

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: P245011

Luminaire Tested: **LD8B15D010 ER8B15927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245011
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: LD8B15D010 ER8B15927 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1199.3 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

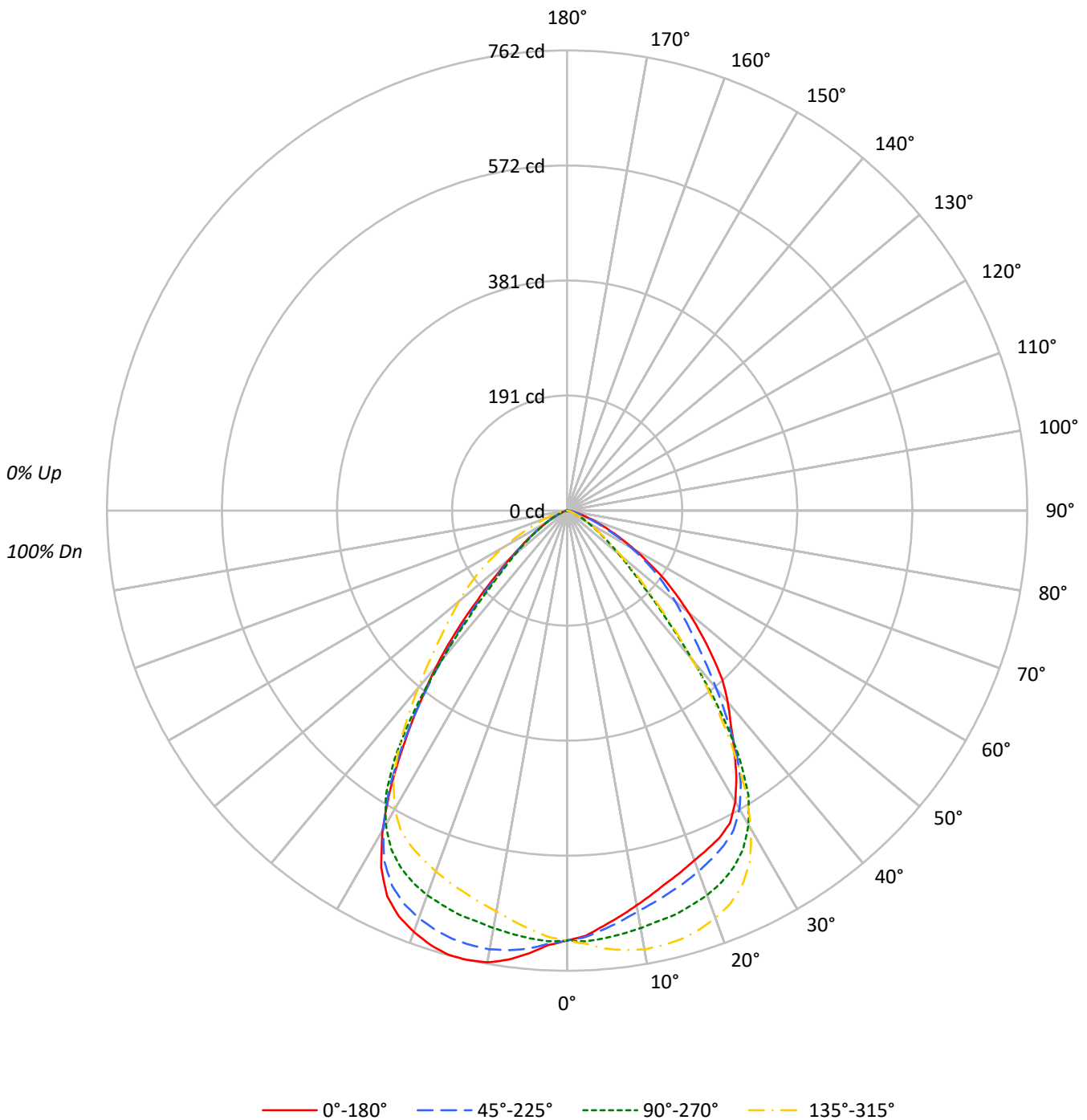
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	5.7
10°-20°	196.2	16.4
20°-30°	297.1	24.8
30°-40°	297.8	24.8
40°-50°	187.0	15.6
50°-60°	99.6	8.3
60°-70°	41.0	3.4
70°-80°	10.8	0.9
80°-90°	1.8	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°	561.1	46.8
0°-40°	859.0	71.6
0°-60°	1145.6	95.5
0°-90°	1199.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	712	712	712	712	712	
5°	690	711	736	711	690	65
15°	638	693	761	693	638	180
25°	598	652	705	652	598	274
35°	482	495	470	495	482	302
45°	339	182	210	182	339	261
55°	193	67	71	67	193	172
65°	77	20	19	20	77	80
75°	22	4	4	4	22	24
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°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	704.7	703.9	703.6	704.4	704.7	706.1	705.7	706.4	706.4	706.7	707.4
5°	690.4	690.1	690.4	690.4	691.8	693.2	692.9	693.9	694.6	696.3	697.1
7.5°	677.2	677.2	676.8	678.3	678.9	681.1	680.6	682.4	683.4	685.2	687.6
10°	663.6	663.6	664.0	665.0	665.3	668.5	668.5	670.9	672.3	674.1	677.2
12.5°	650.5	650.5	652.5	651.8	653.2	655.6	656.7	659.1	661.2	664.6	667.8
15°	637.9	637.9	638.7	640.4	641.4	644.5	646.2	649.0	651.5	655.0	659.5
17.5°	627.2	626.7	627.2	629.2	631.4	634.1	635.5	639.0	641.4	645.9	650.1
20°	616.4	617.1	617.1	618.8	620.2	623.7	625.1	628.9	631.7	635.8	640.7
22.5°	606.9	606.6	606.6	609.1	610.1	613.2	614.6	618.1	621.2	624.7	629.2
25°	597.6	596.9	598.3	598.6	599.3	602.8	603.8	606.3	609.4	612.6	617.1
27.5°	583.6	583.0	583.3	584.8	585.8	588.5	589.3	591.6	594.1	596.9	600.8
30°	556.9	556.2	555.9	558.3	559.4	561.4	562.5	566.7	567.3	570.5	573.3
32.5°	521.4	521.1	521.8	523.9	524.9	527.7	529.1	531.6	533.2	535.1	537.8
35°	481.8	481.2	481.8	483.9	483.9	486.3	487.4	488.5	488.0	488.5	487.7
