

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: P246024

Luminaire Tested: **LD8B10D010 ER8B109730 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246024
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 ER8B109730 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.0 lumens
Efficiency: N/A
Efficacy: 81.5 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

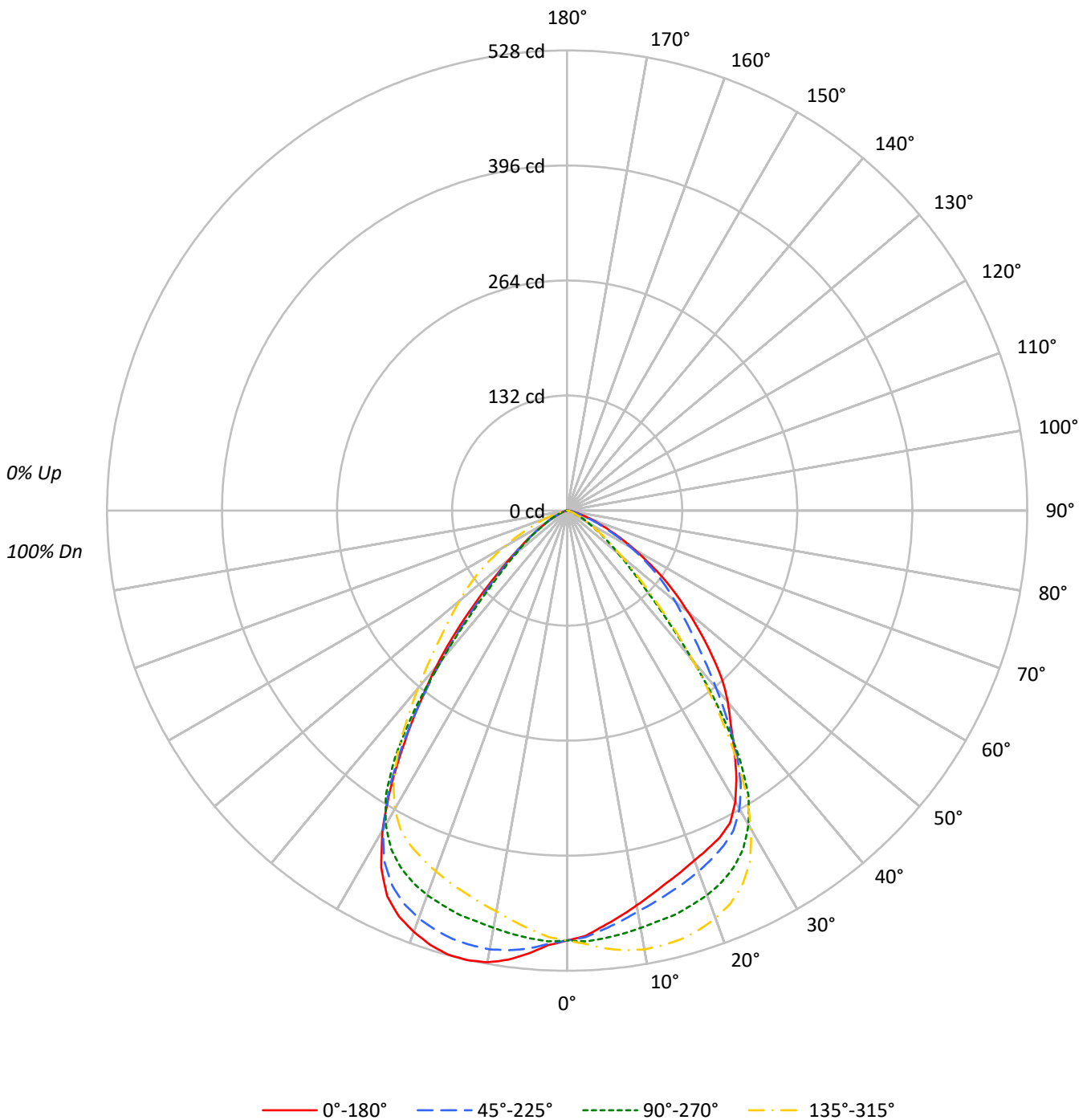
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	5.7
10°-20°	136.0	16.4
20°-30°	205.9	24.8
30°-40°	206.4	24.8
40°-50°	129.6	15.6
50°-60°	69.1	8.3
60°-70°	28.4	3.4
70°-80°	7.5	0.9
80°-90°	1.3	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°	388.8	46.8
0°-40°	595.2	71.6
0°-60°	793.8	95.5
0°-90°	831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	493	493	493	493	493	
5°	478	493	510	493	478	45
15°	442	480	528	480	442	125
25°	414	452	488	452	414	190
35°	334	343	326	343	334	209
45°	235	126	146	126	235	181
55°	134	46	49	46	134	119
65°	53	14	13	14	53	55
75°	15	3	2	3	15	17
85°	3	0	0	0	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	488.3	487.8	487.6	488.0	488.3	489.2	489.0	489.5	489.5	489.7	490.2
5°	478.4	478.2	478.4	478.4	479.4	480.3	480.1	480.8	481.3	482.5	483.0
7.5°	469.3	469.3	469.0	470.0	470.5	471.9	471.7	472.9	473.6	474.8	476.5
10°	459.9	459.9	460.1	460.8	461.1	463.2	463.2	464.9	465.9	467.1	469.3
12.5°	450.7	450.7	452.2	451.7	452.6	454.3	455.0	456.7	458.2	460.6	462.8
15°	442.0	442.0	442.5	443.7	444.4	446.6	447.8	449.7	451.4	453.8	457.0
17.5°	434.6	434.3	434.6	436.0	437.5	439.4	440.3	442.8	444.4	447.6	450.5
20°	427.1	427.6	427.6	428.8	429.7	432.2	433.1	435.8	437.7	440.6	444.0
22.5°	420.6	420.4	420.4	422.0	422.8	424.9	425.9	428.3	430.5	432.9	436.0
25°	414.1	413.6	414.6	414.8	415.3	417.7	418.4	420.1	422.3	424.4	427.6
27.5°	404.4	404.0	404.2	405.2	405.9	407.8	408.3	410.0	411.7	413.6	416.3
30°	385.9	385.4	385.2	386.9	387.6	389.0	389.8	392.6	393.1	395.3	397.2
32.5°	361.3	361.1	361.6	363.0	363.7	365.7	366.6	368.3	369.5	370.7	372.7
35°	333.9	333.4	333.9	335.3	335.3	337.0	337.7	338.4	338.2	338.4	338.0
