

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: P244584

Luminaire Tested: **LD8B10D010 ER8B109730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244584
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 82.4 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

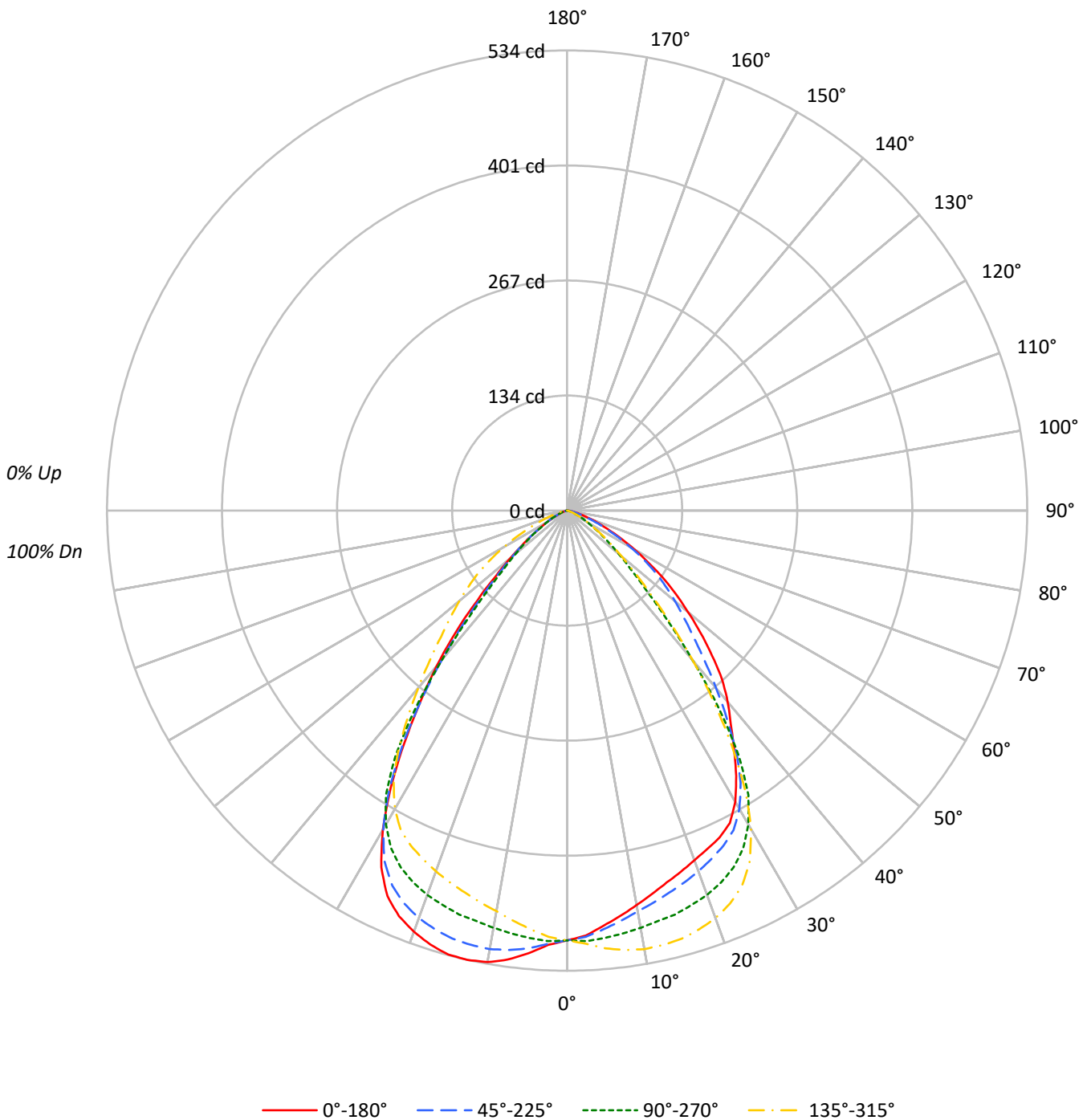
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	47.5	5.7
10°-20°	137.5	16.4
20°-30°	208.1	24.8
30°-40°	208.6	24.8
40°-50°	131.0	15.6
50°-60°	69.8	8.3
60°-70°	28.7	3.4
70°-80°	7.6	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°	393.0	46.8
0°-40°	601.6	71.6
0°-60°	802.4	95.5
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	499	499	499	499	499	
5°	484	498	516	498	484	46
15°	447	485	533	485	447	126
25°	419	457	494	457	419	192
35°	338	347	329	347	338	211
45°	238	127	147	127	238	183
55°	135	47	50	47	135	120
65°	54	14	13	14	54	56
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°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	493.6	493.1	492.8	493.3	493.6	494.5	494.3	494.8	494.8	495.0	495.5
5°	483.6	483.3	483.6	483.6	484.6	485.5	485.3	486.0	486.5	487.7	488.2
7.5°	474.3	474.3	474.1	475.1	475.5	477.0	476.8	478.0	478.7	479.9	481.6
10°	464.8	464.8	465.1	465.8	466.1	468.2	468.2	469.9	470.9	472.1	474.3
12.5°	455.6	455.6	457.0	456.6	457.5	459.2	460.0	461.7	463.1	465.6	467.8
15°	446.8	446.8	447.3	448.5	449.3	451.4	452.7	454.6	456.3	458.8	461.9
17.5°	439.3	439.0	439.3	440.7	442.2	444.1	445.1	447.5	449.3	452.4	455.3
20°	431.7	432.2	432.2	433.4	434.4	436.8	437.8	440.5	442.4	445.4	448.8
22.5°	425.1	424.9	424.9	426.6	427.3	429.5	430.5	432.9	435.1	437.6	440.7
25°	418.6	418.1	419.1	419.3	419.8	422.2	423.0	424.7	426.8	429.0	432.2
27.5°	408.8	408.3	408.6	409.6	410.3	412.2	412.7	414.4	416.1	418.1	420.8
30°	390.1	389.6	389.4	391.1	391.8	393.2	394.0	396.9	397.4	399.6	401.5
32.5°	365.2	365.0	365.5	366.9	367.7	369.6	370.6	372.3	373.5	374.7	376.7
35°	337.5	337.0	337.5	339.0	339.0	340.7	341.4	342.1	341.9	342.1	341.6
37.5°	311.7	311.4	311.7	312.4	311.7	312.4	311.7	310.2	307.5	304.6	301.7
40°	289.8	290.0	288.5	289.5	286.8	286.4	283.7	280.0	274.7	268.8	260.5
42.5°	266.4	265.7	264.7	265.2	263.0	261.3	256.9	252.3	245.4	235.7	225.7
45°	237.7	237.4	236.9	236.7	235.2	233.5	229.9	224.5	217.0	207.0	195.0
47.5°	209.7	208.9	208.9	209.2	207.5	207.2	204.3	199.7	193.1	183.4	170.9
