

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: P245826

Luminaire Tested: **LD8B10D010 ER8B10835 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245826
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 ER8B10835 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1055.0 lumens
Efficiency: N/A
Efficacy: 103.4 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

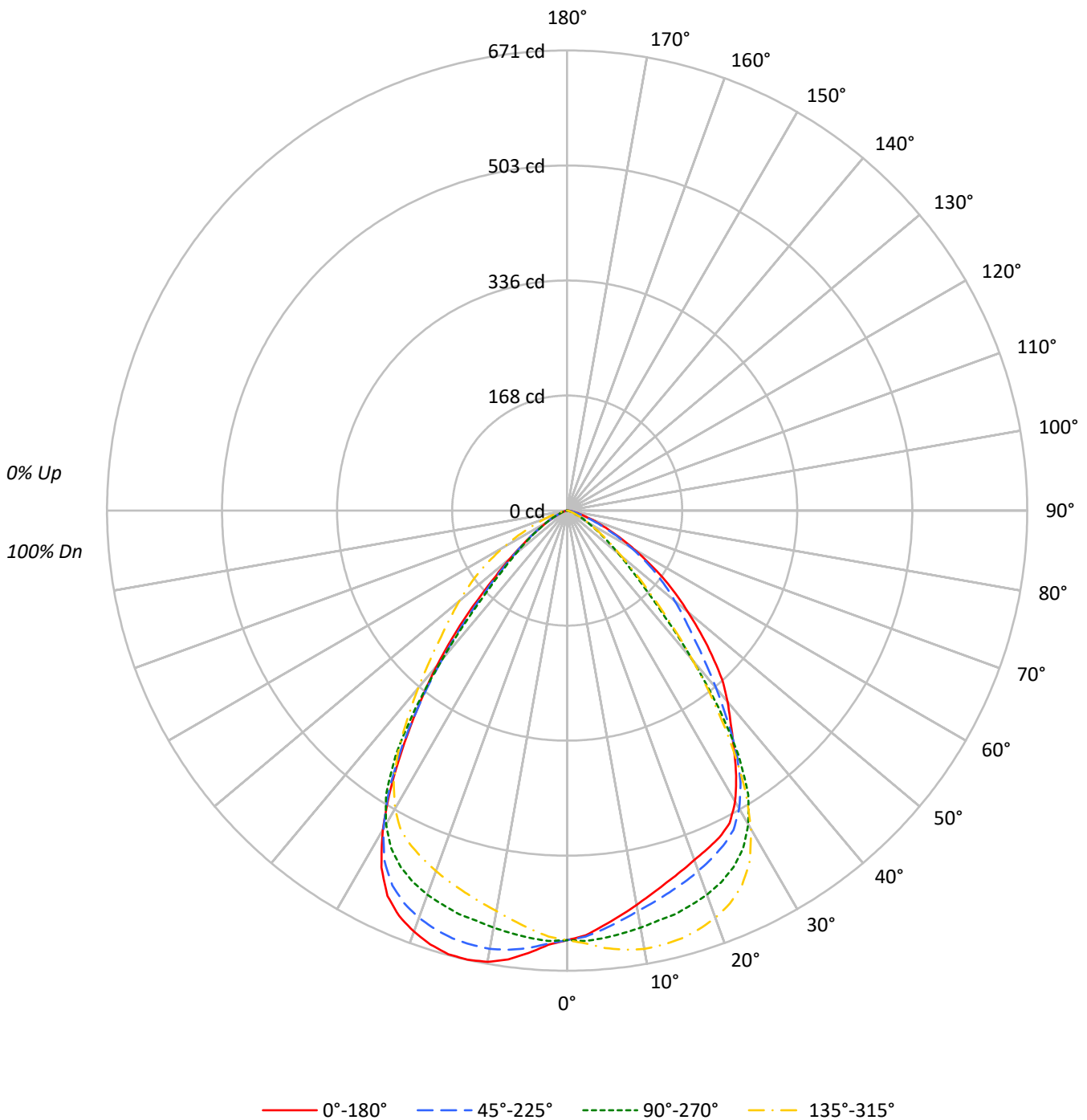
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	19313	19313	19313	19313
5°	18802	19359	20049	19359
10°	18280	19332	20923	19332
15°	17916	19448	21380	19448
20°	17792	19558	21435	19558
25°	17886	19520	21092	19520
30°	17444	18804	19142	18804
35°	15957	16405	15566	16405
40°	14648	11412	11915	11412
45°	13017	6960	8055	6960
50°	11019	4649	5167	4649
55°	9123	3172	3355	3172
60°	6957	2115	2134	2115
65°	4932	1313	1204	1313
70°	3561	884	802	884
75°	2264	441	369	441
80°	1580	320	266	320
85°	1415	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	5.7
10°-20°	172.6	16.4
20°-30°	261.4	24.8
30°-40°	262.0	24.8
40°-50°	164.5	15.6
50°-60°	87.7	8.3
60°-70°	36.1	3.4
70°-80°	9.5	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°	493.6	46.8
0°-40°	755.6	71.6
0°-60°	1007.8	95.5
0°-90°	1055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1055.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	626	626	626	626	626	
5°	607	625	648	625	607	57
15°	561	609	670	609	561	159
25°	526	574	620	574	526	241
35°	424	436	414	436	424	266
45°	298	160	185	160	298	230
55°	170	59	62	59	170	151
65°	68	18	16	18	68	70
75°	19	4	3	4	19	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°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	619.9	619.3	619.0	619.6	619.9	621.1	620.8	621.4	621.4	621.7	622.3
5°	607.4	607.0	607.4	607.4	608.6	609.8	609.5	610.4	611.0	612.6	613.2
7.5°	595.7	595.7	595.4	596.7	597.3	599.1	598.8	600.3	601.2	602.8	604.9
10°	583.8	583.8	584.1	585.0	585.3	588.1	588.1	590.2	591.5	593.0	595.7
12.5°	572.2	572.2	574.0	573.4	574.6	576.8	577.7	579.8	581.7	584.7	587.5
15°	561.2	561.2	561.8	563.3	564.2	567.0	568.5	571.0	573.1	576.2	580.1
