

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: P245982

Luminaire Tested: **LD8B10D010 ER8B10850 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245982
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1143.0 lumens
Efficiency: N/A
Efficacy: 112.1 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

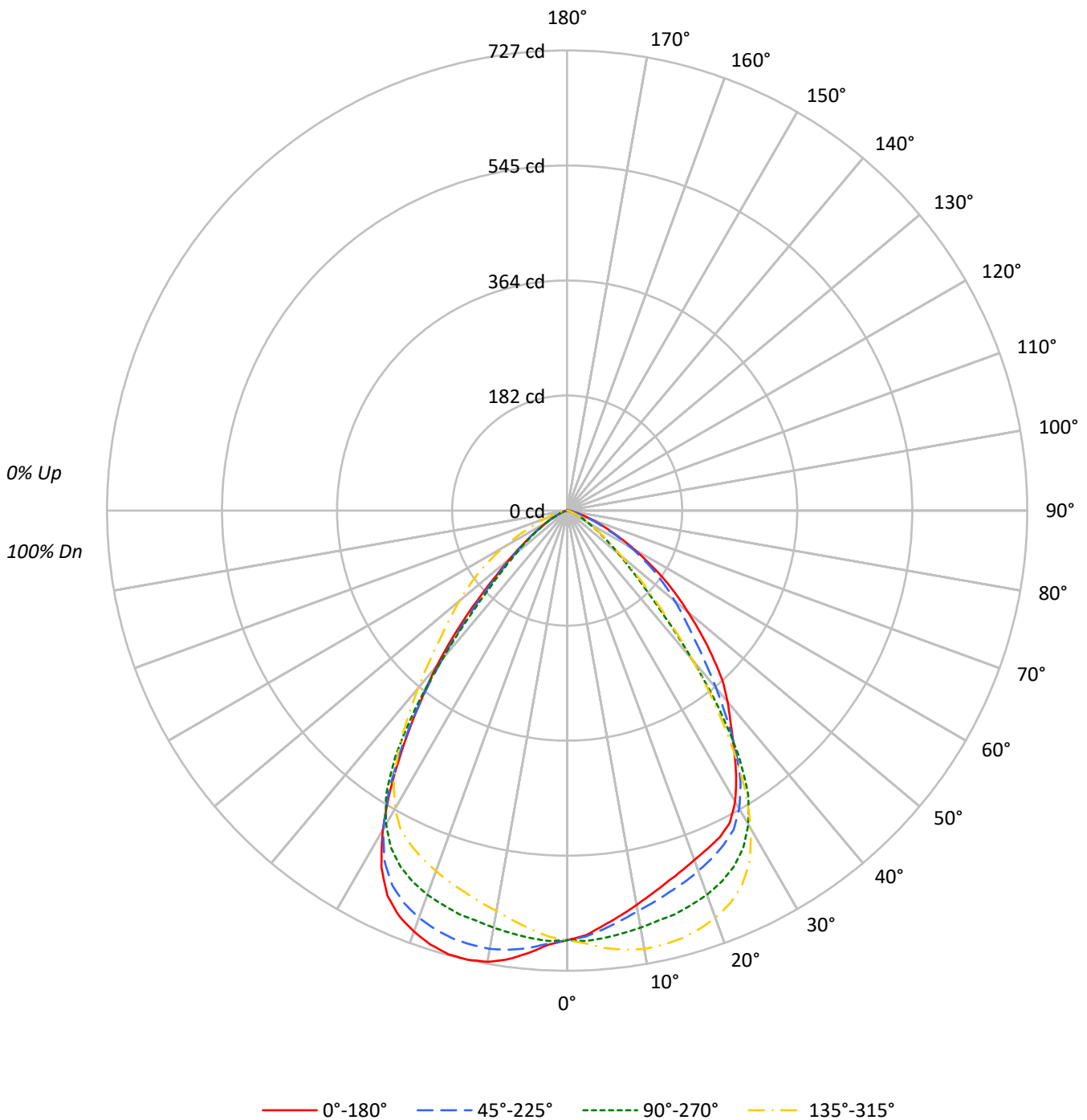
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	20926	20926	20926	20926
5°	20368	20975	21724	20975
10°	19805	20945	22667	20945
15°	19410	21070	23164	21070
20°	19276	21192	23223	21192
25°	19380	21149	22851	21149
30°	18900	20374	20741	20374
35°	17286	17772	16865	17772
40°	15872	12362	12909	12362
45°	14103	7544	8726	7544
50°	11936	5037	5594	5037
55°	9887	3435	3634	3435
60°	7543	2288	2307	2288
65°	5341	1423	1306	1423
70°	3850	956	866	956
75°	2442	477	393	477
80°	1705	355	302	355
85°	1521	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	5.7
10°-20°	187.0	16.4
20°-30°	283.2	24.8
30°-40°	283.8	24.8
40°-50°	178.2	15.6
50°-60°	95.0	8.3
60°-70°	39.1	3.4
70°-80°	10.3	0.9
80°-90°	1.7	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°	534.8	46.8
0°-40°	818.7	71.6
0°-60°	1091.9	95.5
0°-90°	1143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	679	679	679	679	679	
5°	658	678	702	678	658	62
15°	608	660	726	660	608	172
25°	570	622	672	622	570	261
35°	459	472	448	472	459	288
45°	323	173	200	173	323	249
55°	184	64	68	64	184	164
65°	73	20	18	20	73	76
75°	20	4	3	4	20	23
85°	4	0	0	0	4	5
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°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	671.6	670.9	670.6	671.3	671.6	672.9	672.6	673.3	673.3	673.6	674.3
5°	658.0	657.7	658.0	658.0	659.3	660.7	660.3	661.3	662.0	663.7	664.3
7.5°	645.4	645.4	645.1	646.4	647.1	649.1	648.7	650.4	651.4	653.0	655.4
10°	632.5	632.5	632.8	633.8	634.2	637.1	637.1	639.5	640.8	642.4	645.4
12.5°	619.9	619.9	621.9	621.2	622.6	624.9	625.9	628.2	630.2	633.5	636.5
15°	608.0	608.0	608.7	610.3	611.3	614.3	615.9	618.6	620.9	624.2	628.5
17.5°	597.7	597.4	597.7	599.7	601.7	604.3	605.7	609.0	611.3	615.6	619.6
20°	587.4	588.1	588.1	589.8	591.1	594.4	595.7	599.4	602.0	606.0	610.6
