

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: P245910

Luminaire Tested: **LD8B10D010 ER8B10850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245910
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 ER8B10850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 882.0 lumens
Efficiency: N/A
Efficacy: 86.5 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

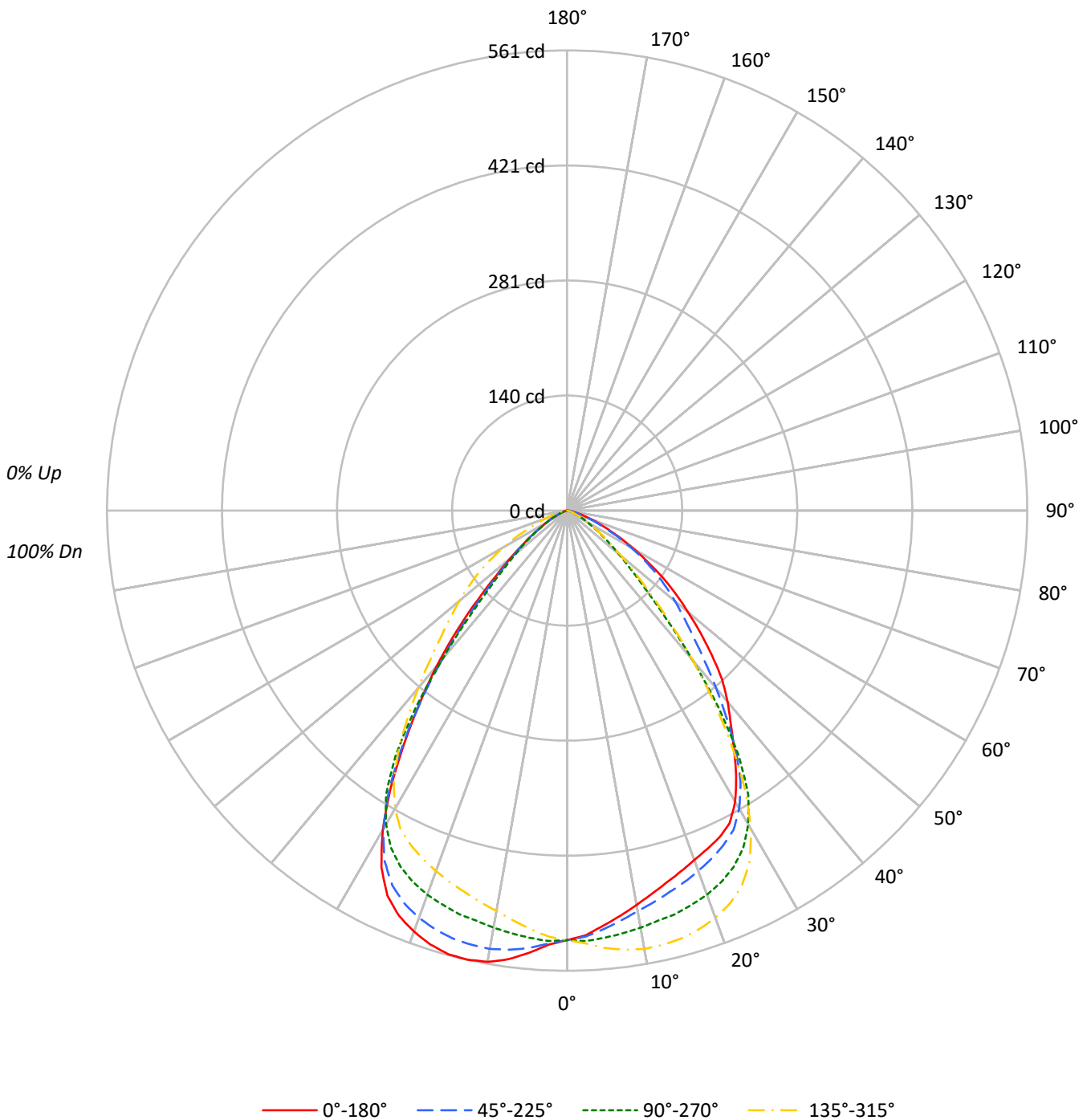
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16146	16146	16146	16146
5°	15718	16183	16762	16183
10°	15283	16163	17491	16163
15°	14979	16259	17874	16259
20°	14875	16352	17920	16352
25°	14954	16318	17631	16318
30°	14585	15720	16005	15720
35°	13341	13714	13014	13714
40°	12245	9540	9963	9540
45°	10880	5822	6733	5822
50°	9211	3886	4318	3886
55°	7629	2650	2806	2650
60°	5816	1764	1782	1764
65°	4123	1102	1007	1102
70°	2975	739	667	739
75°	1882	369	310	369
80°	1314	266	231	266
85°	1168	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	5.7
10°-20°	144.3	16.4
20°-30°	218.5	24.8
30°-40°	219.0	24.8
40°-50°	137.5	15.6
50°-60°	73.3	8.3
60°-70°	30.1	3.4
70°-80°	8.0	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°	412.7	46.8
0°-40°	631.7	71.6
0°-60°	842.6	95.5
0°-90°	882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	882.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	524	524	524	524	524	
5°	508	523	542	523	508	48
15°	469	509	560	509	469	133
25°	440	480	518	480	440	202
35°	354	364	346	364	354	222
45°	250	134	154	134	250	192
55°	142	49	52	49	142	127
65°	56	15	14	15	56	59
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°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	518.2	517.7	517.5	518.0	518.2	519.3	519.0	519.5	519.5	519.8	520.3
5°	507.8	507.5	507.8	507.8	508.8	509.8	509.6	510.3	510.8	512.1	512.6
7.5°	498.1	498.1	497.8	498.8	499.3	500.9	500.6	501.9	502.7	503.9	505.7
10°	488.1	488.1	488.3	489.1	489.4	491.7	491.7	493.4	494.5	495.7	498.1
12.5°	478.4	478.4	479.9	479.4	480.4	482.2	483.0	484.8	486.3	488.8	491.1
15°	469.2	469.2	469.7	470.9	471.7	474.0	475.3	477.3	479.1	481.7	485.0
17.5°	461.2	461.0	461.2	462.8	464.3	466.3	467.4	469.9	471.7	475.0	478.1
