

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: P246012

Luminaire Tested: **LD8B10D010 ER8B10950 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246012  
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 ER8B10950 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1040.0 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

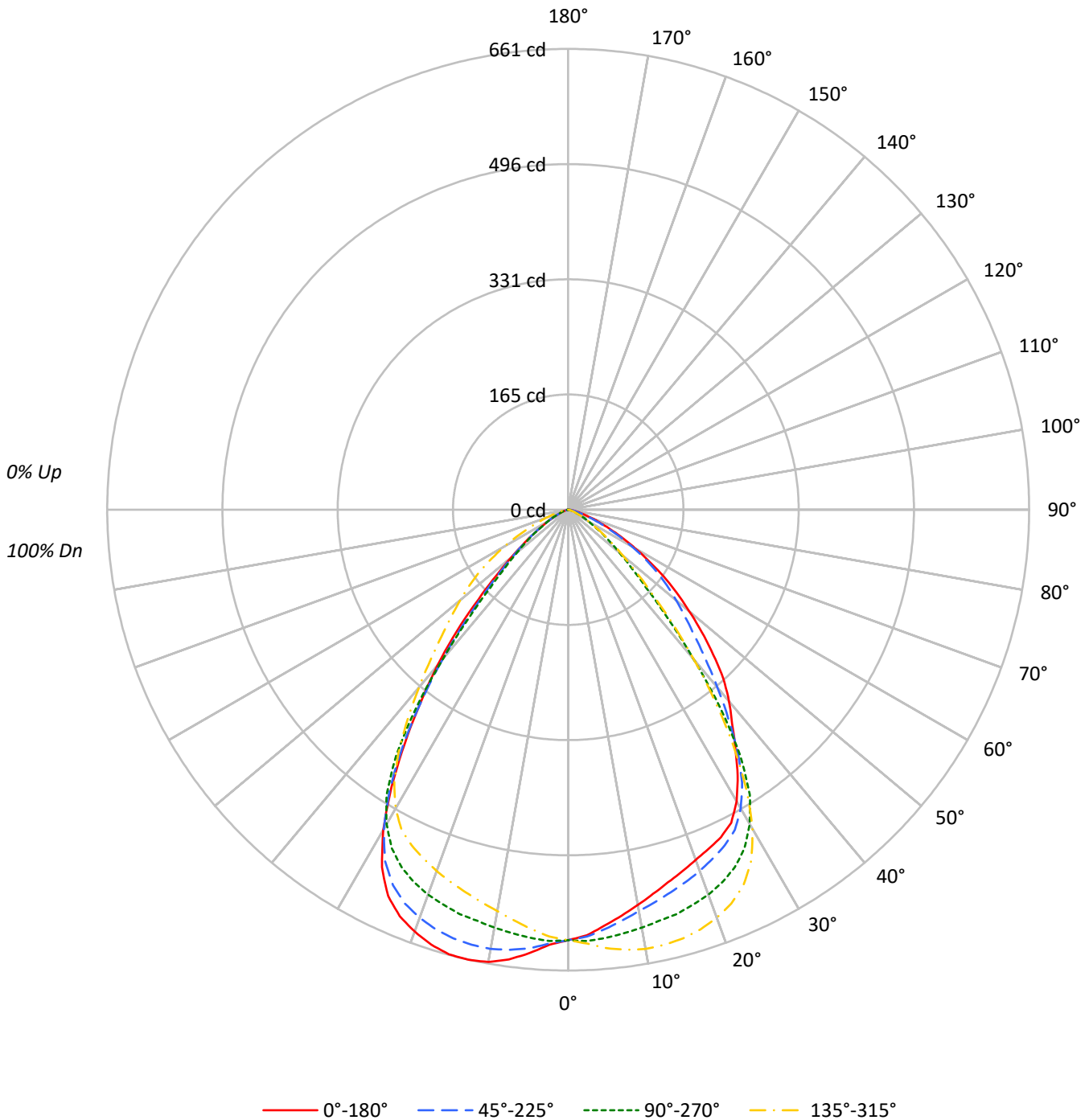
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	19038	19038	19038	19038
5°	18532	19083	19764	19083
10°	18020	19060	20625	19060
15°	17660	19170	21076	19170
20°	17540	19282	21130	19282
25°	17631	19244	20792	19244
30°	17198	18537	18872	18537
35°	15728	16172	15344	16172
40°	14443	11251	11746	11251
45°	12830	6864	7941	6864
50°	10861	4586	5090	4586
55°	8994	3129	3306	3129
60°	6858	2085	2103	2085
65°	4859	1299	1189	1299
70°	3507	866	784	866
75°	2228	429	357	429
80°	1545	320	266	320
85°	1380	0	106	0



TEST NUMBER: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	5.7
10°-20°	170.2	16.4
20°-30°	257.7	24.8
30°-40°	258.3	24.8
40°-50°	162.2	15.6
50°-60°	86.4	8.3
60°-70°	35.5	3.4
70°-80°	9.4	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°	486.6	46.8
0°-40°	744.9	71.6
0°-60°	993.5	95.5
0°-90°	1040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	617	617	617	617	617	
5°	599	616	638	616	599	56
15°	553	600	660	600	553	156
25°	518	566	611	566	518	238
35°	418	430	408	430	418	262
45°	294	157	182	157	294	226
55°	167	58	62	58	167	149
65°	67	18	16	18	67	69
75°	19	4	3	4	19	21
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



TEST NUMBER: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	611.1	610.5	610.2	610.8	611.1	612.3	612.0	612.6	612.6	612.9	613.5
5°	598.7	598.4	598.7	598.7	599.9	601.1	600.8	601.7	602.3	603.9	604.4
7.5°	587.3	587.3	587.0	588.2	588.8	590.6	590.3	591.8	592.7	594.2	596.3
10°	575.5	575.5	575.8	576.7	577.0	579.7	579.7	581.8	583.0	584.6	587.3
12.5°	564.1	564.1	565.9	565.3	566.5	568.6	569.5	571.6	573.4	576.4	579.1
15°	553.2	553.2	553.8	555.3	556.2	558.9	560.4	562.9	565.0	568.0	571.9
17.5°	543.9	543.6	543.9	545.7	547.5	549.9	551.1	554.1	556.2	560.1	563.8
