

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 ER8B10930 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 ER8B10930 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: 931.5 lumens  
Efficiency: N/A  
Efficacy: 91.3 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

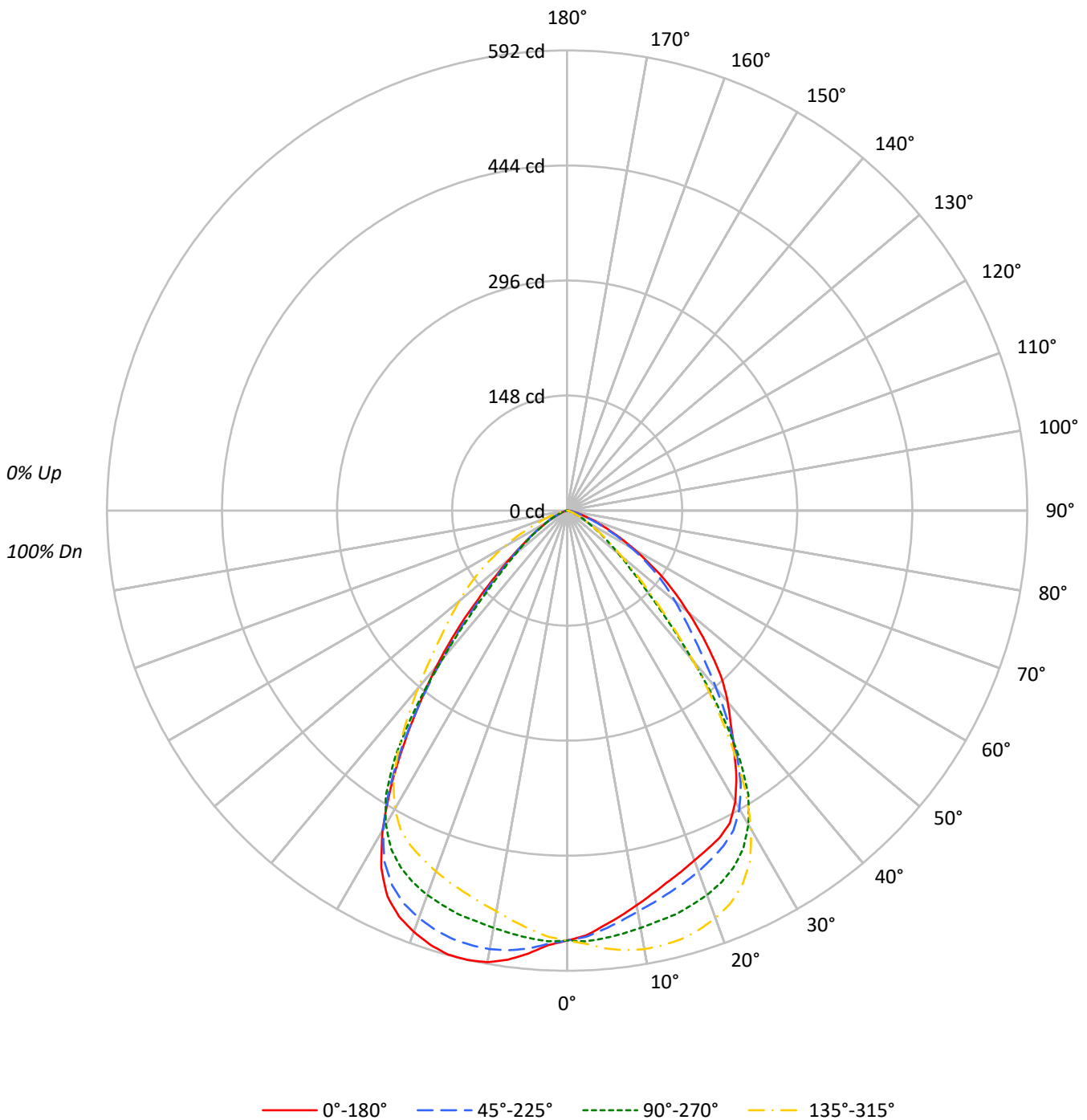
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	52.6	5.7
10°-20°	152.4	16.4
20°-30°	230.8	24.8
30°-40°	231.3	24.8
40°-50°	145.3	15.6
50°-60°	77.4	8.3
60°-70°	31.8	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°	435.9	46.8
0°-40°	667.2	71.6
0°-60°	889.9	95.5
0°-90°	931.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	553	553	553	553	553	
5°	536	552	572	552	536	51
15°	496	538	591	538	496	140
25°	464	507	547	507	464	213
35°	374	385	365	385	374	234
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	547.4	546.8	546.6	547.0	547.4	548.4	548.2	548.7	548.7	549.0	549.5
5°	536.3	536.1	536.3	536.3	537.4	538.4	538.2	539.0	539.5	540.9	541.4
7.5°	526.1	526.1	525.7	526.9	527.4	529.0	528.8	530.1	530.9	532.3	534.2
10°	515.5	515.5	515.8	516.6	516.9	519.2	519.2	521.2	522.3	523.6	526.1
12.5°	505.2	505.2	506.9	506.4	507.4	509.3	510.1	512.0	513.6	516.3	518.8
15°	495.5	495.5	496.0	497.4	498.2	500.6	502.0	504.1	506.0	508.7	512.3
17.5°	487.2	486.9	487.2	488.8	490.4	492.6	493.6	496.4	498.2	501.8	505.0
20°	478.8	479.3	479.3	480.7	481.7	484.5	485.5	488.5	490.7	493.9	497.7
22.5°	471.5	471.3	471.3	473.1	474.0	476.3	477.4	480.1	482.6	485.3	488.8
25°	464.2	463.6	464.8	465.0	465.6	468.2	469.0	470.9	473.4	475.8	479.3
27.5°	453.3	452.9	453.1	454.2	455.0	457.1	457.7	459.6	461.5	463.6	466.7
30°	432.6	432.0	431.8	433.7	434.5	436.1	437.0	440.1	440.7	443.1	445.3
32.5°	405.0	404.8	405.4	406.9	407.7	409.9	411.0	412.9	414.2	415.6	417.8
35°	374.3	373.7	374.3	375.9	375.9	377.8	378.6	379.3	379.1	379.3	378.9
37.5°	345.6	345.4	345.6	346.5	345.6	346.5	345.6	344.0	341.0	337.9	334.6
40°	321.4	321.6	320.0	321.1	318.1	317.6	314.6	310.5	304.6	298.1	289.0
42.5°	295.4	294.6	293.5	294.0	291.7	289.8	284.8	279.8	272.2	261.4	250.3
45°	263.5	263.3	262.8	262.4	260.9	259.0	254.9	249.0	240.6	229.6	216.2
