

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: P245880

Luminaire Tested: **LD8B10D010 ER8B10930 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245880
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 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 871.0 lumens
Efficiency: N/A
Efficacy: 85.4 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

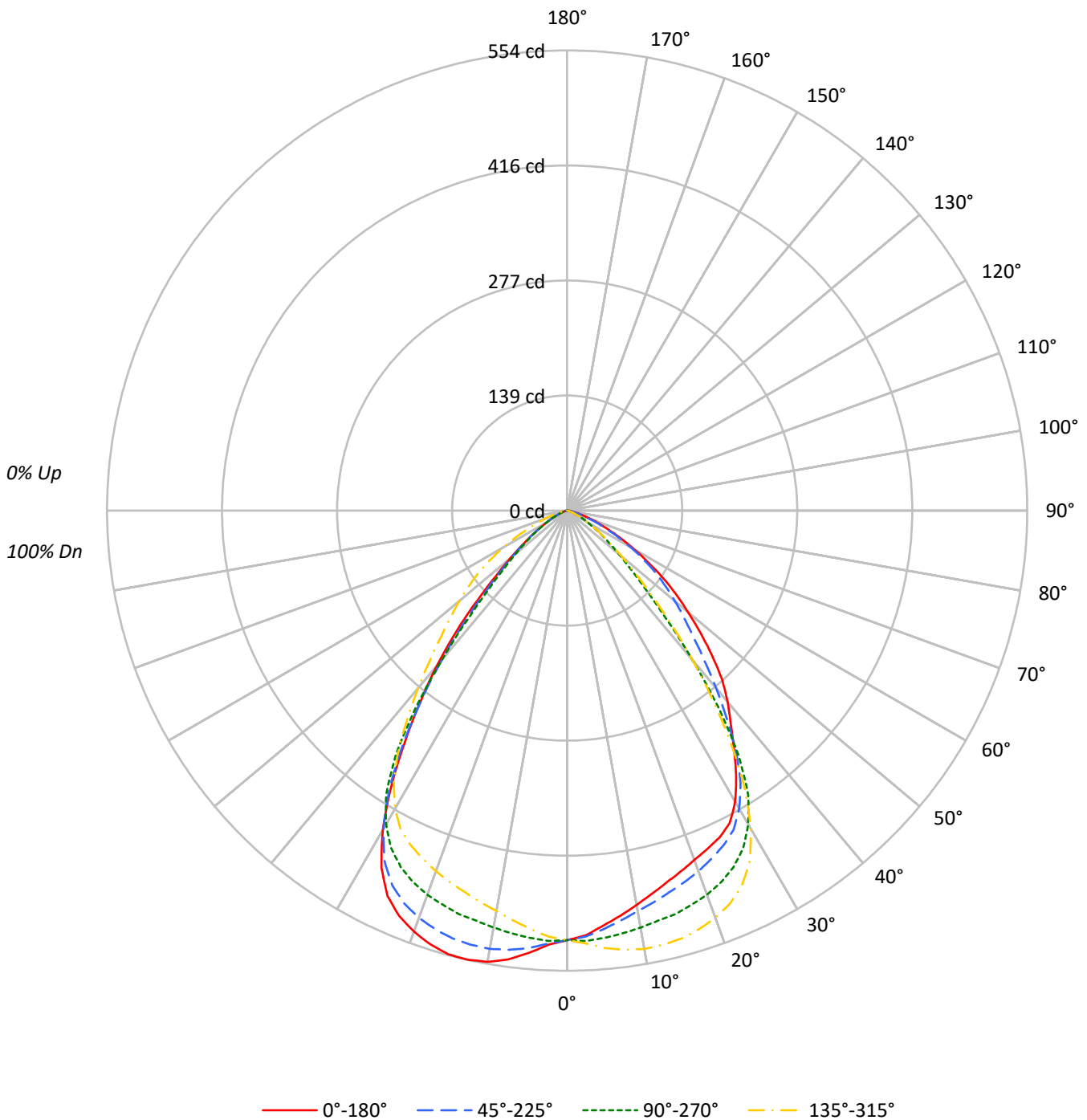
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	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°	49.2	5.7
10°-20°	142.5	16.4
20°-30°	215.8	24.8
30°-40°	216.3	24.8
40°-50°	135.8	15.6
50°-60°	72.4	8.3
60°-70°	29.8	3.4
70°-80°	7.9	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°	407.6	46.8
0°-40°	623.9	71.6
0°-60°	832.1	95.5
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	517	517	517	517	517	
5°	501	516	535	516	501	47
15°	463	503	553	503	463	131
25°	434	474	512	474	434	199
35°	350	360	341	360	350	219
45°	246	132	152	132	246	190
55°	140	49	52	49	140	125
65°	56	15	14	15	56	58
75°	16	3	3	3	16	18
85°	3	0	0	0	3	4
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°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	511.8	511.3	511.1	511.5	511.8	512.9	512.5	513.1	513.1	513.3	513.9
5°	501.4	501.2	501.4	501.4	502.4	503.4	503.2	504.0	504.4	505.7	506.2
7.5°	491.9	491.9	491.6	492.6	493.1	494.6	494.4	495.6	496.4	497.6	499.4
10°	482.0	482.0	482.3	483.0	483.3	485.5	485.5	487.3	488.3	489.5	491.9
12.5°	472.4	472.4	474.0	473.4	474.4	476.2	477.0	478.7	480.2	482.7	485.1
15°	463.3	463.3	463.9	465.1	465.9	468.1	469.4	471.4	473.2	475.6	479.0
17.5°	455.5	455.2	455.5	457.0	458.5	460.5	461.5	464.1	465.9	469.1	472.2
20°	447.6	448.2	448.2	449.4	450.4	453.0	454.0	456.8	458.8	461.9	465.3
22.5°	440.9	440.6	440.6	442.3	443.1	445.4	446.4	449.0	451.2	453.7	457.0
25°	434.1	433.5	434.5	434.8	435.3	437.9	438.5	440.3	442.6	444.9	448.2
27.5°	424.0	423.4	423.6	424.6	425.4	427.4	428.0	429.7	431.5	433.5	436.3
30°	404.5	404.0	403.8	405.5	406.3	407.8	408.5	411.5	412.1	414.3	416.3
32.5°	378.7	378.4	379.0	380.5	381.3	383.3	384.3	386.1	387.3	388.5	390.6