20°	534.5	535.1	535.1	536.6	537.8	540.8	542.0	545.4	547.8	551.4	555.6
22.5°	526.4	526.1	526.1	528.2	529.1	531.8	533.0	536.0	538.7	541.7	545.7
25°	518.2	517.6	518.8	519.1	519.7	522.7	523.7	525.8	528.5	531.2	535.1
27.5°	506.2	505.6	505.9	507.1	508.0	510.4	511.0	513.1	515.2	517.6	520.9
30°	483.0	482.4	482.1	484.2	485.1	486.9	487.8	491.4	492.0	494.7	497.1
32.5°	452.2	451.9	452.5	454.3	455.2	457.6	458.8	461.0	462.5	464.0	466.4
35°	417.8	417.2	417.8	419.7	419.7	421.8	422.7	423.6	423.3	423.6	423.0
37.5°	385.9	385.6	385.9	386.8	385.9	386.8	385.9	384.1	380.8	377.1	373.5
40°	358.8	359.1	357.3	358.5	355.1	354.5	351.2	346.7	340.1	332.8	322.6
42.5°	329.8	328.9	327.7	328.3	325.6	323.5	318.1	312.3	303.9	291.8	279.5
45°	294.2	293.9	293.3	293.0	291.2	289.1	284.6	278.0	268.6	256.3	241.5
47.5°	259.6	258.7	258.7	259.0	256.9	256.6	252.9	247.2	239.1	227.0	211.6
50°	226.4	226.1	226.7	227.9	226.4	225.8	223.4	219.5	212.2	202.0	187.5
52.5°	196.6	196.3	196.9	198.4	197.8	198.4	196.0	192.9	188.1	178.2	165.5
55°	167.3	167.3	167.3	169.1	169.1	169.1	167.9	166.1	161.6	154.4	142.6
57.5°	136.9	137.2	139.0	139.3	139.0	139.6	139.3	137.5	134.5	129.3	120.3
60°	111.2	111.2	112.2	113.1	112.7	113.1	113.1	112.2	109.1	104.9	97.7
62.5°	88.0	88.9	88.3	88.9	90.1	88.9	88.3	87.7	85.6	82.9	76.9
65°	66.6	67.2	67.2	67.5	66.9	67.2	66.0	65.1	63.9	60.9	57.0
67.5°	50.7	50.7	50.7	50.7	50.3	50.0	49.7	48.8	46.7	45.5	41.3
70°	38.9	37.1	37.1	37.1	37.1	37.4	36.5	35.3	34.7	32.6	29.5
72.5°	25.9	26.5	25.9	25.9	25.3	25.6	24.4	23.8	23.2	22.0	20.2
75°	18.7	17.2	17.8	18.1	17.2	17.8	16.6	15.4	15.4	14.5	13.6
77.5°	12.1	11.8	12.1	12.4	12.1	11.8	11.2	10.5	10.5	10.2	9.3
80°	8.7	8.4	8.4	8.4	8.1	8.4	7.8	7.8	7.2	6.9	6.3
82.5°	5.7	5.7	5.4	5.7	5.4	5.7	4.8	4.8	4.8	4.5	3.9
85°	3.9	3.3	3.3	3.6	3.0	3.6	3.3	3.0	2.7	2.7	2.4
87.5°	1.8	2.1	1.8	2.1	1.8	1.8	2.1	1.8	1.8	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: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	614.4	614.7	614.7	615.9	616.5	616.8	616.8	619.2	618.3	618.9	619.5
5°	605.7	607.5	608.1	608.1	611.4	612.6	613.8	616.5	616.8	618.6	620.7
7.5°	597.2	599.3	600.5	603.2	605.4	607.5	611.1	612.9	614.7	617.1	619.8