37.5°	444.9	444.6	444.9	446.1	444.9	446.1	444.9	442.9	439.1	434.9	430.8
40°	413.7	414.0	412.0	413.3	409.5	408.8	405.0	399.8	392.2	383.8	371.9
42.5°	380.4	379.2	377.9	378.6	375.4	373.0	366.8	360.1	350.4	336.5	322.2
45°	339.3	339.0	338.3	338.0	335.8	333.3	328.2	320.5	309.7	295.5	278.4
47.5°	299.4	298.2	298.2	298.6	296.2	295.9	291.7	285.1	275.6	261.8	244.0
50°	261.1	260.8	261.4	262.8	261.1	260.3	257.6	253.1	244.7	232.9	216.2
52.5°	226.7	226.4	227.0	228.7	228.0	228.7	226.0	222.5	216.9	205.4	190.8
55°	192.9	192.9	192.9	195.0	195.0	195.0	193.6	191.6	186.3	178.0	164.5
57.5°	157.8	158.2	160.3	160.6	160.3	161.0	160.6	158.5	155.0	149.2	138.7
60°	128.2	128.2	129.4	130.4	130.0	130.4	130.4	129.4	125.9	120.9	112.6
62.5°	101.5	102.6	101.8	102.6	104.0	102.6	101.8	101.1	98.8	95.6	88.6
65°	76.8	77.5	77.5	77.9	77.2	77.5	76.2	75.0	73.7	70.2	65.7
67.5°	58.4	58.4	58.4	58.4	58.0	57.7	57.4	56.4	53.9	52.5	47.6
70°	44.9	42.8	42.8	42.8	42.8	43.1	42.1	40.7	39.9	37.6	34.1
72.5°	29.9	30.6	29.9	29.9	29.2	29.6	28.1	27.4	26.8	25.4	23.3
75°	21.6	19.8	20.5	20.8	19.8	20.5	19.1	17.8	17.8	16.7	15.6
77.5°	14.0	13.6	14.0	14.3	14.0	13.6	12.8	12.2	12.2	11.8	10.8
80°	10.1	9.7	9.7	9.7	9.3	9.7	9.0	9.0	8.3	8.0	7.3
82.5°	6.6	6.6	6.3	6.6	6.3	6.6	5.5	5.5	5.5	5.2	4.5
85°	4.5	3.8	3.8	4.2	3.5	4.2	3.8	3.5	3.2	3.2	2.8
87.5°	2.1	2.5	2.1	2.5	2.1	2.1	2.5	2.1	2.1	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°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	708.5	708.9	708.9	710.2	710.9	711.2	711.2	714.0	713.0	713.7	714.4
5°	698.4	700.4	701.2	701.2	705.0	706.4	707.7	710.9	711.2	713.4	715.7
7.5°	688.6	691.1	692.6	695.6	698.1	700.4	704.7	706.7	708.9	711.6	714.7
10°	679.3	682.1	684.8	687.3	691.1	694.2	697.1	701.9	704.4	708.2	712.4
12.5°	670.3	674.1	676.5	680.6	684.8	687.6	691.8	696.3	700.1	703.9	708.9
15°	662.3	666.8	669.6	674.1	678.6	682.4	686.9	692.6	695.2	699.8	704.4
17.5°	653.5	658.5	661.9	666.1	671.6	675.8	679.6	685.2	688.6	693.6	698.7
20°	644.5	649.4	653.5	657.7	663.3	667.5	672.0	677.6	681.4	686.2	690.4
22.5°	633.7	638.2	642.8	647.7	653.2	656.7	661.9	666.8	670.9	675.4	679.6