35°	350.0	349.4	350.0	351.4	351.4	353.2	354.0	354.8	354.5	354.8	354.2
37.5°	323.2	323.0	323.2	324.0	323.2	324.0	323.2	321.7	318.9	315.9	312.9
40°	300.4	300.8	299.2	300.2	297.4	297.0	294.2	290.3	284.8	278.8	270.2
42.5°	276.2	275.4	274.4	275.0	272.7	270.9	266.3	261.5	254.5	244.4	234.1
45°	246.4	246.2	245.7	245.4	243.9	242.1	238.3	232.8	225.0	214.7	202.2
47.5°	217.4	216.7	216.7	216.9	215.1	214.9	211.9	207.0	200.2	190.1	177.2
50°	189.6	189.3	189.9	190.9	189.6	189.1	187.1	183.8	177.8	169.2	157.1
52.5°	164.7	164.3	164.9	166.1	165.6	166.1	164.1	161.6	157.5	149.2	138.7
55°	140.1	140.1	140.1	141.7	141.7	141.7	140.7	139.1	135.3	129.3	119.4
57.5°	114.7	114.9	116.4	116.7	116.4	116.9	116.7	115.1	112.7	108.3	100.8
60°	93.2	93.2	93.9	94.7	94.4	94.7	94.7	93.9	91.4	87.9	81.8
62.5°	73.8	74.4	74.0	74.4	75.4	74.4	74.0	73.4	71.7	69.4	64.3
65°	55.8	56.3	56.3	56.6	56.0	56.3	55.3	54.6	53.6	51.0	47.8
67.5°	42.4	42.4	42.4	42.4	42.1	41.9	41.7	40.9	39.1	38.1	34.6
70°	32.6	31.1	31.1	31.1	31.1	31.3	30.6	29.6	29.0	27.2	24.8
72.5°	21.7	22.2	21.7	21.7	21.2	21.4	20.4	20.0	19.4	18.4	16.9
75°	15.7	14.3	14.9	15.1	14.3	14.9	13.9	12.9	12.9	12.1	11.3
77.5°	10.1	9.9	10.1	10.3	10.1	9.9	9.3	8.9	8.9	8.6	7.8
80°	7.3	7.1	7.1	7.1	6.8	7.1	6.6	6.6	6.1	5.8	5.3
82.5°	4.8	4.8	4.6	4.8	4.6	4.8	4.0	4.0	4.0	3.8	3.3
85°	3.3	2.8	2.8	3.0	2.6	3.0	2.8	2.6	2.2	2.2	2.0
87.5°	1.6	1.8	1.6	1.8	1.6	1.6	1.8	1.6	1.6	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



TEST NUMBER: P245880

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	514.5	514.8	514.8	515.9	516.3	516.6	516.6	518.6	517.9	518.4	518.9
5°	507.3	508.7	509.3	509.3	512.1	513.1	514.1	516.3	516.6	518.1	519.9
7.5°	500.2	502.0	503.0	505.2	507.0	508.7	511.8	513.3	514.8	516.9	519.1
10°	493.4	495.4	497.4	499.2	502.0	504.2	506.2	509.7	511.5	514.3	517.3
12.5°	486.9	489.5	491.3	494.4	497.4	499.4	502.4	505.7	508.5	511.3	514.8
15°	481.0	484.3	486.3	489.5	492.9	495.6	499.0	503.0	505.0	508.3	511.5
17.5°	474.6	478.2	480.8	483.7	487.9	490.9	493.6	497.6	500.2	503.7	507.5
20°	468.1	471.6	474.6	477.7	481.8	484.7	488.1	492.1	494.9	498.4	501.4