17.5°	551.7	551.4	551.7	553.5	555.4	557.8	559.0	562.1	564.2	568.2	571.9
20°	542.2	542.8	542.8	544.4	545.6	548.6	549.9	553.2	555.7	559.3	563.6
22.5°	534.0	533.7	533.7	535.8	536.7	539.5	540.7	543.7	546.5	549.6	553.5
25°	525.7	525.1	526.3	526.6	527.2	530.3	531.2	533.3	536.1	538.9	542.8
27.5°	513.5	512.9	513.2	514.4	515.3	517.8	518.4	520.5	522.6	525.1	528.5
30°	489.9	489.3	489.0	491.2	492.1	493.9	494.8	498.5	499.1	501.9	504.3
32.5°	458.7	458.4	459.0	460.9	461.8	464.2	465.5	467.6	469.1	470.7	473.1
35°	423.9	423.3	423.9	425.7	425.7	427.8	428.8	429.7	429.4	429.7	429.1
37.5°	391.5	391.1	391.5	392.4	391.5	392.4	391.5	389.6	386.3	382.6	378.9
40°	363.9	364.2	362.4	363.6	360.3	359.6	356.3	351.7	345.0	337.6	327.2
42.5°	334.6	333.7	332.4	333.0	330.3	328.1	322.6	316.8	308.3	296.0	283.5
45°	298.5	298.2	297.6	297.3	295.4	293.3	288.7	282.0	272.5	260.0	245.0
47.5°	263.3	262.4	262.4	262.7	260.6	260.3	256.6	250.8	242.5	230.3	214.7
50°	229.7	229.4	230.0	231.2	229.7	229.1	226.6	222.6	215.3	204.9	190.2
52.5°	199.4	199.1	199.7	201.2	200.6	201.2	198.8	195.7	190.8	180.7	167.9
55°	169.7	169.7	169.7	171.6	171.6	171.6	170.3	168.5	163.9	156.6	144.7
57.5°	138.8	139.1	141.0	141.3	141.0	141.6	141.3	139.4	136.4	131.2	122.0
60°	112.8	112.8	113.8	114.7	114.4	114.7	114.7	113.8	110.7	106.4	99.1
62.5°	89.3	90.2	89.6	90.2	91.4	90.2	89.6	89.0	86.9	84.1	78.0
65°	67.6	68.2	68.2	68.5	67.9	68.2	67.0	66.1	64.8	61.8	57.8
67.5°	51.4	51.4	51.4	51.4	51.1	50.8	50.5	49.5	47.4	46.2	41.9
70°	39.5	37.6	37.6	37.6	37.6	37.9	37.0	35.8	35.2	33.0	30.0
72.5°	26.3	26.9	26.3	26.3	25.7	26.0	24.8	24.2	23.6	22.3	20.5
75°	19.0	17.4	18.0	18.4	17.4	18.0	16.8	15.6	15.6	14.7	13.8
77.5°	12.2	11.9	12.2	12.5	12.2	11.9	11.3	10.7	10.7	10.4	9.5
80°	8.9	8.6	8.6	8.6	8.3	8.6	8.0	8.0	7.3	7.0	6.4
82.5°	5.8	5.8	5.5	5.8	5.5	5.8	4.9	4.9	4.9	4.6	4.0
85°	4.0	3.4	3.4	3.7	3.1	3.7	3.4	3.1	2.8	2.8	2.4
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°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	623.3	623.6	623.6	624.8	625.4	625.7	625.7	628.2	627.2	627.9	628.5
5°	614.4	616.2	616.8	616.8	620.2	621.4	622.6	625.4	625.7	627.5	629.7
