

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: P245016

Luminaire Tested: **LD8B10D010 ER8B10930 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245016
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: LD8B10D010 ER8B10930 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 932.7 lumens
Efficiency: N/A
Efficacy: 91.4 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

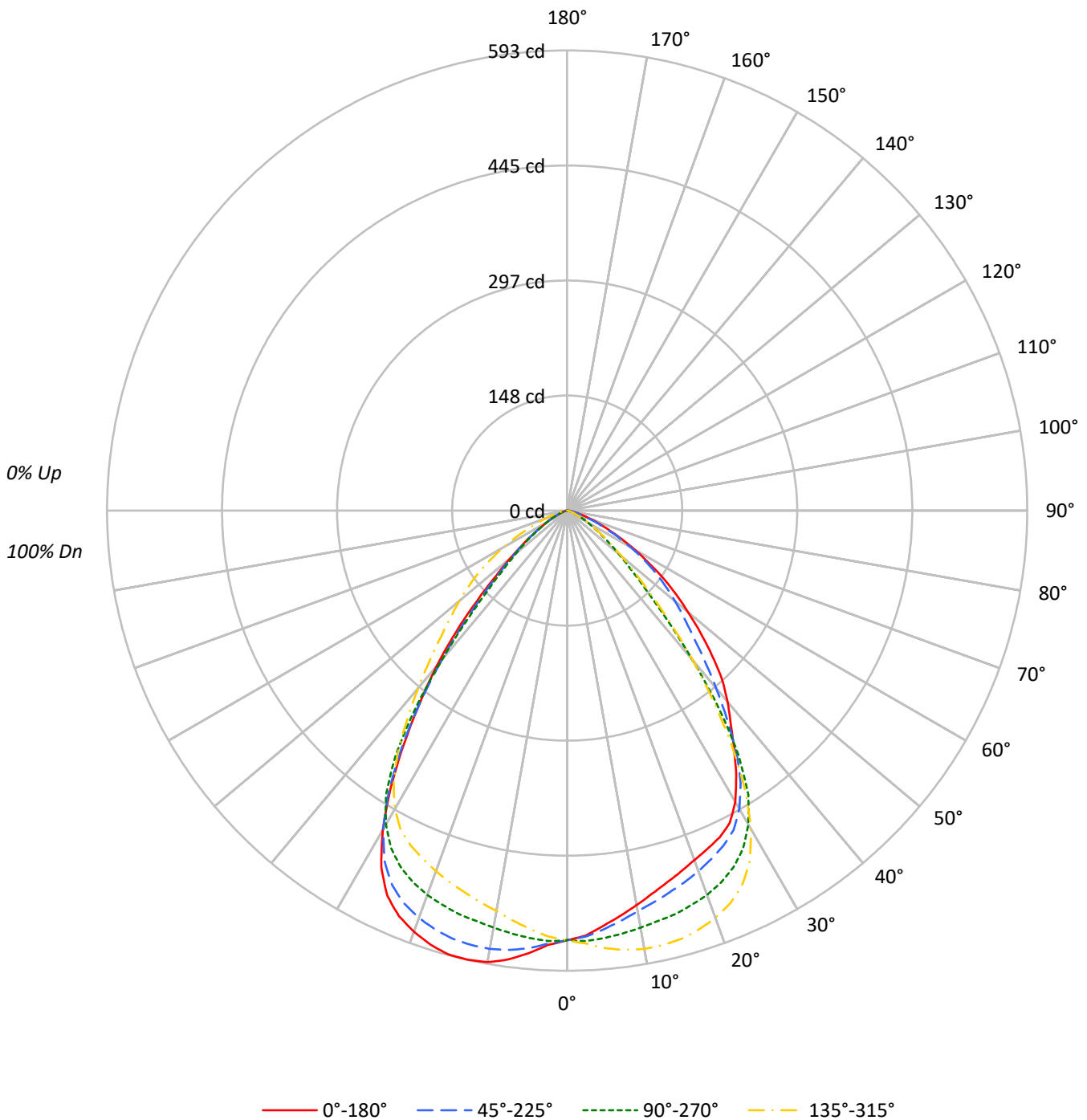
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	5.7
10°-20°	152.6	16.4
20°-30°	231.1	24.8
30°-40°	231.6	24.8
40°-50°	145.4	15.6
50°-60°	77.5	8.3
60°-70°	31.9	3.4
70°-80°	8.4	0.9
80°-90°	1.4	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°	436.4	46.8
0°-40°	668.0	71.6
0°-60°	891.0	95.5
0°-90°	932.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	554	554	554	554	554	
5°	537	553	573	553	537	51
15°	496	538	592	538	496	140
25°	465	507	548	507	465	213
35°	375	385	366	385	375	235
45°	264	141	163	141	264	203
55°	150	52	55	52	150	134
65°	60	16	15	16	60	62
75°	17	3	3	3	17	19
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



TEST NUMBER: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	548.1	547.5	547.2	547.7	548.1	549.1	548.8	549.4	549.4	549.6	550.2
5°	537.0	536.6	537.0	537.0	538.0	539.1	538.9	539.6	540.2	541.6	542.1
7.5°	526.6	526.6	526.4	527.4	528.0	529.7	529.3	530.7	531.6	532.9	534.7
10°	516.1	516.1	516.3	517.2	517.5	519.9	519.9	521.8	522.8	524.2	526.6
12.5°	505.8	505.8	507.5	506.9	508.0	509.9	510.7	512.6	514.2	516.9	519.4
15°	496.2	496.2	496.6	497.9	498.8	501.2	502.5	504.8	506.7	509.4	512.9
17.5°	487.7	487.4	487.7	489.3	491.0	493.1	494.2	496.9	498.8	502.3	505.6
20°	479.3	479.9	479.9	481.2	482.4	485.1	486.1	489.1	491.2	494.5	498.3
22.5°	472.1	471.8	471.8	473.6	474.5	476.9	478.0	480.7	483.2	485.8	489.3
25°	464.8	464.2	465.3	465.6	466.1	468.8	469.6	471.5	474.0	476.4	479.9
27.5°	453.9	453.4	453.7	454.8	455.6	457.7	458.3	460.2	462.1	464.2	467.2
30°	433.2	432.6	432.3	434.2	435.1	436.6	437.4	440.7	441.2	443.7	445.8
32.5°	405.6	405.2	405.8	407.5	408.3	410.4	411.5	413.4	414.8	416.1	418.2
