

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: P246000

Luminaire Tested: **LD8B10D010 ER8B10935 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246000
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 ER8B10935 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 962.0 lumens
Efficiency: N/A
Efficacy: 94.3 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

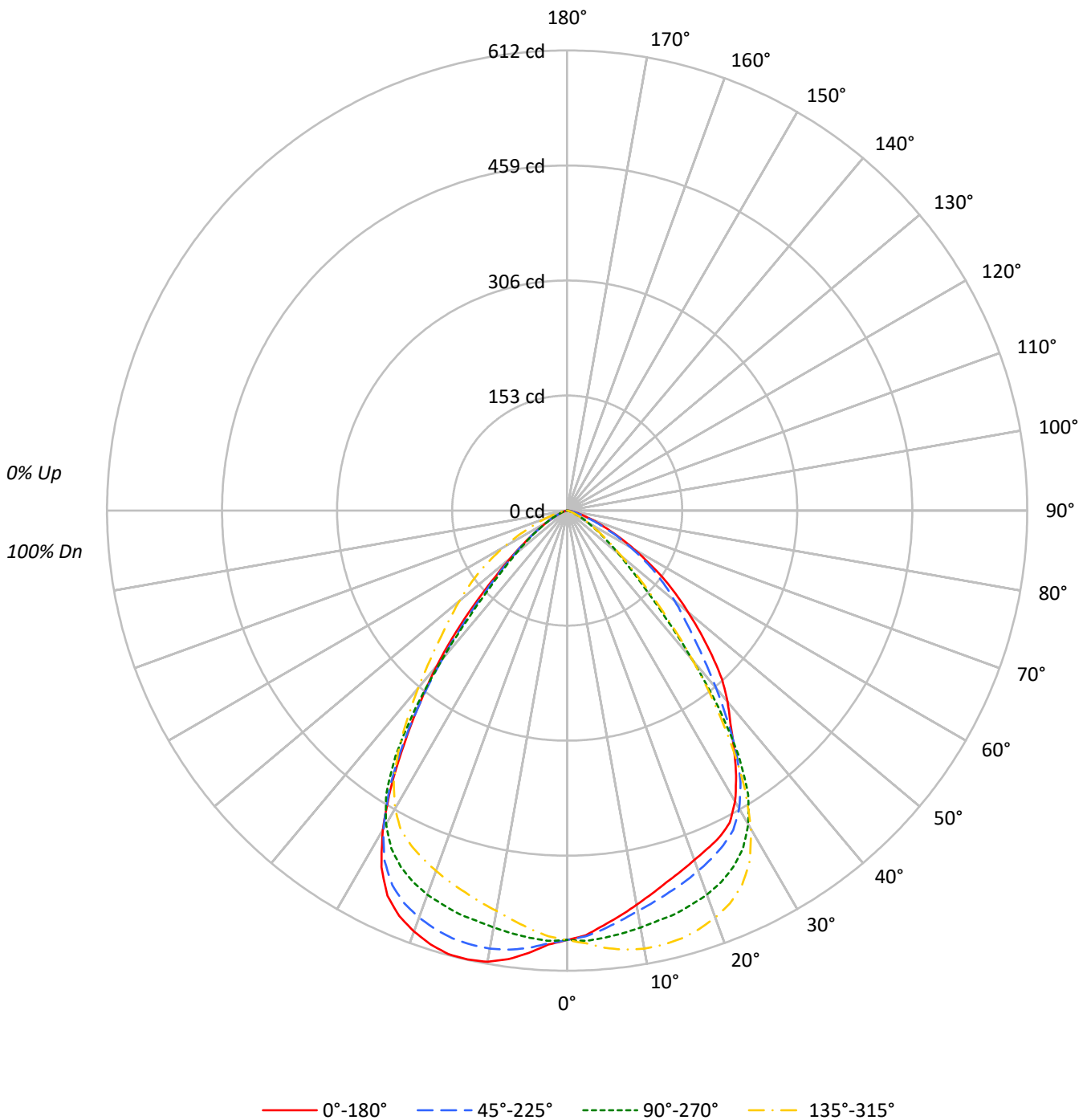
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	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°	17611	17611	17611	17611
5°	17142	17653	18281	17653
10°	16667	17629	19078	17629
15°	16336	17734	19496	17734
20°	16224	17835	19545	17835
25°	16311	17798	19234	17798
30°	15906	17148	17454	17148
35°	14549	14960	14192	14960
40°	13356	10406	10865	10406
45°	11870	6349	7344	6349
50°	10046	4241	4711	4241
55°	8322	2892	3059	2892
60°	6346	1924	1943	1924
65°	4495	1197	1102	1197
70°	3246	802	730	802
75°	2061	405	334	405
80°	1438	302	249	302
85°	1274	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	5.7
10°-20°	157.4	16.4
20°-30°	238.4	24.8
30°-40°	238.9	24.8
40°-50°	150.0	15.6
50°-60°	79.9	8.3
60°-70°	32.9	3.4
70°-80°	8.7	0.9
80°-90°	1.5	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°	450.1	46.8
0°-40°	689.0	71.6
0°-60°	919.0	95.5
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	571	571	571	571	571	
5°	554	570	591	570	554	52
15°	512	556	611	556	512	145
25°	479	523	565	523	479	220
35°	386	397	377	397	386	242
45°	272	146	168	146	272	209
55°	155	54	57	54	155	138
65°	62	16	15	16	62	64
75°	17	3	3	3	17	20
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°	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	565.3	564.7	564.4	565.0	565.3	566.4	566.1	566.6	566.6	566.9	567.5
5°	553.8	553.5	553.8	553.8	554.9	556.0	555.8	556.6	557.2	558.6	559.1
7.5°	543.2	543.2	542.9	544.1	544.6	546.3	546.0	547.4	548.2	549.6	551.6
10°	532.3	532.3	532.6	533.5	533.7	536.2	536.2	538.2	539.3	540.7	543.2
12.5°	521.8	521.8	523.4	522.9	524.0	525.9	526.8	528.7	530.4	533.2	535.7
15°	511.7	511.7	512.3	513.7	514.5	517.0	518.4	520.6	522.6	525.4	529.0
17.5°	503.1	502.8	503.1	504.7	506.4	508.6	509.8	512.5	514.5	518.1	521.5
