

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: P244566

Luminaire Tested: **LD8B10D010 ER8B10940 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244566
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 ER8B10940 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.0 lumens
Efficiency: N/A
Efficacy: 99.5 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

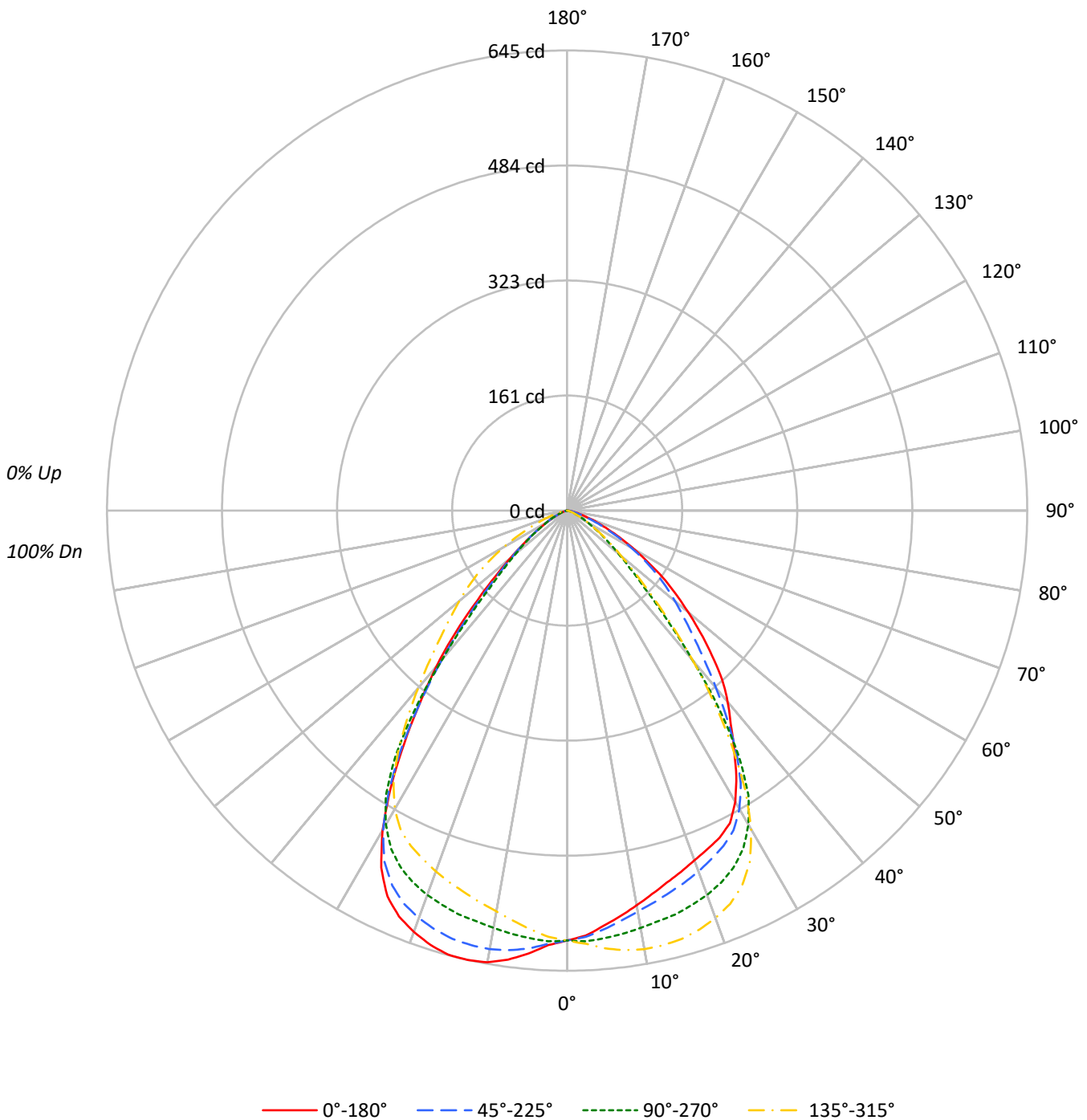
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	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°	18582	18582	18582	18582
5°	18086	18625	19291	18625
10°	17588	18599	20130	18599
15°	17236	18711	20572	18711
20°	17120	18816	20624	18816
25°	17209	18781	20292	18781
30°	16781	18092	18419	18092
35°	15351	15784	14975	15784
40°	14093	10977	11464	10977
45°	12525	6698	7749	6698
50°	10602	4476	4970	4476
55°	8779	3054	3226	3054
60°	6698	2035	2048	2035
65°	4743	1270	1160	1270
70°	3426	847	766	847
75°	2168	417	346	417
80°	1509	320	266	320
85°	1344	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	5.7
10°-20°	166.1	16.4
20°-30°	251.5	24.8
30°-40°	252.1	24.8
40°-50°	158.3	15.6
50°-60°	84.3	8.3
60°-70°	34.7	3.4
70°-80°	9.2	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°	474.9	46.8
0°-40°	727.0	71.6
0°-60°	969.6	95.5
0°-90°	1015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	603	603	603	603	603	
5°	584	602	623	602	584	55
15°	540	586	644	586	540	153
25°	506	552	596	552	506	232
35°	408	419	398	419	408	255
45°	287	154	178	154	287	221
55°	163	57	60	57	163	146
65°	65	17	16	17	65	67
75°	18	4	3	4	18	21
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°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	596.4	595.8	595.5	596.1	596.4	597.6	597.3	597.9	597.9	598.2	598.7
5°	584.3	584.0	584.3	584.3	585.5	586.7	586.4	587.3	587.9	589.3	589.9
7.5°	573.2	573.2	572.9	574.0	574.6	576.4	576.1	577.6	578.4	579.9	582.0
10°	561.7	561.7	562.0	562.9	563.2	565.8	565.8	567.9	569.0	570.5	573.2
12.5°	550.5	550.5	552.3	551.7	552.8	554.9	555.8	557.8	559.6	562.6	565.2
15°	539.9	539.9	540.5	542.0	542.8	545.5	547.0	549.3	551.4	554.3	558.2