20°	453.3	453.8	453.8	455.1	456.1	458.7	459.7	462.5	464.6	467.6	471.2
22.5°	446.4	446.2	446.2	447.9	448.7	451.0	452.0	454.6	456.9	459.4	462.8
25°	439.5	439.0	440.0	440.3	440.8	443.3	444.1	445.9	448.2	450.5	453.8
27.5°	429.3	428.8	429.0	430.0	430.8	432.8	433.4	435.2	436.9	439.0	441.8
30°	409.6	409.1	408.8	410.6	411.4	412.9	413.7	416.7	417.3	419.6	421.6
32.5°	383.5	383.3	383.8	385.3	386.1	388.1	389.1	390.9	392.2	393.5	395.5
35°	354.4	353.8	354.4	355.9	355.9	357.7	358.5	359.2	359.0	359.2	358.7
37.5°	327.3	327.0	327.3	328.0	327.3	328.0	327.3	325.7	322.9	319.8	316.8
40°	304.2	304.5	303.0	304.0	301.2	300.7	297.9	294.0	288.4	282.3	273.6
42.5°	279.7	278.9	277.9	278.4	276.1	274.3	269.7	264.9	257.7	247.5	237.0
45°	249.5	249.3	248.8	248.5	247.0	245.2	241.3	235.7	227.8	217.3	204.8
47.5°	220.1	219.4	219.4	219.6	217.8	217.6	214.5	209.7	202.7	192.5	179.5
50°	192.0	191.8	192.3	193.3	192.0	191.5	189.5	186.1	180.0	171.3	159.0
52.5°	166.7	166.4	167.0	168.2	167.7	168.2	166.2	163.6	159.5	151.1	140.4
55°	141.9	141.9	141.9	143.4	143.4	143.4	142.4	140.9	137.0	130.9	120.9
57.5°	116.1	116.3	117.9	118.1	117.9	118.4	118.1	116.6	114.0	109.7	102.0
60°	94.3	94.3	95.1	95.9	95.6	95.9	95.9	95.1	92.6	89.0	82.8
62.5°	74.7	75.4	74.9	75.4	76.4	75.4	74.9	74.4	72.6	70.3	65.2
65°	56.5	57.0	57.0	57.3	56.8	57.0	56.0	55.2	54.2	51.7	48.3
67.5°	43.0	43.0	43.0	43.0	42.7	42.4	42.2	41.4	39.6	38.6	35.0
70°	33.0	31.4	31.4	31.4	31.4	31.7	30.9	29.9	29.4	27.6	25.1
72.5°	22.0	22.5	22.0	22.0	21.5	21.7	20.7	20.2	19.7	18.7	17.1
75°	15.8	14.6	15.1	15.3	14.6	15.1	14.1	13.0	13.0	12.3	11.5
77.5°	10.2	10.0	10.2	10.5	10.2	10.0	9.5	8.9	8.9	8.7	7.9
80°	7.4	7.2	7.2	7.2	6.9	7.2	6.7	6.7	6.1	5.9	5.4
82.5°	4.9	4.9	4.6	4.9	4.6	4.9	4.1	4.1	4.1	3.8	3.3
85°	3.3	2.8	2.8	3.1	2.6	3.1	2.8	2.6	2.3	2.3	2.0
87.5°	1.5	1.8	1.5	1.8	1.5	1.5	1.8	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°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	521.1	521.3	521.3	522.3	522.8	523.1	523.1	525.2	524.4	524.9	525.4
5°	513.6	515.2	515.7	515.7	518.5	519.5	520.5	522.8	523.1	524.6	526.4