20°	494.4	495.0	495.0	496.4	497.5	500.3	501.4	504.5	506.7	510.0	513.9
22.5°	486.9	486.6	486.6	488.6	489.4	491.9	493.0	495.8	498.3	501.1	504.7
25°	479.4	478.8	479.9	480.2	480.8	483.5	484.4	486.3	488.8	491.4	495.0
27.5°	468.2	467.7	467.9	469.0	469.9	472.1	472.7	474.6	476.6	478.8	481.9
30°	446.7	446.2	445.9	447.9	448.7	450.4	451.2	454.5	455.1	457.6	459.8
32.5°	418.3	418.0	418.6	420.2	421.1	423.3	424.4	426.4	427.8	429.2	431.4
35°	386.5	385.9	386.5	388.2	388.2	390.1	391.0	391.8	391.5	391.8	391.2
37.5°	356.9	356.7	356.9	357.8	356.9	357.8	356.9	355.3	352.2	348.9	345.5
40°	331.8	332.1	330.5	331.6	328.5	327.9	324.9	320.7	314.6	307.9	298.4
42.5°	305.1	304.2	303.1	303.7	301.2	299.2	294.2	288.9	281.1	269.9	258.5
45°	272.2	271.9	271.3	271.1	269.4	267.4	263.2	257.1	248.5	237.0	223.4
47.5°	240.1	239.3	239.3	239.5	237.6	237.3	234.0	228.7	221.1	210.0	195.8
50°	209.4	209.1	209.7	210.8	209.4	208.9	206.6	203.0	196.3	186.8	173.4
52.5°	181.8	181.5	182.1	183.5	182.9	183.5	181.3	178.5	174.0	164.8	153.1
55°	154.8	154.8	154.8	156.4	156.4	156.4	155.3	153.7	149.5	142.8	131.9
57.5°	126.6	126.9	128.6	128.8	128.6	129.1	128.8	127.2	124.4	119.6	111.3
60°	102.9	102.9	103.7	104.6	104.3	104.6	104.6	103.7	101.0	97.0	90.4
62.5°	81.4	82.3	81.7	82.3	83.4	82.3	81.7	81.2	79.2	76.7	71.1
65°	61.6	62.2	62.2	62.5	61.9	62.2	61.1	60.2	59.1	56.3	52.7
67.5°	46.9	46.9	46.9	46.9	46.6	46.3	46.0	45.2	43.2	42.1	38.2
70°	36.0	34.3	34.3	34.3	34.3	34.6	33.7	32.6	32.1	30.1	27.3
72.5°	24.0	24.5	24.0	24.0	23.4	23.7	22.6	22.0	21.5	20.4	18.7
75°	17.3	15.9	16.4	16.7	15.9	16.4	15.3	14.2	14.2	13.4	12.5
77.5°	11.2	10.9	11.2	11.4	11.2	10.9	10.3	9.8	9.8	9.5	8.6
80°	8.1	7.8	7.8	7.8	7.5	7.8	7.3	7.3	6.7	6.4	5.9
82.5°	5.3	5.3	5.0	5.3	5.0	5.3	4.5	4.5	4.5	4.2	3.6
85°	3.6	3.1	3.1	3.4	2.8	3.4	3.1	2.8	2.5	2.5	2.2
87.5°	1.7	2.0	1.7	2.0	1.7	1.7	2.0	1.7	1.7	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°	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	568.3	568.6	568.6	569.7	570.3	570.5	570.5	572.8	571.9	572.5	573.1
5°	560.2	561.9	562.5	562.5	565.5	566.6	567.8	570.3	570.5	572.2	574.2
7.5°	552.4	554.4	555.5	558.0	560.0	561.9	565.3	566.9	568.6	570.8	573.3