22.5°	578.5	578.2	578.2	580.5	581.5	584.5	585.8	589.1	592.1	595.4	599.7
25°	569.6	568.9	570.2	570.6	571.2	574.5	575.5	577.8	580.8	583.8	588.1
27.5°	556.3	555.6	556.0	557.3	558.3	560.9	561.6	563.9	566.2	568.9	572.5
30°	530.8	530.1	529.8	532.1	533.1	535.1	536.1	540.1	540.7	543.7	546.4
32.5°	497.0	496.7	497.3	499.3	500.3	503.0	504.3	506.6	508.3	509.9	512.6
35°	459.2	458.6	459.2	461.2	461.2	463.5	464.5	465.5	465.2	465.5	464.9
37.5°	424.1	423.8	424.1	425.1	424.1	425.1	424.1	422.1	418.5	414.5	410.5
40°	394.3	394.6	392.6	394.0	390.3	389.6	386.0	381.0	373.7	365.8	354.5
42.5°	362.5	361.5	360.2	360.8	357.8	355.5	349.6	343.3	334.0	320.7	307.1
45°	323.4	323.1	322.4	322.1	320.1	317.7	312.8	305.5	295.2	281.6	265.4
47.5°	285.3	284.3	284.3	284.6	282.3	282.0	278.0	271.7	262.7	249.5	232.6
50°	248.8	248.5	249.2	250.5	248.8	248.2	245.5	241.2	233.3	222.0	206.1
52.5°	216.0	215.7	216.4	218.0	217.3	218.0	215.4	212.1	206.7	195.8	181.9
55°	183.9	183.9	183.9	185.9	185.9	185.9	184.5	182.6	177.6	169.6	156.7
57.5°	150.4	150.8	152.7	153.1	152.7	153.4	153.1	151.1	147.8	142.1	132.2
60°	122.3	122.3	123.3	124.3	123.9	124.3	124.3	123.3	119.9	115.3	107.4
62.5°	96.7	97.7	97.1	97.7	99.1	97.7	97.1	96.4	94.1	91.1	84.5
65°	73.2	73.9	73.9	74.2	73.5	73.9	72.6	71.6	70.2	66.9	62.6
67.5°	55.7	55.7	55.7	55.7	55.3	55.0	54.7	53.7	51.4	50.0	45.4
70°	42.7	40.7	40.7	40.7	40.7	41.1	40.1	38.8	38.1	35.8	32.5
72.5°	28.5	29.2	28.5	28.5	27.8	28.2	26.8	26.2	25.5	24.2	22.2
75°	20.5	18.9	19.5	19.9	18.9	19.5	18.2	16.9	16.9	15.9	14.9
77.5°	13.3	12.9	13.3	13.6	13.3	12.9	12.3	11.6	11.6	11.3	10.3
80°	9.6	9.3	9.3	9.3	8.9	9.3	8.6	8.6	8.0	7.6	7.0
82.5°	6.3	6.3	6.0	6.3	6.0	6.3	5.3	5.3	5.3	5.0	4.3
85°	4.3	3.6	3.6	4.0	3.3	4.0	3.6	3.3	3.0	3.0	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	1.3	1.3
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°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	675.2	675.6	675.6	676.9	677.6	677.9	677.9	680.6	679.6	680.2	680.9
5°	665.6	667.6	668.3	668.3	671.9	673.3	674.6	677.6	677.9	679.9	682.2
7.5°	656.4	658.7	660.0	663.0	665.3	667.6	671.6	673.6	675.6	678.2	681.2
10°	647.4	650.1	652.7	655.0	658.7	661.7	664.3	668.9	671.3	674.9	678.9
