

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: P245856

Luminaire Tested: **LD8B10D010 ER8B10935 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245856
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 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 900.0 lumens
Efficiency: N/A
Efficacy: 88.2 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

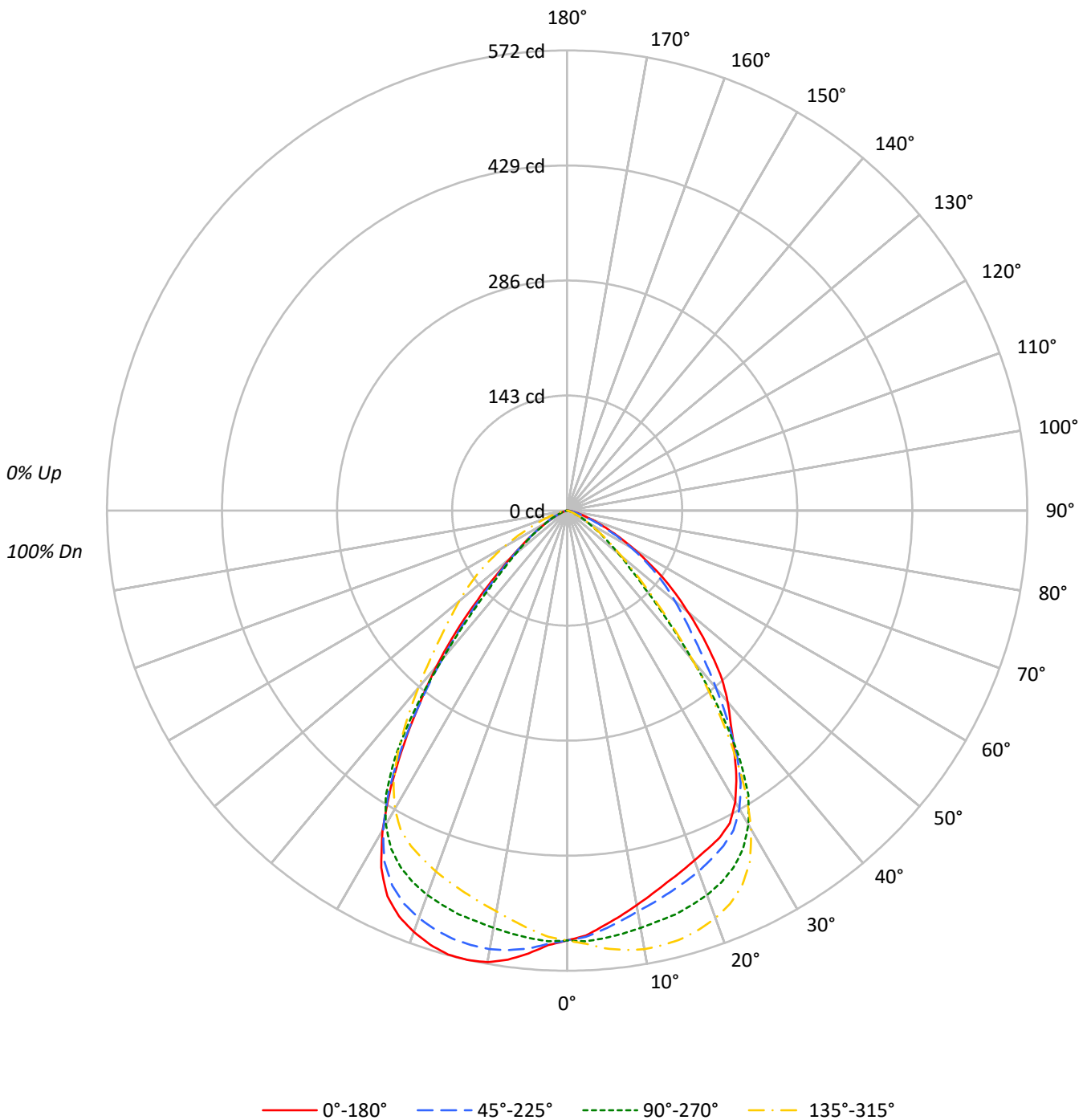
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16476	16476	16476	16476
5°	16037	16514	17105	16514
10°	15593	16492	17848	16492
15°	15282	16591	18238	16591
20°	15180	16687	18288	16687
25°	15260	16651	17992	16651
30°	14880	16044	16329	16044
35°	13612	13996	13277	13996
40°	12499	9733	10164	9733
45°	11103	5940	6873	5940
50°	9398	3967	4404	3967
55°	7785	2710	2860	2710
60°	5939	1801	1819	1801
65°	4210	1124	1029	1124
70°	3038	748	685	748
75°	1930	369	310	369
80°	1350	284	231	284
85°	1203	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	5.7
10°-20°	147.3	16.4
20°-30°	223.0	24.8
30°-40°	223.5	24.8
40°-50°	140.3	15.6
50°-60°	74.8	8.3
60°-70°	30.8	3.4
70°-80°	8.1	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°	421.1	46.8
0°-40°	644.6	71.6
0°-60°	859.7	95.5
0°-90°	900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	534	534	534	534	534	
5°	518	534	553	534	518	49
15°	479	520	571	520	479	135
25°	448	489	529	489	448	206
35°	362	372	353	372	362	227
45°	255	136	158	136	255	196
55°	145	50	53	50	145	129
65°	58	15	14	15	58	60
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°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	528.8	528.3	528.0	528.6	528.8	529.9	529.6	530.1	530.1	530.4	530.9
5°	518.1	517.9	518.1	518.1	519.2	520.2	520.0	520.7	521.3	522.6	523.1
7.5°	508.2	508.2	507.9	509.0	509.5	511.1	510.8	512.1	512.9	514.2	516.0
10°	498.0	498.0	498.3	499.1	499.3	501.7	501.7	503.5	504.6	505.9	508.2
12.5°	488.1	488.1	489.7	489.2	490.2	492.0	492.8	494.6	496.2	498.8	501.2
15°	478.7	478.7	479.3	480.6	481.3	483.7	485.0	487.1	488.9	491.5	494.9
17.5°	470.6	470.4	470.6	472.2	473.8	475.9	476.9	479.5	481.3	484.7	487.9
20°	462.6	463.1	463.1	464.4	465.4	468.0	469.1	472.0	474.0	477.2	480.8