25°	619.9	625.4	628.9	633.4	637.9	641.7	647.3	652.2	655.6	659.8	663.6
27.5°	603.4	607.7	610.4	614.2	618.8	622.2	626.4	631.4	634.8	638.7	641.4
30°	575.7	579.5	582.0	584.8	589.3	592.4	595.8	600.4	602.8	605.6	608.1
32.5°	539.2	542.4	543.7	545.7	548.9	552.0	554.8	558.7	559.7	561.4	561.4
35°	486.3	487.0	486.7	487.4	488.8	490.5	493.0	495.3	496.8	496.8	495.8
37.5°	424.5	420.3	415.8	412.3	411.3	410.5	412.0	413.0	414.3	415.1	413.3
40°	360.1	350.8	340.7	331.7	325.3	322.7	321.5	322.2	322.2	324.7	324.7
42.5°	304.9	290.2	275.3	261.8	252.7	245.8	242.7	242.7	243.0	244.7	245.8
45°	259.0	240.5	223.2	208.2	195.8	186.6	182.5	181.5	181.1	181.8	184.3
47.5°	223.9	204.8	186.6	168.3	155.0	146.0	142.2	140.7	139.4	140.7	141.2
50°	196.4	176.6	157.5	139.0	125.1	117.1	112.3	110.1	109.8	109.8	110.6
52.5°	171.3	153.0	133.9	115.1	100.5	92.8	88.3	87.3	85.8	87.3	87.3
55°	147.7	129.4	110.6	92.8	80.7	72.7	68.5	67.0	66.4	67.4	67.4
57.5°	122.1	106.4	89.0	73.0	60.9	55.2	52.1	50.4	50.1	50.7	50.1
60°	100.1	87.0	72.0	57.4	47.9	42.1	39.6	38.9	38.2	38.9	38.9
62.5°	79.3	68.2	55.9	44.9	36.9	32.7	29.9	29.9	29.6	29.6	29.9
65°	58.7	50.1	41.4	32.0	25.8	22.6	20.5	20.5	20.1	20.5	20.1
67.5°	42.8	36.9	29.9	23.3	18.4	16.7	15.3	14.3	15.0	14.3	14.0
70°	31.3	26.4	21.6	17.8	14.3	12.5	11.5	11.1	10.5	10.5	10.5
72.5°	20.8	17.8	14.6	11.5	9.3	7.6	7.3	6.6	6.0	6.3	7.0
75°	14.0	11.8	10.5	8.3	6.3	6.3	4.2	4.2	3.5	4.2	3.2
77.5°	9.7	8.0	6.3	5.2	4.2	3.8	2.8	2.8	2.5	2.5	2.5
80°	7.0	6.0	4.5	3.8	2.8	2.8	2.5	2.1	1.7	1.7	2.1
82.5°	4.2	3.2	3.2	2.8	1.7	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.5	2.1	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°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	716.2	715.7	716.5	716.5	718.5	718.2	719.2	719.2	718.5	718.9	720.3
5°	718.5	719.7	721.7	723.5	726.5	728.0	729.7	731.5	731.8	732.8	733.8
7.5°	718.5	722.0	724.5	727.6	731.8	734.2	738.0	741.2	742.5	744.3	746.3
10°	717.2	720.7	725.2	728.7	733.8	737.7	741.5	746.3	748.5	751.3	754.0
12.5°	714.4	718.2	723.0	727.6	733.5	737.0	741.8	746.3	749.5	753.3	756.4