7.5°	605.8	608.0	609.2	611.9	614.1	616.2	619.9	621.7	623.6	626.0	628.8
10°	597.6	600.0	602.5	604.6	608.0	610.7	613.2	617.4	619.6	623.0	626.6
12.5°	589.6	593.0	595.1	598.8	602.5	604.9	608.6	612.6	615.9	619.3	623.6
15°	582.6	586.6	589.0	593.0	597.0	600.3	604.3	609.2	611.6	615.6	619.6
17.5°	574.9	579.2	582.3	586.0	590.8	594.5	597.9	602.8	605.8	610.1	614.7
20°	567.0	571.3	574.9	578.6	583.5	587.2	591.1	596.0	599.4	603.7	607.4
22.5°	557.5	561.5	565.5	569.7	574.6	577.7	582.3	586.6	590.2	594.2	597.9
25°	545.3	550.2	553.2	557.2	561.2	564.5	569.4	573.7	576.8	580.5	583.8
27.5°	530.9	534.6	537.0	540.4	544.4	547.4	551.1	555.4	558.4	561.8	564.2
30°	506.4	509.8	511.9	514.4	518.4	521.1	524.2	528.1	530.3	532.7	534.9
32.5°	474.3	477.1	478.3	480.1	482.9	485.6	488.1	491.5	492.4	493.9	493.9
35°	427.8	428.5	428.1	428.8	430.0	431.5	433.7	435.8	437.0	437.0	436.1
37.5°	373.4	369.7	365.8	362.7	361.8	361.2	362.4	363.3	364.5	365.1	363.6
40°	316.8	308.6	299.7	291.7	286.2	283.8	282.9	283.5	283.5	285.6	285.6
42.5°	268.2	255.4	242.2	230.3	222.3	216.2	213.5	213.5	213.8	215.3	216.2
45°	227.8	211.6	196.3	183.2	172.2	164.2	160.6	159.6	159.3	159.9	162.1
47.5°	196.9	180.1	164.2	148.0	136.4	128.4	125.1	123.9	122.6	123.9	124.2
50°	172.8	155.4	138.5	122.3	110.1	103.1	98.8	96.9	96.6	96.6	97.3
52.5°	150.8	134.6	117.7	101.2	88.4	81.7	77.7	76.8	75.5	76.8	76.8
55°	130.0	113.8	97.3	81.7	70.9	63.9	60.2	59.0	58.4	59.3	59.3
57.5°	107.3	93.6	78.3	64.2	53.5	48.6	45.9	44.3	44.0	44.6	44.0
60°	88.1	76.5	63.3	50.5	42.2	37.0	34.9	34.3	33.6	34.3	34.3
62.5°	69.7	59.9	49.2	39.5	32.4	28.8	26.3	26.3	26.0	26.0	26.3
65°	51.7	44.0	36.4	28.1	22.6	19.9	18.0	18.0	17.7	18.0	17.7
67.5°	37.6	32.4	26.3	20.5	16.2	14.7	13.5	12.5	13.2	12.5	12.2
70°	27.5	23.2	19.0	15.6	12.5	11.0	10.1	9.8	9.2	9.2	9.2
72.5°	18.4	15.6	12.8	10.1	8.3	6.7	6.4	5.8	5.2	5.5	6.1
75°	12.2	10.4	9.2	7.3	5.5	5.5	3.7	3.7	3.1	3.7	2.8
77.5°	8.6	7.0	5.5	4.6	3.7	3.4	2.4	2.4	2.1	2.1	2.1
80°	6.1	5.2	4.0	3.4	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.7	2.8	2.8	2.4	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°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	630.0	629.7	630.3	630.3	632.1	631.8	632.7	632.7	632.1	632.4	633.7