22.5°	455.5	455.3	455.3	457.1	457.9	460.2	461.2	463.9	466.2	468.8	472.2
25°	448.5	447.9	449.0	449.3	449.8	452.4	453.2	455.0	457.3	459.7	463.1
27.5°	438.0	437.5	437.8	438.8	439.6	441.7	442.2	444.0	445.9	447.9	450.8
30°	417.9	417.4	417.2	419.0	419.8	421.3	422.1	425.3	425.8	428.1	430.2
32.5°	391.3	391.1	391.6	393.2	393.9	396.0	397.1	398.9	400.2	401.5	403.6
35°	361.6	361.1	361.6	363.2	363.2	365.0	365.8	366.5	366.3	366.5	366.0
37.5°	333.9	333.7	333.9	334.7	333.9	334.7	333.9	332.4	329.5	326.4	323.2
40°	310.5	310.7	309.2	310.2	307.3	306.8	303.9	300.0	294.3	288.0	279.2
42.5°	285.4	284.6	283.6	284.1	281.8	279.9	275.2	270.3	263.0	252.5	241.8
45°	254.6	254.4	253.8	253.6	252.0	250.2	246.3	240.5	232.5	221.8	209.0
47.5°	224.6	223.8	223.8	224.1	222.3	222.0	218.9	213.9	206.9	196.4	183.1
50°	195.9	195.7	196.2	197.2	195.9	195.4	193.3	189.9	183.7	174.8	162.3
52.5°	170.1	169.8	170.4	171.7	171.1	171.7	169.6	167.0	162.8	154.2	143.2
55°	144.8	144.8	144.8	146.4	146.4	146.4	145.3	143.8	139.8	133.6	123.4
57.5°	118.4	118.7	120.3	120.5	120.3	120.8	120.5	119.0	116.4	111.9	104.1
60°	96.3	96.3	97.1	97.8	97.6	97.8	97.8	97.1	94.4	90.8	84.5
62.5°	76.2	77.0	76.4	77.0	78.0	77.0	76.4	75.9	74.1	71.7	66.5
65°	57.7	58.2	58.2	58.4	57.9	58.2	57.1	56.4	55.3	52.7	49.3
67.5°	43.8	43.8	43.8	43.8	43.6	43.3	43.1	42.3	40.4	39.4	35.7
70°	33.7	32.1	32.1	32.1	32.1	32.4	31.6	30.5	30.0	28.2	25.6
72.5°	22.4	23.0	22.4	22.4	21.9	22.2	21.1	20.6	20.1	19.0	17.5
75°	16.2	14.9	15.4	15.7	14.9	15.4	14.3	13.3	13.3	12.5	11.7
77.5°	10.4	10.2	10.4	10.7	10.4	10.2	9.7	9.1	9.1	8.9	8.1
80°	7.6	7.3	7.3	7.3	7.0	7.3	6.8	6.8	6.3	6.0	5.5
82.5°	5.0	5.0	4.7	5.0	4.7	5.0	4.2	4.2	4.2	3.9	3.4
85°	3.4	2.9	2.9	3.1	2.6	3.1	2.9	2.6	2.4	2.4	2.1
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	531.7	531.9	531.9	533.0	533.5	533.8	533.8	535.9	535.1	535.6	536.1
5°	524.1	525.7	526.2	526.2	529.1	530.1	531.2	533.5	533.8	535.3	537.2
7.5°	516.8	518.6	519.7	522.0	523.9	525.7	528.8	530.4	531.9	534.0	536.4
10°	509.8	511.9	514.0	515.8	518.6	521.0	523.1	526.7	528.6	531.4	534.6
12.5°	503.0	505.9	507.7	510.8	514.0	516.0	519.2	522.6	525.4	528.3	531.9
