9	111.0	123.4	139.7	156.7	174.3	191.8	206.7	217.1	224.5
52.5°	78.3	82.4	89.1	102.1	118.8	135.7	152.1	169.3	182.3	192.5	197.4
55°	60.8	64.5	71.6	82.4	98.1	114.7	131.1	145.9	157.9	165.3	170.0
57.5°	46.3	49.0	54.0	64.8	79.0	94.4	108.3	123.1	132.3	137.6	140.6
60°	35.2	37.3	42.6	50.9	63.8	77.1	88.8	99.9	107.3	111.7	114.7
62.5°	26.5	29.0	32.7	39.8	49.7	60.5	70.3	78.6	84.8	87.6	89.8
65°	18.2	20.0	22.8	28.4	36.7	44.4	52.1	58.3	62.3	65.4	66.6
67.5°	13.6	14.8	16.4	20.7	26.5	32.7	37.9	42.2	46.6	47.8	50.0
70°	10.2	11.1	12.6	15.7	19.1	23.4	27.8	30.2	33.3	35.5	36.1
72.5°	6.5	6.8	8.3	10.2	12.9	15.7	18.5	20.7	22.5	23.8	24.4
75°	3.7	5.5	5.5	7.4	9.3	10.5	12.3	13.9	14.8	15.7	15.7
77.5°	2.5	3.4	3.7	4.6	5.5	7.1	8.6	9.6	10.5	10.8	10.8
80°	2.2	2.5	2.5	3.4	4.0	5.2	6.2	6.5	7.1	7.4	8.0
82.5°	0.9	1.2	1.5	2.5	2.8	2.8	3.7	4.0	4.6	4.9	4.9
85°	0.3	0.6	0.6	0.9	1.5	1.9	2.2	2.5	2.8	2.8	3.1
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246019

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	626.1	626.4	625.2	624.9	624.3	624.6	625.2
5°	614.7	615.0	613.8	612.5	612.5	612.2	612.5
7.5°	603.9	604.2	602.4	601.7	600.5	600.8	600.8
10°	593.1	593.1	590.3	590.0	589.1	588.8	588.8
12.5°	582.6	581.7	579.5	578.3	578.9	577.1	577.1
15°	573.4	571.8	569.1	568.1	566.6	566.0	566.0
17.5°	563.8	562.6	560.1	558.3	556.4	556.1	556.4
20°	554.6	553.3	550.2	549.0	547.5	547.5	546.8
22.5°	545.3	544.1	541.3	540.4	538.2	538.2	538.5
25°	535.7	534.8	531.7	531.1	530.8	529.6	530.2
27.5°	522.8	522.2	519.7	518.8	517.5	517.2	517.9
30°	499.0	498.1	496.3	495.3	493.2	493.5	494.1
32.5°	469.4	468.2	465.7	464.8	463.0	462.3	462.6
35°	432.4	431.5	429.3	429.3	427.5	426.9	427.5
37.5°	394.8	395.7	394.8	395.7	394.8	394.5	394.8
40°	359.3	362.7	363.3	366.7	365.5	367.3	367.0
42.5°	325.4	330.9	333.1	335.9	335.3	336.5	337.4
45°	291.2	295.8	297.9	299.8	300.1	300.7	301.0
47.5°	258.8	262.5	262.8	264.9	264.6	264.6	265.6
50°	228.6	231.0	231.6	233.2	231.9	231.3	231.6
52.5°	200.5	202.9	202.3	202.9	201.4	200.8	201.1
55°	171.8	173.0	173.0	173.0	171.2	171.2	171.2
57.5°	142.5	142.8	142.2	142.5	142.2	140.3	140.0
60°	115.7	115.7	115.3	115.7	114.7	113.8	113.8
62.5°	90.4	91.0	92.2	91.0	90.4	91.0	90.1
65°	67.6	68.8	68.5	69.1	68.8	68.8	68.2
67.5°	50.9	51.2	51.5	51.8	51.8	51.8	51.8
70°	37.3	38.3	37.9	37.9	37.9	37.9	39.8
72.5°	25.0	26.2	25.9	26.5	26.5	27.1	26.5
75°	17.0	18.2	17.6	18.5	18.2	17.6	19.1
77.5°	11.4	12.0	12.3	12.6	12.3	12.0	12.3
80°	8.0	8.6	8.3	8.6	8.6	8.6	9.0
82.5°	4.9	5.9	5.5	5.9	5.5	5.9	5.9
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.0
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)