5°	632.1	633.1	634.9	636.4	639.2	640.4	641.9	643.5	643.8	644.7	645.6
7.5°	632.1	635.2	637.3	640.1	643.8	645.9	649.3	652.0	653.2	654.8	656.6
10°	630.9	634.0	637.9	641.0	645.6	649.0	652.3	656.6	658.4	660.9	663.3
12.5°	628.5	631.8	636.1	640.1	645.3	648.3	652.6	656.6	659.4	662.7	665.5
15°	624.8	628.8	632.7	636.7	642.2	645.9	649.9	654.5	657.2	660.9	663.3
17.5°	619.0	623.3	626.9	630.6	635.8	640.1	643.8	648.0	650.8	653.8	657.2
20°	611.9	615.9	619.9	623.0	628.2	631.8	635.8	639.8	641.9	642.5	647.7
22.5°	603.1	605.8	608.9	613.8	616.8	620.2	623.9	627.5	629.7	633.1	634.9
25°	588.4	591.1	594.5	596.7	600.3	603.1	606.7	610.7	611.9	614.4	616.2
27.5°	567.9	569.4	571.0	572.8	574.9	576.5	578.6	580.5	581.7	582.9	584.1
30°	535.5	535.5	535.5	534.3	535.2	536.1	536.4	536.1	536.1	535.8	535.8
32.5°	492.7	490.2	487.5	485.0	484.1	482.9	482.3	481.4	479.8	478.9	479.2
35°	434.9	429.4	426.0	423.0	420.5	418.7	417.8	416.8	416.5	415.3	414.1
37.5°	362.7	358.7	356.3	354.4	352.3	350.5	350.8	351.1	352.0	351.4	351.7
40°	286.2	285.3	286.2	284.1	283.5	284.1	285.6	287.8	289.0	290.2	292.4
42.5°	217.7	219.3	221.4	221.4	222.3	223.6	225.4	228.8	230.6	232.7	235.2
45°	163.9	165.8	168.5	169.4	170.0	171.6	173.7	176.5	177.7	179.5	181.7
47.5°	126.3	127.5	129.1	130.6	132.1	132.7	134.9	134.9	136.4	137.6	138.2
50°	98.5	99.7	100.9	101.8	102.5	103.4	104.0	104.9	105.2	105.8	106.1
52.5°	77.1	78.6	78.6	79.2	80.1	81.0	80.7	81.0	81.3	81.3	82.3
55°	60.2	60.2	61.2	61.2	61.8	61.5	61.8	61.8	61.8	61.8	62.1
57.5°	45.0	45.3	46.2	45.6	45.3	45.9	45.3	45.9	45.6	46.2	45.3
60°	34.6	34.6	34.9	34.9	35.2	35.2	35.2	34.9	34.9	34.6	34.6
62.5°	26.0	26.3	26.6	26.3	26.3	26.3	26.0	26.0	25.7	25.4	25.4
65°	17.4	17.1	17.7	17.1	17.4	17.4	17.1	17.4	16.5	16.8	16.5
67.5°	12.5	12.2	11.9	12.2	11.9	11.6	11.6	11.9	12.2	11.3	11.3
70°	8.3	8.6	8.3	8.6	8.9	8.9	8.6	8.3	8.6	8.0	8.3
72.5°	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	4.9	4.9	4.6
