

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: P246025

Luminaire Tested: **LD8B15D010 ER8B15930 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246025
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 ER8B15930 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1262.3 lumens
Efficiency: N/A
Efficacy: 87.7 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

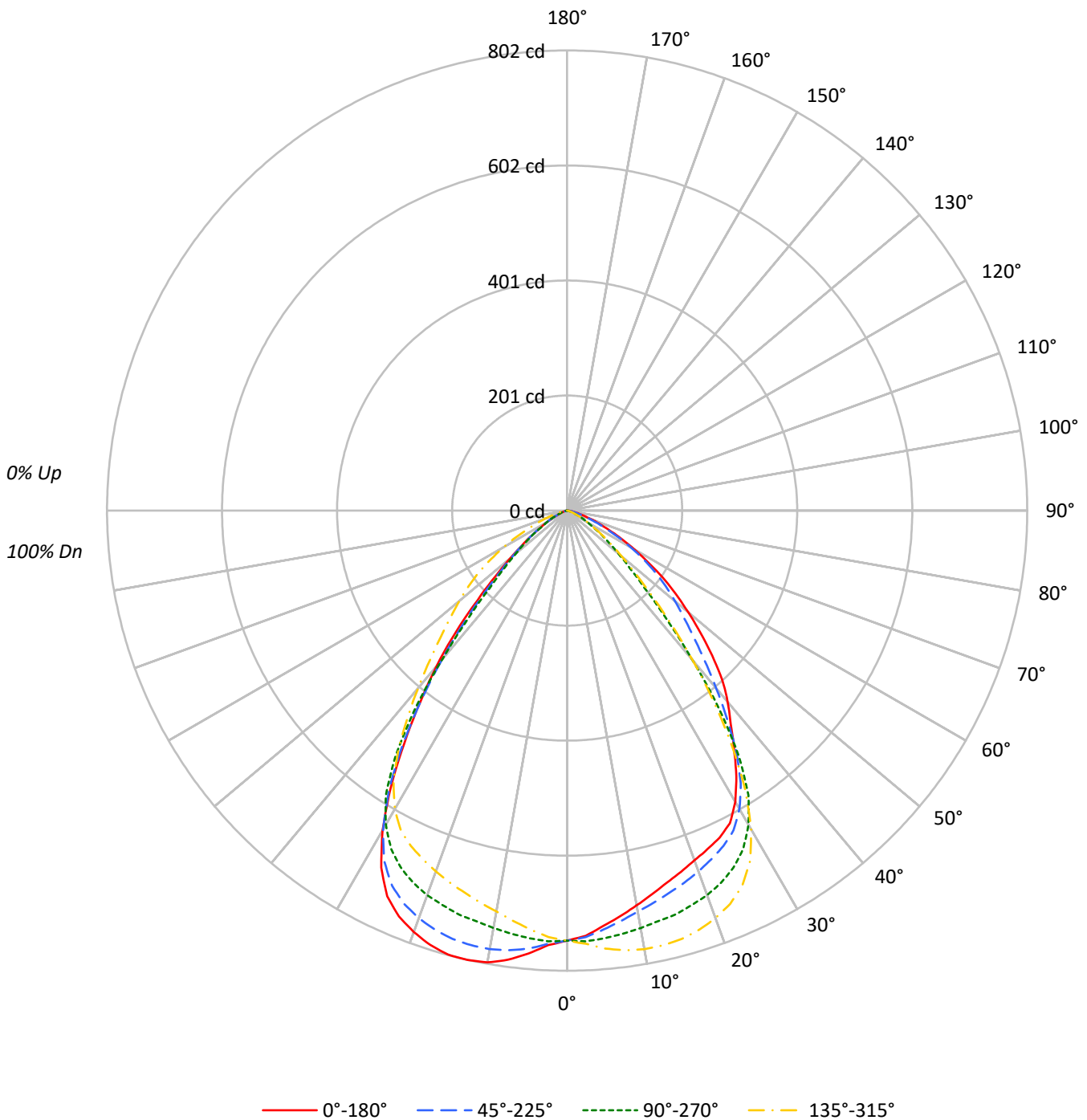
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

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°				



TEST NUMBER: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	5.7
10°-20°	206.5	16.4
20°-30°	312.8	24.8
30°-40°	313.5	24.8
40°-50°	196.8	15.6
50°-60°	104.9	8.3
60°-70°	43.1	3.4
70°-80°	11.4	0.9
80°-90°	1.9	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°	590.6	46.8
0°-40°	904.1	71.6
0°-60°	1205.8	95.5
0°-90°	1262.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	749	749	749	749	749	
5°	727	748	775	748	727	69
15°	671	729	801	729	671	190
25°	629	686	742	686	629	288
35°	507	521	495	521	507	318
45°	357	191	221	191	357	275
55°	203	71	75	71	203	181
65°	81	22	20	22	81	84
75°	23	4	4	4	23	26
85°	5	0	0	0	5	5
90°	0	0	0	0	0	



TEST NUMBER: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	741.7	741.0	740.5	741.3	741.7	743.1	742.8	743.4	743.4	743.9	744.6
5°	726.6	726.3	726.6	726.6	728.1	729.5	729.2	730.3	731.0	732.9	733.6
7.5°	712.7	712.7	712.4	713.9	714.6	716.8	716.4	718.2	719.3	721.1	723.7
10°	698.5	698.5	698.8	700.0	700.3	703.7	703.7	706.2	707.7	709.5	712.7
12.5°	684.6	684.6	686.8	686.1	687.5	690.1	691.2	693.8	695.9	699.6	702.9
15°	671.4	671.4	672.2	673.9	675.1	678.4	680.2	683.1	685.7	689.3	694.1
17.5°	660.0	659.7	660.0	662.3	664.5	667.4	668.9	672.5	675.1	679.9	684.3
20°	648.7	649.5	649.5	651.3	652.8	656.5	657.9	662.0	664.9	669.2	674.4
22.5°	638.9	638.5	638.5	641.1	642.1	645.5	646.9	650.5	653.9	657.5	662.3
25°	629.0	628.2	629.7	630.1	630.8	634.5	635.6	638.1	641.4	644.7	649.5
27.5°	614.3	613.6	614.0	615.4	616.6	619.5	620.2	622.7	625.3	628.2	632.2
30°	586.2	585.4	585.0	587.6	588.7	590.9	592.0	596.4	597.2	600.4	603.3