10°	589.1	591.5	593.9	596.0	599.3	602.0	604.4	608.7	610.8	614.1	617.7
12.5°	581.2	584.6	586.7	590.3	593.9	596.3	599.9	603.9	607.2	610.5	614.7
15°	574.3	578.2	580.6	584.6	588.5	591.8	595.7	600.5	602.9	606.9	610.8
17.5°	566.8	571.0	574.0	577.6	582.4	586.1	589.4	594.2	597.2	601.4	606.0
20°	558.9	563.2	566.8	570.4	575.2	578.8	582.7	587.6	590.9	595.1	598.7
22.5°	549.6	553.5	557.4	561.6	566.5	569.5	574.0	578.2	581.8	585.8	589.4
25°	537.5	542.4	545.4	549.3	553.2	556.5	561.3	565.6	568.6	572.2	575.5
27.5°	523.4	527.0	529.4	532.7	536.6	539.6	543.2	547.5	550.5	553.8	556.2
30°	499.2	502.6	504.7	507.1	511.0	513.7	516.7	520.6	522.7	525.2	527.3
32.5°	467.6	470.3	471.5	473.3	476.0	478.7	481.2	484.5	485.4	486.9	486.9
35°	421.8	422.4	422.1	422.7	423.9	425.4	427.5	429.6	430.8	430.8	429.9
37.5°	368.1	364.5	360.6	357.5	356.6	356.0	357.3	358.1	359.4	360.0	358.5
40°	312.3	304.2	295.4	287.6	282.2	279.8	278.9	279.5	279.5	281.6	281.6
42.5°	264.4	251.7	238.8	227.0	219.2	213.1	210.4	210.4	210.7	212.2	213.1
45°	224.6	208.6	193.5	180.6	169.7	161.9	158.3	157.4	157.1	157.7	159.8
47.5°	194.1	177.6	161.9	145.9	134.5	126.6	123.3	122.1	120.9	122.1	122.4
50°	170.3	153.2	136.6	120.6	108.5	101.6	97.4	95.6	95.3	95.3	95.9
52.5°	148.6	132.7	116.1	99.8	87.1	80.5	76.6	75.7	74.5	75.7	75.7
55°	128.1	112.2	95.9	80.5	69.9	63.0	59.4	58.2	57.6	58.5	58.5
57.5°	105.8	92.2	77.2	63.3	52.8	47.9	45.2	43.7	43.4	44.0	43.4
60°	86.8	75.4	62.4	49.7	41.6	36.5	34.4	33.8	33.2	33.8	33.8
62.5°	68.7	59.1	48.5	38.9	32.0	28.3	25.9	25.9	25.6	25.6	25.9
65°	51.0	43.4	35.9	27.7	22.3	19.6	17.8	17.8	17.5	17.8	17.5
67.5°	37.1	32.0	25.9	20.2	16.0	14.5	13.3	12.4	13.0	12.4	12.1
70°	27.1	22.9	18.7	15.4	12.4	10.9	10.0	9.6	9.0	9.0	9.0
72.5°	18.1	15.4	12.7	10.0	8.1	6.6	6.3	5.7	5.1	5.4	6.0
75°	12.1	10.2	9.0	7.2	5.4	5.4	3.6	3.6	3.0	3.6	2.7
77.5°	8.4	6.9	5.4	4.5	3.6	3.3	2.4	2.4	2.1	2.1	2.1
80°	6.0	5.1	3.9	3.3	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.6	2.7	2.7	2.4	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.1	1.8	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: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	621.0	620.7	621.3	621.3	623.1	622.8	623.7	623.7	623.1	623.4	624.6