10°	544.9	547.1	549.4	551.3	554.4	556.9	559.1	563.0	565.0	568.0	571.4
12.5°	537.7	540.7	542.7	546.0	549.4	551.6	554.9	558.6	561.6	564.7	568.6
15°	531.2	534.9	537.1	540.7	544.3	547.4	551.0	555.5	557.7	561.4	565.0
17.5°	524.3	528.2	531.0	534.3	538.8	542.1	545.2	549.6	552.4	556.3	560.5
20°	517.0	520.9	524.3	527.6	532.1	535.4	539.0	543.5	546.6	550.5	553.8
22.5°	508.4	512.0	515.6	519.5	524.0	526.8	531.0	534.9	538.2	541.8	545.2
25°	497.2	501.7	504.5	508.1	511.7	514.8	519.2	523.1	525.9	529.3	532.3
27.5°	484.1	487.5	489.7	492.7	496.4	499.2	502.5	506.4	509.2	512.3	514.5
30°	461.8	464.9	466.8	469.0	472.7	475.2	478.0	481.6	483.5	485.8	487.7
32.5°	432.5	435.0	436.1	437.8	440.3	442.8	445.1	448.1	449.0	450.4	450.4
35°	390.1	390.7	390.4	391.0	392.1	393.5	395.4	397.4	398.5	398.5	397.7
37.5°	340.5	337.1	333.5	330.7	329.9	329.3	330.5	331.3	332.4	333.0	331.6
40°	288.9	281.4	273.3	266.0	261.0	258.8	257.9	258.5	258.5	260.5	260.5
42.5°	244.6	232.8	220.9	210.0	202.7	197.2	194.6	194.6	194.9	196.3	197.2
45°	207.8	193.0	179.0	167.0	157.0	149.7	146.4	145.6	145.3	145.8	147.8
47.5°	179.6	164.3	149.7	135.0	124.4	117.1	114.1	112.9	111.8	112.9	113.2
50°	157.6	141.7	126.3	111.5	100.4	94.0	90.1	88.4	88.1	88.1	88.7
52.5°	137.5	122.7	107.4	92.3	80.6	74.5	70.8	70.0	68.9	70.0	70.0
55°	118.5	103.7	88.7	74.5	64.7	58.3	54.9	53.8	53.3	54.1	54.1
57.5°	97.9	85.3	71.4	58.6	48.8	44.3	41.8	40.4	40.2	40.7	40.2
60°	80.3	69.7	57.7	46.0	38.5	33.7	31.8	31.2	30.7	31.2	31.2
62.5°	63.6	54.7	44.9	36.0	29.6	26.2	24.0	24.0	23.7	23.7	24.0
65°	47.1	40.2	33.2	25.7	20.6	18.1	16.4	16.4	16.2	16.4	16.2
67.5°	34.3	29.6	24.0	18.7	14.8	13.4	12.3	11.4	12.0	11.4	11.2
70°	25.1	21.2	17.3	14.2	11.4	10.0	9.2	8.9	8.4	8.4	8.4
72.5°	16.7	14.2	11.7	9.2	7.5	6.1	5.9	5.3	4.7	5.0	5.6
75°	11.2	9.5	8.4	6.7	5.0	5.0	3.4	3.4	2.8	3.4	2.5
77.5°	7.8	6.4	5.0	4.2	3.4	3.1	2.2	2.2	2.0	2.0	2.0
80°	5.6	4.7	3.6	3.1	2.2	2.2	2.0	1.7	1.4	1.4	1.7
82.5°	3.4	2.5	2.5	2.2	1.4	1.1	0.8	1.1	0.6	0.6	0.6
85°	2.0	1.7	1.4	0.8	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.1	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	574.5	574.2	574.7	574.7	576.4	576.1	577.0	577.0	576.4	576.7	577.8