22.5°	460.3	463.5	466.9	470.4	474.4	477.0	480.8	484.3	487.3	490.5	493.6
25°	450.2	454.2	456.8	460.1	463.3	466.1	470.1	473.6	476.2	479.2	482.0
27.5°	438.3	441.3	443.4	446.2	449.4	452.0	455.0	458.5	461.1	463.9	465.9
30°	418.1	420.9	422.6	424.6	428.0	430.2	432.8	436.1	437.9	439.9	441.6
32.5°	391.6	393.9	394.9	396.4	398.6	401.0	403.0	405.8	406.5	407.8	407.8
35°	353.2	353.8	353.5	354.0	355.0	356.3	358.0	359.8	360.8	360.8	360.1
37.5°	308.3	305.2	302.0	299.4	298.7	298.2	299.2	300.0	301.0	301.4	300.2
40°	261.5	254.8	247.4	240.9	236.3	234.3	233.5	234.1	234.1	235.9	235.9
42.5°	221.4	210.9	200.0	190.1	183.5	178.5	176.2	176.2	176.4	177.8	178.5
45°	188.1	174.8	162.1	151.2	142.1	135.5	132.5	131.8	131.6	132.1	133.8
47.5°	162.7	148.8	135.5	122.2	112.7	106.0	103.2	102.2	101.2	102.2	102.5
50°	142.7	128.2	114.3	101.0	90.9	85.1	81.5	80.0	79.8	79.8	80.3
52.5°	124.4	111.1	97.2	83.6	73.0	67.4	64.1	63.3	62.3	63.3	63.3
55°	107.3	93.9	80.3	67.4	58.6	52.8	49.8	48.8	48.2	49.0	49.0
57.5°	88.7	77.2	64.7	53.0	44.2	40.1	37.9	36.7	36.3	36.9	36.3
60°	72.8	63.1	52.2	41.7	34.9	30.6	28.8	28.2	27.8	28.2	28.2
62.5°	57.6	49.4	40.7	32.6	26.8	23.8	21.7	21.7	21.4	21.4	21.7
65°	42.7	36.3	30.0	23.2	18.7	16.4	14.9	14.9	14.7	14.9	14.7
67.5°	31.1	26.8	21.7	16.9	13.3	12.1	11.1	10.3	10.9	10.3	10.1
70°	22.8	19.2	15.7	12.9	10.3	9.1	8.3	8.1	7.6	7.6	7.6
72.5°	15.1	12.9	10.6	8.3	6.8	5.6	5.3	4.8	4.3	4.6	5.0
75°	10.1	8.6	7.6	6.1	4.6	4.6	3.0	3.0	2.6	3.0	2.2
77.5°	7.1	5.8	4.6	3.8	3.0	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.0	4.3	3.3	2.8	2.0	2.0	1.8	1.6	1.2	1.2	1.6
82.5°	3.0	2.2	2.2	2.0	1.2	1.0	0.8	1.0	0.6	0.6	0.6
85°	1.8	1.6	1.2	0.8	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	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: P245880

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	520.1	519.9	520.4	520.4	521.9	521.6	522.4	522.4	521.9	522.2	523.2
5°	521.9	522.6	524.2	525.4	527.7	528.7	530.0	531.2	531.5	532.3	533.0
7.5°	521.9	524.4	526.2	528.4	531.5	533.3	536.1	538.3	539.3	540.5	542.1
10°	520.9	523.4	526.6	529.2	533.0	535.7	538.5	542.1	543.6	545.6	547.6