37.5°	308.3	308.1	308.3	309.1	308.3	309.1	308.3	306.9	304.2	301.4	298.5
40°	286.7	286.9	285.5	286.4	283.8	283.3	280.6	277.0	271.7	265.9	257.8
42.5°	263.5	262.8	261.8	262.3	260.2	258.5	254.1	249.6	242.8	233.2	223.3
45°	235.1	234.9	234.4	234.1	232.7	231.0	227.4	222.1	214.6	204.8	192.9
47.5°	207.4	206.7	206.7	206.9	205.2	205.0	202.1	197.5	191.0	181.4	169.1
50°	180.9	180.7	181.1	182.1	180.9	180.4	178.5	175.4	169.6	161.4	149.8
52.5°	157.1	156.8	157.3	158.5	158.0	158.5	156.6	154.2	150.3	142.4	132.2
55°	133.7	133.7	133.7	135.1	135.1	135.1	134.2	132.7	129.1	123.3	113.9
57.5°	109.4	109.6	111.0	111.3	111.0	111.5	111.3	109.8	107.4	103.3	96.1
60°	88.9	88.9	89.6	90.3	90.1	90.3	90.3	89.6	87.2	83.8	78.1
62.5°	70.3	71.1	70.6	71.1	72.0	71.1	70.6	70.1	68.4	66.2	61.4
65°	53.2	53.7	53.7	54.0	53.5	53.7	52.8	52.0	51.1	48.7	45.5
67.5°	40.5	40.5	40.5	40.5	40.2	40.0	39.7	39.0	37.3	36.4	33.0
70°	31.1	29.6	29.6	29.6	29.6	29.9	29.2	28.2	27.7	26.0	23.6
72.5°	20.7	21.2	20.7	20.7	20.2	20.5	19.5	19.0	18.6	17.6	16.1
75°	14.9	13.7	14.2	14.5	13.7	14.2	13.2	12.3	12.3	11.6	10.8
77.5°	9.6	9.4	9.6	9.9	9.6	9.4	8.9	8.4	8.4	8.2	7.5
80°	7.0	6.7	6.7	6.7	6.5	6.7	6.3	6.3	5.8	5.5	5.1
82.5°	4.6	4.6	4.3	4.6	4.3	4.6	3.9	3.9	3.9	3.6	3.1
85°	3.1	2.6	2.6	2.9	2.4	2.9	2.6	2.4	2.2	2.2	1.9
87.5°	1.4	1.7	1.4	1.7	1.4	1.4	1.7	1.4	1.4	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	490.9	491.2	491.2	492.1	492.6	492.9	492.9	494.8	494.1	494.5	495.0
5°	483.9	485.4	485.9	485.9	488.5	489.5	490.4	492.6	492.9	494.3	496.0
7.5°	477.2	478.9	479.9	482.0	483.7	485.4	488.3	489.7	491.2	493.1	495.3
10°	470.7	472.6	474.5	476.2	478.9	481.1	483.0	486.3	488.0	490.7	493.6
12.5°	464.4	467.1	468.8	471.7	474.5	476.5	479.4	482.5	485.1	487.8	491.2
15°	458.9	462.0	463.9	467.1	470.2	472.9	476.0	479.9	481.8	484.9	488.0
17.5°	452.9	456.2	458.7	461.5	465.4	468.3	470.9	474.8	477.2	480.6	484.2
20°	446.6	450.0	452.9	455.8	459.6	462.5	465.6	469.5	472.1	475.5	478.4
22.5°	439.1	442.3	445.4	448.8	452.6	455.0	458.7	462.0	464.9	468.0	470.9
25°	429.5	433.4	435.8	438.9	442.0	444.7	448.5	451.9	454.3	457.2	459.9