15°	710.2	714.7	719.2	723.8	730.0	734.2	738.7	744.0	747.1	751.3	754.0
17.5°	703.6	708.5	712.7	716.8	722.7	727.6	731.8	736.6	739.8	743.3	747.1
20°	695.6	700.1	704.7	708.2	714.0	718.2	722.7	727.2	729.7	730.4	736.3
22.5°	685.6	688.6	692.1	697.7	701.2	705.0	709.2	713.4	715.7	719.7	721.7
25°	668.8	672.0	675.8	678.3	682.4	685.6	689.7	694.2	695.6	698.4	700.4
27.5°	645.5	647.3	649.0	651.2	653.5	655.3	657.7	659.8	661.2	662.6	664.0
30°	608.7	608.7	608.7	607.3	608.4	609.4	609.8	609.4	609.4	609.1	609.1
32.5°	560.0	557.2	554.2	551.4	550.4	548.9	548.2	547.2	545.4	544.4	544.7
35°	494.3	488.0	484.3	480.8	478.0	475.9	474.9	473.8	473.5	472.0	470.7
37.5°	412.3	407.8	405.0	402.9	400.5	398.4	398.7	399.0	400.2	399.5	399.8
40°	325.3	324.3	325.3	323.0	322.2	323.0	324.7	327.2	328.5	330.0	332.3
42.5°	247.5	249.3	251.7	251.7	252.7	254.1	256.2	260.0	262.1	264.6	267.3
45°	186.3	188.4	191.6	192.6	193.3	195.0	197.4	200.6	201.9	204.1	206.4
47.5°	143.5	145.0	146.7	148.4	150.2	150.9	153.3	153.3	155.0	156.5	157.2
50°	111.9	113.3	114.8	115.8	116.4	117.4	118.2	119.2	119.6	120.3	120.6
52.5°	87.6	89.3	89.3	90.0	91.1	92.1	91.8	92.1	92.5	92.5	93.5
55°	68.5	68.5	69.5	69.5	70.2	69.9	70.2	70.2	70.2	70.2	70.5
57.5°	51.1	51.4	52.5	51.8	51.4	52.1	51.4	52.1	51.8	52.5	51.4
60°	39.3	39.3	39.6	39.6	39.9	39.9	39.9	39.6	39.6	39.3	39.3
62.5°	29.6	29.9	30.3	29.9	29.9	29.9	29.6	29.6	29.2	28.8	28.8
65°	19.8	19.5	20.1	19.5	19.8	19.8	19.5	19.8	18.8	19.1	18.8
67.5°	14.3	14.0	13.6	14.0	13.6	13.2	13.2	13.6	14.0	12.8	12.8
70°	9.3	9.7	9.3	9.7	10.1	10.1	9.7	9.3	9.7	9.0	9.3
72.5°	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	5.5	5.5	5.2
75°	2.8	3.8	3.2	2.8	3.8	3.8	3.5	3.5	3.2	3.2	3.2
77.5°	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.7	2.1	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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	720.0	719.7	720.0	720.3	720.0	719.7	720.0	720.3	718.9	718.5	719.2
5°	735.3	735.3	736.0	736.3	736.0	735.3	735.3	733.8	732.8	731.8	731.5
7.5°	748.5	749.1	749.8	750.2	749.8	749.1	748.5	746.3	744.3	742.5	741.2
10°	756.4	757.5	758.9	759.6	758.9	757.5	756.4	754.0	751.3	748.5	746.3