5°	623.1	624.1	625.9	627.4	630.1	631.3	632.8	634.3	634.6	635.5	636.4
7.5°	623.1	626.2	628.3	631.0	634.6	636.7	640.0	642.7	643.9	645.4	647.3
10°	621.9	624.9	628.9	631.9	636.4	639.7	643.0	647.3	649.1	651.5	653.9
12.5°	619.5	622.8	627.1	631.0	636.1	639.1	643.3	647.3	650.0	653.3	656.0
15°	615.9	619.8	623.7	627.7	633.1	636.7	640.6	645.1	647.9	651.5	653.9
17.5°	610.2	614.4	618.0	621.6	626.8	631.0	634.6	638.8	641.5	644.6	647.9
20°	603.2	607.2	611.1	614.1	619.2	622.8	626.8	630.7	632.8	633.4	638.5
22.5°	594.5	597.2	600.2	605.1	608.1	611.4	615.0	618.6	620.7	624.1	625.9
25°	580.0	582.7	586.1	588.2	591.8	594.5	598.1	602.0	603.2	605.7	607.5
27.5°	559.8	561.3	562.9	564.7	566.8	568.3	570.4	572.2	573.4	574.6	575.8
30°	527.9	527.9	527.9	526.7	527.6	528.5	528.8	528.5	528.5	528.2	528.2
32.5°	485.7	483.3	480.5	478.1	477.2	476.0	475.4	474.5	473.0	472.1	472.4
35°	428.7	423.3	420.0	416.9	414.5	412.7	411.8	410.9	410.6	409.4	408.2
37.5°	357.5	353.6	351.2	349.4	347.3	345.5	345.8	346.1	347.0	346.4	346.7
40°	282.2	281.3	282.2	280.1	279.5	280.1	281.6	283.7	284.9	286.1	288.2
42.5°	214.6	216.1	218.3	218.3	219.2	220.4	222.2	225.5	227.3	229.4	231.8
45°	161.6	163.4	166.1	167.0	167.6	169.1	171.2	173.9	175.2	177.0	179.1
47.5°	124.5	125.7	127.2	128.7	130.2	130.8	132.9	132.9	134.5	135.7	136.3
50°	97.1	98.3	99.5	100.4	101.0	101.9	102.5	103.4	103.7	104.3	104.6
52.5°	76.0	77.5	77.5	78.1	79.0	79.9	79.6	79.9	80.2	80.2	81.1
55°	59.4	59.4	60.3	60.3	60.9	60.6	60.9	60.9	60.9	60.9	61.2
57.5°	44.3	44.6	45.5	44.9	44.6	45.2	44.6	45.2	44.9	45.5	44.6
60°	34.1	34.1	34.4	34.4	34.7	34.7	34.7	34.4	34.4	34.1	34.1
62.5°	25.6	25.9	26.2	25.9	25.9	25.9	25.6	25.6	25.3	25.0	25.0
65°	17.2	16.9	17.5	16.9	17.2	17.2	16.9	17.2	16.3	16.6	16.3
67.5°	12.4	12.1	11.8	12.1	11.8	11.5	11.5	11.8	12.1	11.2	11.2
70°	8.1	8.4	8.1	8.4	8.7	8.7	8.4	8.1	8.4	7.8	8.1
72.5°	5.1	5.1	5.1	5.1	5.1	5.4	5.4	5.4	4.8	4.8	4.5
75°	2.4	3.3	2.7	2.4	3.3	3.3	3.0	3.0	2.7	2.7	2.7
77.5°	2.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.8	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: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	624.4	624.1	624.4	624.6	624.4	624.1	624.4	624.6	623.4	623.1	623.7