47.5°	232.5	231.7	231.7	231.9	230.0	229.8	226.6	221.4	214.1	203.3	189.6
50°	202.8	202.6	203.0	204.1	202.8	202.2	200.1	196.6	190.1	180.9	167.9
52.5°	176.1	175.8	176.3	177.7	177.1	177.7	175.5	172.9	168.5	159.6	148.2
55°	149.9	149.9	149.9	151.4	151.4	151.4	150.4	148.8	144.7	138.2	127.7
57.5°	122.6	122.9	124.4	124.8	124.4	125.0	124.8	123.1	120.4	115.8	107.7
60°	99.7	99.7	100.4	101.2	101.0	101.2	101.2	100.4	97.8	93.9	87.6
62.5°	78.8	79.7	79.1	79.7	80.7	79.7	79.1	78.6	76.7	74.2	68.8
65°	59.6	60.2	60.2	60.5	60.0	60.2	59.2	58.3	57.3	54.6	51.0
67.5°	45.4	45.4	45.4	45.4	45.1	44.8	44.5	43.7	41.8	40.8	37.0
70°	34.9	33.2	33.2	33.2	33.2	33.5	32.7	31.6	31.1	29.1	26.5
72.5°	23.2	23.8	23.2	23.2	22.6	23.0	21.9	21.3	20.9	19.7	18.0
75°	16.7	15.4	15.9	16.3	15.4	15.9	14.8	13.8	13.8	13.0	12.1
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	7.5	7.5	7.5	7.3	7.5	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	2.9	2.9	3.3	2.7	3.3	2.9	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	550.3	550.6	550.6	551.6	552.2	552.5	552.5	554.7	553.9	554.3	554.9
5°	542.5	544.1	544.7	544.7	547.6	548.7	549.7	552.2	552.5	554.1	556.0
7.5°	534.9	536.8	538.0	540.3	542.2	544.1	547.4	549.0	550.6	552.8	555.2
10°	527.7	529.8	531.9	533.8	536.8	539.3	541.4	545.1	547.0	550.1	553.3
12.5°	520.6	523.6	525.5	528.8	531.9	534.2	537.4	540.9	543.8	546.8	550.6
15°	514.4	517.9	520.0	523.6	527.1	530.1	533.6	538.0	540.1	543.6	547.0
17.5°	507.7	511.4	514.2	517.3	521.7	525.0	527.9	532.3	534.9	538.8	542.8
20°	500.6	504.4	507.7	511.0	515.2	518.5	521.9	526.3	529.2	533.0	536.3
22.5°	492.2	495.8	499.3	503.1	507.4	510.1	514.2	517.9	521.2	524.6	527.9
25°	481.5	485.8	488.5	492.0	495.5	498.5	502.8	506.6	509.3	512.5	515.5
27.5°	468.8	472.1	474.2	477.1	480.7	483.4	486.6	490.4	493.1	496.0	498.2
30°	447.2	450.2	452.0	454.2	457.7	460.2	462.9	466.3	468.2	470.4	472.3
32.5°	418.8	421.3	422.3	424.0	426.4	428.8	431.0	433.9	434.7	436.1	436.1
35°	377.8	378.3	378.0	378.6	379.7	381.0	382.9	384.8	385.8	385.8	385.1
37.5°	329.7	326.4	323.0	320.3	319.5	318.9	320.0	320.8	321.8	322.4	321.1