12.5°	638.8	642.4	644.8	648.7	652.7	655.4	659.3	663.7	667.3	670.9	675.6
15°	631.2	635.5	638.1	642.4	646.8	650.4	654.7	660.0	662.7	667.0	671.3
17.5°	622.9	627.5	630.9	634.8	640.1	644.1	647.8	653.0	656.4	661.0	666.0
20°	614.3	618.9	622.9	626.9	632.2	636.1	640.5	645.8	649.4	654.0	658.0
22.5°	604.0	608.3	612.6	617.3	622.6	625.9	630.9	635.5	639.5	643.8	647.8
25°	590.8	596.1	599.4	603.7	608.0	611.6	616.9	621.6	624.9	628.9	632.5
27.5°	575.2	579.2	581.8	585.5	589.8	593.1	597.0	601.7	605.0	608.7	611.3
30°	548.7	552.3	554.6	557.3	561.6	564.6	567.9	572.2	574.5	577.2	579.5
32.5°	513.9	516.9	518.2	520.2	523.2	526.1	528.8	532.4	533.4	535.1	535.1
35°	463.5	464.2	463.9	464.5	465.9	467.5	469.8	472.1	473.5	473.5	472.5
37.5°	404.6	400.6	396.3	393.0	392.0	391.3	392.6	393.6	395.0	395.6	394.0
40°	343.3	334.3	324.7	316.1	310.1	307.5	306.5	307.1	307.1	309.5	309.5
42.5°	290.6	276.7	262.4	249.5	240.9	234.3	231.3	231.3	231.6	233.3	234.3
45°	246.8	229.3	212.7	198.5	186.5	177.9	174.0	173.0	172.6	173.3	175.6
47.5°	213.4	195.2	177.9	160.4	147.8	139.2	135.5	134.2	132.9	134.2	134.5
50°	187.2	168.3	150.1	132.5	119.3	111.7	107.0	105.0	104.7	104.7	105.4
52.5°	163.3	145.8	127.6	109.7	95.8	88.5	84.2	83.2	81.8	83.2	83.2
55°	140.8	123.3	105.4	88.5	76.9	69.3	65.3	63.9	63.3	64.3	64.3
57.5°	116.3	101.4	84.8	69.6	58.0	52.7	49.7	48.0	47.7	48.4	47.7
60°	95.4	82.8	68.6	54.7	45.7	40.1	37.8	37.1	36.4	37.1	37.1
62.5°	75.5	64.9	53.3	42.7	35.1	31.1	28.5	28.5	28.2	28.2	28.5
65°	56.0	47.7	39.4	30.5	24.5	21.5	19.5	19.5	19.2	19.5	19.2
67.5°	40.7	35.1	28.5	22.2	17.6	15.9	14.6	13.6	14.3	13.6	13.3
70°	29.8	25.2	20.5	16.9	13.6	11.9	10.9	10.6	9.9	9.9	9.9
72.5°	19.9	16.9	13.9	10.9	8.9	7.3	7.0	6.3	5.6	6.0	6.6
75°	13.3	11.3	9.9	8.0	6.0	6.0	4.0	4.0	3.3	4.0	3.0
77.5°	9.3	7.6	6.0	5.0	4.0	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.6	5.6	4.3	3.6	2.6	2.6	2.3	2.0	1.7	1.7	2.0
82.5°	4.0	3.0	3.0	2.6	1.7	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.7	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.7
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°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	682.5	682.2	682.9	682.9	684.9	684.5	685.5	685.5	684.9	685.2	686.5