27.5°	418.2	421.1	423.0	425.6	428.8	431.2	434.1	437.5	439.9	442.5	444.4
30°	398.9	401.6	403.2	405.2	408.3	410.5	412.9	416.0	417.7	419.6	421.3
32.5°	373.6	375.8	376.7	378.2	380.4	382.5	384.5	387.1	387.8	389.0	389.0
35°	337.0	337.5	337.2	337.7	338.7	339.9	341.6	343.3	344.2	344.2	343.5
37.5°	294.1	291.2	288.1	285.7	285.0	284.5	285.5	286.2	287.1	287.6	286.4
40°	249.6	243.1	236.1	229.8	225.5	223.5	222.8	223.3	223.3	225.0	225.0
42.5°	211.3	201.1	190.8	181.4	175.1	170.3	168.1	168.1	168.4	169.6	170.3
45°	179.5	166.7	154.6	144.3	135.6	129.4	126.5	125.7	125.5	126.0	127.7
47.5°	155.1	141.9	129.4	116.6	107.4	101.2	98.5	97.6	96.6	97.6	97.8
50°	136.1	122.4	109.1	96.4	86.7	81.2	77.8	76.4	76.1	76.1	76.6
52.5°	118.8	106.0	92.7	79.7	69.6	64.3	61.2	60.5	59.5	60.5	60.5
55°	102.4	89.6	76.6	64.3	55.9	50.3	47.5	46.5	46.0	46.7	46.7
57.5°	84.6	73.7	61.7	50.6	42.2	38.3	36.1	34.9	34.7	35.2	34.7
60°	69.4	60.2	49.9	39.7	33.2	29.2	27.5	27.0	26.5	27.0	27.0
62.5°	54.9	47.2	38.8	31.1	25.5	22.6	20.7	20.7	20.5	20.5	20.7
65°	40.7	34.7	28.7	22.2	17.8	15.7	14.2	14.2	14.0	14.2	14.0
67.5°	29.6	25.5	20.7	16.1	12.8	11.6	10.6	9.9	10.4	9.9	9.6
70°	21.7	18.3	14.9	12.3	9.9	8.7	8.0	7.7	7.2	7.2	7.2
72.5°	14.5	12.3	10.1	8.0	6.5	5.3	5.1	4.6	4.1	4.3	4.8
75°	9.6	8.2	7.2	5.8	4.3	4.3	2.9	2.9	2.4	2.9	2.2
77.5°	6.7	5.5	4.3	3.6	2.9	2.6	1.9	1.9	1.7	1.7	1.7
80°	4.8	4.1	3.1	2.6	1.9	1.9	1.7	1.4	1.2	1.2	1.4
82.5°	2.9	2.2	2.2	1.9	1.2	1.0	0.7	1.0	0.5	0.5	0.5
85°	1.7	1.4	1.2	0.7	0.5	0.5	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	0.5	0.5	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	496.2	496.0	496.5	496.5	497.9	497.7	498.4	498.4	497.9	498.2	499.1
5°	497.9	498.6	500.1	501.3	503.5	504.4	505.6	506.8	507.1	507.8	508.5
7.5°	497.9	500.3	502.0	504.2	507.1	508.8	511.4	513.6	514.5	515.7	517.2
10°	496.9	499.4	502.5	504.9	508.5	511.2	513.8	517.2	518.6	520.6	522.5
12.5°	495.0	497.7	501.0	504.2	508.3	510.7	514.1	517.2	519.4	522.0	524.2
15°	492.1	495.3	498.4	501.5	505.9	508.8	511.9	515.5	517.7	520.6	522.5
17.5°	487.6	490.9	493.8	496.7	500.8	504.2	507.1	510.4	512.6	515.0	517.7