12.5°	518.9	521.6	525.2	528.4	532.7	535.3	538.8	542.1	544.4	547.2	549.4
15°	515.9	519.1	522.4	525.6	530.2	533.3	536.5	540.3	542.6	545.6	547.6
17.5°	511.1	514.5	517.6	520.6	525.0	528.4	531.5	535.1	537.3	539.9	542.6
20°	505.2	508.5	511.8	514.3	518.6	521.6	525.0	528.2	530.0	530.5	534.8
22.5°	497.9	500.2	502.7	506.7	509.3	512.1	515.1	518.1	519.9	522.6	524.2
25°	485.7	488.1	490.9	492.6	495.6	497.9	501.0	504.2	505.2	507.3	508.7
27.5°	468.9	470.1	471.4	472.9	474.6	476.0	477.7	479.2	480.2	481.2	482.3
30°	442.1	442.1	442.1	441.1	441.9	442.6	442.9	442.6	442.6	442.3	442.3
32.5°	406.8	404.8	402.4	400.4	399.6	398.6	398.2	397.4	396.2	395.4	395.6
35°	359.1	354.5	351.8	349.2	347.2	345.6	344.9	344.1	343.9	342.9	341.9
37.5°	299.4	296.2	294.2	292.6	290.9	289.3	289.6	289.9	290.6	290.1	290.3
40°	236.3	235.5	236.3	234.5	234.1	234.5	235.9	237.7	238.5	239.6	241.4
42.5°	179.8	181.0	182.8	182.8	183.5	184.6	186.1	188.9	190.3	192.1	194.2
45°	135.3	136.9	139.1	139.9	140.3	141.7	143.4	145.7	146.7	148.2	150.0
47.5°	104.3	105.3	106.5	107.8	109.1	109.6	111.3	111.3	112.7	113.7	114.1
50°	81.3	82.3	83.3	84.1	84.6	85.3	85.9	86.7	86.9	87.3	87.7
52.5°	63.7	64.9	64.9	65.4	66.1	66.9	66.7	66.9	67.1	67.1	67.9
55°	49.8	49.8	50.4	50.4	51.0	50.8	51.0	51.0	51.0	51.0	51.2
57.5°	37.1	37.3	38.1	37.7	37.3	37.9	37.3	37.9	37.7	38.1	37.3
60°	28.5	28.5	28.8	28.8	29.0	29.0	29.0	28.8	28.8	28.5	28.5
62.5°	21.4	21.7	22.0	21.7	21.7	21.7	21.4	21.4	21.2	21.0	21.0
65°	14.3	14.1	14.7	14.1	14.3	14.3	14.1	14.3	13.7	13.9	13.7
67.5°	10.3	10.1	9.9	10.1	9.9	9.6	9.6	9.9	10.1	9.3	9.3
70°	6.8	7.1	6.8	7.1	7.3	7.3	7.1	6.8	7.1	6.6	6.8
72.5°	4.3	4.3	4.3	4.3	4.3	4.6	4.6	4.6	4.0	4.0	3.8
75°	2.0	2.8	2.2	2.0	2.8	2.8	2.6	2.6	2.2	2.2	2.2
77.5°	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.2	1.6	1.2
80°	1.0	1.0	1.0	0.8	1.0	1.0	1.2	1.0	1.0	0.8	1.2
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: P245880

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	522.9	522.6	522.9	523.2	522.9	522.6	522.9	523.2	522.2	521.9	522.4
5°	534.0	534.0	534.5	534.8	534.5	534.0	534.0	533.0	532.3	531.5	531.2