5°	684.9	685.9	687.8	689.5	692.5	693.8	695.5	697.1	697.5	698.4	699.4
7.5°	684.9	688.2	690.5	693.5	697.5	699.8	703.4	706.4	707.7	709.4	711.4
10°	683.5	686.8	691.2	694.5	699.4	703.1	706.7	711.4	713.4	716.0	718.7
12.5°	680.9	684.5	689.2	693.5	699.1	702.4	707.1	711.4	714.3	718.0	721.0
15°	676.9	681.2	685.5	689.8	695.8	699.8	704.1	709.0	712.0	716.0	718.7
17.5°	670.6	675.2	679.2	683.2	688.8	693.5	697.5	702.1	705.1	708.4	712.0
20°	663.0	667.3	671.6	674.9	680.6	684.5	688.8	693.1	695.5	696.1	701.8
22.5°	653.4	656.4	659.7	665.0	668.3	671.9	675.9	679.9	682.2	685.9	687.8
25°	637.5	640.5	644.1	646.4	650.4	653.4	657.4	661.7	663.0	665.6	667.6
27.5°	615.3	616.9	618.6	620.6	622.9	624.6	626.9	628.9	630.2	631.5	632.8
30°	580.2	580.2	580.2	578.8	579.8	580.8	581.1	580.8	580.8	580.5	580.5
32.5°	533.8	531.1	528.1	525.5	524.5	523.2	522.5	521.5	519.9	518.9	519.2
35°	471.1	465.2	461.5	458.2	455.6	453.6	452.6	451.6	451.3	450.0	448.6
37.5°	393.0	388.7	386.0	384.0	381.7	379.7	380.0	380.4	381.4	380.7	381.0
40°	310.1	309.1	310.1	307.8	307.1	307.8	309.5	311.8	313.1	314.4	316.8
42.5°	235.9	237.6	239.9	239.9	240.9	242.2	244.2	247.8	249.8	252.1	254.8
45°	177.6	179.6	182.6	183.6	184.2	185.9	188.2	191.2	192.5	194.5	196.8
47.5°	136.8	138.2	139.8	141.5	143.1	143.8	146.1	146.1	147.8	149.1	149.8
50°	106.7	108.0	109.3	110.3	111.0	112.0	112.6	113.6	114.0	114.6	115.0
52.5°	83.5	85.2	85.2	85.8	86.8	87.8	87.5	87.8	88.1	88.1	89.1
55°	65.3	65.3	66.3	66.3	66.9	66.6	66.9	66.9	66.9	66.9	67.3
57.5°	48.7	49.0	50.0	49.4	49.0	49.7	49.0	49.7	49.4	50.0	49.0
60°	37.4	37.4	37.8	37.8	38.1	38.1	38.1	37.8	37.8	37.4	37.4
62.5°	28.2	28.5	28.8	28.5	28.5	28.5	28.2	28.2	27.8	27.5	27.5
65°	18.9	18.6	19.2	18.6	18.9	18.9	18.6	18.9	17.9	18.2	17.9
67.5°	13.6	13.3	12.9	13.3	12.9	12.6	12.6	12.9	13.3	12.3	12.3
70°	8.9	9.3	8.9	9.3	9.6	9.6	9.3	8.9	9.3	8.6	8.9
72.5°	5.6	5.6	5.6	5.6	5.6	6.0	6.0	6.0	5.3	5.3	5.0
75°	2.6	3.6	3.0	2.6	3.6	3.6	3.3	3.3	3.0	3.0	3.0
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7	2.0	1.7
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.7	1.3	1.3	1.0	1.7