20°	482.0	485.1	488.3	490.7	494.8	497.7	500.8	503.9	505.6	506.1	510.2
22.5°	475.0	477.2	479.6	483.5	485.9	488.5	491.4	494.3	496.0	498.6	500.1
25°	463.5	465.6	468.3	470.0	472.9	475.0	477.9	481.1	482.0	483.9	485.4
27.5°	447.3	448.5	449.7	451.2	452.9	454.1	455.8	457.2	458.2	459.1	460.1
30°	421.8	421.8	421.8	420.8	421.6	422.3	422.5	422.3	422.3	422.0	422.0
32.5°	388.1	386.1	384.0	382.1	381.3	380.4	379.9	379.2	378.0	377.2	377.5
35°	342.5	338.2	335.6	333.1	331.2	329.8	329.1	328.3	328.1	327.1	326.2
37.5°	285.7	282.6	280.6	279.2	277.5	276.1	276.3	276.5	277.3	276.8	277.0
40°	225.5	224.7	225.5	223.8	223.3	223.8	225.0	226.7	227.6	228.6	230.3
42.5°	171.5	172.7	174.4	174.4	175.1	176.1	177.5	180.2	181.6	183.3	185.2
45°	129.1	130.6	132.7	133.4	133.9	135.1	136.8	139.0	140.0	141.4	143.1
47.5°	99.5	100.5	101.7	102.9	104.1	104.5	106.2	106.2	107.4	108.4	108.9
50°	77.6	78.5	79.5	80.2	80.7	81.4	81.9	82.6	82.9	83.3	83.6
52.5°	60.7	61.9	61.9	62.4	63.1	63.8	63.6	63.8	64.1	64.1	64.8
55°	47.5	47.5	48.2	48.2	48.7	48.4	48.7	48.7	48.7	48.7	48.9
57.5°	35.4	35.7	36.4	35.9	35.7	36.1	35.7	36.1	35.9	36.4	35.7
60°	27.2	27.2	27.5	27.5	27.7	27.7	27.7	27.5	27.5	27.2	27.2
62.5°	20.5	20.7	21.0	20.7	20.7	20.7	20.5	20.5	20.2	20.0	20.0
65°	13.7	13.5	14.0	13.5	13.7	13.7	13.5	13.7	13.0	13.2	13.0
67.5°	9.9	9.6	9.4	9.6	9.4	9.2	9.2	9.4	9.6	8.9	8.9
70°	6.5	6.7	6.5	6.7	7.0	7.0	6.7	6.5	6.7	6.3	6.5
72.5°	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.3	3.9	3.9	3.6
75°	1.9	2.6	2.2	1.9	2.6	2.6	2.4	2.4	2.2	2.2	2.2
77.5°	1.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.4	1.2
80°	1.0	1.0	1.0	0.7	1.0	1.0	1.2	1.0	1.0	0.7	1.2
82.5°	0.5	0.5	0.5	0.0	0.2	0.5	0.5	0.2	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	498.9	498.6	498.9	499.1	498.9	498.6	498.9	499.1	498.2	497.9	498.4
5°	509.5	509.5	510.0	510.2	510.0	509.5	509.5	508.5	507.8	507.1	506.8
7.5°	518.6	519.1	519.6	519.8	519.6	519.1	518.6	517.2	515.7	514.5	513.6
10°	524.2	524.9	525.9	526.3	525.9	524.9	524.2	522.5	520.6	518.6	517.2
12.5°	526.6	527.3	528.5	528.3	528.5	527.3	526.6	524.2	522.0	519.4	517.2