32.5°	548.8	548.5	549.2	551.4	552.5	555.5	556.9	559.5	561.3	563.1	566.0
35°	507.1	506.4	507.1	509.4	509.4	511.8	513.0	514.1	513.8	514.1	513.3
37.5°	468.4	468.0	468.4	469.5	468.4	469.5	468.4	466.1	462.2	457.7	453.3
40°	435.4	435.7	433.6	435.1	431.0	430.4	426.3	420.8	412.8	404.0	391.6
42.5°	400.3	399.2	397.7	398.4	395.2	392.6	386.1	379.1	368.8	354.2	339.2
45°	357.2	356.7	356.0	355.7	353.5	350.9	345.4	337.3	326.0	311.0	293.0
47.5°	315.0	314.0	314.0	314.3	311.8	311.4	306.9	300.1	290.1	275.5	256.8
50°	274.8	274.4	275.2	276.7	274.8	274.1	271.2	266.3	257.6	245.2	227.6
52.5°	238.5	238.2	238.9	240.8	240.0	240.8	237.9	234.2	228.3	216.2	200.9
55°	203.1	203.1	203.1	205.3	205.3	205.3	203.8	201.7	196.2	187.3	173.1
57.5°	166.1	166.5	168.7	169.0	168.7	169.4	169.0	166.8	163.2	156.9	146.0
60°	135.0	135.0	136.1	137.2	136.9	137.2	137.2	136.1	132.5	127.3	118.6
62.5°	106.8	108.0	107.2	108.0	109.4	108.0	107.2	106.5	103.9	100.7	93.3
65°	80.8	81.6	81.6	81.9	81.3	81.6	80.2	79.0	77.6	73.9	69.2
67.5°	61.4	61.4	61.4	61.4	61.1	60.8	60.4	59.3	56.7	55.3	50.1
70°	47.2	45.0	45.0	45.0	45.0	45.4	44.3	42.8	42.0	39.6	35.9
72.5°	31.5	32.2	31.5	31.5	30.7	31.1	29.6	28.9	28.1	26.7	24.5
75°	22.6	20.9	21.6	22.0	20.9	21.6	20.1	18.6	18.6	17.6	16.5
77.5°	14.7	14.2	14.7	15.0	14.7	14.2	13.6	12.8	12.8	12.4	11.3
80°	10.6	10.2	10.2	10.2	9.9	10.2	9.5	9.5	8.7	8.4	7.7
82.5°	7.0	7.0	6.6	7.0	6.6	7.0	5.8	5.8	5.8	5.5	4.7
85°	4.7	4.0	4.0	4.4	3.7	4.4	4.0	3.7	3.3	3.3	2.9
87.5°	2.2	2.6	2.2	2.6	2.2	2.2	2.6	2.2	2.2	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: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	745.7	746.0	746.0	747.5	748.3	748.6	748.6	751.5	750.5	751.2	752.0
5°	735.0	737.3	738.1	738.1	742.0	743.4	744.9	748.3	748.6	750.8	753.4
7.5°	724.8	727.4	728.9	732.1	734.7	737.3	741.7	743.9	746.0	748.9	752.3
10°	715.0	717.9	720.8	723.4	727.4	730.7	733.6	738.7	741.3	745.4	749.7
12.5°	705.4	709.5	712.1	716.4	720.8	723.7	728.1	732.9	736.9	741.0	746.0
15°	697.0	701.7	704.7	709.5	714.2	718.2	723.0	728.9	731.8	736.6	741.3
17.5°	687.8	693.0	696.7	701.1	706.9	711.3	715.3	721.1	724.8	730.0	735.5