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	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 ER8B10850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	686.2	685.9	686.2	686.5	686.2	685.9	686.2	686.5	685.2	684.9	685.5
5°	700.8	700.8	701.4	701.8	701.4	700.8	700.8	699.4	698.4	697.5	697.1
7.5°	713.4	714.0	714.7	715.0	714.7	714.0	713.4	711.4	709.4	707.7	706.4
10°	721.0	722.0	723.3	723.9	723.3	722.0	721.0	718.7	716.0	713.4	711.4
12.5°	724.3	725.3	726.9	726.6	726.9	725.3	724.3	721.0	718.0	714.3	711.4
15°	722.0	723.3	724.9	725.6	724.9	723.3	722.0	718.7	716.0	712.0	709.0
17.5°	714.7	716.7	717.7	718.7	717.7	716.7	714.7	712.0	708.4	705.1	702.1
20°	704.7	706.1	707.4	707.7	707.4	706.1	704.7	701.8	696.1	695.5	693.1
22.5°	690.5	691.5	694.5	693.5	694.5	691.5	690.5	687.8	685.9	682.2	679.9
25°	669.9	670.9	671.3	671.6	671.3	670.9	669.9	667.6	665.6	663.0	661.7
27.5°	634.5	634.5	635.2	635.5	635.2	634.5	634.5	632.8	631.5	630.2	628.9
30°	580.8	580.8	580.8	582.5	580.8	580.8	580.8	580.5	580.5	580.8	580.8
32.5°	518.9	518.2	517.5	518.2	517.5	518.2	518.9	519.2	518.9	519.9	521.5
35°	448.6	448.3	449.3	448.0	449.3	448.3	448.6	448.6	450.0	451.3	451.6
37.5°	381.4	380.7	382.0	380.7	382.0	380.7	381.4	381.0	380.7	381.4	380.4
40°	317.4	318.1	318.1	320.7	318.1	318.1	317.4	316.8	314.4	313.1	311.8
42.5°	256.1	258.1	257.4	259.4	257.4	258.1	256.1	254.8	252.1	249.8	247.8
45°	198.1	199.5	199.5	200.1	199.5	199.5	198.1	196.8	194.5	192.5	191.2
47.5°	152.1	152.1	152.1	152.4	152.1	152.1	152.1	149.8	149.1	147.8	146.1
50°	115.6	116.0	116.3	116.6	116.3	116.0	115.6	115.0	114.6	114.0	113.6
52.5°	88.8	89.1	88.5	89.1	88.5	89.1	88.8	89.1	88.1	88.1	87.8
55°	67.3	66.9	67.3	67.6	67.3	66.9	67.3	67.3	66.9	66.9	66.9
57.5°	49.4	48.7	48.7	48.7	48.7	48.7	49.4	49.0	50.0	49.4	49.7
60°	36.8	37.1	37.1	37.4	37.1	37.1	36.8	37.4	37.4	37.8	37.8
62.5°	27.2	28.2	27.5	28.2	27.5	28.2	27.2	27.5	27.5	27.8	28.2
65°	17.6	17.6	17.6	17.9	17.6	17.6	17.6	17.9	18.2	17.9	18.9
67.5°	11.9	12.3	12.9	12.6	12.9	12.3	11.9	12.3	12.3	13.3	12.9
70°	9.6	8.6	8.6	9.6	8.6	8.6	9.6	8.9	8.6	9.3	8.9
72.5°	5.6	5.0	5.6	5.6	5.6	5.0	5.6	5.0	5.3	5.3	6.0
75°	3.0	2.6	2.3	3.3	2.3	2.6	3.0	3.0	3.0	3.0	3.3
77.5°	2.0	1.7	2.3	2.3	2.3	1.7	2.0	1.7	2.0	1.7	2.0
80°	1.0	1.3	1.0	1.7	1.0	1.3	1.0	1.7	1.0	1.3	1.3