5°	576.4	577.2	578.9	580.3	582.8	583.9	585.3	586.7	587.0	587.8	588.7
7.5°	576.4	579.2	581.2	583.7	587.0	589.0	592.0	594.5	595.6	597.0	598.7
10°	575.3	578.1	581.7	584.5	588.7	591.7	594.8	598.7	600.4	602.6	604.9
12.5°	573.1	576.1	580.0	583.7	588.4	591.2	595.1	598.7	601.2	604.3	606.8
15°	569.7	573.3	577.0	580.6	585.6	589.0	592.6	596.8	599.3	602.6	604.9
17.5°	564.4	568.3	571.7	575.0	579.8	583.7	587.0	590.9	593.4	596.2	599.3
20°	558.0	561.6	565.3	568.0	572.8	576.1	579.8	583.4	585.3	585.9	590.6
22.5°	549.9	552.4	555.2	559.7	562.5	565.5	568.9	572.2	574.2	577.2	578.9
25°	536.5	539.0	542.1	544.1	547.4	549.9	553.3	556.9	558.0	560.2	561.9
27.5°	517.9	519.2	520.6	522.3	524.3	525.7	527.6	529.3	530.4	531.5	532.6
30°	488.3	488.3	488.3	487.2	488.0	488.8	489.1	488.8	488.8	488.6	488.6
32.5°	449.2	447.0	444.5	442.3	441.4	440.3	439.8	438.9	437.5	436.7	437.0
35°	396.5	391.5	388.5	385.7	383.4	381.8	380.9	380.1	379.8	378.7	377.6
37.5°	330.7	327.1	324.9	323.2	321.3	319.6	319.9	320.1	321.0	320.4	320.7
40°	261.0	260.2	261.0	259.1	258.5	259.1	260.5	262.4	263.5	264.6	266.6
42.5°	198.5	199.9	201.9	201.9	202.7	203.9	205.5	208.6	210.3	212.2	214.4
45°	149.5	151.1	153.7	154.5	155.0	156.4	158.4	160.9	162.0	163.7	165.6
47.5°	115.2	116.3	117.7	119.1	120.5	121.0	123.0	123.0	124.4	125.5	126.0
50°	89.8	90.9	92.0	92.9	93.4	94.3	94.8	95.6	95.9	96.5	96.8
52.5°	70.3	71.7	71.7	72.2	73.1	73.9	73.6	73.9	74.2	74.2	75.0
55°	54.9	54.9	55.8	55.8	56.3	56.0	56.3	56.3	56.3	56.3	56.6
57.5°	41.0	41.3	42.1	41.6	41.3	41.8	41.3	41.8	41.6	42.1	41.3
60°	31.5	31.5	31.8	31.8	32.1	32.1	32.1	31.8	31.8	31.5	31.5
62.5°	23.7	24.0	24.3	24.0	24.0	24.0	23.7	23.7	23.4	23.1	23.1
65°	15.9	15.6	16.2	15.6	15.9	15.9	15.6	15.9	15.1	15.3	15.1
67.5°	11.4	11.2	10.9	11.2	10.9	10.6	10.6	10.9	11.2	10.3	10.3
70°	7.5	7.8	7.5	7.8	8.1	8.1	7.8	7.5	7.8	7.3	7.5
72.5°	4.7	4.7	4.7	4.7	4.7	5.0	5.0	5.0	4.5	4.5	4.2
75°	2.2	3.1	2.5	2.2	3.1	3.1	2.8	2.8	2.5	2.5	2.5
77.5°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.7	1.4
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.4	1.1	1.1	0.8	1.4
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: P246000