20°	678.4	683.5	687.8	692.3	698.2	702.5	707.2	713.2	717.1	722.3	726.6
22.5°	667.0	671.8	676.5	681.7	687.5	691.2	696.7	701.7	706.2	710.9	715.3
25°	652.4	658.3	662.0	666.7	671.4	675.4	681.3	686.4	690.1	694.5	698.5
27.5°	635.2	639.6	642.6	646.5	651.3	655.0	659.4	664.5	668.1	672.2	675.1
30°	605.9	609.9	612.5	615.4	620.2	623.5	627.2	631.9	634.5	637.4	640.0
32.5°	567.5	570.8	572.3	574.5	577.8	581.0	583.9	588.0	589.1	590.9	590.9
35°	511.8	512.6	512.3	513.0	514.4	516.3	518.8	521.4	522.8	522.8	521.8
37.5°	446.7	442.3	437.6	433.9	432.8	432.1	433.6	434.7	436.2	436.9	435.1
40°	379.1	369.1	358.6	349.1	342.5	339.6	338.4	339.2	339.2	341.8	341.8
42.5°	320.9	305.5	289.8	275.5	266.0	258.7	255.4	255.4	255.8	257.6	258.7
45°	272.6	253.2	234.8	219.2	206.0	196.5	192.1	191.0	190.7	191.4	193.9
47.5°	235.6	215.6	196.5	177.1	163.2	153.7	149.7	148.2	146.7	148.2	148.5
50°	206.7	185.9	165.8	146.4	131.7	123.3	118.2	116.0	115.6	115.6	116.4
52.5°	180.4	161.0	140.9	121.1	105.7	97.8	92.9	91.8	90.4	91.8	91.8
55°	155.5	136.1	116.4	97.8	84.9	76.5	72.1	70.6	69.8	71.0	71.0
57.5°	128.5	112.0	93.7	76.8	64.0	58.2	54.9	53.0	52.7	53.5	52.7
60°	105.4	91.5	75.8	60.4	50.4	44.3	41.7	41.0	40.2	41.0	41.0
62.5°	83.4	71.7	58.9	47.2	38.8	34.4	31.5	31.5	31.1	31.1	31.5
65°	61.9	52.7	43.5	33.6	27.1	23.8	21.6	21.6	21.2	21.6	21.2
67.5°	45.0	38.8	31.5	24.5	19.4	17.6	16.1	15.0	15.7	15.0	14.7
70°	33.0	27.8	22.6	18.6	15.0	13.2	12.1	11.7	11.0	11.0	11.0
72.5°	22.0	18.6	15.4	12.1	9.9	8.1	7.7	7.0	6.2	6.6	7.3
75°	14.7	12.4	11.0	8.7	6.6	6.6	4.4	4.4	3.7	4.4	3.3
77.5°	10.2	8.4	6.6	5.5	4.4	4.0	2.9	2.9	2.6	2.6	2.6
80°	7.3	6.2	4.7	4.0	2.9	2.9	2.6	2.2	1.8	1.8	2.2
82.5°	4.4	3.3	3.3	2.9	1.8	1.5	1.1	1.5	0.8	0.8	0.8
85°	2.6	2.2	1.8	1.1	0.8	0.8	0.3	0.0	0.3	0.3	0.0
87.5°	1.5	0.8	0.8	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.8
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: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	753.8	753.4	754.1	754.1	756.3	755.9	757.0	757.0	756.3	756.7	758.1
5°	756.3	757.5	759.6	761.4	764.7	766.2	768.0	769.9	770.2	771.4	772.4
7.5°	756.3	759.9	762.5	765.9	770.2	772.8	776.7	780.1	781.6	783.4	785.6