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	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: P245982

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	685.5	684.5	684.9	682.9	682.9	682.2	682.5	680.9	680.2	679.6	680.6
5°	695.5	693.8	692.5	689.5	687.8	685.9	684.9	682.2	679.9	677.9	677.6
7.5°	703.4	699.8	697.5	693.5	690.5	688.2	684.9	681.2	678.2	675.6	673.6
10°	706.7	703.1	699.4	694.5	691.2	686.8	683.5	678.9	674.9	671.3	668.9
12.5°	707.1	702.4	699.1	693.5	689.2	684.5	680.9	675.6	670.9	667.3	663.7
15°	704.1	699.8	695.8	689.8	685.5	681.2	676.9	671.3	667.0	662.7	660.0
17.5°	697.5	693.5	688.8	683.2	679.2	675.2	670.6	666.0	661.0	656.4	653.0
20°	688.8	684.5	680.6	674.9	671.6	667.3	663.0	658.0	654.0	649.4	645.8
22.5°	675.9	671.9	668.3	665.0	659.7	656.4	653.4	647.8	643.8	639.5	635.5
25°	657.4	653.4	650.4	646.4	644.1	640.5	637.5	632.5	628.9	624.9	621.6
27.5°	626.9	624.6	622.9	620.6	618.6	616.9	615.3	611.3	608.7	605.0	601.7
30°	581.1	580.8	579.8	578.8	580.2	580.2	580.2	579.5	577.2	574.5	572.2
32.5°	522.5	523.2	524.5	525.5	528.1	531.1	533.8	535.1	535.1	533.4	532.4
35°	452.6	453.6	455.6	458.2	461.5	465.2	471.1	472.5	473.5	473.5	472.1
37.5°	380.0	379.7	381.7	384.0	386.0	388.7	393.0	394.0	395.6	395.0	393.6
40°	309.5	307.8	307.1	307.8	310.1	309.1	310.1	309.5	309.5	307.1	307.1
42.5°	244.2	242.2	240.9	239.9	239.9	237.6	235.9	234.3	233.3	231.6	231.3
45°	188.2	185.9	184.2	183.6	182.6	179.6	177.6	175.6	173.3	172.6	173.0
47.5°	146.1	143.8	143.1	141.5	139.8	138.2	136.8	134.5	134.2	132.9	134.2
50°	112.6	112.0	111.0	110.3	109.3	108.0	106.7	105.4	104.7	104.7	105.0
52.5°	87.5	87.8	86.8	85.8	85.2	85.2	83.5	83.2	83.2	81.8	83.2
55°	66.9	66.6	66.9	66.3	66.3	65.3	65.3	64.3	64.3	63.3	63.9
57.5°	49.0	49.7	49.0	49.4	50.0	49.0	48.7	47.7	48.4	47.7	48.0
60°	38.1	38.1	38.1	37.8	37.8	37.4	37.4	37.1	37.1	36.4	37.1
62.5°	28.2	28.5	28.5	28.5	28.8	28.5	28.2	28.5	28.2	28.2	28.5
65°	18.6	18.9	18.9	18.6	19.2	18.6	18.9	19.2	19.5	19.2	19.5
67.5°	12.6	12.6	12.9	13.3	12.9	13.3	13.6	13.3	13.6	14.3	13.6
70°	9.3	9.6	9.6	9.3	8.9	9.3	8.9	9.9	9.9	9.9	10.6
72.5°	6.0	6.0	5.6	5.6	5.6	5.6	5.6	6.6	6.0	5.6	6.3