75°	2.4	3.4	2.8	2.4	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.4	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 ER8B10835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	633.4	633.1	633.4	633.7	633.4	633.1	633.4	633.7	632.4	632.1	632.7
5°	646.8	646.8	647.4	647.7	647.4	646.8	646.8	645.6	644.7	643.8	643.5
7.5°	658.4	659.0	659.7	660.0	659.7	659.0	658.4	656.6	654.8	653.2	652.0
10°	665.5	666.4	667.6	668.2	667.6	666.4	665.5	663.3	660.9	658.4	656.6
12.5°	668.5	669.4	671.0	670.7	671.0	669.4	668.5	665.5	662.7	659.4	656.6
15°	666.4	667.6	669.1	669.7	669.1	667.6	666.4	663.3	660.9	657.2	654.5
17.5°	659.7	661.5	662.4	663.3	662.4	661.5	659.7	657.2	653.8	650.8	648.0
20°	650.5	651.7	652.9	653.2	652.9	651.7	650.5	647.7	642.5	641.9	639.8
22.5°	637.3	638.3	641.0	640.1	641.0	638.3	637.3	634.9	633.1	629.7	627.5
25°	618.4	619.3	619.6	619.9	619.6	619.3	618.4	616.2	614.4	611.9	610.7
27.5°	585.6	585.6	586.3	586.6	586.3	585.6	585.6	584.1	582.9	581.7	580.5
30°	536.1	536.1	536.1	537.6	536.1	536.1	536.1	535.8	535.8	536.1	536.1
32.5°	478.9	478.3	477.7	478.3	477.7	478.3	478.9	479.2	478.9	479.8	481.4
35°	414.1	413.8	414.7	413.5	414.7	413.8	414.1	414.1	415.3	416.5	416.8
37.5°	352.0	351.4	352.6	351.4	352.6	351.4	352.0	351.7	351.4	352.0	351.1
40°	293.0	293.6	293.6	296.0	293.6	293.6	293.0	292.4	290.2	289.0	287.8
42.5°	236.4	238.2	237.6	239.5	237.6	238.2	236.4	235.2	232.7	230.6	228.8
45°	182.9	184.1	184.1	184.7	184.1	184.1	182.9	181.7	179.5	177.7	176.5
47.5°	140.4	140.4	140.4	140.7	140.4	140.4	140.4	138.2	137.6	136.4	134.9
50°	106.7	107.0	107.3	107.7	107.3	107.0	106.7	106.1	105.8	105.2	104.9
52.5°	82.0	82.3	81.7	82.3	81.7	82.3	82.0	82.3	81.3	81.3	81.0
55°	62.1	61.8	62.1	62.4	62.1	61.8	62.1	62.1	61.8	61.8	61.8
57.5°	45.6	45.0	45.0	45.0	45.0	45.0	45.6	45.3	46.2	45.6	45.9
60°	33.9	34.3	34.3	34.6	34.3	34.3	33.9	34.6	34.6	34.9	34.9
62.5°	25.1	26.0	25.4	26.0	25.4	26.0	25.1	25.4	25.4	25.7	26.0
65°	16.2	16.2	16.2	16.5	16.2	16.2	16.2	16.5	16.8	16.5	17.4
67.5°	11.0	11.3	11.9	11.6	11.9	11.3	11.0	11.3	11.3	12.2	11.9
70°	8.9	8.0	8.0	8.9	8.0	8.0	8.9	8.3	8.0	8.6	8.3
72.5°	5.2	4.6	5.2	5.2	5.2	4.6	5.2	4.6	4.9	4.9	5.5
75°	2.8	2.4	2.1	3.1	2.1	2.4	2.8	2.8	2.8	2.8	3.1