40°	279.8	272.5	264.7	257.6	252.8	250.5	249.8	250.3	250.3	252.2	252.2
42.5°	236.9	225.4	213.9	203.3	196.3	190.9	188.4	188.4	188.8	190.1	190.9
45°	201.2	186.9	173.3	161.8	152.0	145.1	141.8	140.9	140.7	141.2	143.2
47.5°	173.9	159.1	145.1	130.7	120.4	113.4	110.4	109.4	108.3	109.4	109.6
50°	152.6	137.2	122.3	108.1	97.2	91.0	87.2	85.6	85.3	85.3	85.9
52.5°	133.2	118.8	103.9	89.3	78.0	72.1	68.6	67.8	66.7	67.8	67.8
55°	114.8	100.4	85.9	72.1	62.7	56.4	53.2	52.1	51.6	52.4	52.4
57.5°	94.8	82.6	69.2	56.7	47.3	42.9	40.5	39.1	38.9	39.5	38.9
60°	77.8	67.5	55.9	44.5	37.2	32.7	30.8	30.3	29.7	30.3	30.3
62.5°	61.5	52.9	43.5	34.9	28.6	25.3	23.2	23.2	23.0	23.0	23.2
65°	45.6	38.9	32.2	24.9	20.0	17.6	15.9	15.9	15.7	15.9	15.7
67.5°	33.2	28.6	23.2	18.0	14.3	13.0	11.9	11.1	11.7	11.1	10.8
70°	24.3	20.5	16.7	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°	7.5	6.2	4.8	4.0	3.3	2.9	2.1	2.1	1.9	1.9	1.9
80°	5.4	4.6	3.5	2.9	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	556.2	556.0	556.6	556.6	558.1	557.9	558.7	558.7	558.1	558.5	559.5
5°	558.1	558.9	560.6	562.0	564.4	565.4	566.8	568.1	568.5	569.2	570.0
7.5°	558.1	560.8	562.7	565.2	568.5	570.4	573.3	575.7	576.8	578.1	579.8
10°	557.0	559.8	563.3	566.0	570.0	573.1	576.0	579.8	581.4	583.6	585.7
12.5°	554.9	557.9	561.6	565.2	569.8	572.5	576.3	579.8	582.2	585.2	587.6
15°	551.6	555.2	558.7	562.2	567.1	570.4	573.8	577.9	580.3	583.6	585.7
17.5°	546.6	550.3	553.5	556.8	561.4	565.2	568.5	572.2	574.6	577.3	580.3
20°	540.3	543.8	547.4	550.1	554.7	557.9	561.4	564.9	566.8	567.3	571.9
22.5°	532.5	534.9	537.6	542.0	544.7	547.6	550.9	554.1	556.0	558.9	560.6
25°	519.6	521.9	525.0	526.9	530.1	532.5	535.7	539.3	540.3	542.5	544.1
27.5°	501.4	502.8	504.1	505.8	507.7	509.0	511.0	512.5	513.6	514.7	515.8
30°	472.8	472.8	472.8	471.7	472.6	473.4	473.6	473.4	473.4	473.1	473.1
32.5°	435.1	432.8	430.5	428.3	427.4	426.4	425.9	425.1	423.7	422.8	423.2
35°	383.9	379.1	376.2	373.4	371.3	369.7	368.9	368.0	367.8	366.7	365.7
37.5°	320.3	316.8	314.6	313.0	311.1	309.5	309.7	310.0	310.9	310.3	310.5
40°	252.8	251.9	252.8	250.9	250.3	250.9	252.2	254.1	255.1	256.3	258.2