12.5°	759.9	760.9	762.8	762.4	762.8	760.9	759.9	756.4	753.3	749.5	746.3
15°	757.5	758.9	760.6	761.3	760.6	758.9	757.5	754.0	751.3	747.1	744.0
17.5°	749.8	751.9	753.0	754.0	753.0	751.9	749.8	747.1	743.3	739.8	736.6
20°	739.5	740.8	742.2	742.5	742.2	740.8	739.5	736.3	730.4	729.7	727.2
22.5°	724.5	725.5	728.7	727.6	728.7	725.5	724.5	721.7	719.7	715.7	713.4
25°	702.9	703.9	704.4	704.7	704.4	703.9	702.9	700.4	698.4	695.6	694.2
27.5°	665.8	665.8	666.4	666.8	666.4	665.8	665.8	664.0	662.6	661.2	659.8
30°	609.4	609.4	609.4	611.1	609.4	609.4	609.4	609.1	609.1	609.4	609.4
32.5°	544.4	543.7	543.0	543.7	543.0	543.7	544.4	544.7	544.4	545.4	547.2
35°	470.7	470.4	471.4	470.0	471.4	470.4	470.7	470.7	472.0	473.5	473.8
37.5°	400.2	399.5	400.8	399.5	400.8	399.5	400.2	399.8	399.5	400.2	399.0
40°	333.0	333.7	333.7	336.5	333.7	333.7	333.0	332.3	330.0	328.5	327.2
42.5°	268.8	270.8	270.1	272.2	270.1	270.8	268.8	267.3	264.6	262.1	260.0
45°	207.9	209.2	209.2	209.9	209.2	209.2	207.9	206.4	204.1	201.9	200.6
47.5°	159.5	159.5	159.5	159.9	159.5	159.5	159.5	157.2	156.5	155.0	153.3
50°	121.3	121.7	122.1	122.4	122.1	121.7	121.3	120.6	120.3	119.6	119.2
52.5°	93.1	93.5	92.8	93.5	92.8	93.5	93.1	93.5	92.5	92.5	92.1
55°	70.5	70.2	70.5	70.9	70.5	70.2	70.5	70.5	70.2	70.2	70.2
57.5°	51.8	51.1	51.1	51.1	51.1	51.1	51.8	51.4	52.5	51.8	52.1
60°	38.6	38.9	38.9	39.3	38.9	38.9	38.6	39.3	39.3	39.6	39.6
62.5°	28.5	29.6	28.8	29.6	28.8	29.6	28.5	28.8	28.8	29.2	29.6
65°	18.4	18.4	18.4	18.8	18.4	18.4	18.4	18.8	19.1	18.8	19.8
67.5°	12.5	12.8	13.6	13.2	13.6	12.8	12.5	12.8	12.8	14.0	13.6
70°	10.1	9.0	9.0	10.1	9.0	9.0	10.1	9.3	9.0	9.7	9.3
72.5°	6.0	5.2	6.0	6.0	6.0	5.2	6.0	5.2	5.5	5.5	6.3
75°	3.2	2.8	2.5	3.5	2.5	2.8	3.2	3.2	3.2	3.2	3.5
77.5°	2.1	1.7	2.5	2.5	2.5	1.7	2.1	1.7	2.1	1.7	2.1
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: P245011

CATALOG NUMBER: LD8B15D010 ER8B15927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	719.2	718.2	718.5	716.5	716.5	715.7	716.2	714.4	713.7	713.0	714.0
5°	729.7	728.0	726.5	723.5	721.7	719.7	718.5	715.7	713.4	711.2	710.9