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	577.5	577.2	577.5	577.8	577.5	577.2	577.5	577.8	576.7	576.4	577.0
5°	589.8	589.8	590.3	590.6	590.3	589.8	589.8	588.7	587.8	587.0	586.7
7.5°	600.4	601.0	601.5	601.8	601.5	601.0	600.4	598.7	597.0	595.6	594.5
10°	606.8	607.6	608.8	609.3	608.8	607.6	606.8	604.9	602.6	600.4	598.7
12.5°	609.6	610.4	611.8	611.5	611.8	610.4	609.6	606.8	604.3	601.2	598.7
15°	607.6	608.8	610.1	610.7	610.1	608.8	607.6	604.9	602.6	599.3	596.8
17.5°	601.5	603.2	604.0	604.9	604.0	603.2	601.5	599.3	596.2	593.4	590.9
20°	593.1	594.3	595.4	595.6	595.4	594.3	593.1	590.6	585.9	585.3	583.4
22.5°	581.2	582.0	584.5	583.7	584.5	582.0	581.2	578.9	577.2	574.2	572.2
25°	563.9	564.7	565.0	565.3	565.0	564.7	563.9	561.9	560.2	558.0	556.9
27.5°	534.0	534.0	534.6	534.9	534.6	534.0	534.0	532.6	531.5	530.4	529.3
30°	488.8	488.8	488.8	490.2	488.8	488.8	488.8	488.6	488.6	488.8	488.8
32.5°	436.7	436.1	435.6	436.1	435.6	436.1	436.7	437.0	436.7	437.5	438.9
35°	377.6	377.3	378.1	377.0	378.1	377.3	377.6	377.6	378.7	379.8	380.1
37.5°	321.0	320.4	321.5	320.4	321.5	320.4	321.0	320.7	320.4	321.0	320.1
40°	267.2	267.7	267.7	269.9	267.7	267.7	267.2	266.6	264.6	263.5	262.4
42.5°	215.6	217.2	216.7	218.3	216.7	217.2	215.6	214.4	212.2	210.3	208.6
45°	166.8	167.9	167.9	168.4	167.9	167.9	166.8	165.6	163.7	162.0	160.9
47.5°	128.0	128.0	128.0	128.3	128.0	128.0	128.0	126.0	125.5	124.4	123.0
50°	97.3	97.6	97.9	98.2	97.9	97.6	97.3	96.8	96.5	95.9	95.6
52.5°	74.7	75.0	74.5	75.0	74.5	75.0	74.7	75.0	74.2	74.2	73.9
55°	56.6	56.3	56.6	56.9	56.6	56.3	56.6	56.6	56.3	56.3	56.3
57.5°	41.6	41.0	41.0	41.0	41.0	41.0	41.6	41.3	42.1	41.6	41.8
60°	31.0	31.2	31.2	31.5	31.2	31.2	31.0	31.5	31.5	31.8	31.8
62.5°	22.9	23.7	23.1	23.7	23.1	23.7	22.9	23.1	23.1	23.4	23.7
65°	14.8	14.8	14.8	15.1	14.8	14.8	14.8	15.1	15.3	15.1	15.9
67.5°	10.0	10.3	10.9	10.6	10.9	10.3	10.0	10.3	10.3	11.2	10.9
70°	8.1	7.3	7.3	8.1	7.3	7.3	8.1	7.5	7.3	7.8	7.5
72.5°	4.7	4.2	4.7	4.7	4.7	4.2	4.7	4.2	4.5	4.5	5.0
75°	2.5	2.2	2.0	2.8	2.0	2.2	2.5	2.5	2.5	2.5	2.8
77.5°	1.7	1.4	2.0	2.0	2.0	1.4	1.7	1.4	1.7	1.4	1.7
80°	0.8	1.1	0.8	1.4	0.8	1.1	0.8	1.4	0.8	1.1	1.1
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: P246000