35°	374.8	374.2	374.8	376.3	376.3	378.2	379.0	379.9	379.6	379.9	379.3
37.5°	346.1	345.8	346.1	346.8	346.1	346.8	346.1	344.5	341.5	338.2	335.0
40°	321.7	322.0	320.4	321.5	318.5	317.9	315.0	311.0	305.0	298.5	289.3
42.5°	295.8	294.9	293.9	294.4	292.0	290.1	285.2	280.1	272.5	261.8	250.7
45°	263.9	263.7	263.1	262.8	261.2	259.3	255.3	249.3	240.9	229.8	216.6
47.5°	232.8	231.9	231.9	232.3	230.4	230.0	226.8	221.7	214.4	203.6	189.8
50°	203.0	202.8	203.3	204.4	203.0	202.5	200.3	196.8	190.3	181.2	168.2
52.5°	176.2	176.0	176.6	177.9	177.3	177.9	175.8	173.1	168.7	159.7	148.4
55°	150.1	150.1	150.1	151.7	151.7	151.7	150.6	149.0	144.9	138.4	127.9
57.5°	122.7	123.0	124.7	124.9	124.7	125.2	124.9	123.3	120.6	116.0	107.8
60°	99.8	99.8	100.6	101.3	101.1	101.3	101.3	100.6	97.9	94.1	87.6
62.5°	78.9	79.7	79.3	79.7	80.8	79.7	79.3	78.7	76.8	74.3	68.9
65°	59.7	60.3	60.3	60.5	60.0	60.3	59.2	58.4	57.3	54.6	51.1
67.5°	45.4	45.4	45.4	45.4	45.2	44.8	44.6	43.8	41.9	40.8	37.0
70°	34.9	33.3	33.3	33.3	33.3	33.5	32.7	31.6	31.1	29.1	26.5
72.5°	23.2	23.8	23.2	23.2	22.8	23.0	21.9	21.4	20.9	19.7	18.2
75°	16.8	15.4	15.9	16.3	15.4	15.9	14.9	13.8	13.8	13.0	12.2
77.5°	10.8	10.5	10.8	11.1	10.8	10.5	10.0	9.4	9.4	9.2	8.4
80°	7.8	7.6	7.6	7.6	7.3	7.6	7.1	7.1	6.5	6.2	5.7
82.5°	5.2	5.2	4.8	5.2	4.8	5.2	4.4	4.4	4.4	4.0	3.5
85°	3.5	3.0	3.0	3.3	2.7	3.3	3.0	2.7	2.5	2.5	2.1
87.5°	1.6	1.9	1.6	1.9	1.6	1.6	1.9	1.6	1.6	1.1	1.1
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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	551.0	551.3	551.3	552.3	552.9	553.1	553.1	555.3	554.6	555.0	555.6
5°	543.1	544.8	545.4	545.4	548.3	549.4	550.4	552.9	553.1	554.8	556.7
7.5°	535.6	537.5	538.5	541.0	542.9	544.8	548.1	549.6	551.3	553.4	555.9
10°	528.3	530.5	532.6	534.5	537.5	539.9	542.1	545.8	547.7	550.7	554.0
12.5°	521.3	524.2	526.1	529.3	532.6	534.7	538.0	541.6	544.5	547.5	551.3
15°	515.0	518.6	520.7	524.2	527.8	530.7	534.3	538.5	540.8	544.2	547.7
17.5°	508.3	512.1	514.8	518.0	522.4	525.5	528.6	532.9	535.6	539.3	543.5
20°	501.2	505.0	508.3	511.5	515.9	519.1	522.6	527.0	529.9	533.7	537.0