7.5°	543.6	544.1	544.6	544.9	544.6	544.1	543.6	542.1	540.5	539.3	538.3
10°	549.4	550.2	551.2	551.6	551.2	550.2	549.4	547.6	545.6	543.6	542.1
12.5°	552.0	552.7	554.0	553.7	554.0	552.7	552.0	549.4	547.2	544.4	542.1
15°	550.2	551.2	552.4	553.0	552.4	551.2	550.2	547.6	545.6	542.6	540.3
17.5°	544.6	546.2	546.9	547.6	546.9	546.2	544.6	542.6	539.9	537.3	535.1
20°	537.1	538.1	539.1	539.3	539.1	538.1	537.1	534.8	530.5	530.0	528.2
22.5°	526.2	527.0	529.2	528.4	529.2	527.0	526.2	524.2	522.6	519.9	518.1
25°	510.5	511.3	511.5	511.8	511.5	511.3	510.5	508.7	507.3	505.2	504.2
27.5°	483.5	483.5	484.0	484.3	484.0	483.5	483.5	482.3	481.2	480.2	479.2
30°	442.6	442.6	442.6	443.9	442.6	442.6	442.6	442.3	442.3	442.6	442.6
32.5°	395.4	394.9	394.4	394.9	394.4	394.9	395.4	395.6	395.4	396.2	397.4
35°	341.9	341.6	342.4	341.3	342.4	341.6	341.9	341.9	342.9	343.9	344.1
37.5°	290.6	290.1	291.1	290.1	291.1	290.1	290.6	290.3	290.1	290.6	289.9
40°	241.9	242.4	242.4	244.4	242.4	242.4	241.9	241.4	239.6	238.5	237.7
42.5°	195.2	196.7	196.2	197.7	196.2	196.7	195.2	194.2	192.1	190.3	188.9
45°	151.0	152.0	152.0	152.5	152.0	152.0	151.0	150.0	148.2	146.7	145.7
47.5°	115.9	115.9	115.9	116.1	115.9	115.9	115.9	114.1	113.7	112.7	111.3
50°	88.1	88.3	88.7	88.9	88.7	88.3	88.1	87.7	87.3	86.9	86.7
52.5°	67.7	67.9	67.4	67.9	67.4	67.9	67.7	67.9	67.1	67.1	66.9
55°	51.2	51.0	51.2	51.5	51.2	51.0	51.2	51.2	51.0	51.0	51.0
57.5°	37.7	37.1	37.1	37.1	37.1	37.1	37.7	37.3	38.1	37.7	37.9
60°	28.0	28.2	28.2	28.5	28.2	28.2	28.0	28.5	28.5	28.8	28.8
62.5°	20.7	21.4	21.0	21.4	21.0	21.4	20.7	21.0	21.0	21.2	21.4
65°	13.3	13.3	13.3	13.7	13.3	13.3	13.3	13.7	13.9	13.7	14.3
67.5°	9.1	9.3	9.9	9.6	9.9	9.3	9.1	9.3	9.3	10.1	9.9
70°	7.3	6.6	6.6	7.3	6.6	6.6	7.3	6.8	6.6	7.1	6.8
72.5°	4.3	3.8	4.3	4.3	4.3	3.8	4.3	3.8	4.0	4.0	4.6
75°	2.2	2.0	1.8	2.6	1.8	2.0	2.2	2.2	2.2	2.2	2.6
77.5°	1.6	1.2	1.8	1.8	1.8	1.2	1.6	1.2	1.6	1.2	1.6
80°	0.8	1.0	0.8	1.2	0.8	1.0	0.8	1.2	0.8	1.0	1.0
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: P245880

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	522.4	521.6	521.9	520.4	520.4	519.9	520.1	518.9	518.4	517.9	518.6