17.5°	530.8	530.5	530.8	532.6	534.3	536.7	537.8	540.8	542.8	546.7	550.2
20°	521.7	522.3	522.3	523.7	524.9	527.8	529.0	532.3	534.6	538.1	542.3
22.5°	513.7	513.4	513.4	515.5	516.4	519.0	520.2	523.1	525.8	528.7	532.6
25°	505.8	505.2	506.4	506.7	507.2	510.2	511.1	513.1	515.8	518.4	522.3
27.5°	494.0	493.4	493.7	494.9	495.8	498.1	498.7	500.8	502.8	505.2	508.4
30°	471.3	470.8	470.5	472.5	473.4	475.2	476.1	479.6	480.2	482.8	485.2
32.5°	441.3	441.0	441.6	443.4	444.3	446.6	447.8	449.9	451.3	452.8	455.2
35°	407.8	407.2	407.8	409.6	409.6	411.6	412.5	413.4	413.1	413.4	412.8
37.5°	376.6	376.3	376.6	377.5	376.6	377.5	376.6	374.8	371.6	368.1	364.5
40°	350.1	350.4	348.7	349.8	346.6	346.0	342.8	338.4	331.9	324.8	314.8
42.5°	321.9	321.0	319.8	320.4	317.8	315.7	310.4	304.8	296.6	284.8	272.7
45°	287.2	286.9	286.3	286.0	284.2	282.2	277.7	271.3	262.2	250.1	235.7
47.5°	253.3	252.4	252.4	252.7	250.7	250.4	246.8	241.3	233.3	221.6	206.5
50°	221.0	220.7	221.3	222.4	221.0	220.4	218.0	214.2	207.1	197.1	183.0
52.5°	191.8	191.5	192.1	193.6	193.0	193.6	191.3	188.3	183.6	173.9	161.5
55°	163.3	163.3	163.3	165.1	165.1	165.1	163.9	162.1	157.7	150.6	139.2
57.5°	133.6	133.9	135.6	135.9	135.6	136.2	135.9	134.2	131.2	126.2	117.4
60°	108.6	108.6	109.5	110.3	110.0	110.3	110.3	109.5	106.5	102.4	95.3
62.5°	85.9	86.8	86.2	86.8	88.0	86.8	86.2	85.6	83.6	80.9	75.0
65°	65.0	65.6	65.6	65.9	65.3	65.6	64.4	63.6	62.4	59.4	55.6
67.5°	49.4	49.4	49.4	49.4	49.1	48.8	48.6	47.7	45.6	44.4	40.3
70°	38.0	36.2	36.2	36.2	36.2	36.5	35.6	34.4	33.8	31.8	28.8
72.5°	25.3	25.9	25.3	25.3	24.7	25.0	23.8	23.2	22.7	21.5	19.7
75°	18.2	16.8	17.4	17.7	16.8	17.4	16.2	15.0	15.0	14.1	13.2
77.5°	11.8	11.5	11.8	12.1	11.8	11.5	10.9	10.3	10.3	10.0	9.1
80°	8.5	8.2	8.2	8.2	7.9	8.2	7.7	7.7	7.1	6.8	6.2
82.5°	5.6	5.6	5.3	5.6	5.3	5.6	4.7	4.7	4.7	4.4	3.8
85°	3.8	3.2	3.2	3.5	2.9	3.5	3.2	2.9	2.7	2.7	2.3
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	599.6	599.9	599.9	601.1	601.7	602.0	602.0	604.3	603.5	604.1	604.6
5°	591.1	592.9	593.5	593.5	596.7	597.9	599.0	601.7	602.0	603.7	605.8