22.5°	492.9	496.4	499.9	503.7	508.0	510.7	514.8	518.6	521.8	525.3	528.6
25°	482.0	486.4	489.1	492.6	496.2	499.1	503.4	507.1	509.9	513.2	516.1
27.5°	469.4	472.6	474.7	477.8	481.2	483.9	487.2	491.0	493.7	496.6	498.8
30°	447.7	450.6	452.5	454.8	458.3	460.7	463.4	466.9	468.8	470.9	472.8
32.5°	419.4	421.7	422.8	424.4	426.9	429.3	431.5	434.5	435.3	436.6	436.6
35°	378.2	378.8	378.4	379.0	380.1	381.5	383.4	385.3	386.3	386.3	385.5
37.5°	330.1	326.9	323.4	320.6	319.8	319.3	320.4	321.2	322.3	322.8	321.5
40°	280.1	272.9	265.0	257.9	253.0	250.9	250.1	250.7	250.7	252.6	252.6
42.5°	237.1	225.8	214.1	203.6	196.5	191.1	188.7	188.7	189.0	190.3	191.1
45°	201.4	187.1	173.5	162.0	152.2	145.2	141.9	141.1	140.9	141.4	143.3
47.5°	174.1	159.3	145.2	130.8	120.6	113.6	110.5	109.5	108.4	109.5	109.7
50°	152.8	137.3	122.5	108.2	97.3	91.1	87.3	85.6	85.4	85.4	86.0
52.5°	133.3	118.9	104.1	89.5	78.1	72.2	68.7	67.8	66.8	67.8	67.8
55°	114.9	100.6	86.0	72.2	62.7	56.5	53.2	52.1	51.7	52.5	52.5
57.5°	94.9	82.7	69.2	56.7	47.3	42.9	40.6	39.2	38.9	39.5	38.9
60°	77.9	67.6	55.9	44.6	37.3	32.7	30.8	30.3	29.7	30.3	30.3
62.5°	61.7	53.0	43.5	34.9	28.7	25.4	23.2	23.2	23.0	23.0	23.2
65°	45.7	38.9	32.2	24.9	20.0	17.6	15.9	15.9	15.7	15.9	15.7
67.5°	33.3	28.7	23.2	18.2	14.3	13.0	11.9	11.1	11.7	11.1	10.8
70°	24.3	20.5	16.8	13.8	11.1	9.8	9.0	8.6	8.1	8.1	8.1
72.5°	16.3	13.8	11.3	9.0	7.3	5.9	5.7	5.2	4.6	4.8	5.4
75°	10.8	9.2	8.1	6.5	4.8	4.8	3.3	3.3	2.7	3.3	2.5
77.5°	7.6	6.2	4.8	4.0	3.3	3.0	2.1	2.1	1.9	1.9	1.9
80°	5.4	4.6	3.5	3.0	2.1	2.1	1.9	1.6	1.3	1.3	1.6
82.5°	3.3	2.5	2.5	2.1	1.3	1.1	0.8	1.1	0.6	0.6	0.6
85°	1.9	1.6	1.3	0.8	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.1	0.6	0.6	0.2	0.0	0.2	0.2	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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	556.9	556.7	557.2	557.2	558.8	558.6	559.4	559.4	558.8	559.2	560.2
5°	558.8	559.6	561.3	562.6	565.1	566.1	567.5	568.8	569.1	569.9	570.7
7.5°	558.8	561.5	563.4	565.9	569.1	571.0	574.0	576.4	577.5	578.9	580.5
10°	557.7	560.5	564.0	566.7	570.7	573.7	576.6	580.5	582.1	584.3	586.4
12.5°	555.6	558.6	562.3	565.9	570.5	573.2	577.0	580.5	582.9	585.8	588.3