7.5°	506.5	508.3	509.3	511.6	513.4	515.2	518.2	519.8	521.3	523.4	525.7
10°	499.6	501.6	503.7	505.5	508.3	510.6	512.6	516.2	518.0	520.8	523.9
12.5°	492.9	495.7	497.5	500.6	503.7	505.7	508.8	512.1	514.9	517.7	521.3
15°	487.1	490.4	492.4	495.7	499.1	501.9	505.2	509.3	511.3	514.7	518.0
17.5°	480.7	484.2	486.8	489.9	494.0	497.0	499.8	503.9	506.5	510.1	513.9
20°	474.0	477.6	480.7	483.7	487.8	490.9	494.2	498.3	501.1	504.7	507.8
22.5°	466.1	469.4	472.7	476.3	480.4	483.0	486.8	490.4	493.4	496.8	499.8
25°	455.9	460.0	462.5	465.8	469.2	472.0	476.1	479.6	482.2	485.3	488.1
27.5°	443.8	446.9	449.0	451.8	455.1	457.7	460.7	464.3	466.9	469.7	471.7
30°	423.4	426.2	428.0	430.0	433.4	435.7	438.2	441.5	443.3	445.4	447.2
32.5°	396.5	398.8	399.9	401.4	403.7	406.0	408.1	410.9	411.6	412.9	412.9
35°	357.7	358.2	357.9	358.5	359.5	360.8	362.5	364.3	365.4	365.4	364.6
37.5°	312.2	309.1	305.8	303.2	302.5	301.9	303.0	303.7	304.8	305.3	304.0
40°	264.9	258.0	250.6	243.9	239.3	237.3	236.5	237.0	237.0	238.8	238.8
42.5°	224.2	213.5	202.5	192.5	185.9	180.8	178.5	178.5	178.7	180.0	180.8
45°	190.5	176.9	164.1	153.2	143.9	137.3	134.2	133.5	133.2	133.7	135.5
47.5°	164.7	150.6	137.3	123.7	114.0	107.4	104.6	103.5	102.5	103.5	103.8
50°	144.5	129.9	115.8	102.3	92.0	86.2	82.6	81.0	80.8	80.8	81.3
52.5°	126.0	112.5	98.4	84.6	73.9	68.3	64.9	64.2	63.2	64.2	64.2
55°	108.7	95.1	81.3	68.3	59.3	53.4	50.4	49.3	48.8	49.6	49.6
57.5°	89.7	78.2	65.5	53.7	44.7	40.7	38.3	37.1	36.8	37.3	36.8
60°	73.6	63.9	52.9	42.2	35.3	30.9	29.2	28.6	28.1	28.6	28.6
62.5°	58.3	50.1	41.2	33.0	27.1	24.0	22.0	22.0	21.7	21.7	22.0
65°	43.2	36.8	30.4	23.5	18.9	16.6	15.1	15.1	14.8	15.1	14.8
67.5°	31.4	27.1	22.0	17.1	13.6	12.3	11.2	10.5	11.0	10.5	10.2
70°	23.0	19.4	15.8	13.0	10.5	9.2	8.4	8.2	7.7	7.7	7.7
72.5°	15.3	13.0	10.7	8.4	6.9	5.6	5.4	4.9	4.3	4.6	5.1
75°	10.2	8.7	7.7	6.1	4.6	4.6	3.1	3.1	2.6	3.1	2.3
77.5°	7.2	5.9	4.6	3.8	3.1	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.1	4.3	3.3	2.8	2.0	2.0	1.8	1.5	1.3	1.3	1.5
82.5°	3.1	2.3	2.3	2.0	1.3	1.0	0.8	1.0	0.5	0.5	0.5