50°	182.9	182.6	183.1	184.1	182.9	182.4	180.4	177.3	171.4	163.1	151.5
52.5°	158.8	158.5	159.0	160.2	159.7	160.2	158.3	155.8	151.9	143.9	133.7
55°	135.1	135.1	135.1	136.6	136.6	136.6	135.6	134.2	130.5	124.7	115.2
57.5°	110.5	110.8	112.3	112.5	112.3	112.7	112.5	111.0	108.6	104.5	97.2
60°	89.9	89.9	90.6	91.3	91.1	91.3	91.3	90.6	88.1	84.7	78.9
62.5°	71.1	71.8	71.3	71.8	72.8	71.8	71.3	70.9	69.2	67.0	62.1
65°	53.8	54.3	54.3	54.5	54.1	54.3	53.3	52.6	51.6	49.2	46.0
67.5°	40.9	40.9	40.9	40.9	40.7	40.4	40.2	39.4	37.7	36.8	33.4
70°	31.4	29.9	29.9	29.9	29.9	30.2	29.5	28.5	28.0	26.3	23.9
72.5°	20.9	21.4	20.9	20.9	20.5	20.7	19.7	19.2	18.8	17.8	16.3
75°	15.1	13.9	14.4	14.6	13.9	14.4	13.4	12.4	12.4	11.7	11.0
77.5°	9.7	9.5	9.7	10.0	9.7	9.5	9.0	8.5	8.5	8.3	7.5
80°	7.1	6.8	6.8	6.8	6.6	6.8	6.3	6.3	5.8	5.6	5.1
82.5°	4.6	4.6	4.4	4.6	4.4	4.6	3.9	3.9	3.9	3.6	3.2
85°	3.2	2.7	2.7	2.9	2.4	2.9	2.7	2.4	2.2	2.2	1.9
87.5°	1.5	1.7	1.5	1.7	1.5	1.5	1.7	1.5	1.5	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°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	496.2	496.5	496.5	497.5	497.9	498.2	498.2	500.1	499.4	499.9	500.4
5°	489.2	490.6	491.1	491.1	493.8	494.8	495.8	497.9	498.2	499.7	501.4
7.5°	482.4	484.1	485.1	487.2	488.9	490.6	493.6	495.0	496.5	498.4	500.6
10°	475.8	477.7	479.7	481.4	484.1	486.3	488.2	491.6	493.3	496.0	498.9
12.5°	469.5	472.1	473.8	476.8	479.7	481.6	484.6	487.7	490.4	493.1	496.5
15°	463.9	467.0	469.0	472.1	475.3	478.0	481.2	485.1	487.0	490.2	493.3
17.5°	457.8	461.2	463.6	466.5	470.4	473.4	476.0	479.9	482.4	485.8	489.4
20°	451.4	454.9	457.8	460.7	464.6	467.5	470.7	474.6	477.3	480.7	483.6
22.5°	443.9	447.1	450.2	453.6	457.5	460.0	463.6	467.0	469.9	473.1	476.0
25°	434.2	438.1	440.5	443.6	446.8	449.5	453.4	456.8	459.2	462.2	464.8
27.5°	422.7	425.6	427.6	430.3	433.4	435.9	438.8	442.2	444.6	447.3	449.3
30°	403.2	405.9	407.6	409.6	412.7	414.9	417.4	420.5	422.2	424.2	425.9
32.5°	377.7	379.9	380.8	382.3	384.5	386.7	388.6	391.3	392.0	393.2	393.2
35°	340.7	341.1	340.9	341.4	342.4	343.6	345.3	347.0	348.0	348.0	347.2
37.5°	297.3	294.4	291.2	288.8	288.1	287.6	288.5	289.3	290.3	290.7	289.5
40°	252.3	245.7	238.6	232.3	227.9	226.0	225.2	225.7	225.7	227.4	227.4
42.5°	213.6	203.3	192.9	183.4	177.0	172.2	170.0	170.0	170.2	171.4	172.2