15°	497.0	500.4	502.5	505.9	509.3	512.1	515.5	519.7	521.8	525.2	528.6
17.5°	490.5	494.1	496.7	499.9	504.0	507.2	510.0	514.2	516.8	520.5	524.4
20°	483.7	487.3	490.5	493.6	497.8	500.9	504.3	508.5	511.3	515.0	518.1
22.5°	475.6	479.0	482.4	486.0	490.2	492.8	496.7	500.4	503.5	506.9	510.0
25°	465.2	469.3	472.0	475.3	478.7	481.6	485.8	489.4	492.0	495.2	498.0
27.5°	452.9	456.0	458.1	461.0	464.4	467.0	470.1	473.8	476.4	479.3	481.3
30°	432.0	434.9	436.7	438.8	442.2	444.6	447.2	450.6	452.4	454.5	456.3
32.5°	404.6	407.0	408.0	409.6	411.9	414.3	416.4	419.2	420.0	421.3	421.3
35°	365.0	365.5	365.2	365.8	366.8	368.1	369.9	371.8	372.8	372.8	372.0
37.5°	318.5	315.4	312.0	309.4	308.6	308.1	309.2	309.9	311.0	311.5	310.2
40°	270.3	263.2	255.7	248.9	244.2	242.1	241.3	241.8	241.8	243.7	243.7
42.5°	228.8	217.8	206.6	196.4	189.7	184.5	182.1	182.1	182.4	183.7	184.5
45°	194.4	180.5	167.5	156.3	146.9	140.1	137.0	136.2	135.9	136.4	138.3
47.5°	168.0	153.7	140.1	126.3	116.4	109.6	106.7	105.7	104.6	105.7	105.9
50°	147.4	132.5	118.2	104.4	93.9	87.9	84.3	82.7	82.4	82.4	83.0
52.5°	128.6	114.8	100.4	86.4	75.4	69.7	66.3	65.5	64.4	65.5	65.5
55°	110.9	97.1	83.0	69.7	60.5	54.5	51.4	50.4	49.8	50.6	50.6
57.5°	91.6	79.8	66.8	54.8	45.7	41.5	39.1	37.8	37.6	38.1	37.6
60°	75.1	65.2	54.0	43.1	36.0	31.6	29.7	29.2	28.7	29.2	29.2
62.5°	59.5	51.1	42.0	33.7	27.7	24.5	22.4	22.4	22.2	22.2	22.4
65°	44.1	37.6	31.0	24.0	19.3	17.0	15.4	15.4	15.1	15.4	15.1
67.5°	32.1	27.7	22.4	17.5	13.8	12.5	11.5	10.7	11.2	10.7	10.4
70°	23.5	19.8	16.2	13.3	10.7	9.4	8.6	8.3	7.8	7.8	7.8
72.5°	15.7	13.3	11.0	8.6	7.0	5.7	5.5	5.0	4.4	4.7	5.2
75°	10.4	8.9	7.8	6.3	4.7	4.7	3.1	3.1	2.6	3.1	2.4
77.5°	7.3	6.0	4.7	3.9	3.1	2.9	2.1	2.1	1.8	1.8	1.8
80°	5.2	4.4	3.4	2.9	2.1	2.1	1.8	1.6	1.3	1.3	1.6
82.5°	3.1	2.4	2.4	2.1	1.3	1.0	0.8	1.0	0.5	0.5	0.5
85°	1.8	1.6	1.3	0.8	0.5	0.5	0.3	0.0	0.3	0.3	0.0
87.5°	1.0	0.5	0.5	0.3	0.0	0.3	0.3	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°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	537.4	537.2	537.7	537.7	539.3	539.0	539.8	539.8	539.3	539.5	540.6
5°	539.3	540.0	541.6	542.9	545.3	546.3	547.6	548.9	549.2	550.0	550.7