10°	754.9	758.5	763.3	766.9	772.4	776.4	780.4	785.6	787.7	790.6	793.7
12.5°	752.0	755.9	761.0	765.9	772.0	775.7	780.8	785.6	788.8	792.9	796.2
15°	747.5	752.3	757.0	761.8	768.3	772.8	777.5	783.0	786.3	790.6	793.7
17.5°	740.5	745.7	750.1	754.4	760.7	765.9	770.2	775.3	778.6	782.3	786.3
20°	732.1	736.9	741.7	745.4	751.5	755.9	760.7	765.4	768.0	768.8	774.9
22.5°	721.6	724.8	728.5	734.4	738.1	742.0	746.5	750.8	753.4	757.5	759.6
25°	704.0	707.2	711.3	713.9	718.2	721.6	726.0	730.7	732.1	735.0	737.3
27.5°	679.4	681.3	683.1	685.3	687.8	689.8	692.3	694.5	695.9	697.4	698.8
30°	640.7	640.7	640.7	639.2	640.3	641.4	641.8	641.4	641.4	641.1	641.1
32.5°	589.4	586.5	583.3	580.3	579.2	577.8	577.0	576.0	574.1	572.9	573.4
35°	520.3	513.8	509.7	506.0	503.1	500.9	499.9	498.7	498.4	496.9	495.4
37.5°	433.9	429.2	426.3	424.1	421.5	419.4	419.7	420.0	421.2	420.4	420.8
40°	342.5	341.3	342.5	339.9	339.2	339.9	341.8	344.4	345.8	347.3	349.8
42.5°	260.5	262.3	264.9	264.9	266.0	267.5	269.7	273.7	275.9	278.5	281.4
45°	196.2	198.3	201.7	202.7	203.5	205.3	207.8	211.1	212.5	214.8	217.4
47.5°	151.1	152.6	154.4	156.3	158.1	158.8	161.3	161.3	163.2	164.7	165.3
50°	117.8	119.3	120.7	121.9	122.5	123.6	124.4	125.6	125.9	126.6	127.0
52.5°	92.1	94.1	94.1	94.7	95.8	97.0	96.6	97.0	97.3	97.3	98.4
55°	72.1	72.1	73.2	73.2	73.9	73.5	73.9	73.9	73.9	73.9	74.3
57.5°	53.8	54.1	55.3	54.5	54.1	54.9	54.1	54.9	54.5	55.3	54.1
60°	41.4	41.4	41.7	41.7	42.0	42.0	42.0	41.7	41.7	41.4	41.4
62.5°	31.1	31.5	31.8	31.5	31.5	31.5	31.1	31.1	30.7	30.4	30.4
65°	20.9	20.5	21.2	20.5	20.9	20.9	20.5	20.9	19.7	20.1	19.7
67.5°	15.0	14.7	14.2	14.7	14.2	13.9	13.9	14.2	14.7	13.6	13.6
70°	9.9	10.2	9.9	10.2	10.6	10.6	10.2	9.9	10.2	9.5	9.9
72.5°	6.2	6.2	6.2	6.2	6.2	6.6	6.6	6.6	5.8	5.8	5.5
75°	2.9	4.0	3.3	2.9	4.0	4.0	3.7	3.7	3.3	3.3	3.3
77.5°	2.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.8	2.2	1.8
80°	1.5	1.5	1.5	1.1	1.5	1.5	1.8	1.5	1.5	1.1	1.8
82.5°	0.8	0.8	0.8	0.0	0.3	0.8	0.8	0.3	0.8	0.8	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: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	757.8	757.5	757.8	758.1	757.8	757.5	757.8	758.1	756.7	756.3	757.0