7.5°	582.9	584.9	586.1	588.7	590.8	592.9	596.4	598.2	599.9	602.3	604.9
10°	574.9	577.3	579.6	581.7	584.9	587.6	589.9	594.0	596.1	599.3	602.9
12.5°	567.3	570.5	572.6	576.1	579.6	582.0	585.5	589.3	592.6	595.8	599.9
15°	560.5	564.3	566.7	570.5	574.3	577.6	581.4	586.1	588.5	592.3	596.1
17.5°	553.1	557.3	560.2	563.7	568.4	572.0	575.2	579.9	582.9	587.0	591.4
20°	545.5	549.6	553.1	556.7	561.4	564.9	568.7	573.4	576.7	580.8	584.3
22.5°	536.4	540.2	544.0	548.1	552.8	555.8	560.2	564.3	567.9	571.7	575.2
25°	524.6	529.3	532.3	536.1	539.9	543.1	547.8	552.0	554.9	558.4	561.7
27.5°	510.8	514.3	516.7	519.9	523.7	526.7	530.2	534.3	537.3	540.5	542.8
30°	487.2	490.5	492.5	494.9	498.7	501.4	504.3	508.1	510.2	512.5	514.6
32.5°	456.3	459.0	460.2	461.9	464.6	467.2	469.6	472.8	473.7	475.2	475.2
35°	411.6	412.2	411.9	412.5	413.7	415.2	417.2	419.3	420.4	420.4	419.6
37.5°	359.2	355.7	351.9	349.0	348.1	347.5	348.7	349.5	350.7	351.3	349.8
40°	304.8	296.9	288.3	280.7	275.4	273.0	272.2	272.7	272.7	274.8	274.8
42.5°	258.0	245.7	233.0	221.6	213.9	208.0	205.4	205.4	205.7	207.1	208.0
45°	219.2	203.6	188.9	176.2	165.6	158.0	154.5	153.6	153.3	153.9	155.9
47.5°	189.5	173.3	158.0	142.4	131.2	123.6	120.3	119.2	118.0	119.2	119.5
50°	166.2	149.5	133.3	117.7	105.9	99.1	95.0	93.3	93.0	93.0	93.6
52.5°	145.0	129.5	113.3	97.4	85.0	78.6	74.7	73.9	72.7	73.9	73.9
55°	125.0	109.5	93.6	78.6	68.3	61.5	58.0	56.8	56.2	57.1	57.1
57.5°	103.3	90.0	75.3	61.8	51.5	46.8	44.1	42.7	42.4	43.0	42.4
60°	84.7	73.6	60.9	48.6	40.6	35.6	33.5	33.0	32.4	33.0	33.0
62.5°	67.1	57.7	47.4	38.0	31.2	27.7	25.3	25.3	25.0	25.0	25.3
65°	49.7	42.4	35.0	27.1	21.8	19.1	17.4	17.4	17.1	17.4	17.1
67.5°	36.2	31.2	25.3	19.7	15.6	14.1	12.9	12.1	12.7	12.1	11.8
70°	26.5	22.4	18.2	15.0	12.1	10.6	9.7	9.4	8.8	8.8	8.8
72.5°	17.7	15.0	12.4	9.7	7.9	6.5	6.2	5.6	5.0	5.3	5.9
75°	11.8	10.0	8.8	7.1	5.3	5.3	3.5	3.5	2.9	3.5	2.7
77.5°	8.2	6.8	5.3	4.4	3.5	3.2	2.3	2.3	2.1	2.1	2.1
80°	5.9	5.0	3.8	3.2	2.3	2.3	2.1	1.8	1.5	1.5	1.8
82.5°	3.5	2.7	2.7	2.3	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	606.1	605.8	606.4	606.4	608.2	607.9	608.7	608.7	608.2	608.5	609.6