7.5°	539.3	541.9	543.7	546.0	549.2	551.0	553.9	556.2	557.3	558.6	560.1
10°	538.2	540.8	544.2	546.8	550.7	553.6	556.5	560.1	561.7	563.8	565.9
12.5°	536.1	539.0	542.6	546.0	550.5	553.1	556.7	560.1	562.5	565.3	567.7
15°	533.0	536.4	539.8	543.2	547.9	551.0	554.4	558.3	560.7	563.8	565.9
17.5°	528.0	531.7	534.8	538.0	542.4	546.0	549.2	552.8	555.2	557.8	560.7
20°	522.0	525.4	528.8	531.4	535.9	539.0	542.4	545.8	547.6	548.1	552.6
22.5°	514.5	516.8	519.4	523.6	526.2	529.1	532.2	535.3	537.2	540.0	541.6
25°	501.9	504.3	507.2	509.0	512.1	514.5	517.6	521.0	522.0	524.1	525.7
27.5°	484.5	485.8	487.1	488.6	490.5	491.8	493.6	495.2	496.2	497.3	498.3
30°	456.8	456.8	456.8	455.8	456.6	457.3	457.6	457.3	457.3	457.1	457.1
32.5°	420.3	418.2	415.9	413.8	413.0	411.9	411.4	410.6	409.3	408.6	408.8
35°	371.0	366.3	363.4	360.8	358.7	357.2	356.4	355.6	355.3	354.3	353.2
37.5°	309.4	306.0	303.9	302.4	300.5	299.0	299.2	299.5	300.3	299.8	300.0
40°	244.2	243.4	244.2	242.4	241.8	242.4	243.7	245.5	246.5	247.6	249.4
42.5°	185.8	187.1	188.9	188.9	189.7	190.7	192.3	195.1	196.7	198.5	200.6
45°	139.8	141.4	143.8	144.5	145.1	146.4	148.2	150.5	151.6	153.1	155.0
47.5°	107.7	108.8	110.1	111.4	112.7	113.2	115.1	115.1	116.4	117.4	117.9
50°	84.0	85.0	86.1	86.9	87.4	88.2	88.7	89.5	89.7	90.3	90.5
52.5°	65.7	67.1	67.1	67.6	68.4	69.1	68.9	69.1	69.4	69.4	70.2
55°	51.4	51.4	52.2	52.2	52.7	52.4	52.7	52.7	52.7	52.7	53.0
57.5°	38.3	38.6	39.4	38.9	38.6	39.1	38.6	39.1	38.9	39.4	38.6
60°	29.5	29.5	29.7	29.7	30.0	30.0	30.0	29.7	29.7	29.5	29.5
62.5°	22.2	22.4	22.7	22.4	22.4	22.4	22.2	22.2	21.9	21.6	21.6
65°	14.9	14.6	15.1	14.6	14.9	14.9	14.6	14.9	14.1	14.3	14.1
67.5°	10.7	10.4	10.2	10.4	10.2	9.9	9.9	10.2	10.4	9.7	9.7
70°	7.0	7.3	7.0	7.3	7.6	7.6	7.3	7.0	7.3	6.8	7.0
72.5°	4.4	4.4	4.4	4.4	4.4	4.7	4.7	4.7	4.2	4.2	3.9
75°	2.1	2.9	2.4	2.1	2.9	2.9	2.6	2.6	2.4	2.4	2.4
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°	1.0	1.0	1.0	0.8	1.0	1.0	1.3	1.0	1.0	0.8	1.3
82.5°	0.5	0.5	0.5	0.0	0.3	0.5	0.5	0.3	0.5	0.5	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: P245856

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	540.3	540.0	540.3	540.6	540.3	540.0	540.3	540.6	539.5	539.3	539.8