15°	524.9	525.9	527.1	527.5	527.1	525.9	524.9	522.5	520.6	517.7	515.5
17.5°	519.6	521.0	521.8	522.5	521.8	521.0	519.6	517.7	515.0	512.6	510.4
20°	512.4	513.3	514.3	514.5	514.3	513.3	512.4	510.2	506.1	505.6	503.9
22.5°	502.0	502.7	504.9	504.2	504.9	502.7	502.0	500.1	498.6	496.0	494.3
25°	487.1	487.8	488.0	488.3	488.0	487.8	487.1	485.4	483.9	482.0	481.1
27.5°	461.3	461.3	461.8	462.0	461.8	461.3	461.3	460.1	459.1	458.2	457.2
30°	422.3	422.3	422.3	423.5	422.3	422.3	422.3	422.0	422.0	422.3	422.3
32.5°	377.2	376.7	376.3	376.7	376.3	376.7	377.2	377.5	377.2	378.0	379.2
35°	326.2	325.9	326.6	325.7	326.6	325.9	326.2	326.2	327.1	328.1	328.3
37.5°	277.3	276.8	277.7	276.8	277.7	276.8	277.3	277.0	276.8	277.3	276.5
40°	230.8	231.3	231.3	233.2	231.3	231.3	230.8	230.3	228.6	227.6	226.7
42.5°	186.2	187.7	187.2	188.6	187.2	187.7	186.2	185.2	183.3	181.6	180.2
45°	144.0	145.0	145.0	145.5	145.0	145.0	144.0	143.1	141.4	140.0	139.0
47.5°	110.6	110.6	110.6	110.8	110.6	110.6	110.6	108.9	108.4	107.4	106.2
50°	84.1	84.3	84.6	84.8	84.6	84.3	84.1	83.6	83.3	82.9	82.6
52.5°	64.6	64.8	64.3	64.8	64.3	64.8	64.6	64.8	64.1	64.1	63.8
55°	48.9	48.7	48.9	49.1	48.9	48.7	48.9	48.9	48.7	48.7	48.7
57.5°	35.9	35.4	35.4	35.4	35.4	35.4	35.9	35.7	36.4	35.9	36.1
60°	26.7	27.0	27.0	27.2	27.0	27.0	26.7	27.2	27.2	27.5	27.5
62.5°	19.8	20.5	20.0	20.5	20.0	20.5	19.8	20.0	20.0	20.2	20.5
65°	12.8	12.8	12.8	13.0	12.8	12.8	12.8	13.0	13.2	13.0	13.7
67.5°	8.7	8.9	9.4	9.2	9.4	8.9	8.7	8.9	8.9	9.6	9.4
70°	7.0	6.3	6.3	7.0	6.3	6.3	7.0	6.5	6.3	6.7	6.5
72.5°	4.1	3.6	4.1	4.1	4.1	3.6	4.1	3.6	3.9	3.9	4.3
75°	2.2	1.9	1.7	2.4	1.7	1.9	2.2	2.2	2.2	2.2	2.4
77.5°	1.4	1.2	1.7	1.7	1.7	1.2	1.4	1.2	1.4	1.2	1.4
80°	0.7	1.0	0.7	1.2	0.7	1.0	0.7	1.2	0.7	1.0	1.0
82.5°	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.2
85°	0.0	0.5	0.2	0.2	0.2	0.5	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: P246024

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	498.4	497.7	497.9	496.5	496.5	496.0	496.2	495.0	494.5	494.1	494.8
5°	505.6	504.4	503.5	501.3	500.1	498.6	497.9	496.0	494.3	492.9	492.6