42.5°	192.3	193.6	195.5	195.5	196.3	197.4	199.0	202.0	203.6	205.5	207.6
45°	144.7	146.4	148.8	149.5	150.1	151.4	153.4	155.8	156.9	158.5	160.4
47.5°	111.5	112.7	114.0	115.4	116.7	117.1	119.1	119.1	120.4	121.5	122.1
50°	87.0	88.0	89.1	89.9	90.5	91.2	91.8	92.6	92.9	93.4	93.7
52.5°	68.0	69.4	69.4	70.0	70.7	71.5	71.3	71.5	71.9	71.9	72.6
55°	53.2	53.2	54.0	54.0	54.6	54.3	54.6	54.6	54.6	54.6	54.8
57.5°	39.7	40.0	40.8	40.2	40.0	40.5	40.0	40.5	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	22.6	22.4	22.4
65°	15.4	15.1	15.7	15.1	15.4	15.4	15.1	15.4	14.6	14.8	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	7.5	7.3	7.5	7.8	7.8	7.5	7.3	7.5	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	2.9	2.5	2.1	2.9	2.9	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





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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	559.3	558.9	559.3	559.5	559.3	558.9	559.3	559.5	558.5	558.1	558.7
5°	571.1	571.1	571.7	571.9	571.7	571.1	571.1	570.0	569.2	568.5	568.1
7.5°	581.4	581.9	582.5	582.7	582.5	581.9	581.4	579.8	578.1	576.8	575.7
10°	587.6	588.4	589.5	590.0	589.5	588.4	587.6	585.7	583.6	581.4	579.8
12.5°	590.3	591.1	592.4	592.2	592.4	591.1	590.3	587.6	585.2	582.2	579.8
15°	588.4	589.5	590.9	591.3	590.9	589.5	588.4	585.7	583.6	580.3	577.9
17.5°	582.5	584.0	584.9	585.7	584.9	584.0	582.5	580.3	577.3	574.6	572.2
20°	574.4	575.4	576.5	576.8	576.5	575.4	574.4	571.9	567.3	566.8	564.9
22.5°	562.7	563.5	566.0	565.2	566.0	563.5	562.7	560.6	558.9	556.0	554.1
25°	546.0	546.8	547.0	547.4	547.0	546.8	546.0	544.1	542.5	540.3	539.3
27.5°	517.1	517.1	517.7	517.9	517.7	517.1	517.1	515.8	514.7	513.6	512.5
30°	473.4	473.4	473.4	474.7	473.4	473.4	473.4	473.1	473.1	473.4	473.4
32.5°	422.8	422.3	421.8	422.3	421.8	422.3	422.8	423.2	422.8	423.7	425.1
35°	365.7	365.3	366.1	365.1	366.1	365.3	365.7	365.7	366.7	367.8	368.0
37.5°	310.9	310.3	311.3	310.3	311.3	310.3	310.9	310.5	310.3	310.9	310.0
40°	258.7	259.3	259.3	261.4	259.3	259.3	258.7	258.2	256.3	255.1	254.1
42.5°	208.7	210.4	209.9	211.4	209.9	210.4	208.7	207.6	205.5	203.6	202.0