5°	637.6	637.6	638.2	638.5	638.2	637.6	637.6	636.4	635.5	634.6	634.3
7.5°	649.1	649.7	650.3	650.6	650.3	649.7	649.1	647.3	645.4	643.9	642.7
10°	656.0	656.9	658.1	658.7	658.1	656.9	656.0	653.9	651.5	649.1	647.3
12.5°	659.0	659.9	661.4	661.1	661.4	659.9	659.0	656.0	653.3	650.0	647.3
15°	656.9	658.1	659.6	660.2	659.6	658.1	656.9	653.9	651.5	647.9	645.1
17.5°	650.3	652.1	653.0	653.9	653.0	652.1	650.3	647.9	644.6	641.5	638.8
20°	641.2	642.4	643.6	643.9	643.6	642.4	641.2	638.5	633.4	632.8	630.7
22.5°	628.3	629.2	631.9	631.0	631.9	629.2	628.3	625.9	624.1	620.7	618.6
25°	609.6	610.5	610.8	611.1	610.8	610.5	609.6	607.5	605.7	603.2	602.0
27.5°	577.3	577.3	577.9	578.2	577.9	577.3	577.3	575.8	574.6	573.4	572.2
30°	528.5	528.5	528.5	530.0	528.5	528.5	528.5	528.2	528.2	528.5	528.5
32.5°	472.1	471.5	470.9	471.5	470.9	471.5	472.1	472.4	472.1	473.0	474.5
35°	408.2	407.9	408.8	407.6	408.8	407.9	408.2	408.2	409.4	410.6	410.9
37.5°	347.0	346.4	347.6	346.4	347.6	346.4	347.0	346.7	346.4	347.0	346.1
40°	288.8	289.4	289.4	291.8	289.4	289.4	288.8	288.2	286.1	284.9	283.7
42.5°	233.0	234.9	234.2	236.1	234.2	234.9	233.0	231.8	229.4	227.3	225.5
45°	180.3	181.5	181.5	182.1	181.5	181.5	180.3	179.1	177.0	175.2	173.9
47.5°	138.4	138.4	138.4	138.7	138.4	138.4	138.4	136.3	135.7	134.5	132.9
50°	105.2	105.5	105.8	106.1	105.8	105.5	105.2	104.6	104.3	103.7	103.4
52.5°	80.8	81.1	80.5	81.1	80.5	81.1	80.8	81.1	80.2	80.2	79.9
55°	61.2	60.9	61.2	61.5	61.2	60.9	61.2	61.2	60.9	60.9	60.9
57.5°	44.9	44.3	44.3	44.3	44.3	44.3	44.9	44.6	45.5	44.9	45.2
60°	33.5	33.8	33.8	34.1	33.8	33.8	33.5	34.1	34.1	34.4	34.4
62.5°	24.7	25.6	25.0	25.6	25.0	25.6	24.7	25.0	25.0	25.3	25.6
65°	16.0	16.0	16.0	16.3	16.0	16.0	16.0	16.3	16.6	16.3	17.2
67.5°	10.9	11.2	11.8	11.5	11.8	11.2	10.9	11.2	11.2	12.1	11.8
70°	8.7	7.8	7.8	8.7	7.8	7.8	8.7	8.1	7.8	8.4	8.1
72.5°	5.1	4.5	5.1	5.1	5.1	4.5	5.1	4.5	4.8	4.8	5.4
75°	2.7	2.4	2.1	3.0	2.1	2.4	2.7	2.7	2.7	2.7	3.0
77.5°	1.8	1.5	2.1	2.1	2.1	1.5	1.8	1.5	1.8	1.5	1.8