85°	1.8	1.5	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°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	526.7	526.4	526.9	526.9	528.5	528.2	529.0	529.0	528.5	528.7	529.8
5°	528.5	529.2	530.8	532.1	534.3	535.4	536.7	537.9	538.2	539.0	539.7
7.5°	528.5	531.0	532.8	535.1	538.2	540.0	542.8	545.1	546.1	547.4	548.9
10°	527.4	530.0	533.3	535.9	539.7	542.5	545.3	548.9	550.5	552.5	554.6
12.5°	525.4	528.2	531.8	535.1	539.5	542.0	545.6	548.9	551.2	554.0	556.3
15°	522.3	525.7	529.0	532.3	536.9	540.0	543.3	547.1	549.4	552.5	554.6
17.5°	517.5	521.1	524.1	527.2	531.5	535.1	538.2	541.8	544.1	546.6	549.4
20°	511.6	514.9	518.2	520.8	525.2	528.2	531.5	534.9	536.7	537.2	541.5
22.5°	504.2	506.5	509.0	513.1	515.7	518.5	521.6	524.6	526.4	529.2	530.8
25°	491.9	494.2	497.0	498.8	501.9	504.2	507.3	510.6	511.6	513.6	515.2
27.5°	474.8	476.1	477.3	478.9	480.7	481.9	483.7	485.3	486.3	487.3	488.3
30°	447.7	447.7	447.7	446.7	447.4	448.2	448.4	448.2	448.2	447.9	447.9
32.5°	411.9	409.8	407.5	405.5	404.7	403.7	403.2	402.4	401.2	400.4	400.6
35°	363.6	359.0	356.2	353.6	351.6	350.0	349.2	348.5	348.2	347.2	346.2
37.5°	303.2	299.9	297.9	296.3	294.5	293.0	293.3	293.5	294.3	293.8	294.0
40°	239.3	238.5	239.3	237.5	237.0	237.5	238.8	240.6	241.6	242.6	244.4
42.5°	182.0	183.3	185.1	185.1	185.9	186.9	188.4	191.2	192.8	194.6	196.6
45°	137.0	138.6	140.9	141.6	142.2	143.4	145.2	147.5	148.5	150.1	151.9
47.5°	105.6	106.6	107.9	109.2	110.4	111.0	112.8	112.8	114.0	115.1	115.6
50°	82.3	83.3	84.4	85.1	85.7	86.4	86.9	87.7	87.9	88.5	88.7
52.5°	64.4	65.7	65.7	66.2	67.0	67.8	67.5	67.8	68.0	68.0	68.8
55°	50.4	50.4	51.1	51.1	51.7	51.4	51.7	51.7	51.7	51.7	51.9
57.5°	37.6	37.8	38.6	38.1	37.8	38.3	37.8	38.3	38.1	38.6	37.8
60°	28.9	28.9	29.2	29.2	29.4	29.4	29.4	29.2	29.2	28.9	28.9
62.5°	21.7	22.0	22.2	22.0	22.0	22.0	21.7	21.7	21.5	21.2	21.2
65°	14.6	14.3	14.8	14.3	14.6	14.6	14.3	14.6	13.8	14.1	13.8
67.5°	10.5	10.2	10.0	10.2	10.0	9.7	9.7	10.0	10.2	9.5	9.5
70°	6.9	7.2	6.9	7.2	7.4	7.4	7.2	6.9	7.2	6.7	6.9
72.5°	4.3	4.3	4.3	4.3	4.3	4.6	4.6	4.6	4.1	4.1	3.8
75°	2.0	2.8	2.3	2.0	2.8	2.8	2.6	2.6	2.3	2.3	2.3
77.5°	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.5	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: P245910