45°	181.4	168.5	156.3	145.9	137.1	130.8	127.8	127.1	126.9	127.3	129.1
47.5°	156.8	143.4	130.8	117.9	108.6	102.3	99.6	98.6	97.6	98.6	98.9
50°	137.6	123.7	110.3	97.4	87.7	82.1	78.6	77.2	76.9	76.9	77.4
52.5°	120.0	107.1	93.8	80.6	70.4	65.0	61.8	61.1	60.1	61.1	61.1
55°	103.5	90.6	77.4	65.0	56.5	50.9	48.0	47.0	46.5	47.2	47.2
57.5°	85.5	74.5	62.3	51.1	42.6	38.7	36.5	35.3	35.1	35.5	35.1
60°	70.1	60.9	50.4	40.2	33.6	29.5	27.8	27.3	26.8	27.3	27.3
62.5°	55.5	47.7	39.2	31.4	25.8	22.9	20.9	20.9	20.7	20.7	20.9
65°	41.2	35.1	29.0	22.4	18.0	15.8	14.4	14.4	14.1	14.4	14.1
67.5°	29.9	25.8	20.9	16.3	12.9	11.7	10.7	10.0	10.5	10.0	9.7
70°	21.9	18.5	15.1	12.4	10.0	8.8	8.0	7.8	7.3	7.3	7.3
72.5°	14.6	12.4	10.2	8.0	6.6	5.4	5.1	4.6	4.1	4.4	4.9
75°	9.7	8.3	7.3	5.8	4.4	4.4	2.9	2.9	2.4	2.9	2.2
77.5°	6.8	5.6	4.4	3.6	2.9	2.7	1.9	1.9	1.7	1.7	1.7
80°	4.9	4.1	3.2	2.7	1.9	1.9	1.7	1.5	1.2	1.2	1.5
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	1.5	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°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	501.6	501.4	501.8	501.8	503.3	503.1	503.8	503.8	503.3	503.6	504.5
5°	503.3	504.0	505.5	506.7	508.9	509.9	511.1	512.3	512.6	513.3	514.0
7.5°	503.3	505.7	507.5	509.6	512.6	514.3	516.9	519.1	520.1	521.3	522.8
10°	502.3	504.8	507.9	510.4	514.0	516.7	519.4	522.8	524.2	526.2	528.1
12.5°	500.4	503.1	506.5	509.6	513.8	516.2	519.6	522.8	525.0	527.7	529.9
15°	497.5	500.6	503.8	507.0	511.3	514.3	517.4	521.1	523.3	526.2	528.1
17.5°	492.8	496.2	499.2	502.1	506.2	509.6	512.6	516.0	518.2	520.6	523.3
20°	487.2	490.4	493.6	496.0	500.1	503.1	506.2	509.4	511.1	511.6	515.7
22.5°	480.2	482.4	484.8	488.7	491.1	493.8	496.7	499.7	501.4	504.0	505.5
25°	468.5	470.7	473.4	475.1	478.0	480.2	483.1	486.3	487.2	489.2	490.6
27.5°	452.2	453.4	454.6	456.1	457.8	459.0	460.7	462.2	463.1	464.1	465.1
30°	426.4	426.4	426.4	425.4	426.1	426.8	427.1	426.8	426.8	426.6	426.6
32.5°	392.3	390.3	388.1	386.2	385.5	384.5	384.0	383.3	382.0	381.3	381.6
35°	346.2	341.9	339.2	336.8	334.8	333.3	332.6	331.9	331.6	330.7	329.7
37.5°	288.8	285.6	283.7	282.2	280.5	279.0	279.3	279.5	280.3	279.8	280.0
40°	227.9	227.2	227.9	226.2	225.7	226.2	227.4	229.1	230.1	231.1	232.8
42.5°	173.4	174.6	176.3	176.3	177.0	178.0	179.5	182.1	183.6	185.3	187.3
45°	130.5	132.0	134.2	134.9	135.4	136.6	138.3	140.5	141.5	142.9	144.6