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: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	623.7	622.8	623.1	621.3	621.3	620.7	621.0	619.5	618.9	618.3	619.2
5°	632.8	631.3	630.1	627.4	625.9	624.1	623.1	620.7	618.6	616.8	616.5
7.5°	640.0	636.7	634.6	631.0	628.3	626.2	623.1	619.8	617.1	614.7	612.9
10°	643.0	639.7	636.4	631.9	628.9	624.9	621.9	617.7	614.1	610.8	608.7
12.5°	643.3	639.1	636.1	631.0	627.1	622.8	619.5	614.7	610.5	607.2	603.9
15°	640.6	636.7	633.1	627.7	623.7	619.8	615.9	610.8	606.9	602.9	600.5
17.5°	634.6	631.0	626.8	621.6	618.0	614.4	610.2	606.0	601.4	597.2	594.2
20°	626.8	622.8	619.2	614.1	611.1	607.2	603.2	598.7	595.1	590.9	587.6
22.5°	615.0	611.4	608.1	605.1	600.2	597.2	594.5	589.4	585.8	581.8	578.2
25°	598.1	594.5	591.8	588.2	586.1	582.7	580.0	575.5	572.2	568.6	565.6
27.5°	570.4	568.3	566.8	564.7	562.9	561.3	559.8	556.2	553.8	550.5	547.5
30°	528.8	528.5	527.6	526.7	527.9	527.9	527.9	527.3	525.2	522.7	520.6
32.5°	475.4	476.0	477.2	478.1	480.5	483.3	485.7	486.9	486.9	485.4	484.5
35°	411.8	412.7	414.5	416.9	420.0	423.3	428.7	429.9	430.8	430.8	429.6
37.5°	345.8	345.5	347.3	349.4	351.2	353.6	357.5	358.5	360.0	359.4	358.1
40°	281.6	280.1	279.5	280.1	282.2	281.3	282.2	281.6	281.6	279.5	279.5
42.5°	222.2	220.4	219.2	218.3	218.3	216.1	214.6	213.1	212.2	210.7	210.4
45°	171.2	169.1	167.6	167.0	166.1	163.4	161.6	159.8	157.7	157.1	157.4
47.5°	132.9	130.8	130.2	128.7	127.2	125.7	124.5	122.4	122.1	120.9	122.1
50°	102.5	101.9	101.0	100.4	99.5	98.3	97.1	95.9	95.3	95.3	95.6
52.5°	79.6	79.9	79.0	78.1	77.5	77.5	76.0	75.7	75.7	74.5	75.7
55°	60.9	60.6	60.9	60.3	60.3	59.4	59.4	58.5	58.5	57.6	58.2
57.5°	44.6	45.2	44.6	44.9	45.5	44.6	44.3	43.4	44.0	43.4	43.7
60°	34.7	34.7	34.7	34.4	34.4	34.1	34.1	33.8	33.8	33.2	33.8
62.5°	25.6	25.9	25.9	25.9	26.2	25.9	25.6	25.9	25.6	25.6	25.9
65°	16.9	17.2	17.2	16.9	17.5	16.9	17.2	17.5	17.8	17.5	17.8
67.5°	11.5	11.5	11.8	12.1	11.8	12.1	12.4	12.1	12.4	13.0	12.4
70°	8.4	8.7	8.7	8.4	8.1	8.4	8.1	9.0	9.0	9.0	9.6
72.5°	5.4	5.4	5.1	5.1	5.1	5.1	5.1	6.0	5.4	5.1	5.7
75°	3.0	3.3	3.3	2.4	2.7	3.3	2.4	2.7	3.6	3.0	3.6
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.1	2.1	2.1	2.4