45°	161.4	162.5	162.5	163.1	162.5	162.5	161.4	160.4	158.5	156.9	155.8
47.5°	124.0	124.0	124.0	124.2	124.0	124.0	124.0	122.1	121.5	120.4	119.1
50°	94.3	94.5	94.8	95.1	94.8	94.5	94.3	93.7	93.4	92.9	92.6
52.5°	72.4	72.6	72.1	72.6	72.1	72.6	72.4	72.6	71.9	71.9	71.5
55°	54.8	54.6	54.8	55.0	54.8	54.6	54.8	54.8	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	40.5
60°	29.9	30.3	30.3	30.5	30.3	30.3	29.9	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	22.6	23.0
65°	14.3	14.3	14.3	14.6	14.3	14.3	14.3	14.6	14.8	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	7.5	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: P246024

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	558.7	557.9	558.1	556.6	556.6	556.0	556.2	554.9	554.3	553.9	554.7
5°	566.8	565.4	564.4	562.0	560.6	558.9	558.1	556.0	554.1	552.5	552.2
7.5°	573.3	570.4	568.5	565.2	562.7	560.8	558.1	555.2	552.8	550.6	549.0
10°	576.0	573.1	570.0	566.0	563.3	559.8	557.0	553.3	550.1	547.0	545.1
12.5°	576.3	572.5	569.8	565.2	561.6	557.9	554.9	550.6	546.8	543.8	540.9
15°	573.8	570.4	567.1	562.2	558.7	555.2	551.6	547.0	543.6	540.1	538.0
17.5°	568.5	565.2	561.4	556.8	553.5	550.3	546.6	542.8	538.8	534.9	532.3
20°	561.4	557.9	554.7	550.1	547.4	543.8	540.3	536.3	533.0	529.2	526.3
22.5°	550.9	547.6	544.7	542.0	537.6	534.9	532.5	527.9	524.6	521.2	517.9
25°	535.7	532.5	530.1	526.9	525.0	521.9	519.6	515.5	512.5	509.3	506.6
27.5°	511.0	509.0	507.7	505.8	504.1	502.8	501.4	498.2	496.0	493.1	490.4
30°	473.6	473.4	472.6	471.7	472.8	472.8	472.8	472.3	470.4	468.2	466.3
32.5°	425.9	426.4	427.4	428.3	430.5	432.8	435.1	436.1	436.1	434.7	433.9
35°	368.9	369.7	371.3	373.4	376.2	379.1	383.9	385.1	385.8	385.8	384.8
37.5°	309.7	309.5	311.1	313.0	314.6	316.8	320.3	321.1	322.4	321.8	320.8
40°	252.2	250.9	250.3	250.9	252.8	251.9	252.8	252.2	252.2	250.3	250.3
42.5°	199.0	197.4	196.3	195.5	195.5	193.6	192.3	190.9	190.1	188.8	188.4
45°	153.4	151.4	150.1	149.5	148.8	146.4	144.7	143.2	141.2	140.7	140.9
47.5°	119.1	117.1	116.7	115.4	114.0	112.7	111.5	109.6	109.4	108.3	109.4
50°	91.8	91.2	90.5	89.9	89.1	88.0	87.0	85.9	85.3	85.3	85.6
52.5°	71.3	71.5	70.7	70.0	69.4	69.4	68.0	67.8	67.8	66.7	67.8