5°	608.2	609.1	610.8	612.3	614.9	616.1	617.6	619.1	619.3	620.2	621.1
7.5°	608.2	611.1	613.2	615.8	619.3	621.4	624.6	627.3	628.5	629.9	631.7
10°	607.0	609.9	613.8	616.7	621.1	624.3	627.6	631.7	633.5	635.8	638.2
12.5°	604.6	607.9	612.0	615.8	620.8	623.8	627.9	631.7	634.4	637.6	640.2
15°	601.1	604.9	608.7	612.6	617.9	621.4	625.2	629.6	632.3	635.8	638.2
17.5°	595.5	599.6	603.2	606.7	611.7	615.8	619.3	623.5	626.1	629.1	632.3
20°	588.7	592.6	596.4	599.3	604.3	607.9	611.7	615.5	617.6	618.2	623.2
22.5°	580.2	582.9	585.8	590.5	593.5	596.7	600.2	603.7	605.8	609.1	610.8
25°	566.1	568.7	572.0	574.0	577.6	580.2	583.7	587.6	588.7	591.1	592.9
27.5°	546.4	547.8	549.3	551.1	553.1	554.6	556.7	558.4	559.6	560.8	562.0
30°	515.2	515.2	515.2	514.0	514.9	515.8	516.1	515.8	515.8	515.5	515.5
32.5°	474.0	471.6	469.0	466.6	465.8	464.6	464.0	463.1	461.6	460.8	461.0
35°	418.4	413.1	409.9	406.9	404.6	402.8	401.9	401.0	400.7	399.6	398.4
37.5°	349.0	345.1	342.8	341.0	339.0	337.2	337.5	337.8	338.6	338.1	338.4
40°	275.4	274.5	275.4	273.3	272.7	273.3	274.8	276.9	278.0	279.2	281.3
42.5°	209.5	211.0	213.0	213.0	213.9	215.1	216.8	220.1	221.8	223.9	226.3
45°	157.7	159.5	162.1	163.0	163.6	165.1	167.1	169.8	170.9	172.7	174.8
47.5°	121.5	122.7	124.2	125.6	127.1	127.7	129.8	129.8	131.2	132.4	133.0
50°	94.7	95.9	97.1	98.0	98.6	99.5	100.0	100.9	101.2	101.8	102.1
52.5°	74.1	75.6	75.6	76.2	77.1	78.0	77.7	78.0	78.3	78.3	79.1
55°	58.0	58.0	58.8	58.8	59.4	59.1	59.4	59.4	59.4	59.4	59.7
57.5°	43.2	43.5	44.4	43.8	43.5	44.1	43.5	44.1	43.8	44.4	43.5
60°	33.2	33.2	33.5	33.5	33.8	33.8	33.8	33.5	33.5	33.2	33.2
62.5°	25.0	25.3	25.6	25.3	25.3	25.3	25.0	25.0	24.7	24.4	24.4
65°	16.8	16.5	17.1	16.5	16.8	16.8	16.5	16.8	15.9	16.2	15.9
67.5°	12.1	11.8	11.5	11.8	11.5	11.2	11.2	11.5	11.8	10.9	10.9
70°	7.9	8.2	7.9	8.2	8.5	8.5	8.2	7.9	8.2	7.7	7.9
72.5°	5.0	5.0	5.0	5.0	5.0	5.3	5.3	5.3	4.7	4.7	4.4
75°	2.3	3.2	2.7	2.3	3.2	3.2	2.9	2.9	2.7	2.7	2.7
77.5°	2.3	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