47.5°	100.6	101.5	102.8	104.0	105.2	105.7	107.4	107.4	108.6	109.6	110.1
50°	78.4	79.4	80.4	81.1	81.6	82.3	82.8	83.5	83.8	84.2	84.5
52.5°	61.4	62.6	62.6	63.1	63.8	64.5	64.3	64.5	64.8	64.8	65.5
55°	48.0	48.0	48.7	48.7	49.2	48.9	49.2	49.2	49.2	49.2	49.4
57.5°	35.8	36.0	36.8	36.3	36.0	36.5	36.0	36.5	36.3	36.8	36.0
60°	27.5	27.5	27.8	27.8	28.0	28.0	28.0	27.8	27.8	27.5	27.5
62.5°	20.7	20.9	21.2	20.9	20.9	20.9	20.7	20.7	20.5	20.2	20.2
65°	13.9	13.6	14.1	13.6	13.9	13.9	13.6	13.9	13.1	13.4	13.1
67.5°	10.0	9.7	9.5	9.7	9.5	9.3	9.3	9.5	9.7	9.0	9.0
70°	6.6	6.8	6.6	6.8	7.1	7.1	6.8	6.6	6.8	6.3	6.6
72.5°	4.1	4.1	4.1	4.1	4.1	4.4	4.4	4.4	3.9	3.9	3.6
75°	1.9	2.7	2.2	1.9	2.7	2.7	2.4	2.4	2.2	2.2	2.2
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.5	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°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	504.3	504.0	504.3	504.5	504.3	504.0	504.3	504.5	503.6	503.3	503.8
5°	515.0	515.0	515.5	515.7	515.5	515.0	515.0	514.0	513.3	512.6	512.3
7.5°	524.2	524.7	525.2	525.5	525.2	524.7	524.2	522.8	521.3	520.1	519.1
10°	529.9	530.6	531.6	532.0	531.6	530.6	529.9	528.1	526.2	524.2	522.8
12.5°	532.3	533.0	534.2	534.0	534.2	533.0	532.3	529.9	527.7	525.0	522.8
15°	530.6	531.6	532.8	533.3	532.8	531.6	530.6	528.1	526.2	523.3	521.1
17.5°	525.2	526.7	527.4	528.1	527.4	526.7	525.2	523.3	520.6	518.2	516.0
20°	517.9	518.9	519.9	520.1	519.9	518.9	517.9	515.7	511.6	511.1	509.4
22.5°	507.5	508.2	510.4	509.6	510.4	508.2	507.5	505.5	504.0	501.4	499.7
25°	492.3	493.1	493.3	493.6	493.3	493.1	492.3	490.6	489.2	487.2	486.3
27.5°	466.3	466.3	466.8	467.0	466.8	466.3	466.3	465.1	464.1	463.1	462.2
30°	426.8	426.8	426.8	428.1	426.8	426.8	426.8	426.6	426.6	426.8	426.8
32.5°	381.3	380.8	380.3	380.8	380.3	380.8	381.3	381.6	381.3	382.0	383.3
35°	329.7	329.5	330.2	329.2	330.2	329.5	329.7	329.7	330.7	331.6	331.9
37.5°	280.3	279.8	280.8	279.8	280.8	279.8	280.3	280.0	279.8	280.3	279.5
40°	233.3	233.8	233.8	235.7	233.8	233.8	233.3	232.8	231.1	230.1	229.1
42.5°	188.2	189.7	189.2	190.7	189.2	189.7	188.2	187.3	185.3	183.6	182.1
45°	145.6	146.6	146.6	147.1	146.6	146.6	145.6	144.6	142.9	141.5	140.5
47.5°	111.8	111.8	111.8	112.0	111.8	111.8	111.8	110.1	109.6	108.6	107.4
50°	85.0	85.2	85.5	85.7	85.5	85.2	85.0	84.5	84.2	83.8	83.5