55°	54.6	54.3	54.6	54.0	54.0	53.2	53.2	52.4	52.4	51.6	52.1
57.5°	40.0	40.5	40.0	40.2	40.8	40.0	39.7	38.9	39.5	38.9	39.1
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°	7.5	7.8	7.8	7.5	7.3	7.5	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	2.9	2.9	2.1	2.5	2.9	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: P246024

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	552.5	552.5	552.2	551.6	550.6	550.6	550.3	549.5	549.0	548.7	548.7
5°	549.7	548.7	547.6	544.7	544.7	544.1	542.5	541.4	540.9	539.5	539.0
7.5°	547.4	544.1	542.2	540.3	538.0	536.8	534.9	534.2	532.3	530.9	530.1
10°	541.4	539.3	536.8	533.8	531.9	529.8	527.7	526.1	523.6	522.3	521.2
12.5°	537.4	534.2	531.9	528.8	525.5	523.6	520.6	518.8	516.3	513.6	512.0
15°	533.6	530.1	527.1	523.6	520.0	517.9	514.4	512.3	508.7	506.0	504.1
17.5°	527.9	525.0	521.7	517.3	514.2	511.4	507.7	505.0	501.8	498.2	496.4
20°	521.9	518.5	515.2	511.0	507.7	504.4	500.6	497.7	493.9	490.7	488.5
22.5°	514.2	510.1	507.4	503.1	499.3	495.8	492.2	488.8	485.3	482.6	480.1
25°	502.8	498.5	495.5	492.0	488.5	485.8	481.5	479.3	475.8	473.4	470.9
27.5°	486.6	483.4	480.7	477.1	474.2	472.1	468.8	466.7	463.6	461.5	459.6
30°	462.9	460.2	457.7	454.2	452.0	450.2	447.2	445.3	443.1	440.7	440.1
32.5°	431.0	428.8	426.4	424.0	422.3	421.3	418.8	417.8	415.6	414.2	412.9
35°	382.9	381.0	379.7	378.6	378.0	378.3	377.8	378.9	379.3	379.1	379.3
37.5°	320.0	318.9	319.5	320.3	323.0	326.4	329.7	334.6	337.9	341.0	344.0
40°	249.8	250.5	252.8	257.6	264.7	272.5	279.8	289.0	298.1	304.6	310.5
42.5°	188.4	190.9	196.3	203.3	213.9	225.4	236.9	250.3	261.4	272.2	279.8
45°	141.8	145.1	152.0	161.8	173.3	186.9	201.2	216.2	229.6	240.6	249.0
47.5°	110.4	113.4	120.4	130.7	145.1	159.1	173.9	189.6	203.3	214.1	221.4
50°	87.2	91.0	97.2	108.1	122.3	137.2	152.6	167.9	180.9	190.1	196.6
52.5°	68.6	72.1	78.0	89.3	103.9	118.8	133.2	148.2	159.6	168.5	172.9
55°	53.2	56.4	62.7	72.1	85.9	100.4	114.8	127.7	138.2	144.7	148.8
57.5°	40.5	42.9	47.3	56.7	69.2	82.6	94.8	107.7	115.8	120.4	123.1
60°	30.8	32.7	37.2	44.5	55.9	67.5	77.8	87.6	93.9	97.8	100.4