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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	632.7	631.8	632.1	630.3	630.3	629.7	630.0	628.5	627.9	627.2	628.2
5°	641.9	640.4	639.2	636.4	634.9	633.1	632.1	629.7	627.5	625.7	625.4
7.5°	649.3	645.9	643.8	640.1	637.3	635.2	632.1	628.8	626.0	623.6	621.7
10°	652.3	649.0	645.6	641.0	637.9	634.0	630.9	626.6	623.0	619.6	617.4
12.5°	652.6	648.3	645.3	640.1	636.1	631.8	628.5	623.6	619.3	615.9	612.6
15°	649.9	645.9	642.2	636.7	632.7	628.8	624.8	619.6	615.6	611.6	609.2
17.5°	643.8	640.1	635.8	630.6	626.9	623.3	619.0	614.7	610.1	605.8	602.8
20°	635.8	631.8	628.2	623.0	619.9	615.9	611.9	607.4	603.7	599.4	596.0
22.5°	623.9	620.2	616.8	613.8	608.9	605.8	603.1	597.9	594.2	590.2	586.6
25°	606.7	603.1	600.3	596.7	594.5	591.1	588.4	583.8	580.5	576.8	573.7
27.5°	578.6	576.5	574.9	572.8	571.0	569.4	567.9	564.2	561.8	558.4	555.4
30°	536.4	536.1	535.2	534.3	535.5	535.5	535.5	534.9	532.7	530.3	528.1
32.5°	482.3	482.9	484.1	485.0	487.5	490.2	492.7	493.9	493.9	492.4	491.5
35°	417.8	418.7	420.5	423.0	426.0	429.4	434.9	436.1	437.0	437.0	435.8
37.5°	350.8	350.5	352.3	354.4	356.3	358.7	362.7	363.6	365.1	364.5	363.3
40°	285.6	284.1	283.5	284.1	286.2	285.3	286.2	285.6	285.6	283.5	283.5
42.5°	225.4	223.6	222.3	221.4	221.4	219.3	217.7	216.2	215.3	213.8	213.5
45°	173.7	171.6	170.0	169.4	168.5	165.8	163.9	162.1	159.9	159.3	159.6
47.5°	134.9	132.7	132.1	130.6	129.1	127.5	126.3	124.2	123.9	122.6	123.9
50°	104.0	103.4	102.5	101.8	100.9	99.7	98.5	97.3	96.6	96.6	96.9
52.5°	80.7	81.0	80.1	79.2	78.6	78.6	77.1	76.8	76.8	75.5	76.8
55°	61.8	61.5	61.8	61.2	61.2	60.2	60.2	59.3	59.3	58.4	59.0
57.5°	45.3	45.9	45.3	45.6	46.2	45.3	45.0	44.0	44.6	44.0	44.3
60°	35.2	35.2	35.2	34.9	34.9	34.6	34.6	34.3	34.3	33.6	34.3
62.5°	26.0	26.3	26.3	26.3	26.6	26.3	26.0	26.3	26.0	26.0	26.3
65°	17.1	17.4	17.4	17.1	17.7	17.1	17.4	17.7	18.0	17.7	18.0
67.5°	11.6	11.6	11.9	12.2	11.9	12.2	12.5	12.2	12.5	13.2	12.5
70°	8.6	8.9	8.9	8.6	8.3	8.6	8.3	9.2	9.2	9.2	9.8
72.5°	5.5	5.5	5.2	5.2	5.2	5.2	5.2	6.1	5.5	5.2	5.8