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	577.0	576.1	576.4	574.7	574.7	574.2	574.5	573.1	572.5	571.9	572.8
5°	585.3	583.9	582.8	580.3	578.9	577.2	576.4	574.2	572.2	570.5	570.3
7.5°	592.0	589.0	587.0	583.7	581.2	579.2	576.4	573.3	570.8	568.6	566.9
10°	594.8	591.7	588.7	584.5	581.7	578.1	575.3	571.4	568.0	565.0	563.0
12.5°	595.1	591.2	588.4	583.7	580.0	576.1	573.1	568.6	564.7	561.6	558.6
15°	592.6	589.0	585.6	580.6	577.0	573.3	569.7	565.0	561.4	557.7	555.5
17.5°	587.0	583.7	579.8	575.0	571.7	568.3	564.4	560.5	556.3	552.4	549.6
20°	579.8	576.1	572.8	568.0	565.3	561.6	558.0	553.8	550.5	546.6	543.5
22.5°	568.9	565.5	562.5	559.7	555.2	552.4	549.9	545.2	541.8	538.2	534.9
25°	553.3	549.9	547.4	544.1	542.1	539.0	536.5	532.3	529.3	525.9	523.1
27.5°	527.6	525.7	524.3	522.3	520.6	519.2	517.9	514.5	512.3	509.2	506.4
30°	489.1	488.8	488.0	487.2	488.3	488.3	488.3	487.7	485.8	483.5	481.6
32.5°	439.8	440.3	441.4	442.3	444.5	447.0	449.2	450.4	450.4	449.0	448.1
35°	380.9	381.8	383.4	385.7	388.5	391.5	396.5	397.7	398.5	398.5	397.4
37.5°	319.9	319.6	321.3	323.2	324.9	327.1	330.7	331.6	333.0	332.4	331.3
40°	260.5	259.1	258.5	259.1	261.0	260.2	261.0	260.5	260.5	258.5	258.5
42.5°	205.5	203.9	202.7	201.9	201.9	199.9	198.5	197.2	196.3	194.9	194.6
45°	158.4	156.4	155.0	154.5	153.7	151.1	149.5	147.8	145.8	145.3	145.6
47.5°	123.0	121.0	120.5	119.1	117.7	116.3	115.2	113.2	112.9	111.8	112.9
50°	94.8	94.3	93.4	92.9	92.0	90.9	89.8	88.7	88.1	88.1	88.4
52.5°	73.6	73.9	73.1	72.2	71.7	71.7	70.3	70.0	70.0	68.9	70.0
55°	56.3	56.0	56.3	55.8	55.8	54.9	54.9	54.1	54.1	53.3	53.8
57.5°	41.3	41.8	41.3	41.6	42.1	41.3	41.0	40.2	40.7	40.2	40.4
60°	32.1	32.1	32.1	31.8	31.8	31.5	31.5	31.2	31.2	30.7	31.2
62.5°	23.7	24.0	24.0	24.0	24.3	24.0	23.7	24.0	23.7	23.7	24.0
65°	15.6	15.9	15.9	15.6	16.2	15.6	15.9	16.2	16.4	16.2	16.4
67.5°	10.6	10.6	10.9	11.2	10.9	11.2	11.4	11.2	11.4	12.0	11.4
70°	7.8	8.1	8.1	7.8	7.5	7.8	7.5	8.4	8.4	8.4	8.9
72.5°	5.0	5.0	4.7	4.7	4.7	4.7	4.7	5.6	5.0	4.7	5.3
75°	2.8	3.1	3.1	2.2	2.5	3.1	2.2	2.5	3.4	2.8	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.0	2.0	2.0	2.2