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CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	609.3	609.1	609.3	609.6	609.3	609.1	609.3	609.6	608.5	608.2	608.7
5°	622.3	622.3	622.9	623.2	622.9	622.3	622.3	621.1	620.2	619.3	619.1
7.5°	633.5	634.1	634.6	634.9	634.6	634.1	633.5	631.7	629.9	628.5	627.3
10°	640.2	641.1	642.3	642.9	642.3	641.1	640.2	638.2	635.8	633.5	631.7
12.5°	643.2	644.1	645.5	645.2	645.5	644.1	643.2	640.2	637.6	634.4	631.7
15°	641.1	642.3	643.8	644.4	643.8	642.3	641.1	638.2	635.8	632.3	629.6
17.5°	634.6	636.4	637.3	638.2	637.3	636.4	634.6	632.3	629.1	626.1	623.5
20°	625.8	627.0	628.2	628.5	628.2	627.0	625.8	623.2	618.2	617.6	615.5
22.5°	613.2	614.1	616.7	615.8	616.7	614.1	613.2	610.8	609.1	605.8	603.7
25°	594.9	595.8	596.1	596.4	596.1	595.8	594.9	592.9	591.1	588.7	587.6
27.5°	563.4	563.4	564.0	564.3	564.0	563.4	563.4	562.0	560.8	559.6	558.4
30°	515.8	515.8	515.8	517.3	515.8	515.8	515.8	515.5	515.5	515.8	515.8
32.5°	460.8	460.2	459.6	460.2	459.6	460.2	460.8	461.0	460.8	461.6	463.1
35°	398.4	398.1	399.0	397.8	399.0	398.1	398.4	398.4	399.6	400.7	401.0
37.5°	338.6	338.1	339.2	338.1	339.2	338.1	338.6	338.4	338.1	338.6	337.8
40°	281.9	282.5	282.5	284.8	282.5	282.5	281.9	281.3	279.2	278.0	276.9
42.5°	227.4	229.2	228.6	230.4	228.6	229.2	227.4	226.3	223.9	221.8	220.1
45°	175.9	177.1	177.1	177.7	177.1	177.1	175.9	174.8	172.7	170.9	169.8
47.5°	135.0	135.0	135.0	135.3	135.0	135.0	135.0	133.0	132.4	131.2	129.8
50°	102.7	103.0	103.3	103.6	103.3	103.0	102.7	102.1	101.8	101.2	100.9
52.5°	78.9	79.1	78.6	79.1	78.6	79.1	78.9	79.1	78.3	78.3	78.0
55°	59.7	59.4	59.7	60.0	59.7	59.4	59.7	59.7	59.4	59.4	59.4
57.5°	43.8	43.2	43.2	43.2	43.2	43.2	43.8	43.5	44.4	43.8	44.1
60°	32.7	33.0	33.0	33.2	33.0	33.0	32.7	33.2	33.2	33.5	33.5
62.5°	24.1	25.0	24.4	25.0	24.4	25.0	24.1	24.4	24.4	24.7	25.0
65°	15.6	15.6	15.6	15.9	15.6	15.6	15.6	15.9	16.2	15.9	16.8
67.5°	10.6	10.9	11.5	11.2	11.5	10.9	10.6	10.9	10.9	11.8	11.5
70°	8.5	7.7	7.7	8.5	7.7	7.7	8.5	7.9	7.7	8.2	7.9
72.5°	5.0	4.4	5.0	5.0	5.0	4.4	5.0	4.4	4.7	4.7	5.3
75°	2.7	2.3	2.1	2.9	2.1	2.3	2.7	2.7	2.7	2.7	2.9
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: P244566