52.5°	65.3	65.5	65.0	65.5	65.0	65.5	65.3	65.5	64.8	64.8	64.5
55°	49.4	49.2	49.4	49.7	49.4	49.2	49.4	49.4	49.2	49.2	49.2
57.5°	36.3	35.8	35.8	35.8	35.8	35.8	36.3	36.0	36.8	36.3	36.5
60°	27.0	27.3	27.3	27.5	27.3	27.3	27.0	27.5	27.5	27.8	27.8
62.5°	20.0	20.7	20.2	20.7	20.2	20.7	20.0	20.2	20.2	20.5	20.7
65°	12.9	12.9	12.9	13.1	12.9	12.9	12.9	13.1	13.4	13.1	13.9
67.5°	8.8	9.0	9.5	9.3	9.5	9.0	8.8	9.0	9.0	9.7	9.5
70°	7.1	6.3	6.3	7.1	6.3	6.3	7.1	6.6	6.3	6.8	6.6
72.5°	4.1	3.6	4.1	4.1	4.1	3.6	4.1	3.6	3.9	3.9	4.4
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°	1.5	1.2	1.7	1.7	1.7	1.2	1.5	1.2	1.5	1.2	1.5
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: P244584

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	503.8	503.1	503.3	501.8	501.8	501.4	501.6	500.4	499.9	499.4	500.1
5°	511.1	509.9	508.9	506.7	505.5	504.0	503.3	501.4	499.7	498.2	497.9
7.5°	516.9	514.3	512.6	509.6	507.5	505.7	503.3	500.6	498.4	496.5	495.0
10°	519.4	516.7	514.0	510.4	507.9	504.8	502.3	498.9	496.0	493.3	491.6
12.5°	519.6	516.2	513.8	509.6	506.5	503.1	500.4	496.5	493.1	490.4	487.7
15°	517.4	514.3	511.3	507.0	503.8	500.6	497.5	493.3	490.2	487.0	485.1
17.5°	512.6	509.6	506.2	502.1	499.2	496.2	492.8	489.4	485.8	482.4	479.9
20°	506.2	503.1	500.1	496.0	493.6	490.4	487.2	483.6	480.7	477.3	474.6
22.5°	496.7	493.8	491.1	488.7	484.8	482.4	480.2	476.0	473.1	469.9	467.0
25°	483.1	480.2	478.0	475.1	473.4	470.7	468.5	464.8	462.2	459.2	456.8
27.5°	460.7	459.0	457.8	456.1	454.6	453.4	452.2	449.3	447.3	444.6	442.2
30°	427.1	426.8	426.1	425.4	426.4	426.4	426.4	425.9	424.2	422.2	420.5
32.5°	384.0	384.5	385.5	386.2	388.1	390.3	392.3	393.2	393.2	392.0	391.3
35°	332.6	333.3	334.8	336.8	339.2	341.9	346.2	347.2	348.0	348.0	347.0
37.5°	279.3	279.0	280.5	282.2	283.7	285.6	288.8	289.5	290.7	290.3	289.3
40°	227.4	226.2	225.7	226.2	227.9	227.2	227.9	227.4	227.4	225.7	225.7
42.5°	179.5	178.0	177.0	176.3	176.3	174.6	173.4	172.2	171.4	170.2	170.0
45°	138.3	136.6	135.4	134.9	134.2	132.0	130.5	129.1	127.3	126.9	127.1
47.5°	107.4	105.7	105.2	104.0	102.8	101.5	100.6	98.9	98.6	97.6	98.6
50°	82.8	82.3	81.6	81.1	80.4	79.4	78.4	77.4	76.9	76.9	77.2
52.5°	64.3	64.5	63.8	63.1	62.6	62.6	61.4	61.1	61.1	60.1	61.1
55°	49.2	48.9	49.2	48.7	48.7	48.0	48.0	47.2	47.2	46.5	47.0
57.5°	36.0	36.5	36.0	36.3	36.8	36.0	35.8	35.1	35.5	35.1	35.3