80°	1.4	1.1	1.1	0.8	1.1	1.1	1.1	1.7	1.4	1.4	1.7
82.5°	0.6	0.6	0.3	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	0.3	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: P246000

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	570.5	570.5	570.3	569.7	568.6	568.6	568.3	567.5	566.9	566.6	566.6
5°	567.8	566.6	565.5	562.5	562.5	561.9	560.2	559.1	558.6	557.2	556.6
7.5°	565.3	561.9	560.0	558.0	555.5	554.4	552.4	551.6	549.6	548.2	547.4
10°	559.1	556.9	554.4	551.3	549.4	547.1	544.9	543.2	540.7	539.3	538.2
12.5°	554.9	551.6	549.4	546.0	542.7	540.7	537.7	535.7	533.2	530.4	528.7
15°	551.0	547.4	544.3	540.7	537.1	534.9	531.2	529.0	525.4	522.6	520.6
17.5°	545.2	542.1	538.8	534.3	531.0	528.2	524.3	521.5	518.1	514.5	512.5
20°	539.0	535.4	532.1	527.6	524.3	520.9	517.0	513.9	510.0	506.7	504.5
22.5°	531.0	526.8	524.0	519.5	515.6	512.0	508.4	504.7	501.1	498.3	495.8
25°	519.2	514.8	511.7	508.1	504.5	501.7	497.2	495.0	491.4	488.8	486.3
27.5°	502.5	499.2	496.4	492.7	489.7	487.5	484.1	481.9	478.8	476.6	474.6
30°	478.0	475.2	472.7	469.0	466.8	464.9	461.8	459.8	457.6	455.1	454.5
32.5°	445.1	442.8	440.3	437.8	436.1	435.0	432.5	431.4	429.2	427.8	426.4
35°	395.4	393.5	392.1	391.0	390.4	390.7	390.1	391.2	391.8	391.5	391.8
37.5°	330.5	329.3	329.9	330.7	333.5	337.1	340.5	345.5	348.9	352.2	355.3
40°	257.9	258.8	261.0	266.0	273.3	281.4	288.9	298.4	307.9	314.6	320.7
42.5°	194.6	197.2	202.7	210.0	220.9	232.8	244.6	258.5	269.9	281.1	288.9
45°	146.4	149.7	157.0	167.0	179.0	193.0	207.8	223.4	237.0	248.5	257.1
47.5°	114.1	117.1	124.4	135.0	149.7	164.3	179.6	195.8	210.0	221.1	228.7
50°	90.1	94.0	100.4	111.5	126.3	141.7	157.6	173.4	186.8	196.3	203.0
52.5°	70.8	74.5	80.6	92.3	107.4	122.7	137.5	153.1	164.8	174.0	178.5
55°	54.9	58.3	64.7	74.5	88.7	103.7	118.5	131.9	142.8	149.5	153.7
57.5°	41.8	44.3	48.8	58.6	71.4	85.3	97.9	111.3	119.6	124.4	127.2
60°	31.8	33.7	38.5	46.0	57.7	69.7	80.3	90.4	97.0	101.0	103.7
62.5°	24.0	26.2	29.6	36.0	44.9	54.7	63.6	71.1	76.7	79.2	81.2
65°	16.4	18.1	20.6	25.7	33.2	40.2	47.1	52.7	56.3	59.1	60.2
67.5°	12.3	13.4	14.8	18.7	24.0	29.6	34.3	38.2	42.1	43.2	45.2
70°	9.2	10.0	11.4	14.2	17.3	21.2	25.1	27.3	30.1	32.1	32.6