7.5°	511.4	508.8	507.1	504.2	502.0	500.3	497.9	495.3	493.1	491.2	489.7
10°	513.8	511.2	508.5	504.9	502.5	499.4	496.9	493.6	490.7	488.0	486.3
12.5°	514.1	510.7	508.3	504.2	501.0	497.7	495.0	491.2	487.8	485.1	482.5
15°	511.9	508.8	505.9	501.5	498.4	495.3	492.1	488.0	484.9	481.8	479.9
17.5°	507.1	504.2	500.8	496.7	493.8	490.9	487.6	484.2	480.6	477.2	474.8
20°	500.8	497.7	494.8	490.7	488.3	485.1	482.0	478.4	475.5	472.1	469.5
22.5°	491.4	488.5	485.9	483.5	479.6	477.2	475.0	470.9	468.0	464.9	462.0
25°	477.9	475.0	472.9	470.0	468.3	465.6	463.5	459.9	457.2	454.3	451.9
27.5°	455.8	454.1	452.9	451.2	449.7	448.5	447.3	444.4	442.5	439.9	437.5
30°	422.5	422.3	421.6	420.8	421.8	421.8	421.8	421.3	419.6	417.7	416.0
32.5°	379.9	380.4	381.3	382.1	384.0	386.1	388.1	389.0	389.0	387.8	387.1
35°	329.1	329.8	331.2	333.1	335.6	338.2	342.5	343.5	344.2	344.2	343.3
37.5°	276.3	276.1	277.5	279.2	280.6	282.6	285.7	286.4	287.6	287.1	286.2
40°	225.0	223.8	223.3	223.8	225.5	224.7	225.5	225.0	225.0	223.3	223.3
42.5°	177.5	176.1	175.1	174.4	174.4	172.7	171.5	170.3	169.6	168.4	168.1
45°	136.8	135.1	133.9	133.4	132.7	130.6	129.1	127.7	126.0	125.5	125.7
47.5°	106.2	104.5	104.1	102.9	101.7	100.5	99.5	97.8	97.6	96.6	97.6
50°	81.9	81.4	80.7	80.2	79.5	78.5	77.6	76.6	76.1	76.1	76.4
52.5°	63.6	63.8	63.1	62.4	61.9	61.9	60.7	60.5	60.5	59.5	60.5
55°	48.7	48.4	48.7	48.2	48.2	47.5	47.5	46.7	46.7	46.0	46.5
57.5°	35.7	36.1	35.7	35.9	36.4	35.7	35.4	34.7	35.2	34.7	34.9
60°	27.7	27.7	27.7	27.5	27.5	27.2	27.2	27.0	27.0	26.5	27.0
62.5°	20.5	20.7	20.7	20.7	21.0	20.7	20.5	20.7	20.5	20.5	20.7
65°	13.5	13.7	13.7	13.5	14.0	13.5	13.7	14.0	14.2	14.0	14.2
67.5°	9.2	9.2	9.4	9.6	9.4	9.6	9.9	9.6	9.9	10.4	9.9
70°	6.7	7.0	7.0	6.7	6.5	6.7	6.5	7.2	7.2	7.2	7.7
72.5°	4.3	4.3	4.1	4.1	4.1	4.1	4.1	4.8	4.3	4.1	4.6
75°	2.4	2.6	2.6	1.9	2.2	2.6	1.9	2.2	2.9	2.4	2.9
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.7	1.7	1.7	1.9
80°	1.2	1.0	1.0	0.7	1.0	1.0	1.0	1.4	1.2	1.2	1.4
82.5°	0.5	0.5	0.2	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