75°	3.3	3.6	3.6	2.6	3.0	3.6	2.6	3.0	4.0	3.3	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.7	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.7	1.7	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
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	0.7	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: P245982

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	677.9	677.9	677.6	676.9	675.6	675.6	675.2	674.3	673.6	673.3	673.3
5°	674.6	673.3	671.9	668.3	668.3	667.6	665.6	664.3	663.7	662.0	661.3
7.5°	671.6	667.6	665.3	663.0	660.0	658.7	656.4	655.4	653.0	651.4	650.4
10°	664.3	661.7	658.7	655.0	652.7	650.1	647.4	645.4	642.4	640.8	639.5
12.5°	659.3	655.4	652.7	648.7	644.8	642.4	638.8	636.5	633.5	630.2	628.2
15°	654.7	650.4	646.8	642.4	638.1	635.5	631.2	628.5	624.2	620.9	618.6
17.5°	647.8	644.1	640.1	634.8	630.9	627.5	622.9	619.6	615.6	611.3	609.0
20°	640.5	636.1	632.2	626.9	622.9	618.9	614.3	610.6	606.0	602.0	599.4
22.5°	630.9	625.9	622.6	617.3	612.6	608.3	604.0	599.7	595.4	592.1	589.1
25°	616.9	611.6	608.0	603.7	599.4	596.1	590.8	588.1	583.8	580.8	577.8
27.5°	597.0	593.1	589.8	585.5	581.8	579.2	575.2	572.5	568.9	566.2	563.9
30°	567.9	564.6	561.6	557.3	554.6	552.3	548.7	546.4	543.7	540.7	540.1
32.5°	528.8	526.1	523.2	520.2	518.2	516.9	513.9	512.6	509.9	508.3	506.6
35°	469.8	467.5	465.9	464.5	463.9	464.2	463.5	464.9	465.5	465.2	465.5
37.5°	392.6	391.3	392.0	393.0	396.3	400.6	404.6	410.5	414.5	418.5	422.1
40°	306.5	307.5	310.1	316.1	324.7	334.3	343.3	354.5	365.8	373.7	381.0
42.5°	231.3	234.3	240.9	249.5	262.4	276.7	290.6	307.1	320.7	334.0	343.3
45°	174.0	177.9	186.5	198.5	212.7	229.3	246.8	265.4	281.6	295.2	305.5
47.5°	135.5	139.2	147.8	160.4	177.9	195.2	213.4	232.6	249.5	262.7	271.7
50°	107.0	111.7	119.3	132.5	150.1	168.3	187.2	206.1	222.0	233.3	241.2
52.5°	84.2	88.5	95.8	109.7	127.6	145.8	163.3	181.9	195.8	206.7	212.1
55°	65.3	69.3	76.9	88.5	105.4	123.3	140.8	156.7	169.6	177.6	182.6
57.5°	49.7	52.7	58.0	69.6	84.8	101.4	116.3	132.2	142.1	147.8	151.1
60°	37.8	40.1	45.7	54.7	68.6	82.8	95.4	107.4	115.3	119.9	123.3
62.5°	28.5	31.1	35.1	42.7	53.3	64.9	75.5	84.5	91.1	94.1	96.4
65°	19.5	21.5	24.5	30.5	39.4	47.7	56.0	62.6	66.9	70.2	71.6