5°	773.8	773.8	774.6	774.9	774.6	773.8	773.8	772.4	771.4	770.2	769.9
7.5°	787.7	788.5	789.2	789.6	789.2	788.5	787.7	785.6	783.4	781.6	780.1
10°	796.2	797.3	798.7	799.5	798.7	797.3	796.2	793.7	790.6	787.7	785.6
12.5°	799.8	801.0	802.7	802.4	802.7	801.0	799.8	796.2	792.9	788.8	785.6
15°	797.3	798.7	800.6	801.3	800.6	798.7	797.3	793.7	790.6	786.3	783.0
17.5°	789.2	791.4	792.5	793.7	792.5	791.4	789.2	786.3	782.3	778.6	775.3
20°	778.3	779.8	781.2	781.6	781.2	779.8	778.3	774.9	768.8	768.0	765.4
22.5°	762.5	763.6	766.9	765.9	766.9	763.6	762.5	759.6	757.5	753.4	750.8
25°	739.9	741.0	741.3	741.7	741.3	741.0	739.9	737.3	735.0	732.1	730.7
27.5°	700.7	700.7	701.4	701.7	701.4	700.7	700.7	698.8	697.4	695.9	694.5
30°	641.4	641.4	641.4	643.2	641.4	641.4	641.4	641.1	641.1	641.4	641.4
32.5°	572.9	572.3	571.5	572.3	571.5	572.3	572.9	573.4	572.9	574.1	576.0
35°	495.4	495.0	496.2	494.7	496.2	495.0	495.4	495.4	496.9	498.4	498.7
37.5°	421.2	420.4	421.8	420.4	421.8	420.4	421.2	420.8	420.4	421.2	420.0
40°	350.5	351.2	351.2	354.2	351.2	351.2	350.5	349.8	347.3	345.8	344.4
42.5°	282.8	285.1	284.3	286.5	284.3	285.1	282.8	281.4	278.5	275.9	273.7
45°	218.8	220.3	220.3	220.9	220.3	220.3	218.8	217.4	214.8	212.5	211.1
47.5°	167.9	167.9	167.9	168.3	167.9	167.9	167.9	165.3	164.7	163.2	161.3
50°	127.7	128.0	128.5	128.8	128.5	128.0	127.7	127.0	126.6	125.9	125.6
52.5°	98.1	98.4	97.8	98.4	97.8	98.4	98.1	98.4	97.3	97.3	97.0
55°	74.3	73.9	74.3	74.7	74.3	73.9	74.3	74.3	73.9	73.9	73.9
57.5°	54.5	53.8	53.8	53.8	53.8	53.8	54.5	54.1	55.3	54.5	54.9
60°	40.6	41.0	41.0	41.4	41.0	41.0	40.6	41.4	41.4	41.7	41.7
62.5°	30.0	31.1	30.4	31.1	30.4	31.1	30.0	30.4	30.4	30.7	31.1
65°	19.4	19.4	19.4	19.7	19.4	19.4	19.4	19.7	20.1	19.7	20.9
67.5°	13.2	13.6	14.2	13.9	14.2	13.6	13.2	13.6	13.6	14.7	14.2
70°	10.6	9.5	9.5	10.6	9.5	9.5	10.6	9.9	9.5	10.2	9.9
72.5°	6.2	5.5	6.2	6.2	6.2	5.5	6.2	5.5	5.8	5.8	6.6
75°	3.3	2.9	2.6	3.7	2.6	2.9	3.3	3.3	3.3	3.3	3.7
77.5°	2.2	1.8	2.6	2.6	2.6	1.8	2.2	1.8	2.2	1.8	2.2
80°	1.1	1.5	1.1	1.8	1.1	1.5	1.1	1.8	1.1	1.5	1.5
82.5°	0.3	0.8	0.8	0.8	0.8	0.8	0.3	0.3	0.8	0.8	0.3