15°	552.3	555.9	559.4	562.9	567.8	571.0	574.5	578.5	581.0	584.3	586.4
17.5°	547.2	551.0	554.2	557.5	562.1	565.9	569.1	572.9	575.3	578.0	581.0
20°	541.0	544.5	548.1	550.7	555.3	558.6	562.1	565.5	567.5	568.0	572.6
22.5°	533.1	535.6	538.3	542.6	545.4	548.3	551.5	554.8	556.7	559.6	561.3
25°	520.1	522.6	525.5	527.4	530.7	533.1	536.4	539.9	541.0	543.1	544.8
27.5°	502.1	503.4	504.8	506.4	508.3	509.6	511.5	513.2	514.2	515.3	516.3
30°	473.4	473.4	473.4	472.3	473.2	474.0	474.2	474.0	474.0	473.6	473.6
32.5°	435.5	433.4	430.9	428.8	428.0	426.9	426.3	425.5	424.2	423.4	423.6
35°	384.5	379.6	376.7	374.0	371.7	370.2	369.4	368.5	368.2	367.1	366.1
37.5°	320.6	317.1	315.0	313.3	311.4	309.8	310.1	310.4	311.2	310.6	311.0
40°	253.0	252.2	253.0	251.2	250.7	251.2	252.6	254.5	255.5	256.6	258.5
42.5°	192.5	193.8	195.7	195.7	196.5	197.6	199.2	202.2	203.8	205.7	207.9
45°	144.9	146.5	149.0	149.8	150.3	151.7	153.6	156.0	157.1	158.7	160.6
47.5°	111.7	112.8	114.1	115.5	116.8	117.4	119.3	119.3	120.6	121.6	122.2
50°	87.1	88.1	89.2	90.0	90.6	91.4	91.9	92.7	93.0	93.5	93.8
52.5°	68.2	69.5	69.5	70.1	70.8	71.6	71.4	71.6	71.9	71.9	72.8
55°	53.2	53.2	54.0	54.0	54.6	54.4	54.6	54.6	54.6	54.6	54.9
57.5°	39.7	40.0	40.8	40.2	40.0	40.6	40.0	40.6	40.2	40.8	40.0
60°	30.5	30.5	30.8	30.8	31.1	31.1	31.1	30.8	30.8	30.5	30.5
62.5°	23.0	23.2	23.5	23.2	23.2	23.2	23.0	23.0	22.8	22.4	22.4
65°	15.4	15.1	15.7	15.1	15.4	15.4	15.1	15.4	14.6	14.9	14.6
67.5°	11.1	10.8	10.5	10.8	10.5	10.3	10.3	10.5	10.8	10.0	10.0
70°	7.3	7.6	7.3	7.6	7.8	7.8	7.6	7.3	7.6	7.1	7.3
72.5°	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8	4.4	4.4	4.0
75°	2.1	3.0	2.5	2.1	3.0	3.0	2.7	2.7	2.5	2.5	2.5
77.5°	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.3	1.6	1.3
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.3	1.1	1.1	0.8	1.3
82.5°	0.6	0.6	0.6	0.0	0.2	0.6	0.6	0.2	0.6	0.6	0.2
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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	559.9	559.6	559.9	560.2	559.9	559.6	559.9	560.2	559.2	558.8	559.4