60°	28.0	28.0	28.0	27.8	27.8	27.5	27.5	27.3	27.3	26.8	27.3
62.5°	20.7	20.9	20.9	20.9	21.2	20.9	20.7	20.9	20.7	20.7	20.9
65°	13.6	13.9	13.9	13.6	14.1	13.6	13.9	14.1	14.4	14.1	14.4
67.5°	9.3	9.3	9.5	9.7	9.5	9.7	10.0	9.7	10.0	10.5	10.0
70°	6.8	7.1	7.1	6.8	6.6	6.8	6.6	7.3	7.3	7.3	7.8
72.5°	4.4	4.4	4.1	4.1	4.1	4.1	4.1	4.9	4.4	4.1	4.6
75°	2.4	2.7	2.7	1.9	2.2	2.7	1.9	2.2	2.9	2.4	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	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	1.5	1.2	1.2	1.5
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: P244584

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	498.2	498.2	497.9	497.5	496.5	496.5	496.2	495.5	495.0	494.8	494.8
5°	495.8	494.8	493.8	491.1	491.1	490.6	489.2	488.2	487.7	486.5	486.0
7.5°	493.6	490.6	488.9	487.2	485.1	484.1	482.4	481.6	479.9	478.7	478.0
10°	488.2	486.3	484.1	481.4	479.7	477.7	475.8	474.3	472.1	470.9	469.9
12.5°	484.6	481.6	479.7	476.8	473.8	472.1	469.5	467.8	465.6	463.1	461.7
15°	481.2	478.0	475.3	472.1	469.0	467.0	463.9	461.9	458.8	456.3	454.6
17.5°	476.0	473.4	470.4	466.5	463.6	461.2	457.8	455.3	452.4	449.3	447.5
20°	470.7	467.5	464.6	460.7	457.8	454.9	451.4	448.8	445.4	442.4	440.5
22.5°	463.6	460.0	457.5	453.6	450.2	447.1	443.9	440.7	437.6	435.1	432.9
25°	453.4	449.5	446.8	443.6	440.5	438.1	434.2	432.2	429.0	426.8	424.7
27.5°	438.8	435.9	433.4	430.3	427.6	425.6	422.7	420.8	418.1	416.1	414.4
30°	417.4	414.9	412.7	409.6	407.6	405.9	403.2	401.5	399.6	397.4	396.9
32.5°	388.6	386.7	384.5	382.3	380.8	379.9	377.7	376.7	374.7	373.5	372.3
35°	345.3	343.6	342.4	341.4	340.9	341.1	340.7	341.6	342.1	341.9	342.1
37.5°	288.5	287.6	288.1	288.8	291.2	294.4	297.3	301.7	304.6	307.5	310.2
40°	225.2	226.0	227.9	232.3	238.6	245.7	252.3	260.5	268.8	274.7	280.0
42.5°	170.0	172.2	177.0	183.4	192.9	203.3	213.6	225.7	235.7	245.4	252.3
45°	127.8	130.8	137.1	145.9	156.3	168.5	181.4	195.0	207.0	217.0	224.5
47.5°	99.6	102.3	108.6	117.9	130.8	143.4	156.8	170.9	183.4	193.1	199.7
50°	78.6	82.1	87.7	97.4	110.3	123.7	137.6	151.5	163.1	171.4	177.3
52.5°	61.8	65.0	70.4	80.6	93.8	107.1	120.0	133.7	143.9	151.9	155.8
55°	48.0	50.9	56.5	65.0	77.4	90.6	103.5	115.2	124.7	130.5	134.2
57.5°	36.5	38.7	42.6	51.1	62.3	74.5	85.5	97.2	104.5	108.6	111.0
60°	27.8	29.5	33.6	40.2	50.4	60.9	70.1	78.9	84.7	88.1	90.6