5°	530.0	528.7	527.7	525.4	524.2	522.6	521.9	519.9	518.1	516.6	516.3
7.5°	536.1	533.3	531.5	528.4	526.2	524.4	521.9	519.1	516.9	514.8	513.3
10°	538.5	535.7	533.0	529.2	526.6	523.4	520.9	517.3	514.3	511.5	509.7
12.5°	538.8	535.3	532.7	528.4	525.2	521.6	518.9	514.8	511.3	508.5	505.7
15°	536.5	533.3	530.2	525.6	522.4	519.1	515.9	511.5	508.3	505.0	503.0
17.5°	531.5	528.4	525.0	520.6	517.6	514.5	511.1	507.5	503.7	500.2	497.6
20°	525.0	521.6	518.6	514.3	511.8	508.5	505.2	501.4	498.4	494.9	492.1
22.5°	515.1	512.1	509.3	506.7	502.7	500.2	497.9	493.6	490.5	487.3	484.3
25°	501.0	497.9	495.6	492.6	490.9	488.1	485.7	482.0	479.2	476.2	473.6
27.5°	477.7	476.0	474.6	472.9	471.4	470.1	468.9	465.9	463.9	461.1	458.5
30°	442.9	442.6	441.9	441.1	442.1	442.1	442.1	441.6	439.9	437.9	436.1
32.5°	398.2	398.6	399.6	400.4	402.4	404.8	406.8	407.8	407.8	406.5	405.8
35°	344.9	345.6	347.2	349.2	351.8	354.5	359.1	360.1	360.8	360.8	359.8
37.5°	289.6	289.3	290.9	292.6	294.2	296.2	299.4	300.2	301.4	301.0	300.0
40°	235.9	234.5	234.1	234.5	236.3	235.5	236.3	235.9	235.9	234.1	234.1
42.5°	186.1	184.6	183.5	182.8	182.8	181.0	179.8	178.5	177.8	176.4	176.2
45°	143.4	141.7	140.3	139.9	139.1	136.9	135.3	133.8	132.1	131.6	131.8
47.5°	111.3	109.6	109.1	107.8	106.5	105.3	104.3	102.5	102.2	101.2	102.2
50°	85.9	85.3	84.6	84.1	83.3	82.3	81.3	80.3	79.8	79.8	80.0
52.5°	66.7	66.9	66.1	65.4	64.9	64.9	63.7	63.3	63.3	62.3	63.3
55°	51.0	50.8	51.0	50.4	50.4	49.8	49.8	49.0	49.0	48.2	48.8
57.5°	37.3	37.9	37.3	37.7	38.1	37.3	37.1	36.3	36.9	36.3	36.7
60°	29.0	29.0	29.0	28.8	28.8	28.5	28.5	28.2	28.2	27.8	28.2
62.5°	21.4	21.7	21.7	21.7	22.0	21.7	21.4	21.7	21.4	21.4	21.7
65°	14.1	14.3	14.3	14.1	14.7	14.1	14.3	14.7	14.9	14.7	14.9
67.5°	9.6	9.6	9.9	10.1	9.9	10.1	10.3	10.1	10.3	10.9	10.3
70°	7.1	7.3	7.3	7.1	6.8	7.1	6.8	7.6	7.6	7.6	8.1
72.5°	4.6	4.6	4.3	4.3	4.3	4.3	4.3	5.0	4.6	4.3	4.8
75°	2.6	2.8	2.8	2.0	2.2	2.8	2.0	2.2	3.0	2.6	3.0
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	1.8	1.8	1.8	2.0
80°	1.2	1.0	1.0	0.8	1.0	1.0	1.0	1.6	1.2	1.2	1.6
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.0