5°	571.8	571.8	572.4	572.6	572.4	571.8	571.8	570.7	569.9	569.1	568.8
7.5°	582.1	582.6	583.1	583.5	583.1	582.6	582.1	580.5	578.9	577.5	576.4
10°	588.3	589.1	590.2	590.8	590.2	589.1	588.3	586.4	584.3	582.1	580.5
12.5°	591.0	591.8	593.1	592.9	593.1	591.8	591.0	588.3	585.8	582.9	580.5
15°	589.1	590.2	591.6	592.1	591.6	590.2	589.1	586.4	584.3	581.0	578.5
17.5°	583.1	584.8	585.6	586.4	585.6	584.8	583.1	581.0	578.0	575.3	572.9
20°	575.1	576.2	577.2	577.5	577.2	576.2	575.1	572.6	568.0	567.5	565.5
22.5°	563.4	564.2	566.7	565.9	566.7	564.2	563.4	561.3	559.6	556.7	554.8
25°	546.7	547.5	547.7	548.1	547.7	547.5	546.7	544.8	543.1	541.0	539.9
27.5°	517.8	517.8	518.2	518.6	518.2	517.8	517.8	516.3	515.3	514.2	513.2
30°	474.0	474.0	474.0	475.3	474.0	474.0	474.0	473.6	473.6	474.0	474.0
32.5°	423.4	422.8	422.3	422.8	422.3	422.8	423.4	423.6	423.4	424.2	425.5
35°	366.1	365.8	366.6	365.6	366.6	365.8	366.1	366.1	367.1	368.2	368.5
37.5°	311.2	310.6	311.8	310.6	311.8	310.6	311.2	311.0	310.6	311.2	310.4
40°	259.1	259.5	259.5	261.8	259.5	259.5	259.1	258.5	256.6	255.5	254.5
42.5°	209.0	210.6	210.1	211.6	210.1	210.6	209.0	207.9	205.7	203.8	202.2
45°	161.6	162.8	162.8	163.3	162.8	162.8	161.6	160.6	158.7	157.1	156.0
47.5°	124.1	124.1	124.1	124.3	124.1	124.1	124.1	122.2	121.6	120.6	119.3
50°	94.4	94.6	94.9	95.2	94.9	94.6	94.4	93.8	93.5	93.0	92.7
52.5°	72.4	72.8	72.2	72.8	72.2	72.8	72.4	72.8	71.9	71.9	71.6
55°	54.9	54.6	54.9	55.2	54.9	54.6	54.9	54.9	54.6	54.6	54.6
57.5°	40.2	39.7	39.7	39.7	39.7	39.7	40.2	40.0	40.8	40.2	40.6
60°	30.0	30.3	30.3	30.5	30.3	30.3	30.0	30.5	30.5	30.8	30.8
62.5°	22.2	23.0	22.4	23.0	22.4	23.0	22.2	22.4	22.4	22.8	23.0
65°	14.3	14.3	14.3	14.6	14.3	14.3	14.3	14.6	14.9	14.6	15.4
67.5°	9.8	10.0	10.5	10.3	10.5	10.0	9.8	10.0	10.0	10.8	10.5
70°	7.8	7.1	7.1	7.8	7.1	7.1	7.8	7.3	7.1	7.6	7.3
72.5°	4.6	4.0	4.6	4.6	4.6	4.0	4.6	4.0	4.4	4.4	4.8
75°	2.5	2.1	1.9	2.7	1.9	2.1	2.5	2.5	2.5	2.5	2.7
77.5°	1.6	1.3	1.9	1.9	1.9	1.3	1.6	1.3	1.6	1.3	1.6
80°	0.8	1.1	0.8	1.3	0.8	1.1	0.8	1.3	0.8	1.1	1.1
82.5°	0.2	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.6	0.6	0.2