7.5°	738.0	734.2	731.8	727.6	724.5	722.0	718.5	714.7	711.6	708.9	706.7
10°	741.5	737.7	733.8	728.7	725.2	720.7	717.2	712.4	708.2	704.4	701.9
12.5°	741.8	737.0	733.5	727.6	723.0	718.2	714.4	708.9	703.9	700.1	696.3
15°	738.7	734.2	730.0	723.8	719.2	714.7	710.2	704.4	699.8	695.2	692.6
17.5°	731.8	727.6	722.7	716.8	712.7	708.5	703.6	698.7	693.6	688.6	685.2
20°	722.7	718.2	714.0	708.2	704.7	700.1	695.6	690.4	686.2	681.4	677.6
22.5°	709.2	705.0	701.2	697.7	692.1	688.6	685.6	679.6	675.4	670.9	666.8
25°	689.7	685.6	682.4	678.3	675.8	672.0	668.8	663.6	659.8	655.6	652.2
27.5°	657.7	655.3	653.5	651.2	649.0	647.3	645.5	641.4	638.7	634.8	631.4
30°	609.8	609.4	608.4	607.3	608.7	608.7	608.7	608.1	605.6	602.8	600.4
32.5°	548.2	548.9	550.4	551.4	554.2	557.2	560.0	561.4	561.4	559.7	558.7
35°	474.9	475.9	478.0	480.8	484.3	488.0	494.3	495.8	496.8	496.8	495.3
37.5°	398.7	398.4	400.5	402.9	405.0	407.8	412.3	413.3	415.1	414.3	413.0
40°	324.7	323.0	322.2	323.0	325.3	324.3	325.3	324.7	324.7	322.2	322.2
42.5°	256.2	254.1	252.7	251.7	251.7	249.3	247.5	245.8	244.7	243.0	242.7
45°	197.4	195.0	193.3	192.6	191.6	188.4	186.3	184.3	181.8	181.1	181.5
47.5°	153.3	150.9	150.2	148.4	146.7	145.0	143.5	141.2	140.7	139.4	140.7
50°	118.2	117.4	116.4	115.8	114.8	113.3	111.9	110.6	109.8	109.8	110.1
52.5°	91.8	92.1	91.1	90.0	89.3	89.3	87.6	87.3	87.3	85.8	87.3
55°	70.2	69.9	70.2	69.5	69.5	68.5	68.5	67.4	67.4	66.4	67.0
57.5°	51.4	52.1	51.4	51.8	52.5	51.4	51.1	50.1	50.7	50.1	50.4
60°	39.9	39.9	39.9	39.6	39.6	39.3	39.3	38.9	38.9	38.2	38.9
62.5°	29.6	29.9	29.9	29.9	30.3	29.9	29.6	29.9	29.6	29.6	29.9
65°	19.5	19.8	19.8	19.5	20.1	19.5	19.8	20.1	20.5	20.1	20.5
67.5°	13.2	13.2	13.6	14.0	13.6	14.0	14.3	14.0	14.3	15.0	14.3
70°	9.7	10.1	10.1	9.7	9.3	9.7	9.3	10.5	10.5	10.5	11.1
72.5°	6.3	6.3	6.0	6.0	6.0	6.0	6.0	7.0	6.3	6.0	6.6
75°	3.5	3.8	3.8	2.8	3.2	3.8	2.8	3.2	4.2	3.5	4.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.5	2.5	2.5	2.8
80°	1.7	1.3	1.3	1.0	1.3	1.3	1.3	2.1	1.7	1.7	2.1
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: P245011