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	0.6	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: P245880

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	516.6	516.6	516.3	515.9	514.8	514.8	514.5	513.9	513.3	513.1	513.1
5°	514.1	513.1	512.1	509.3	509.3	508.7	507.3	506.2	505.7	504.4	504.0
7.5°	511.8	508.7	507.0	505.2	503.0	502.0	500.2	499.4	497.6	496.4	495.6
10°	506.2	504.2	502.0	499.2	497.4	495.4	493.4	491.9	489.5	488.3	487.3
12.5°	502.4	499.4	497.4	494.4	491.3	489.5	486.9	485.1	482.7	480.2	478.7
15°	499.0	495.6	492.9	489.5	486.3	484.3	481.0	479.0	475.6	473.2	471.4
17.5°	493.6	490.9	487.9	483.7	480.8	478.2	474.6	472.2	469.1	465.9	464.1
20°	488.1	484.7	481.8	477.7	474.6	471.6	468.1	465.3	461.9	458.8	456.8
22.5°	480.8	477.0	474.4	470.4	466.9	463.5	460.3	457.0	453.7	451.2	449.0
25°	470.1	466.1	463.3	460.1	456.8	454.2	450.2	448.2	444.9	442.6	440.3
27.5°	455.0	452.0	449.4	446.2	443.4	441.3	438.3	436.3	433.5	431.5	429.7
30°	432.8	430.2	428.0	424.6	422.6	420.9	418.1	416.3	414.3	412.1	411.5
32.5°	403.0	401.0	398.6	396.4	394.9	393.9	391.6	390.6	388.5	387.3	386.1
35°	358.0	356.3	355.0	354.0	353.5	353.8	353.2	354.2	354.8	354.5	354.8
37.5°	299.2	298.2	298.7	299.4	302.0	305.2	308.3	312.9	315.9	318.9	321.7
40°	233.5	234.3	236.3	240.9	247.4	254.8	261.5	270.2	278.8	284.8	290.3
42.5°	176.2	178.5	183.5	190.1	200.0	210.9	221.4	234.1	244.4	254.5	261.5
45°	132.5	135.5	142.1	151.2	162.1	174.8	188.1	202.2	214.7	225.0	232.8
47.5°	103.2	106.0	112.7	122.2	135.5	148.8	162.7	177.2	190.1	200.2	207.0
50°	81.5	85.1	90.9	101.0	114.3	128.2	142.7	157.1	169.2	177.8	183.8
52.5°	64.1	67.4	73.0	83.6	97.2	111.1	124.4	138.7	149.2	157.5	161.6
55°	49.8	52.8	58.6	67.4	80.3	93.9	107.3	119.4	129.3	135.3	139.1
57.5°	37.9	40.1	44.2	53.0	64.7	77.2	88.7	100.8	108.3	112.7	115.1
60°	28.8	30.6	34.9	41.7	52.2	63.1	72.8	81.8	87.9	91.4	93.9
62.5°	21.7	23.8	26.8	32.6	40.7	49.4	57.6	64.3	69.4	71.7	73.4
65°	14.9	16.4	18.7	23.2	30.0	36.3	42.7	47.8	51.0	53.6	54.6
67.5°	11.1	12.1	13.3	16.9	21.7	26.8	31.1	34.6	38.1	39.1	40.9
70°	8.3	9.1	10.3	12.9	15.7	19.2	22.8	24.8	27.2	29.0	29.6