85°	0.0	0.6	0.2	0.2	0.2	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	559.4	558.6	558.8	557.2	557.2	556.7	556.9	555.6	555.0	554.6	555.3
5°	567.5	566.1	565.1	562.6	561.3	559.6	558.8	556.7	554.8	553.1	552.9
7.5°	574.0	571.0	569.1	565.9	563.4	561.5	558.8	555.9	553.4	551.3	549.6
10°	576.6	573.7	570.7	566.7	564.0	560.5	557.7	554.0	550.7	547.7	545.8
12.5°	577.0	573.2	570.5	565.9	562.3	558.6	555.6	551.3	547.5	544.5	541.6
15°	574.5	571.0	567.8	562.9	559.4	555.9	552.3	547.7	544.2	540.8	538.5
17.5°	569.1	565.9	562.1	557.5	554.2	551.0	547.2	543.5	539.3	535.6	532.9
20°	562.1	558.6	555.3	550.7	548.1	544.5	541.0	537.0	533.7	529.9	527.0
22.5°	551.5	548.3	545.4	542.6	538.3	535.6	533.1	528.6	525.3	521.8	518.6
25°	536.4	533.1	530.7	527.4	525.5	522.6	520.1	516.1	513.2	509.9	507.1
27.5°	511.5	509.6	508.3	506.4	504.8	503.4	502.1	498.8	496.6	493.7	491.0
30°	474.2	474.0	473.2	472.3	473.4	473.4	473.4	472.8	470.9	468.8	466.9
32.5°	426.3	426.9	428.0	428.8	430.9	433.4	435.5	436.6	436.6	435.3	434.5
35°	369.4	370.2	371.7	374.0	376.7	379.6	384.5	385.5	386.3	386.3	385.3
37.5°	310.1	309.8	311.4	313.3	315.0	317.1	320.6	321.5	322.8	322.3	321.2
40°	252.6	251.2	250.7	251.2	253.0	252.2	253.0	252.6	252.6	250.7	250.7
42.5°	199.2	197.6	196.5	195.7	195.7	193.8	192.5	191.1	190.3	189.0	188.7
45°	153.6	151.7	150.3	149.8	149.0	146.5	144.9	143.3	141.4	140.9	141.1
47.5°	119.3	117.4	116.8	115.5	114.1	112.8	111.7	109.7	109.5	108.4	109.5
50°	91.9	91.4	90.6	90.0	89.2	88.1	87.1	86.0	85.4	85.4	85.6
52.5°	71.4	71.6	70.8	70.1	69.5	69.5	68.2	67.8	67.8	66.8	67.8
55°	54.6	54.4	54.6	54.0	54.0	53.2	53.2	52.5	52.5	51.7	52.1
57.5°	40.0	40.6	40.0	40.2	40.8	40.0	39.7	38.9	39.5	38.9	39.2
60°	31.1	31.1	31.1	30.8	30.8	30.5	30.5	30.3	30.3	29.7	30.3
62.5°	23.0	23.2	23.2	23.2	23.5	23.2	23.0	23.2	23.0	23.0	23.2
65°	15.1	15.4	15.4	15.1	15.7	15.1	15.4	15.7	15.9	15.7	15.9
67.5°	10.3	10.3	10.5	10.8	10.5	10.8	11.1	10.8	11.1	11.7	11.1
70°	7.6	7.8	7.8	7.6	7.3	7.6	7.3	8.1	8.1	8.1	8.6
72.5°	4.8	4.8	4.6	4.6	4.6	4.6	4.6	5.4	4.8	4.6	5.2
75°	2.7	3.0	3.0	2.1	2.5	3.0	2.1	2.5	3.3	2.7	3.3
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	1.9	1.9	1.9	2.1