5°	551.8	551.8	552.3	552.6	552.3	551.8	551.8	550.7	550.0	549.2	548.9
7.5°	561.7	562.2	562.7	563.0	562.7	562.2	561.7	560.1	558.6	557.3	556.2
10°	567.7	568.5	569.5	570.0	569.5	568.5	567.7	565.9	563.8	561.7	560.1
12.5°	570.3	571.1	572.4	572.1	572.4	571.1	570.3	567.7	565.3	562.5	560.1
15°	568.5	569.5	570.8	571.3	570.8	569.5	568.5	565.9	563.8	560.7	558.3
17.5°	562.7	564.3	565.1	565.9	565.1	564.3	562.7	560.7	557.8	555.2	552.8
20°	554.9	556.0	557.0	557.3	557.0	556.0	554.9	552.6	548.1	547.6	545.8
22.5°	543.7	544.5	546.8	546.0	546.8	544.5	543.7	541.6	540.0	537.2	535.3
25°	527.5	528.3	528.6	528.8	528.6	528.3	527.5	525.7	524.1	522.0	521.0
27.5°	499.6	499.6	500.1	500.4	500.1	499.6	499.6	498.3	497.3	496.2	495.2
30°	457.3	457.3	457.3	458.6	457.3	457.3	457.3	457.1	457.1	457.3	457.3
32.5°	408.6	408.0	407.5	408.0	407.5	408.0	408.6	408.8	408.6	409.3	410.6
35°	353.2	353.0	353.8	352.7	353.8	353.0	353.2	353.2	354.3	355.3	355.6
37.5°	300.3	299.8	300.8	299.8	300.8	299.8	300.3	300.0	299.8	300.3	299.5
40°	249.9	250.5	250.5	252.5	250.5	250.5	249.9	249.4	247.6	246.5	245.5
42.5°	201.7	203.2	202.7	204.3	202.7	203.2	201.7	200.6	198.5	196.7	195.1
45°	156.0	157.1	157.1	157.6	157.1	157.1	156.0	155.0	153.1	151.6	150.5
47.5°	119.7	119.7	119.7	120.0	119.7	119.7	119.7	117.9	117.4	116.4	115.1
50°	91.1	91.3	91.6	91.8	91.6	91.3	91.1	90.5	90.3	89.7	89.5
52.5°	69.9	70.2	69.7	70.2	69.7	70.2	69.9	70.2	69.4	69.4	69.1
55°	53.0	52.7	53.0	53.2	53.0	52.7	53.0	53.0	52.7	52.7	52.7
57.5°	38.9	38.3	38.3	38.3	38.3	38.3	38.9	38.6	39.4	38.9	39.1
60°	29.0	29.2	29.2	29.5	29.2	29.2	29.0	29.5	29.5	29.7	29.7
62.5°	21.4	22.2	21.6	22.2	21.6	22.2	21.4	21.6	21.6	21.9	22.2
65°	13.8	13.8	13.8	14.1	13.8	13.8	13.8	14.1	14.3	14.1	14.9
67.5°	9.4	9.7	10.2	9.9	10.2	9.7	9.4	9.7	9.7	10.4	10.2
70°	7.6	6.8	6.8	7.6	6.8	6.8	7.6	7.0	6.8	7.3	7.0
72.5°	4.4	3.9	4.4	4.4	4.4	3.9	4.4	3.9	4.2	4.2	4.7
75°	2.4	2.1	1.8	2.6	1.8	2.1	2.4	2.4	2.4	2.4	2.6
77.5°	1.6	1.3	1.8	1.8	1.8	1.3	1.6	1.3	1.6	1.3	1.6
80°	0.8	1.0	0.8	1.3	0.8	1.0	0.8	1.3	0.8	1.0	1.0
82.5°	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.5	0.5	0.3