CATALOG NUMBER: LD8B15D010 ER8B15927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	711.2	711.2	710.9	710.2	708.9	708.9	708.5	707.4	706.7	706.4	706.4
5°	707.7	706.4	705.0	701.2	701.2	700.4	698.4	697.1	696.3	694.6	693.9
7.5°	704.7	700.4	698.1	695.6	692.6	691.1	688.6	687.6	685.2	683.4	682.4
10°	697.1	694.2	691.1	687.3	684.8	682.1	679.3	677.2	674.1	672.3	670.9
12.5°	691.8	687.6	684.8	680.6	676.5	674.1	670.3	667.8	664.6	661.2	659.1
15°	686.9	682.4	678.6	674.1	669.6	666.8	662.3	659.5	655.0	651.5	649.0
17.5°	679.6	675.8	671.6	666.1	661.9	658.5	653.5	650.1	645.9	641.4	639.0
20°	672.0	667.5	663.3	657.7	653.5	649.4	644.5	640.7	635.8	631.7	628.9
22.5°	661.9	656.7	653.2	647.7	642.8	638.2	633.7	629.2	624.7	621.2	618.1
25°	647.3	641.7	637.9	633.4	628.9	625.4	619.9	617.1	612.6	609.4	606.3
27.5°	626.4	622.2	618.8	614.2	610.4	607.7	603.4	600.8	596.9	594.1	591.6
30°	595.8	592.4	589.3	584.8	582.0	579.5	575.7	573.3	570.5	567.3	566.7
32.5°	554.8	552.0	548.9	545.7	543.7	542.4	539.2	537.8	535.1	533.2	531.6
35°	493.0	490.5	488.8	487.4	486.7	487.0	486.3	487.7	488.5	488.0	488.5
37.5°	412.0	410.5	411.3	412.3	415.8	420.3	424.5	430.8	434.9	439.1	442.9
40°	321.5	322.7	325.3	331.7	340.7	350.8	360.1	371.9	383.8	392.2	399.8
42.5°	242.7	245.8	252.7	261.8	275.3	290.2	304.9	322.2	336.5	350.4	360.1
45°	182.5	186.6	195.8	208.2	223.2	240.5	259.0	278.4	295.5	309.7	320.5
47.5°	142.2	146.0	155.0	168.3	186.6	204.8	223.9	244.0	261.8	275.6	285.1
50°	112.3	117.1	125.1	139.0	157.5	176.6	196.4	216.2	232.9	244.7	253.1
52.5°	88.3	92.8	100.5	115.1	133.9	153.0	171.3	190.8	205.4	216.9	222.5
55°	68.5	72.7	80.7	92.8	110.6	129.4	147.7	164.5	178.0	186.3	191.6
57.5°	52.1	55.2	60.9	73.0	89.0	106.4	122.1	138.7	149.2	155.0	158.5
60°	39.6	42.1	47.9	57.4	72.0	87.0	100.1	112.6	120.9	125.9	129.4
62.5°	29.9	32.7	36.9	44.9	55.9	68.2	79.3	88.6	95.6	98.8	101.1
65°	20.5	22.6	25.8	32.0	41.4	50.1	58.7	65.7	70.2	73.7	75.0
67.5°	15.3	16.7	18.4	23.3	29.9	36.9	42.8	47.6	52.5	53.9	56.4
70°	11.5	12.5	14.3	17.8	21.6	26.4	31.3	34.1	37.6	39.9	40.7
72.5°	7.3	7.6	9.3	11.5	14.6	17.8	20.8	23.3	25.4	26.8	27.4
75°	4.2	6.3	6.3	8.3	10.5	11.8	14.0	15.6	16.7	17.8	17.8