75°	3.1	3.4	3.4	2.4	2.8	3.4	2.4	2.8	3.7	3.1	3.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.1	2.1	2.1	2.4
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



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	625.7	625.7	625.4	624.8	623.6	623.6	623.3	622.3	621.7	621.4	621.4
5°	622.6	621.4	620.2	616.8	616.8	616.2	614.4	613.2	612.6	611.0	610.4
7.5°	619.9	616.2	614.1	611.9	609.2	608.0	605.8	604.9	602.8	601.2	600.3
10°	613.2	610.7	608.0	604.6	602.5	600.0	597.6	595.7	593.0	591.5	590.2
12.5°	608.6	604.9	602.5	598.8	595.1	593.0	589.6	587.5	584.7	581.7	579.8
15°	604.3	600.3	597.0	593.0	589.0	586.6	582.6	580.1	576.2	573.1	571.0
17.5°	597.9	594.5	590.8	586.0	582.3	579.2	574.9	571.9	568.2	564.2	562.1
20°	591.1	587.2	583.5	578.6	574.9	571.3	567.0	563.6	559.3	555.7	553.2
22.5°	582.3	577.7	574.6	569.7	565.5	561.5	557.5	553.5	549.6	546.5	543.7
25°	569.4	564.5	561.2	557.2	553.2	550.2	545.3	542.8	538.9	536.1	533.3
27.5°	551.1	547.4	544.4	540.4	537.0	534.6	530.9	528.5	525.1	522.6	520.5
30°	524.2	521.1	518.4	514.4	511.9	509.8	506.4	504.3	501.9	499.1	498.5
32.5°	488.1	485.6	482.9	480.1	478.3	477.1	474.3	473.1	470.7	469.1	467.6
35°	433.7	431.5	430.0	428.8	428.1	428.5	427.8	429.1	429.7	429.4	429.7
37.5°	362.4	361.2	361.8	362.7	365.8	369.7	373.4	378.9	382.6	386.3	389.6
40°	282.9	283.8	286.2	291.7	299.7	308.6	316.8	327.2	337.6	345.0	351.7
42.5°	213.5	216.2	222.3	230.3	242.2	255.4	268.2	283.5	296.0	308.3	316.8
45°	160.6	164.2	172.2	183.2	196.3	211.6	227.8	245.0	260.0	272.5	282.0
47.5°	125.1	128.4	136.4	148.0	164.2	180.1	196.9	214.7	230.3	242.5	250.8
50°	98.8	103.1	110.1	122.3	138.5	155.4	172.8	190.2	204.9	215.3	222.6
52.5°	77.7	81.7	88.4	101.2	117.7	134.6	150.8	167.9	180.7	190.8	195.7
55°	60.2	63.9	70.9	81.7	97.3	113.8	130.0	144.7	156.6	163.9	168.5
57.5°	45.9	48.6	53.5	64.2	78.3	93.6	107.3	122.0	131.2	136.4	139.4
60°	34.9	37.0	42.2	50.5	63.3	76.5	88.1	99.1	106.4	110.7	113.8
62.5°	26.3	28.8	32.4	39.5	49.2	59.9	69.7	78.0	84.1	86.9	89.0
65°	18.0	19.9	22.6	28.1	36.4	44.0	51.7	57.8	61.8	64.8	66.1
67.5°	13.5	14.7	16.2	20.5	26.3	32.4	37.6	41.9	46.2	47.4	49.5
70°	10.1	11.0	12.5	15.6	19.0	23.2	27.5	30.0	33.0	35.2	35.8