85°	0.0	0.5	0.3	0.3	0.3	0.5	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: P245856

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	539.8	539.0	539.3	537.7	537.7	537.2	537.4	536.1	535.6	535.1	535.9
5°	547.6	546.3	545.3	542.9	541.6	540.0	539.3	537.2	535.3	533.8	533.5
7.5°	553.9	551.0	549.2	546.0	543.7	541.9	539.3	536.4	534.0	531.9	530.4
10°	556.5	553.6	550.7	546.8	544.2	540.8	538.2	534.6	531.4	528.6	526.7
12.5°	556.7	553.1	550.5	546.0	542.6	539.0	536.1	531.9	528.3	525.4	522.6
15°	554.4	551.0	547.9	543.2	539.8	536.4	533.0	528.6	525.2	521.8	519.7
17.5°	549.2	546.0	542.4	538.0	534.8	531.7	528.0	524.4	520.5	516.8	514.2
20°	542.4	539.0	535.9	531.4	528.8	525.4	522.0	518.1	515.0	511.3	508.5
22.5°	532.2	529.1	526.2	523.6	519.4	516.8	514.5	510.0	506.9	503.5	500.4
25°	517.6	514.5	512.1	509.0	507.2	504.3	501.9	498.0	495.2	492.0	489.4
27.5°	493.6	491.8	490.5	488.6	487.1	485.8	484.5	481.3	479.3	476.4	473.8
30°	457.6	457.3	456.6	455.8	456.8	456.8	456.8	456.3	454.5	452.4	450.6
32.5°	411.4	411.9	413.0	413.8	415.9	418.2	420.3	421.3	421.3	420.0	419.2
35°	356.4	357.2	358.7	360.8	363.4	366.3	371.0	372.0	372.8	372.8	371.8
37.5°	299.2	299.0	300.5	302.4	303.9	306.0	309.4	310.2	311.5	311.0	309.9
40°	243.7	242.4	241.8	242.4	244.2	243.4	244.2	243.7	243.7	241.8	241.8
42.5°	192.3	190.7	189.7	188.9	188.9	187.1	185.8	184.5	183.7	182.4	182.1
45°	148.2	146.4	145.1	144.5	143.8	141.4	139.8	138.3	136.4	135.9	136.2
47.5°	115.1	113.2	112.7	111.4	110.1	108.8	107.7	105.9	105.7	104.6	105.7
50°	88.7	88.2	87.4	86.9	86.1	85.0	84.0	83.0	82.4	82.4	82.7
52.5°	68.9	69.1	68.4	67.6	67.1	67.1	65.7	65.5	65.5	64.4	65.5
55°	52.7	52.4	52.7	52.2	52.2	51.4	51.4	50.6	50.6	49.8	50.4
57.5°	38.6	39.1	38.6	38.9	39.4	38.6	38.3	37.6	38.1	37.6	37.8
60°	30.0	30.0	30.0	29.7	29.7	29.5	29.5	29.2	29.2	28.7	29.2
62.5°	22.2	22.4	22.4	22.4	22.7	22.4	22.2	22.4	22.2	22.2	22.4
65°	14.6	14.9	14.9	14.6	15.1	14.6	14.9	15.1	15.4	15.1	15.4
67.5°	9.9	9.9	10.2	10.4	10.2	10.4	10.7	10.4	10.7	11.2	10.7
70°	7.3	7.6	7.6	7.3	7.0	7.3	7.0	7.8	7.8	7.8	8.3
72.5°	4.7	4.7	4.4	4.4	4.4	4.4	4.4	5.2	4.7	4.4	5.0
75°	2.6	2.9	2.9	2.1	2.4	2.9	2.1	2.4	3.1	2.6	3.1