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	608.7	607.9	608.2	606.4	606.4	605.8	606.1	604.6	604.1	603.5	604.3
5°	617.6	616.1	614.9	612.3	610.8	609.1	608.2	605.8	603.7	602.0	601.7
7.5°	624.6	621.4	619.3	615.8	613.2	611.1	608.2	604.9	602.3	599.9	598.2
10°	627.6	624.3	621.1	616.7	613.8	609.9	607.0	602.9	599.3	596.1	594.0
12.5°	627.9	623.8	620.8	615.8	612.0	607.9	604.6	599.9	595.8	592.6	589.3
15°	625.2	621.4	617.9	612.6	608.7	604.9	601.1	596.1	592.3	588.5	586.1
17.5°	619.3	615.8	611.7	606.7	603.2	599.6	595.5	591.4	587.0	582.9	579.9
20°	611.7	607.9	604.3	599.3	596.4	592.6	588.7	584.3	580.8	576.7	573.4
22.5°	600.2	596.7	593.5	590.5	585.8	582.9	580.2	575.2	571.7	567.9	564.3
25°	583.7	580.2	577.6	574.0	572.0	568.7	566.1	561.7	558.4	554.9	552.0
27.5°	556.7	554.6	553.1	551.1	549.3	547.8	546.4	542.8	540.5	537.3	534.3
30°	516.1	515.8	514.9	514.0	515.2	515.2	515.2	514.6	512.5	510.2	508.1
32.5°	464.0	464.6	465.8	466.6	469.0	471.6	474.0	475.2	475.2	473.7	472.8
35°	401.9	402.8	404.6	406.9	409.9	413.1	418.4	419.6	420.4	420.4	419.3
37.5°	337.5	337.2	339.0	341.0	342.8	345.1	349.0	349.8	351.3	350.7	349.5
40°	274.8	273.3	272.7	273.3	275.4	274.5	275.4	274.8	274.8	272.7	272.7
42.5°	216.8	215.1	213.9	213.0	213.0	211.0	209.5	208.0	207.1	205.7	205.4
45°	167.1	165.1	163.6	163.0	162.1	159.5	157.7	155.9	153.9	153.3	153.6
47.5°	129.8	127.7	127.1	125.6	124.2	122.7	121.5	119.5	119.2	118.0	119.2
50°	100.0	99.5	98.6	98.0	97.1	95.9	94.7	93.6	93.0	93.0	93.3
52.5°	77.7	78.0	77.1	76.2	75.6	75.6	74.1	73.9	73.9	72.7	73.9
55°	59.4	59.1	59.4	58.8	58.8	58.0	58.0	57.1	57.1	56.2	56.8
57.5°	43.5	44.1	43.5	43.8	44.4	43.5	43.2	42.4	43.0	42.4	42.7
60°	33.8	33.8	33.8	33.5	33.5	33.2	33.2	33.0	33.0	32.4	33.0
62.5°	25.0	25.3	25.3	25.3	25.6	25.3	25.0	25.3	25.0	25.0	25.3
65°	16.5	16.8	16.8	16.5	17.1	16.5	16.8	17.1	17.4	17.1	17.4
67.5°	11.2	11.2	11.5	11.8	11.5	11.8	12.1	11.8	12.1	12.7	12.1
70°	8.2	8.5	8.5	8.2	7.9	8.2	7.9	8.8	8.8	8.8	9.4
72.5°	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.9	5.3	5.0	5.6
75°	2.9	3.2	3.2	2.3	2.7	3.2	2.3	2.7	3.5	2.9	3.5