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	529.5	529.2	529.5	529.8	529.5	529.2	529.5	529.8	528.7	528.5	529.0
5°	540.7	540.7	541.3	541.5	541.3	540.7	540.7	539.7	539.0	538.2	537.9
7.5°	550.5	551.0	551.5	551.7	551.5	551.0	550.5	548.9	547.4	546.1	545.1
10°	556.3	557.1	558.1	558.6	558.1	557.1	556.3	554.6	552.5	550.5	548.9
12.5°	558.9	559.7	560.9	560.7	560.9	559.7	558.9	556.3	554.0	551.2	548.9
15°	557.1	558.1	559.4	559.9	559.4	558.1	557.1	554.6	552.5	549.4	547.1
17.5°	551.5	553.0	553.8	554.6	553.8	553.0	551.5	549.4	546.6	544.1	541.8
20°	543.8	544.8	545.9	546.1	545.9	544.8	543.8	541.5	537.2	536.7	534.9
22.5°	532.8	533.6	535.9	535.1	535.9	533.6	532.8	530.8	529.2	526.4	524.6
25°	517.0	517.7	518.0	518.2	518.0	517.7	517.0	515.2	513.6	511.6	510.6
27.5°	489.6	489.6	490.1	490.4	490.1	489.6	489.6	488.3	487.3	486.3	485.3
30°	448.2	448.2	448.2	449.5	448.2	448.2	448.2	447.9	447.9	448.2	448.2
32.5°	400.4	399.9	399.4	399.9	399.4	399.9	400.4	400.6	400.4	401.2	402.4
35°	346.2	345.9	346.7	345.7	346.7	345.9	346.2	346.2	347.2	348.2	348.5
37.5°	294.3	293.8	294.8	293.8	294.8	293.8	294.3	294.0	293.8	294.3	293.5
40°	244.9	245.4	245.4	247.5	245.4	245.4	244.9	244.4	242.6	241.6	240.6
42.5°	197.6	199.2	198.7	200.2	198.7	199.2	197.6	196.6	194.6	192.8	191.2
45°	152.9	153.9	153.9	154.4	153.9	153.9	152.9	151.9	150.1	148.5	147.5
47.5°	117.3	117.3	117.3	117.6	117.3	117.3	117.3	115.6	115.1	114.0	112.8
50°	89.2	89.5	89.7	90.0	89.7	89.5	89.2	88.7	88.5	87.9	87.7
52.5°	68.5	68.8	68.3	68.8	68.3	68.8	68.5	68.8	68.0	68.0	67.8
55°	51.9	51.7	51.9	52.2	51.9	51.7	51.9	51.9	51.7	51.7	51.7
57.5°	38.1	37.6	37.6	37.6	37.6	37.6	38.1	37.8	38.6	38.1	38.3
60°	28.4	28.6	28.6	28.9	28.6	28.6	28.4	28.9	28.9	29.2	29.2
62.5°	21.0	21.7	21.2	21.7	21.2	21.7	21.0	21.2	21.2	21.5	21.7
65°	13.6	13.6	13.6	13.8	13.6	13.6	13.6	13.8	14.1	13.8	14.6
67.5°	9.2	9.5	10.0	9.7	10.0	9.5	9.2	9.5	9.5	10.2	10.0
70°	7.4	6.7	6.7	7.4	6.7	6.7	7.4	6.9	6.7	7.2	6.9
72.5°	4.3	3.8	4.3	4.3	4.3	3.8	4.3	3.8	4.1	4.1	4.6
75°	2.3	2.0	1.8	2.6	1.8	2.0	2.3	2.3	2.3	2.3	2.6
77.5°	1.5	1.3	1.8	1.8	1.8	1.3	1.5	1.3	1.5	1.3	1.5