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	1.8	1.8	1.8	2.1
80°	1.3	1.0	1.0	0.8	1.0	1.0	1.0	1.6	1.3	1.3	1.6
82.5°	0.5	0.5	0.3	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	0.3	0.3	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: P245856

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	533.8	533.8	533.5	533.0	531.9	531.9	531.7	530.9	530.4	530.1	530.1
5°	531.2	530.1	529.1	526.2	526.2	525.7	524.1	523.1	522.6	521.3	520.7
7.5°	528.8	525.7	523.9	522.0	519.7	518.6	516.8	516.0	514.2	512.9	512.1
10°	523.1	521.0	518.6	515.8	514.0	511.9	509.8	508.2	505.9	504.6	503.5
12.5°	519.2	516.0	514.0	510.8	507.7	505.9	503.0	501.2	498.8	496.2	494.6
15°	515.5	512.1	509.3	505.9	502.5	500.4	497.0	494.9	491.5	488.9	487.1
17.5°	510.0	507.2	504.0	499.9	496.7	494.1	490.5	487.9	484.7	481.3	479.5
20°	504.3	500.9	497.8	493.6	490.5	487.3	483.7	480.8	477.2	474.0	472.0
22.5°	496.7	492.8	490.2	486.0	482.4	479.0	475.6	472.2	468.8	466.2	463.9
25°	485.8	481.6	478.7	475.3	472.0	469.3	465.2	463.1	459.7	457.3	455.0
27.5°	470.1	467.0	464.4	461.0	458.1	456.0	452.9	450.8	447.9	445.9	444.0
30°	447.2	444.6	442.2	438.8	436.7	434.9	432.0	430.2	428.1	425.8	425.3
32.5°	416.4	414.3	411.9	409.6	408.0	407.0	404.6	403.6	401.5	400.2	398.9
35°	369.9	368.1	366.8	365.8	365.2	365.5	365.0	366.0	366.5	366.3	366.5
37.5°	309.2	308.1	308.6	309.4	312.0	315.4	318.5	323.2	326.4	329.5	332.4
40°	241.3	242.1	244.2	248.9	255.7	263.2	270.3	279.2	288.0	294.3	300.0
42.5°	182.1	184.5	189.7	196.4	206.6	217.8	228.8	241.8	252.5	263.0	270.3
45°	137.0	140.1	146.9	156.3	167.5	180.5	194.4	209.0	221.8	232.5	240.5
47.5°	106.7	109.6	116.4	126.3	140.1	153.7	168.0	183.1	196.4	206.9	213.9
50°	84.3	87.9	93.9	104.4	118.2	132.5	147.4	162.3	174.8	183.7	189.9
52.5°	66.3	69.7	75.4	86.4	100.4	114.8	128.6	143.2	154.2	162.8	167.0
55°	51.4	54.5	60.5	69.7	83.0	97.1	110.9	123.4	133.6	139.8	143.8
57.5°	39.1	41.5	45.7	54.8	66.8	79.8	91.6	104.1	111.9	116.4	119.0
60°	29.7	31.6	36.0	43.1	54.0	65.2	75.1	84.5	90.8	94.4	97.1
62.5°	22.4	24.5	27.7	33.7	42.0	51.1	59.5	66.5	71.7	74.1	75.9
65°	15.4	17.0	19.3	24.0	31.0	37.6	44.1	49.3	52.7	55.3	56.4