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	0.5	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: P246024

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	492.9	492.9	492.6	492.1	491.2	491.2	490.9	490.2	489.7	489.5	489.5
5°	490.4	489.5	488.5	485.9	485.9	485.4	483.9	483.0	482.5	481.3	480.8
7.5°	488.3	485.4	483.7	482.0	479.9	478.9	477.2	476.5	474.8	473.6	472.9
10°	483.0	481.1	478.9	476.2	474.5	472.6	470.7	469.3	467.1	465.9	464.9
12.5°	479.4	476.5	474.5	471.7	468.8	467.1	464.4	462.8	460.6	458.2	456.7
15°	476.0	472.9	470.2	467.1	463.9	462.0	458.9	457.0	453.8	451.4	449.7
17.5°	470.9	468.3	465.4	461.5	458.7	456.2	452.9	450.5	447.6	444.4	442.8
20°	465.6	462.5	459.6	455.8	452.9	450.0	446.6	444.0	440.6	437.7	435.8
22.5°	458.7	455.0	452.6	448.8	445.4	442.3	439.1	436.0	432.9	430.5	428.3
25°	448.5	444.7	442.0	438.9	435.8	433.4	429.5	427.6	424.4	422.3	420.1
27.5°	434.1	431.2	428.8	425.6	423.0	421.1	418.2	416.3	413.6	411.7	410.0
30°	412.9	410.5	408.3	405.2	403.2	401.6	398.9	397.2	395.3	393.1	392.6
32.5°	384.5	382.5	380.4	378.2	376.7	375.8	373.6	372.7	370.7	369.5	368.3
35°	341.6	339.9	338.7	337.7	337.2	337.5	337.0	338.0	338.4	338.2	338.4
37.5°	285.5	284.5	285.0	285.7	288.1	291.2	294.1	298.5	301.4	304.2	306.9
40°	222.8	223.5	225.5	229.8	236.1	243.1	249.6	257.8	265.9	271.7	277.0
42.5°	168.1	170.3	175.1	181.4	190.8	201.1	211.3	223.3	233.2	242.8	249.6
45°	126.5	129.4	135.6	144.3	154.6	166.7	179.5	192.9	204.8	214.6	222.1
47.5°	98.5	101.2	107.4	116.6	129.4	141.9	155.1	169.1	181.4	191.0	197.5
50°	77.8	81.2	86.7	96.4	109.1	122.4	136.1	149.8	161.4	169.6	175.4
52.5°	61.2	64.3	69.6	79.7	92.7	106.0	118.8	132.2	142.4	150.3	154.2
55°	47.5	50.3	55.9	64.3	76.6	89.6	102.4	113.9	123.3	129.1	132.7
57.5°	36.1	38.3	42.2	50.6	61.7	73.7	84.6	96.1	103.3	107.4	109.8
60°	27.5	29.2	33.2	39.7	49.9	60.2	69.4	78.1	83.8	87.2	89.6
62.5°	20.7	22.6	25.5	31.1	38.8	47.2	54.9	61.4	66.2	68.4	70.1
65°	14.2	15.7	17.8	22.2	28.7	34.7	40.7	45.5	48.7	51.1	52.0
67.5°	10.6	11.6	12.8	16.1	20.7	25.5	29.6	33.0	36.4	37.3	39.0
70°	8.0	8.7	9.9	12.3	14.9	18.3	21.7	23.6	26.0	27.7	28.2
72.5°	5.1	5.3	6.5	8.0	10.1	12.3	14.5	16.1	17.6	18.6	19.0