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: P245910

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	529.0	528.2	528.5	526.9	526.9	526.4	526.7	525.4	524.9	524.4	525.2
5°	536.7	535.4	534.3	532.1	530.8	529.2	528.5	526.4	524.6	523.1	522.8
7.5°	542.8	540.0	538.2	535.1	532.8	531.0	528.5	525.7	523.4	521.3	519.8
10°	545.3	542.5	539.7	535.9	533.3	530.0	527.4	523.9	520.8	518.0	516.2
12.5°	545.6	542.0	539.5	535.1	531.8	528.2	525.4	521.3	517.7	514.9	512.1
15°	543.3	540.0	536.9	532.3	529.0	525.7	522.3	518.0	514.7	511.3	509.3
17.5°	538.2	535.1	531.5	527.2	524.1	521.1	517.5	513.9	510.1	506.5	503.9
20°	531.5	528.2	525.2	520.8	518.2	514.9	511.6	507.8	504.7	501.1	498.3
22.5°	521.6	518.5	515.7	513.1	509.0	506.5	504.2	499.8	496.8	493.4	490.4
25°	507.3	504.2	501.9	498.8	497.0	494.2	491.9	488.1	485.3	482.2	479.6
27.5°	483.7	481.9	480.7	478.9	477.3	476.1	474.8	471.7	469.7	466.9	464.3
30°	448.4	448.2	447.4	446.7	447.7	447.7	447.7	447.2	445.4	443.3	441.5
32.5°	403.2	403.7	404.7	405.5	407.5	409.8	411.9	412.9	412.9	411.6	410.9
35°	349.2	350.0	351.6	353.6	356.2	359.0	363.6	364.6	365.4	365.4	364.3
37.5°	293.3	293.0	294.5	296.3	297.9	299.9	303.2	304.0	305.3	304.8	303.7
40°	238.8	237.5	237.0	237.5	239.3	238.5	239.3	238.8	238.8	237.0	237.0
42.5°	188.4	186.9	185.9	185.1	185.1	183.3	182.0	180.8	180.0	178.7	178.5
45°	145.2	143.4	142.2	141.6	140.9	138.6	137.0	135.5	133.7	133.2	133.5
47.5°	112.8	111.0	110.4	109.2	107.9	106.6	105.6	103.8	103.5	102.5	103.5
50°	86.9	86.4	85.7	85.1	84.4	83.3	82.3	81.3	80.8	80.8	81.0
52.5°	67.5	67.8	67.0	66.2	65.7	65.7	64.4	64.2	64.2	63.2	64.2
55°	51.7	51.4	51.7	51.1	51.1	50.4	50.4	49.6	49.6	48.8	49.3
57.5°	37.8	38.3	37.8	38.1	38.6	37.8	37.6	36.8	37.3	36.8	37.1
60°	29.4	29.4	29.4	29.2	29.2	28.9	28.9	28.6	28.6	28.1	28.6
62.5°	21.7	22.0	22.0	22.0	22.2	22.0	21.7	22.0	21.7	21.7	22.0
65°	14.3	14.6	14.6	14.3	14.8	14.3	14.6	14.8	15.1	14.8	15.1
67.5°	9.7	9.7	10.0	10.2	10.0	10.2	10.5	10.2	10.5	11.0	10.5
70°	7.2	7.4	7.4	7.2	6.9	7.2	6.9	7.7	7.7	7.7	8.2
72.5°	4.6	4.6	4.3	4.3	4.3	4.3	4.3	5.1	4.6	4.3	4.9
75°	2.6	2.8	2.8	2.0	2.3	2.8	2.0	2.3	3.1	2.6	3.1