77.5°	2.8	3.8	4.2	5.2	6.3	8.0	9.7	10.8	11.8	12.2	12.2
80°	2.5	2.8	2.8	3.8	4.5	6.0	7.0	7.3	8.0	8.3	9.0
82.5°	1.0	1.3	1.7	2.8	3.2	3.2	4.2	4.5	5.2	5.5	5.5
85°	0.3	0.7	0.7	1.0	1.7	2.1	2.5	2.8	3.2	3.2	3.5
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.1	2.1
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: P245011

CATALOG NUMBER: LD8B15D010 ER8B15927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	712.0	712.0	712.0	712.0	712.0	712.0	712.0
2.5°	705.7	706.1	704.7	704.4	703.6	703.9	704.7
5°	692.9	693.2	691.8	690.4	690.4	690.1	690.4
7.5°	680.6	681.1	678.9	678.3	676.8	677.2	677.2
10°	668.5	668.5	665.3	665.0	664.0	663.6	663.6
12.5°	656.7	655.6	653.2	651.8	652.5	650.5	650.5
15°	646.2	644.5	641.4	640.4	638.7	637.9	637.9
17.5°	635.5	634.1	631.4	629.2	627.2	626.7	627.2
20°	625.1	623.7	620.2	618.8	617.1	617.1	616.4
22.5°	614.6	613.2	610.1	609.1	606.6	606.6	606.9
25°	603.8	602.8	599.3	598.6	598.3	596.9	597.6
27.5°	589.3	588.5	585.8	584.8	583.3	583.0	583.6
30°	562.5	561.4	559.4	558.3	555.9	556.2	556.9
32.5°	529.1	527.7	524.9	523.9	521.8	521.1	521.4
35°	487.4	486.3	483.9	483.9	481.8	481.2	481.8
37.5°	444.9	446.1	444.9	446.1	444.9	444.6	444.9
40°	405.0	408.8	409.5	413.3	412.0	414.0	413.7
42.5°	366.8	373.0	375.4	378.6	377.9	379.2	380.4
45°	328.2	333.3	335.8	338.0	338.3	339.0	339.3
47.5°	291.7	295.9	296.2	298.6	298.2	298.2	299.4
50°	257.6	260.3	261.1	262.8	261.4	260.8	261.1
52.5°	226.0	228.7	228.0	228.7	227.0	226.4	226.7
55°	193.6	195.0	195.0	195.0	192.9	192.9	192.9
57.5°	160.6	161.0	160.3	160.6	160.3	158.2	157.8
60°	130.4	130.4	130.0	130.4	129.4	128.2	128.2
62.5°	101.8	102.6	104.0	102.6	101.8	102.6	101.5
65°	76.2	77.5	77.2	77.9	77.5	77.5	76.8
67.5°	57.4	57.7	58.0	58.4	58.4	58.4	58.4
70°	42.1	43.1	42.8	42.8	42.8	42.8	44.9
72.5°	28.1	29.6	29.2	29.9	29.9	30.6	29.9
75°	19.1	20.5	19.8	20.8	20.5	19.8	21.6
77.5°	12.8	13.6	14.0	14.3	14.0	13.6	14.0
80°	9.0	9.7	9.3	9.7	9.7	9.7	10.1
82.5°	5.5	6.6	6.3	6.6	6.3	6.6	6.6
85°	3.8	4.2	3.5	4.2	3.8	3.8	4.5
87.5°	2.5	2.1	2.1	2.5	2.1	2.5	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)