80°	1.3	1.1	1.1	0.8	1.1	1.1	1.1	1.6	1.3	1.3	1.6
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	553.1	553.1	552.9	552.3	551.3	551.3	551.0	550.2	549.6	549.4	549.4
5°	550.4	549.4	548.3	545.4	545.4	544.8	543.1	542.1	541.6	540.2	539.6
7.5°	548.1	544.8	542.9	541.0	538.5	537.5	535.6	534.7	532.9	531.6	530.7
10°	542.1	539.9	537.5	534.5	532.6	530.5	528.3	526.6	524.2	522.8	521.8
12.5°	538.0	534.7	532.6	529.3	526.1	524.2	521.3	519.4	516.9	514.2	512.6
15°	534.3	530.7	527.8	524.2	520.7	518.6	515.0	512.9	509.4	506.7	504.8
17.5°	528.6	525.5	522.4	518.0	514.8	512.1	508.3	505.6	502.3	498.8	496.9
20°	522.6	519.1	515.9	511.5	508.3	505.0	501.2	498.3	494.5	491.2	489.1
22.5°	514.8	510.7	508.0	503.7	499.9	496.4	492.9	489.3	485.8	483.2	480.7
25°	503.4	499.1	496.2	492.6	489.1	486.4	482.0	479.9	476.4	474.0	471.5
27.5°	487.2	483.9	481.2	477.8	474.7	472.6	469.4	467.2	464.2	462.1	460.2
30°	463.4	460.7	458.3	454.8	452.5	450.6	447.7	445.8	443.7	441.2	440.7
32.5°	431.5	429.3	426.9	424.4	422.8	421.7	419.4	418.2	416.1	414.8	413.4
35°	383.4	381.5	380.1	379.0	378.4	378.8	378.2	379.3	379.9	379.6	379.9
37.5°	320.4	319.3	319.8	320.6	323.4	326.9	330.1	335.0	338.2	341.5	344.5
40°	250.1	250.9	253.0	257.9	265.0	272.9	280.1	289.3	298.5	305.0	311.0
42.5°	188.7	191.1	196.5	203.6	214.1	225.8	237.1	250.7	261.8	272.5	280.1
45°	141.9	145.2	152.2	162.0	173.5	187.1	201.4	216.6	229.8	240.9	249.3
47.5°	110.5	113.6	120.6	130.8	145.2	159.3	174.1	189.8	203.6	214.4	221.7
50°	87.3	91.1	97.3	108.2	122.5	137.3	152.8	168.2	181.2	190.3	196.8
52.5°	68.7	72.2	78.1	89.5	104.1	118.9	133.3	148.4	159.7	168.7	173.1
55°	53.2	56.5	62.7	72.2	86.0	100.6	114.9	127.9	138.4	144.9	149.0
57.5°	40.6	42.9	47.3	56.7	69.2	82.7	94.9	107.8	116.0	120.6	123.3
60°	30.8	32.7	37.3	44.6	55.9	67.6	77.9	87.6	94.1	97.9	100.6
62.5°	23.2	25.4	28.7	34.9	43.5	53.0	61.7	68.9	74.3	76.8	78.7
65°	15.9	17.6	20.0	24.9	32.2	38.9	45.7	51.1	54.6	57.3	58.4
67.5°	11.9	13.0	14.3	18.2	23.2	28.7	33.3	37.0	40.8	41.9	43.8
70°	9.0	9.8	11.1	13.8	16.8	20.5	24.3	26.5	29.1	31.1	31.6
72.5°	5.7	5.9	7.3	9.0	11.3	13.8	16.3	18.2	19.7	20.9	21.4