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.1	2.1	2.1	2.3
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: P244566

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	602.0	602.0	601.7	601.1	599.9	599.9	599.6	598.7	598.2	597.9	597.9
5°	599.0	597.9	596.7	593.5	593.5	592.9	591.1	589.9	589.3	587.9	587.3
7.5°	596.4	592.9	590.8	588.7	586.1	584.9	582.9	582.0	579.9	578.4	577.6
10°	589.9	587.6	584.9	581.7	579.6	577.3	574.9	573.2	570.5	569.0	567.9
12.5°	585.5	582.0	579.6	576.1	572.6	570.5	567.3	565.2	562.6	559.6	557.8
15°	581.4	577.6	574.3	570.5	566.7	564.3	560.5	558.2	554.3	551.4	549.3
17.5°	575.2	572.0	568.4	563.7	560.2	557.3	553.1	550.2	546.7	542.8	540.8
20°	568.7	564.9	561.4	556.7	553.1	549.6	545.5	542.3	538.1	534.6	532.3
22.5°	560.2	555.8	552.8	548.1	544.0	540.2	536.4	532.6	528.7	525.8	523.1
25°	547.8	543.1	539.9	536.1	532.3	529.3	524.6	522.3	518.4	515.8	513.1
27.5°	530.2	526.7	523.7	519.9	516.7	514.3	510.8	508.4	505.2	502.8	500.8
30°	504.3	501.4	498.7	494.9	492.5	490.5	487.2	485.2	482.8	480.2	479.6
32.5°	469.6	467.2	464.6	461.9	460.2	459.0	456.3	455.2	452.8	451.3	449.9
35°	417.2	415.2	413.7	412.5	411.9	412.2	411.6	412.8	413.4	413.1	413.4
37.5°	348.7	347.5	348.1	349.0	351.9	355.7	359.2	364.5	368.1	371.6	374.8
40°	272.2	273.0	275.4	280.7	288.3	296.9	304.8	314.8	324.8	331.9	338.4
42.5°	205.4	208.0	213.9	221.6	233.0	245.7	258.0	272.7	284.8	296.6	304.8
45°	154.5	158.0	165.6	176.2	188.9	203.6	219.2	235.7	250.1	262.2	271.3
47.5°	120.3	123.6	131.2	142.4	158.0	173.3	189.5	206.5	221.6	233.3	241.3
50°	95.0	99.1	105.9	117.7	133.3	149.5	166.2	183.0	197.1	207.1	214.2
52.5°	74.7	78.6	85.0	97.4	113.3	129.5	145.0	161.5	173.9	183.6	188.3
55°	58.0	61.5	68.3	78.6	93.6	109.5	125.0	139.2	150.6	157.7	162.1
57.5°	44.1	46.8	51.5	61.8	75.3	90.0	103.3	117.4	126.2	131.2	134.2
60°	33.5	35.6	40.6	48.6	60.9	73.6	84.7	95.3	102.4	106.5	109.5
62.5°	25.3	27.7	31.2	38.0	47.4	57.7	67.1	75.0	80.9	83.6	85.6
65°	17.4	19.1	21.8	27.1	35.0	42.4	49.7	55.6	59.4	62.4	63.6
67.5°	12.9	14.1	15.6	19.7	25.3	31.2	36.2	40.3	44.4	45.6	47.7