72.5°	6.4	6.7	8.3	10.1	12.8	15.6	18.4	20.5	22.3	23.6	24.2
75°	3.7	5.5	5.5	7.3	9.2	10.4	12.2	13.8	14.7	15.6	15.6
77.5°	2.4	3.4	3.7	4.6	5.5	7.0	8.6	9.5	10.4	10.7	10.7
80°	2.1	2.4	2.4	3.4	4.0	5.2	6.1	6.4	7.0	7.3	8.0
82.5°	0.9	1.2	1.5	2.4	2.8	2.8	3.7	4.0	4.6	4.9	4.9
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.1	2.4	2.8	2.8	3.1
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: P245826

CATALOG NUMBER: LD8B10D010 ER8B10835 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	620.8	621.1	619.9	619.6	619.0	619.3	619.9
5°	609.5	609.8	608.6	607.4	607.4	607.0	607.4
7.5°	598.8	599.1	597.3	596.7	595.4	595.7	595.7
10°	588.1	588.1	585.3	585.0	584.1	583.8	583.8
12.5°	577.7	576.8	574.6	573.4	574.0	572.2	572.2
15°	568.5	567.0	564.2	563.3	561.8	561.2	561.2
17.5°	559.0	557.8	555.4	553.5	551.7	551.4	551.7
20°	549.9	548.6	545.6	544.4	542.8	542.8	542.2
22.5°	540.7	539.5	536.7	535.8	533.7	533.7	534.0
25°	531.2	530.3	527.2	526.6	526.3	525.1	525.7
27.5°	518.4	517.8	515.3	514.4	513.2	512.9	513.5
30°	494.8	493.9	492.1	491.2	489.0	489.3	489.9
32.5°	465.5	464.2	461.8	460.9	459.0	458.4	458.7
35°	428.8	427.8	425.7	425.7	423.9	423.3	423.9
37.5°	391.5	392.4	391.5	392.4	391.5	391.1	391.5
40°	356.3	359.6	360.3	363.6	362.4	364.2	363.9
42.5°	322.6	328.1	330.3	333.0	332.4	333.7	334.6
45°	288.7	293.3	295.4	297.3	297.6	298.2	298.5
47.5°	256.6	260.3	260.6	262.7	262.4	262.4	263.3
50°	226.6	229.1	229.7	231.2	230.0	229.4	229.7
52.5°	198.8	201.2	200.6	201.2	199.7	199.1	199.4
55°	170.3	171.6	171.6	171.6	169.7	169.7	169.7
57.5°	141.3	141.6	141.0	141.3	141.0	139.1	138.8
60°	114.7	114.7	114.4	114.7	113.8	112.8	112.8
62.5°	89.6	90.2	91.4	90.2	89.6	90.2	89.3
65°	67.0	68.2	67.9	68.5	68.2	68.2	67.6
67.5°	50.5	50.8	51.1	51.4	51.4	51.4	51.4
70°	37.0	37.9	37.6	37.6	37.6	37.6	39.5
72.5°	24.8	26.0	25.7	26.3	26.3	26.9	26.3
75°	16.8	18.0	17.4	18.4	18.0	17.4	19.0
77.5°	11.3	11.9	12.2	12.5	12.2	11.9	12.2
80°	8.0	8.6	8.3	8.6	8.6	8.6	8.9
82.5°	4.9	5.8	5.5	5.8	5.5	5.8	5.8
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.0
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)