62.5°	20.9	22.9	25.8	31.4	39.2	47.7	55.5	62.1	67.0	69.2	70.9
65°	14.4	15.8	18.0	22.4	29.0	35.1	41.2	46.0	49.2	51.6	52.6
67.5°	10.7	11.7	12.9	16.3	20.9	25.8	29.9	33.4	36.8	37.7	39.4
70°	8.0	8.8	10.0	12.4	15.1	18.5	21.9	23.9	26.3	28.0	28.5
72.5°	5.1	5.4	6.6	8.0	10.2	12.4	14.6	16.3	17.8	18.8	19.2
75°	2.9	4.4	4.4	5.8	7.3	8.3	9.7	11.0	11.7	12.4	12.4
77.5°	1.9	2.7	2.9	3.6	4.4	5.6	6.8	7.5	8.3	8.5	8.5
80°	1.7	1.9	1.9	2.7	3.2	4.1	4.9	5.1	5.6	5.8	6.3
82.5°	0.7	1.0	1.2	1.9	2.2	2.2	2.9	3.2	3.6	3.9	3.9
85°	0.2	0.5	0.5	0.7	1.2	1.5	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	1.5	1.5
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: P244584

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	498.7	498.7	498.7	498.7	498.7	498.7	498.7
2.5°	494.3	494.5	493.6	493.3	492.8	493.1	493.6
5°	485.3	485.5	484.6	483.6	483.6	483.3	483.6
7.5°	476.8	477.0	475.5	475.1	474.1	474.3	474.3
10°	468.2	468.2	466.1	465.8	465.1	464.8	464.8
12.5°	460.0	459.2	457.5	456.6	457.0	455.6	455.6
15°	452.7	451.4	449.3	448.5	447.3	446.8	446.8
17.5°	445.1	444.1	442.2	440.7	439.3	439.0	439.3
20°	437.8	436.8	434.4	433.4	432.2	432.2	431.7
22.5°	430.5	429.5	427.3	426.6	424.9	424.9	425.1
25°	423.0	422.2	419.8	419.3	419.1	418.1	418.6
27.5°	412.7	412.2	410.3	409.6	408.6	408.3	408.8
30°	394.0	393.2	391.8	391.1	389.4	389.6	390.1
32.5°	370.6	369.6	367.7	366.9	365.5	365.0	365.2
35°	341.4	340.7	339.0	339.0	337.5	337.0	337.5
37.5°	311.7	312.4	311.7	312.4	311.7	311.4	311.7
40°	283.7	286.4	286.8	289.5	288.5	290.0	289.8
42.5°	256.9	261.3	263.0	265.2	264.7	265.7	266.4
45°	229.9	233.5	235.2	236.7	236.9	237.4	237.7
47.5°	204.3	207.2	207.5	209.2	208.9	208.9	209.7
50°	180.4	182.4	182.9	184.1	183.1	182.6	182.9
52.5°	158.3	160.2	159.7	160.2	159.0	158.5	158.8
55°	135.6	136.6	136.6	136.6	135.1	135.1	135.1
57.5°	112.5	112.7	112.3	112.5	112.3	110.8	110.5
60°	91.3	91.3	91.1	91.3	90.6	89.9	89.9
62.5°	71.3	71.8	72.8	71.8	71.3	71.8	71.1
65°	53.3	54.3	54.1	54.5	54.3	54.3	53.8
67.5°	40.2	40.4	40.7	40.9	40.9	40.9	40.9
70°	29.5	30.2	29.9	29.9	29.9	29.9	31.4
72.5°	19.7	20.7	20.5	20.9	20.9	21.4	20.9
75°	13.4	14.4	13.9	14.6	14.4	13.9	15.1
77.5°	9.0	9.5	9.7	10.0	9.7	9.5	9.7
80°	6.3	6.8	6.6	6.8	6.8	6.8	7.1
82.5°	3.9	4.6	4.4	4.6	4.4	4.6	4.6
85°	2.7	2.9	2.4	2.9	2.7	2.7	3.2
87.5°	1.7	1.5	1.5	1.7	1.5	1.7	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)