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.8	1.5	1.5	1.8
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: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	616.8	616.8	616.5	615.9	614.7	614.7	614.4	613.5	612.9	612.6	612.6
5°	613.8	612.6	611.4	608.1	608.1	607.5	605.7	604.4	603.9	602.3	601.7
7.5°	611.1	607.5	605.4	603.2	600.5	599.3	597.2	596.3	594.2	592.7	591.8
10°	604.4	602.0	599.3	596.0	593.9	591.5	589.1	587.3	584.6	583.0	581.8
12.5°	599.9	596.3	593.9	590.3	586.7	584.6	581.2	579.1	576.4	573.4	571.6
15°	595.7	591.8	588.5	584.6	580.6	578.2	574.3	571.9	568.0	565.0	562.9
17.5°	589.4	586.1	582.4	577.6	574.0	571.0	566.8	563.8	560.1	556.2	554.1
20°	582.7	578.8	575.2	570.4	566.8	563.2	558.9	555.6	551.4	547.8	545.4
22.5°	574.0	569.5	566.5	561.6	557.4	553.5	549.6	545.7	541.7	538.7	536.0
25°	561.3	556.5	553.2	549.3	545.4	542.4	537.5	535.1	531.2	528.5	525.8
27.5°	543.2	539.6	536.6	532.7	529.4	527.0	523.4	520.9	517.6	515.2	513.1
30°	516.7	513.7	511.0	507.1	504.7	502.6	499.2	497.1	494.7	492.0	491.4
32.5°	481.2	478.7	476.0	473.3	471.5	470.3	467.6	466.4	464.0	462.5	461.0
35°	427.5	425.4	423.9	422.7	422.1	422.4	421.8	423.0	423.6	423.3	423.6
37.5°	357.3	356.0	356.6	357.5	360.6	364.5	368.1	373.5	377.1	380.8	384.1
40°	278.9	279.8	282.2	287.6	295.4	304.2	312.3	322.6	332.8	340.1	346.7
42.5°	210.4	213.1	219.2	227.0	238.8	251.7	264.4	279.5	291.8	303.9	312.3
45°	158.3	161.9	169.7	180.6	193.5	208.6	224.6	241.5	256.3	268.6	278.0
47.5°	123.3	126.6	134.5	145.9	161.9	177.6	194.1	211.6	227.0	239.1	247.2
50°	97.4	101.6	108.5	120.6	136.6	153.2	170.3	187.5	202.0	212.2	219.5
52.5°	76.6	80.5	87.1	99.8	116.1	132.7	148.6	165.5	178.2	188.1	192.9
55°	59.4	63.0	69.9	80.5	95.9	112.2	128.1	142.6	154.4	161.6	166.1
57.5°	45.2	47.9	52.8	63.3	77.2	92.2	105.8	120.3	129.3	134.5	137.5
60°	34.4	36.5	41.6	49.7	62.4	75.4	86.8	97.7	104.9	109.1	112.2
62.5°	25.9	28.3	32.0	38.9	48.5	59.1	68.7	76.9	82.9	85.6	87.7
65°	17.8	19.6	22.3	27.7	35.9	43.4	51.0	57.0	60.9	63.9	65.1
67.5°	13.3	14.5	16.0	20.2	25.9	32.0	37.1	41.3	45.5	46.7	48.8
70°	10.0	10.9	12.4	15.4	18.7	22.9	27.1	29.5	32.6	34.7	35.3