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.0	1.8	1.8	1.8	2.0
80°	1.3	1.0	1.0	0.8	1.0	1.0	1.0	1.5	1.3	1.3	1.5
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: P245910

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	523.1	523.1	522.8	522.3	521.3	521.3	521.1	520.3	519.8	519.5	519.5
5°	520.5	519.5	518.5	515.7	515.7	515.2	513.6	512.6	512.1	510.8	510.3
7.5°	518.2	515.2	513.4	511.6	509.3	508.3	506.5	505.7	503.9	502.7	501.9
10°	512.6	510.6	508.3	505.5	503.7	501.6	499.6	498.1	495.7	494.5	493.4
12.5°	508.8	505.7	503.7	500.6	497.5	495.7	492.9	491.1	488.8	486.3	484.8
15°	505.2	501.9	499.1	495.7	492.4	490.4	487.1	485.0	481.7	479.1	477.3
17.5°	499.8	497.0	494.0	489.9	486.8	484.2	480.7	478.1	475.0	471.7	469.9
20°	494.2	490.9	487.8	483.7	480.7	477.6	474.0	471.2	467.6	464.6	462.5
22.5°	486.8	483.0	480.4	476.3	472.7	469.4	466.1	462.8	459.4	456.9	454.6
25°	476.1	472.0	469.2	465.8	462.5	460.0	455.9	453.8	450.5	448.2	445.9
27.5°	460.7	457.7	455.1	451.8	449.0	446.9	443.8	441.8	439.0	436.9	435.2
30°	438.2	435.7	433.4	430.0	428.0	426.2	423.4	421.6	419.6	417.3	416.7
32.5°	408.1	406.0	403.7	401.4	399.9	398.8	396.5	395.5	393.5	392.2	390.9
35°	362.5	360.8	359.5	358.5	357.9	358.2	357.7	358.7	359.2	359.0	359.2
37.5°	303.0	301.9	302.5	303.2	305.8	309.1	312.2	316.8	319.8	322.9	325.7
40°	236.5	237.3	239.3	243.9	250.6	258.0	264.9	273.6	282.3	288.4	294.0
42.5°	178.5	180.8	185.9	192.5	202.5	213.5	224.2	237.0	247.5	257.7	264.9
45°	134.2	137.3	143.9	153.2	164.1	176.9	190.5	204.8	217.3	227.8	235.7
47.5°	104.6	107.4	114.0	123.7	137.3	150.6	164.7	179.5	192.5	202.7	209.7
50°	82.6	86.2	92.0	102.3	115.8	129.9	144.5	159.0	171.3	180.0	186.1
52.5°	64.9	68.3	73.9	84.6	98.4	112.5	126.0	140.4	151.1	159.5	163.6
55°	50.4	53.4	59.3	68.3	81.3	95.1	108.7	120.9	130.9	137.0	140.9
57.5°	38.3	40.7	44.7	53.7	65.5	78.2	89.7	102.0	109.7	114.0	116.6
60°	29.2	30.9	35.3	42.2	52.9	63.9	73.6	82.8	89.0	92.6	95.1
62.5°	22.0	24.0	27.1	33.0	41.2	50.1	58.3	65.2	70.3	72.6	74.4
65°	15.1	16.6	18.9	23.5	30.4	36.8	43.2	48.3	51.7	54.2	55.2
67.5°	11.2	12.3	13.6	17.1	22.0	27.1	31.4	35.0	38.6	39.6	41.4