72.5°	5.3	5.6	6.8	8.3	10.6	12.9	15.1	16.9	18.4	19.4	20.0
75°	3.0	4.6	4.6	6.1	7.6	8.6	10.1	11.3	12.1	12.9	12.9
77.5°	2.0	2.8	3.0	3.8	4.6	5.8	7.1	7.8	8.6	8.9	8.9
80°	1.8	2.0	2.0	2.8	3.3	4.3	5.0	5.3	5.8	6.1	6.6
82.5°	0.8	1.0	1.2	2.0	2.2	2.2	3.0	3.3	3.8	4.0	4.0
85°	0.2	0.6	0.6	0.8	1.2	1.6	1.8	2.0	2.2	2.2	2.6
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.0	1.0	1.0	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: P245880

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	512.5	512.9	511.8	511.5	511.1	511.3	511.8
5°	503.2	503.4	502.4	501.4	501.4	501.2	501.4
7.5°	494.4	494.6	493.1	492.6	491.6	491.9	491.9
10°	485.5	485.5	483.3	483.0	482.3	482.0	482.0
12.5°	477.0	476.2	474.4	473.4	474.0	472.4	472.4
15°	469.4	468.1	465.9	465.1	463.9	463.3	463.3
17.5°	461.5	460.5	458.5	457.0	455.5	455.2	455.5
20°	454.0	453.0	450.4	449.4	448.2	448.2	447.6
22.5°	446.4	445.4	443.1	442.3	440.6	440.6	440.9
25°	438.5	437.9	435.3	434.8	434.5	433.5	434.1
27.5°	428.0	427.4	425.4	424.6	423.6	423.4	424.0
30°	408.5	407.8	406.3	405.5	403.8	404.0	404.5
32.5°	384.3	383.3	381.3	380.5	379.0	378.4	378.7
35°	354.0	353.2	351.4	351.4	350.0	349.4	350.0
37.5°	323.2	324.0	323.2	324.0	323.2	323.0	323.2
40°	294.2	297.0	297.4	300.2	299.2	300.8	300.4
42.5°	266.3	270.9	272.7	275.0	274.4	275.4	276.2
45°	238.3	242.1	243.9	245.4	245.7	246.2	246.4
47.5°	211.9	214.9	215.1	216.9	216.7	216.7	217.4
50°	187.1	189.1	189.6	190.9	189.9	189.3	189.6
52.5°	164.1	166.1	165.6	166.1	164.9	164.3	164.7
55°	140.7	141.7	141.7	141.7	140.1	140.1	140.1
57.5°	116.7	116.9	116.4	116.7	116.4	114.9	114.7
60°	94.7	94.7	94.4	94.7	93.9	93.2	93.2
62.5°	74.0	74.4	75.4	74.4	74.0	74.4	73.8
65°	55.3	56.3	56.0	56.6	56.3	56.3	55.8
67.5°	41.7	41.9	42.1	42.4	42.4	42.4	42.4
70°	30.6	31.3	31.1	31.1	31.1	31.1	32.6
72.5°	20.4	21.4	21.2	21.7	21.7	22.2	21.7
75°	13.9	14.9	14.3	15.1	14.9	14.3	15.7
77.5°	9.3	9.9	10.1	10.3	10.1	9.9	10.1
80°	6.6	7.1	6.8	7.1	7.1	7.1	7.3
82.5°	4.0	4.8	4.6	4.8	4.6	4.8	4.8
85°	2.8	3.0	2.6	3.0	2.8	2.8	3.3
87.5°	1.8	1.6	1.6	1.8	1.6	1.8	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)