75°	2.9	4.3	4.3	5.8	7.2	8.2	9.6	10.8	11.6	12.3	12.3
77.5°	1.9	2.6	2.9	3.6	4.3	5.5	6.7	7.5	8.2	8.4	8.4
80°	1.7	1.9	1.9	2.6	3.1	4.1	4.8	5.1	5.5	5.8	6.3
82.5°	0.7	1.0	1.2	1.9	2.2	2.2	2.9	3.1	3.6	3.9	3.9
85°	0.2	0.5	0.5	0.7	1.2	1.4	1.7	1.9	2.2	2.2	2.4
87.5°	0.2	0.2	0.0	0.2	0.5	0.5	1.0	1.0	1.0	1.4	1.4
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: P246024

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	493.3	493.3	493.3	493.3	493.3	493.3	493.3
2.5°	489.0	489.2	488.3	488.0	487.6	487.8	488.3
5°	480.1	480.3	479.4	478.4	478.4	478.2	478.4
7.5°	471.7	471.9	470.5	470.0	469.0	469.3	469.3
10°	463.2	463.2	461.1	460.8	460.1	459.9	459.9
12.5°	455.0	454.3	452.6	451.7	452.2	450.7	450.7
15°	447.8	446.6	444.4	443.7	442.5	442.0	442.0
17.5°	440.3	439.4	437.5	436.0	434.6	434.3	434.6
20°	433.1	432.2	429.7	428.8	427.6	427.6	427.1
22.5°	425.9	424.9	422.8	422.0	420.4	420.4	420.6
25°	418.4	417.7	415.3	414.8	414.6	413.6	414.1
27.5°	408.3	407.8	405.9	405.2	404.2	404.0	404.4
30°	389.8	389.0	387.6	386.9	385.2	385.4	385.9
32.5°	366.6	365.7	363.7	363.0	361.6	361.1	361.3
35°	337.7	337.0	335.3	335.3	333.9	333.4	333.9
37.5°	308.3	309.1	308.3	309.1	308.3	308.1	308.3
40°	280.6	283.3	283.8	286.4	285.5	286.9	286.7
42.5°	254.1	258.5	260.2	262.3	261.8	262.8	263.5
45°	227.4	231.0	232.7	234.1	234.4	234.9	235.1
47.5°	202.1	205.0	205.2	206.9	206.7	206.7	207.4
50°	178.5	180.4	180.9	182.1	181.1	180.7	180.9
52.5°	156.6	158.5	158.0	158.5	157.3	156.8	157.1
55°	134.2	135.1	135.1	135.1	133.7	133.7	133.7
57.5°	111.3	111.5	111.0	111.3	111.0	109.6	109.4
60°	90.3	90.3	90.1	90.3	89.6	88.9	88.9
62.5°	70.6	71.1	72.0	71.1	70.6	71.1	70.3
65°	52.8	53.7	53.5	54.0	53.7	53.7	53.2
67.5°	39.7	40.0	40.2	40.5	40.5	40.5	40.5
70°	29.2	29.9	29.6	29.6	29.6	29.6	31.1
72.5°	19.5	20.5	20.2	20.7	20.7	21.2	20.7
75°	13.2	14.2	13.7	14.5	14.2	13.7	14.9
77.5°	8.9	9.4	9.6	9.9	9.6	9.4	9.6
80°	6.3	6.7	6.5	6.7	6.7	6.7	7.0
82.5°	3.9	4.6	4.3	4.6	4.3	4.6	4.6
85°	2.6	2.9	2.4	2.9	2.6	2.6	3.1
87.5°	1.7	1.4	1.4	1.7	1.4	1.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)