70°	9.7	10.6	12.1	15.0	18.2	22.4	26.5	28.8	31.8	33.8	34.4
72.5°	6.2	6.5	7.9	9.7	12.4	15.0	17.7	19.7	21.5	22.7	23.2
75°	3.5	5.3	5.3	7.1	8.8	10.0	11.8	13.2	14.1	15.0	15.0
77.5°	2.3	3.2	3.5	4.4	5.3	6.8	8.2	9.1	10.0	10.3	10.3
80°	2.1	2.3	2.3	3.2	3.8	5.0	5.9	6.2	6.8	7.1	7.7
82.5°	0.9	1.2	1.5	2.3	2.7	2.7	3.5	3.8	4.4	4.7	4.7
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.1	2.3	2.7	2.7	2.9
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: P244566

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	597.3	597.6	596.4	596.1	595.5	595.8	596.4
5°	586.4	586.7	585.5	584.3	584.3	584.0	584.3
7.5°	576.1	576.4	574.6	574.0	572.9	573.2	573.2
10°	565.8	565.8	563.2	562.9	562.0	561.7	561.7
12.5°	555.8	554.9	552.8	551.7	552.3	550.5	550.5
15°	547.0	545.5	542.8	542.0	540.5	539.9	539.9
17.5°	537.8	536.7	534.3	532.6	530.8	530.5	530.8
20°	529.0	527.8	524.9	523.7	522.3	522.3	521.7
22.5°	520.2	519.0	516.4	515.5	513.4	513.4	513.7
25°	511.1	510.2	507.2	506.7	506.4	505.2	505.8
27.5°	498.7	498.1	495.8	494.9	493.7	493.4	494.0
30°	476.1	475.2	473.4	472.5	470.5	470.8	471.3
32.5°	447.8	446.6	444.3	443.4	441.6	441.0	441.3
35°	412.5	411.6	409.6	409.6	407.8	407.2	407.8
37.5°	376.6	377.5	376.6	377.5	376.6	376.3	376.6
40°	342.8	346.0	346.6	349.8	348.7	350.4	350.1
42.5°	310.4	315.7	317.8	320.4	319.8	321.0	321.9
45°	277.7	282.2	284.2	286.0	286.3	286.9	287.2
47.5°	246.8	250.4	250.7	252.7	252.4	252.4	253.3
50°	218.0	220.4	221.0	222.4	221.3	220.7	221.0
52.5°	191.3	193.6	193.0	193.6	192.1	191.5	191.8
55°	163.9	165.1	165.1	165.1	163.3	163.3	163.3
57.5°	135.9	136.2	135.6	135.9	135.6	133.9	133.6
60°	110.3	110.3	110.0	110.3	109.5	108.6	108.6
62.5°	86.2	86.8	88.0	86.8	86.2	86.8	85.9
65°	64.4	65.6	65.3	65.9	65.6	65.6	65.0
67.5°	48.6	48.8	49.1	49.4	49.4	49.4	49.4
70°	35.6	36.5	36.2	36.2	36.2	36.2	38.0
72.5°	23.8	25.0	24.7	25.3	25.3	25.9	25.3
75°	16.2	17.4	16.8	17.7	17.4	16.8	18.2
77.5°	10.9	11.5	11.8	12.1	11.8	11.5	11.8
80°	7.7	8.2	7.9	8.2	8.2	8.2	8.5
82.5°	4.7	5.6	5.3	5.6	5.3	5.6	5.6
85°	3.2	3.5	2.9	3.5	3.2	3.2	3.8
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)