67.5°	14.6	15.9	17.6	22.2	28.5	35.1	40.7	45.4	50.0	51.4	53.7
70°	10.9	11.9	13.6	16.9	20.5	25.2	29.8	32.5	35.8	38.1	38.8
72.5°	7.0	7.3	8.9	10.9	13.9	16.9	19.9	22.2	24.2	25.5	26.2
75°	4.0	6.0	6.0	8.0	9.9	11.3	13.3	14.9	15.9	16.9	16.9
77.5°	2.6	3.6	4.0	5.0	6.0	7.6	9.3	10.3	11.3	11.6	11.6
80°	2.3	2.6	2.6	3.6	4.3	5.6	6.6	7.0	7.6	8.0	8.6
82.5°	1.0	1.3	1.7	2.6	3.0	3.0	4.0	4.3	5.0	5.3	5.3
85°	0.3	0.7	0.7	1.0	1.7	2.0	2.3	2.6	3.0	3.0	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P245982

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	678.6	678.6	678.6	678.6	678.6	678.6	678.6
2.5°	672.6	672.9	671.6	671.3	670.6	670.9	671.6
5°	660.3	660.7	659.3	658.0	658.0	657.7	658.0
7.5°	648.7	649.1	647.1	646.4	645.1	645.4	645.4
10°	637.1	637.1	634.2	633.8	632.8	632.5	632.5
12.5°	625.9	624.9	622.6	621.2	621.9	619.9	619.9
15°	615.9	614.3	611.3	610.3	608.7	608.0	608.0
17.5°	605.7	604.3	601.7	599.7	597.7	597.4	597.7
20°	595.7	594.4	591.1	589.8	588.1	588.1	587.4
22.5°	585.8	584.5	581.5	580.5	578.2	578.2	578.5
25°	575.5	574.5	571.2	570.6	570.2	568.9	569.6
27.5°	561.6	560.9	558.3	557.3	556.0	555.6	556.3
30°	536.1	535.1	533.1	532.1	529.8	530.1	530.8
32.5°	504.3	503.0	500.3	499.3	497.3	496.7	497.0
35°	464.5	463.5	461.2	461.2	459.2	458.6	459.2
37.5°	424.1	425.1	424.1	425.1	424.1	423.8	424.1
40°	386.0	389.6	390.3	394.0	392.6	394.6	394.3
42.5°	349.6	355.5	357.8	360.8	360.2	361.5	362.5
45°	312.8	317.7	320.1	322.1	322.4	323.1	323.4
47.5°	278.0	282.0	282.3	284.6	284.3	284.3	285.3
50°	245.5	248.2	248.8	250.5	249.2	248.5	248.8
52.5°	215.4	218.0	217.3	218.0	216.4	215.7	216.0
55°	184.5	185.9	185.9	185.9	183.9	183.9	183.9
57.5°	153.1	153.4	152.7	153.1	152.7	150.8	150.4
60°	124.3	124.3	123.9	124.3	123.3	122.3	122.3
62.5°	97.1	97.7	99.1	97.7	97.1	97.7	96.7
65°	72.6	73.9	73.5	74.2	73.9	73.9	73.2
67.5°	54.7	55.0	55.3	55.7	55.7	55.7	55.7
70°	40.1	41.1	40.7	40.7	40.7	40.7	42.7
72.5°	26.8	28.2	27.8	28.5	28.5	29.2	28.5
75°	18.2	19.5	18.9	19.9	19.5	18.9	20.5
77.5°	12.3	12.9	13.3	13.6	13.3	12.9	13.3
80°	8.6	9.3	8.9	9.3	9.3	9.3	9.6
82.5°	5.3	6.3	6.0	6.3	6.0	6.3	6.3
85°	3.6	4.0	3.3	4.0	3.6	3.6	4.3
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)