62.5°	23.2	25.3	28.6	34.9	43.5	52.9	61.5	68.8	74.2	76.7	78.6
65°	15.9	17.6	20.0	24.9	32.2	38.9	45.6	51.0	54.6	57.3	58.3
67.5°	11.9	13.0	14.3	18.0	23.2	28.6	33.2	37.0	40.8	41.8	43.7
70°	9.0	9.8	11.1	13.8	16.7	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	18.0	19.7	20.9	21.3
75°	3.3	4.8	4.8	6.5	8.1	9.2	10.8	12.1	13.0	13.8	13.8
77.5°	2.1	2.9	3.3	4.0	4.8	6.2	7.5	8.4	9.2	9.4	9.4
80°	1.9	2.1	2.1	2.9	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: P246024

CATALOG NUMBER: LD8B10D010 ER8B10930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	548.2	548.4	547.4	547.0	546.6	546.8	547.4
5°	538.2	538.4	537.4	536.3	536.3	536.1	536.3
7.5°	528.8	529.0	527.4	526.9	525.7	526.1	526.1
10°	519.2	519.2	516.9	516.6	515.8	515.5	515.5
12.5°	510.1	509.3	507.4	506.4	506.9	505.2	505.2
15°	502.0	500.6	498.2	497.4	496.0	495.5	495.5
17.5°	493.6	492.6	490.4	488.8	487.2	486.9	487.2
20°	485.5	484.5	481.7	480.7	479.3	479.3	478.8
22.5°	477.4	476.3	474.0	473.1	471.3	471.3	471.5
25°	469.0	468.2	465.6	465.0	464.8	463.6	464.2
27.5°	457.7	457.1	455.0	454.2	453.1	452.9	453.3
30°	437.0	436.1	434.5	433.7	431.8	432.0	432.6
32.5°	411.0	409.9	407.7	406.9	405.4	404.8	405.0
35°	378.6	377.8	375.9	375.9	374.3	373.7	374.3
37.5°	345.6	346.5	345.6	346.5	345.6	345.4	345.6
40°	314.6	317.6	318.1	321.1	320.0	321.6	321.4
42.5°	284.8	289.8	291.7	294.0	293.5	294.6	295.4
45°	254.9	259.0	260.9	262.4	262.8	263.3	263.5
47.5°	226.6	229.8	230.0	231.9	231.7	231.7	232.5
50°	200.1	202.2	202.8	204.1	203.0	202.6	202.8
52.5°	175.5	177.7	177.1	177.7	176.3	175.8	176.1
55°	150.4	151.4	151.4	151.4	149.9	149.9	149.9
57.5°	124.8	125.0	124.4	124.8	124.4	122.9	122.6
60°	101.2	101.2	101.0	101.2	100.4	99.7	99.7
62.5°	79.1	79.7	80.7	79.7	79.1	79.7	78.8
65°	59.2	60.2	60.0	60.5	60.2	60.2	59.6
67.5°	44.5	44.8	45.1	45.4	45.4	45.4	45.4
70°	32.7	33.5	33.2	33.2	33.2	33.2	34.9
72.5°	21.9	23.0	22.6	23.2	23.2	23.8	23.2
75°	14.8	15.9	15.4	16.3	15.9	15.4	16.7
77.5°	10.0	10.5	10.8	11.1	10.8	10.5	10.8
80°	7.1	7.5	7.3	7.5	7.5	7.5	7.8
82.5°	4.4	5.2	4.8	5.2	4.8	5.2	5.2
85°	2.9	3.3	2.7	3.3	2.9	2.9	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)