70°	8.4	9.2	10.5	13.0	15.8	19.4	23.0	25.1	27.6	29.4	29.9
72.5°	5.4	5.6	6.9	8.4	10.7	13.0	15.3	17.1	18.7	19.7	20.2
75°	3.1	4.6	4.6	6.1	7.7	8.7	10.2	11.5	12.3	13.0	13.0
77.5°	2.0	2.8	3.1	3.8	4.6	5.9	7.2	7.9	8.7	8.9	8.9
80°	1.8	2.0	2.0	2.8	3.3	4.3	5.1	5.4	5.9	6.1	6.7
82.5°	0.8	1.0	1.3	2.0	2.3	2.3	3.1	3.3	3.8	4.1	4.1
85°	0.3	0.5	0.5	0.8	1.3	1.5	1.8	2.0	2.3	2.3	2.6
87.5°	0.3	0.3	0.0	0.3	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: P245910

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	519.0	519.3	518.2	518.0	517.5	517.7	518.2
5°	509.6	509.8	508.8	507.8	507.8	507.5	507.8
7.5°	500.6	500.9	499.3	498.8	497.8	498.1	498.1
10°	491.7	491.7	489.4	489.1	488.3	488.1	488.1
12.5°	483.0	482.2	480.4	479.4	479.9	478.4	478.4
15°	475.3	474.0	471.7	470.9	469.7	469.2	469.2
17.5°	467.4	466.3	464.3	462.8	461.2	461.0	461.2
20°	459.7	458.7	456.1	455.1	453.8	453.8	453.3
22.5°	452.0	451.0	448.7	447.9	446.2	446.2	446.4
25°	444.1	443.3	440.8	440.3	440.0	439.0	439.5
27.5°	433.4	432.8	430.8	430.0	429.0	428.8	429.3
30°	413.7	412.9	411.4	410.6	408.8	409.1	409.6
32.5°	389.1	388.1	386.1	385.3	383.8	383.3	383.5
35°	358.5	357.7	355.9	355.9	354.4	353.8	354.4
37.5°	327.3	328.0	327.3	328.0	327.3	327.0	327.3
40°	297.9	300.7	301.2	304.0	303.0	304.5	304.2
42.5°	269.7	274.3	276.1	278.4	277.9	278.9	279.7
45°	241.3	245.2	247.0	248.5	248.8	249.3	249.5
47.5°	214.5	217.6	217.8	219.6	219.4	219.4	220.1
50°	189.5	191.5	192.0	193.3	192.3	191.8	192.0
52.5°	166.2	168.2	167.7	168.2	167.0	166.4	166.7
55°	142.4	143.4	143.4	143.4	141.9	141.9	141.9
57.5°	118.1	118.4	117.9	118.1	117.9	116.3	116.1
60°	95.9	95.9	95.6	95.9	95.1	94.3	94.3
62.5°	74.9	75.4	76.4	75.4	74.9	75.4	74.7
65°	56.0	57.0	56.8	57.3	57.0	57.0	56.5
67.5°	42.2	42.4	42.7	43.0	43.0	43.0	43.0
70°	30.9	31.7	31.4	31.4	31.4	31.4	33.0
72.5°	20.7	21.7	21.5	22.0	22.0	22.5	22.0
75°	14.1	15.1	14.6	15.3	15.1	14.6	15.8
77.5°	9.5	10.0	10.2	10.5	10.2	10.0	10.2
80°	6.7	7.2	6.9	7.2	7.2	7.2	7.4
82.5°	4.1	4.9	4.6	4.9	4.6	4.9	4.9
85°	2.8	3.1	2.6	3.1	2.8	2.8	3.3
87.5°	1.8	1.5	1.5	1.8	1.5	1.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)