75°	3.3	4.8	4.8	6.5	8.1	9.2	10.8	12.2	13.0	13.8	13.8
77.5°	2.1	3.0	3.3	4.0	4.8	6.2	7.6	8.4	9.2	9.4	9.4
80°	1.9	2.1	2.1	3.0	3.5	4.6	5.4	5.7	6.2	6.5	7.1
82.5°	0.8	1.1	1.3	2.1	2.5	2.5	3.3	3.5	4.0	4.4	4.4
85°	0.2	0.6	0.6	0.8	1.3	1.6	1.9	2.1	2.5	2.5	2.7
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.1	1.1	1.1	1.6	1.6
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: P245016

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	553.7	553.7	553.7	553.7	553.7	553.7	553.7
2.5°	548.8	549.1	548.1	547.7	547.2	547.5	548.1
5°	538.9	539.1	538.0	537.0	537.0	536.6	537.0
7.5°	529.3	529.7	528.0	527.4	526.4	526.6	526.6
10°	519.9	519.9	517.5	517.2	516.3	516.1	516.1
12.5°	510.7	509.9	508.0	506.9	507.5	505.8	505.8
15°	502.5	501.2	498.8	497.9	496.6	496.2	496.2
17.5°	494.2	493.1	491.0	489.3	487.7	487.4	487.7
20°	486.1	485.1	482.4	481.2	479.9	479.9	479.3
22.5°	478.0	476.9	474.5	473.6	471.8	471.8	472.1
25°	469.6	468.8	466.1	465.6	465.3	464.2	464.8
27.5°	458.3	457.7	455.6	454.8	453.7	453.4	453.9
30°	437.4	436.6	435.1	434.2	432.3	432.6	433.2
32.5°	411.5	410.4	408.3	407.5	405.8	405.2	405.6
35°	379.0	378.2	376.3	376.3	374.8	374.2	374.8
37.5°	346.1	346.8	346.1	346.8	346.1	345.8	346.1
40°	315.0	317.9	318.5	321.5	320.4	322.0	321.7
42.5°	285.2	290.1	292.0	294.4	293.9	294.9	295.8
45°	255.3	259.3	261.2	262.8	263.1	263.7	263.9
47.5°	226.8	230.0	230.4	232.3	231.9	231.9	232.8
50°	200.3	202.5	203.0	204.4	203.3	202.8	203.0
52.5°	175.8	177.9	177.3	177.9	176.6	176.0	176.2
55°	150.6	151.7	151.7	151.7	150.1	150.1	150.1
57.5°	124.9	125.2	124.7	124.9	124.7	123.0	122.7
60°	101.3	101.3	101.1	101.3	100.6	99.8	99.8
62.5°	79.3	79.7	80.8	79.7	79.3	79.7	78.9
65°	59.2	60.3	60.0	60.5	60.3	60.3	59.7
67.5°	44.6	44.8	45.2	45.4	45.4	45.4	45.4
70°	32.7	33.5	33.3	33.3	33.3	33.3	34.9
72.5°	21.9	23.0	22.8	23.2	23.2	23.8	23.2
75°	14.9	15.9	15.4	16.3	15.9	15.4	16.8
77.5°	10.0	10.5	10.8	11.1	10.8	10.5	10.8
80°	7.1	7.6	7.3	7.6	7.6	7.6	7.8
82.5°	4.4	5.2	4.8	5.2	4.8	5.2	5.2
85°	3.0	3.3	2.7	3.3	3.0	3.0	3.5
87.5°	1.9	1.6	1.6	1.9	1.6	1.9	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)