72.5°	6.3	6.6	8.1	10.0	12.7	15.4	18.1	20.2	22.0	23.2	23.8
75°	3.6	5.4	5.4	7.2	9.0	10.2	12.1	13.6	14.5	15.4	15.4
77.5°	2.4	3.3	3.6	4.5	5.4	6.9	8.4	9.3	10.2	10.5	10.5
80°	2.1	2.4	2.4	3.3	3.9	5.1	6.0	6.3	6.9	7.2	7.8
82.5°	0.9	1.2	1.5	2.4	2.7	2.7	3.6	3.9	4.5	4.8	4.8
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.1	2.4	2.7	2.7	3.0
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.8	1.8
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: P246012

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	612.0	612.3	611.1	610.8	610.2	610.5	611.1
5°	600.8	601.1	599.9	598.7	598.7	598.4	598.7
7.5°	590.3	590.6	588.8	588.2	587.0	587.3	587.3
10°	579.7	579.7	577.0	576.7	575.8	575.5	575.5
12.5°	569.5	568.6	566.5	565.3	565.9	564.1	564.1
15°	560.4	558.9	556.2	555.3	553.8	553.2	553.2
17.5°	551.1	549.9	547.5	545.7	543.9	543.6	543.9
20°	542.0	540.8	537.8	536.6	535.1	535.1	534.5
22.5°	533.0	531.8	529.1	528.2	526.1	526.1	526.4
25°	523.7	522.7	519.7	519.1	518.8	517.6	518.2
27.5°	511.0	510.4	508.0	507.1	505.9	505.6	506.2
30°	487.8	486.9	485.1	484.2	482.1	482.4	483.0
32.5°	458.8	457.6	455.2	454.3	452.5	451.9	452.2
35°	422.7	421.8	419.7	419.7	417.8	417.2	417.8
37.5°	385.9	386.8	385.9	386.8	385.9	385.6	385.9
40°	351.2	354.5	355.1	358.5	357.3	359.1	358.8
42.5°	318.1	323.5	325.6	328.3	327.7	328.9	329.8
45°	284.6	289.1	291.2	293.0	293.3	293.9	294.2
47.5°	252.9	256.6	256.9	259.0	258.7	258.7	259.6
50°	223.4	225.8	226.4	227.9	226.7	226.1	226.4
52.5°	196.0	198.4	197.8	198.4	196.9	196.3	196.6
55°	167.9	169.1	169.1	169.1	167.3	167.3	167.3
57.5°	139.3	139.6	139.0	139.3	139.0	137.2	136.9
60°	113.1	113.1	112.7	113.1	112.2	111.2	111.2
62.5°	88.3	88.9	90.1	88.9	88.3	88.9	88.0
65°	66.0	67.2	66.9	67.5	67.2	67.2	66.6
67.5°	49.7	50.0	50.3	50.7	50.7	50.7	50.7
70°	36.5	37.4	37.1	37.1	37.1	37.1	38.9
72.5°	24.4	25.6	25.3	25.9	25.9	26.5	25.9
75°	16.6	17.8	17.2	18.1	17.8	17.2	18.7
77.5°	11.2	11.8	12.1	12.4	12.1	11.8	12.1
80°	7.8	8.4	8.1	8.4	8.4	8.4	8.7
82.5°	4.8	5.7	5.4	5.7	5.4	5.7	5.7
85°	3.3	3.6	3.0	3.6	3.3	3.3	3.9
87.5°	2.1	1.8	1.8	2.1	1.8	2.1	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)