72.5°	5.9	6.1	7.5	9.2	11.7	14.2	16.7	18.7	20.4	21.5	22.0
75°	3.4	5.0	5.0	6.7	8.4	9.5	11.2	12.5	13.4	14.2	14.2
77.5°	2.2	3.1	3.4	4.2	5.0	6.4	7.8	8.6	9.5	9.8	9.8
80°	2.0	2.2	2.2	3.1	3.6	4.7	5.6	5.9	6.4	6.7	7.3
82.5°	0.8	1.1	1.4	2.2	2.5	2.5	3.4	3.6	4.2	4.5	4.5
85°	0.3	0.6	0.6	0.8	1.4	1.7	2.0	2.2	2.5	2.5	2.8
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.1	1.1	1.1	1.7	1.7
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: P246000

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	571.1	571.1	571.1	571.1	571.1	571.1	571.1
2.5°	566.1	566.4	565.3	565.0	564.4	564.7	565.3
5°	555.8	556.0	554.9	553.8	553.8	553.5	553.8
7.5°	546.0	546.3	544.6	544.1	542.9	543.2	543.2
10°	536.2	536.2	533.7	533.5	532.6	532.3	532.3
12.5°	526.8	525.9	524.0	522.9	523.4	521.8	521.8
15°	518.4	517.0	514.5	513.7	512.3	511.7	511.7
17.5°	509.8	508.6	506.4	504.7	503.1	502.8	503.1
20°	501.4	500.3	497.5	496.4	495.0	495.0	494.4
22.5°	493.0	491.9	489.4	488.6	486.6	486.6	486.9
25°	484.4	483.5	480.8	480.2	479.9	478.8	479.4
27.5°	472.7	472.1	469.9	469.0	467.9	467.7	468.2
30°	451.2	450.4	448.7	447.9	445.9	446.2	446.7
32.5°	424.4	423.3	421.1	420.2	418.6	418.0	418.3
35°	391.0	390.1	388.2	388.2	386.5	385.9	386.5
37.5°	356.9	357.8	356.9	357.8	356.9	356.7	356.9
40°	324.9	327.9	328.5	331.6	330.5	332.1	331.8
42.5°	294.2	299.2	301.2	303.7	303.1	304.2	305.1
45°	263.2	267.4	269.4	271.1	271.3	271.9	272.2
47.5°	234.0	237.3	237.6	239.5	239.3	239.3	240.1
50°	206.6	208.9	209.4	210.8	209.7	209.1	209.4
52.5°	181.3	183.5	182.9	183.5	182.1	181.5	181.8
55°	155.3	156.4	156.4	156.4	154.8	154.8	154.8
57.5°	128.8	129.1	128.6	128.8	128.6	126.9	126.6
60°	104.6	104.6	104.3	104.6	103.7	102.9	102.9
62.5°	81.7	82.3	83.4	82.3	81.7	82.3	81.4
65°	61.1	62.2	61.9	62.5	62.2	62.2	61.6
67.5°	46.0	46.3	46.6	46.9	46.9	46.9	46.9
70°	33.7	34.6	34.3	34.3	34.3	34.3	36.0
72.5°	22.6	23.7	23.4	24.0	24.0	24.5	24.0
75°	15.3	16.4	15.9	16.7	16.4	15.9	17.3
77.5°	10.3	10.9	11.2	11.4	11.2	10.9	11.2
80°	7.3	7.8	7.5	7.8	7.8	7.8	8.1
82.5°	4.5	5.3	5.0	5.3	5.0	5.3	5.3
85°	3.1	3.4	2.8	3.4	3.1	3.1	3.6
87.5°	2.0	1.7	1.7	2.0	1.7	2.0	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)