67.5°	11.5	12.5	13.8	17.5	22.4	27.7	32.1	35.7	39.4	40.4	42.3
70°	8.6	9.4	10.7	13.3	16.2	19.8	23.5	25.6	28.2	30.0	30.5
72.5°	5.5	5.7	7.0	8.6	11.0	13.3	15.7	17.5	19.0	20.1	20.6
75°	3.1	4.7	4.7	6.3	7.8	8.9	10.4	11.7	12.5	13.3	13.3
77.5°	2.1	2.9	3.1	3.9	4.7	6.0	7.3	8.1	8.9	9.1	9.1
80°	1.8	2.1	2.1	2.9	3.4	4.4	5.2	5.5	6.0	6.3	6.8
82.5°	0.8	1.0	1.3	2.1	2.4	2.4	3.1	3.4	3.9	4.2	4.2
85°	0.3	0.5	0.5	0.8	1.3	1.6	1.8	2.1	2.4	2.4	2.6
87.5°	0.3	0.3	0.0	0.3	0.5	0.5	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: P245856

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	529.6	529.9	528.8	528.6	528.0	528.3	528.8
5°	520.0	520.2	519.2	518.1	518.1	517.9	518.1
7.5°	510.8	511.1	509.5	509.0	507.9	508.2	508.2
10°	501.7	501.7	499.3	499.1	498.3	498.0	498.0
12.5°	492.8	492.0	490.2	489.2	489.7	488.1	488.1
15°	485.0	483.7	481.3	480.6	479.3	478.7	478.7
17.5°	476.9	475.9	473.8	472.2	470.6	470.4	470.6
20°	469.1	468.0	465.4	464.4	463.1	463.1	462.6
22.5°	461.2	460.2	457.9	457.1	455.3	455.3	455.5
25°	453.2	452.4	449.8	449.3	449.0	447.9	448.5
27.5°	442.2	441.7	439.6	438.8	437.8	437.5	438.0
30°	422.1	421.3	419.8	419.0	417.2	417.4	417.9
32.5°	397.1	396.0	393.9	393.2	391.6	391.1	391.3
35°	365.8	365.0	363.2	363.2	361.6	361.1	361.6
37.5°	333.9	334.7	333.9	334.7	333.9	333.7	333.9
40°	303.9	306.8	307.3	310.2	309.2	310.7	310.5
42.5°	275.2	279.9	281.8	284.1	283.6	284.6	285.4
45°	246.3	250.2	252.0	253.6	253.8	254.4	254.6
47.5°	218.9	222.0	222.3	224.1	223.8	223.8	224.6
50°	193.3	195.4	195.9	197.2	196.2	195.7	195.9
52.5°	169.6	171.7	171.1	171.7	170.4	169.8	170.1
55°	145.3	146.4	146.4	146.4	144.8	144.8	144.8
57.5°	120.5	120.8	120.3	120.5	120.3	118.7	118.4
60°	97.8	97.8	97.6	97.8	97.1	96.3	96.3
62.5°	76.4	77.0	78.0	77.0	76.4	77.0	76.2
65°	57.1	58.2	57.9	58.4	58.2	58.2	57.7
67.5°	43.1	43.3	43.6	43.8	43.8	43.8	43.8
70°	31.6	32.4	32.1	32.1	32.1	32.1	33.7
72.5°	21.1	22.2	21.9	22.4	22.4	23.0	22.4
75°	14.3	15.4	14.9	15.7	15.4	14.9	16.2
77.5°	9.7	10.2	10.4	10.7	10.4	10.2	10.4
80°	6.8	7.3	7.0	7.3	7.3	7.3	7.6
82.5°	4.2	5.0	4.7	5.0	4.7	5.0	5.0
85°	2.9	3.1	2.6	3.1	2.9	2.9	3.4
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)