85°	0.0	0.8	0.3	0.3	0.3	0.8	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: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	757.0	755.9	756.3	754.1	754.1	753.4	753.8	752.0	751.2	750.5	751.5
5°	768.0	766.2	764.7	761.4	759.6	757.5	756.3	753.4	750.8	748.6	748.3
7.5°	776.7	772.8	770.2	765.9	762.5	759.9	756.3	752.3	748.9	746.0	743.9
10°	780.4	776.4	772.4	766.9	763.3	758.5	754.9	749.7	745.4	741.3	738.7
12.5°	780.8	775.7	772.0	765.9	761.0	755.9	752.0	746.0	741.0	736.9	732.9
15°	777.5	772.8	768.3	761.8	757.0	752.3	747.5	741.3	736.6	731.8	728.9
17.5°	770.2	765.9	760.7	754.4	750.1	745.7	740.5	735.5	730.0	724.8	721.1
20°	760.7	755.9	751.5	745.4	741.7	736.9	732.1	726.6	722.3	717.1	713.2
22.5°	746.5	742.0	738.1	734.4	728.5	724.8	721.6	715.3	710.9	706.2	701.7
25°	726.0	721.6	718.2	713.9	711.3	707.2	704.0	698.5	694.5	690.1	686.4
27.5°	692.3	689.8	687.8	685.3	683.1	681.3	679.4	675.1	672.2	668.1	664.5
30°	641.8	641.4	640.3	639.2	640.7	640.7	640.7	640.0	637.4	634.5	631.9
32.5°	577.0	577.8	579.2	580.3	583.3	586.5	589.4	590.9	590.9	589.1	588.0
35°	499.9	500.9	503.1	506.0	509.7	513.8	520.3	521.8	522.8	522.8	521.4
37.5°	419.7	419.4	421.5	424.1	426.3	429.2	433.9	435.1	436.9	436.2	434.7
40°	341.8	339.9	339.2	339.9	342.5	341.3	342.5	341.8	341.8	339.2	339.2
42.5°	269.7	267.5	266.0	264.9	264.9	262.3	260.5	258.7	257.6	255.8	255.4
45°	207.8	205.3	203.5	202.7	201.7	198.3	196.2	193.9	191.4	190.7	191.0
47.5°	161.3	158.8	158.1	156.3	154.4	152.6	151.1	148.5	148.2	146.7	148.2
50°	124.4	123.6	122.5	121.9	120.7	119.3	117.8	116.4	115.6	115.6	116.0
52.5°	96.6	97.0	95.8	94.7	94.1	94.1	92.1	91.8	91.8	90.4	91.8
55°	73.9	73.5	73.9	73.2	73.2	72.1	72.1	71.0	71.0	69.8	70.6
57.5°	54.1	54.9	54.1	54.5	55.3	54.1	53.8	52.7	53.5	52.7	53.0
60°	42.0	42.0	42.0	41.7	41.7	41.4	41.4	41.0	41.0	40.2	41.0
62.5°	31.1	31.5	31.5	31.5	31.8	31.5	31.1	31.5	31.1	31.1	31.5
65°	20.5	20.9	20.9	20.5	21.2	20.5	20.9	21.2	21.6	21.2	21.6
67.5°	13.9	13.9	14.2	14.7	14.2	14.7	15.0	14.7	15.0	15.7	15.0
70°	10.2	10.6	10.6	10.2	9.9	10.2	9.9	11.0	11.0	11.0	11.7
72.5°	6.6	6.6	6.2	6.2	6.2	6.2	6.2	7.3	6.6	6.2	7.0
75°	3.7	4.0	4.0	2.9	3.3	4.0	2.9	3.3	4.4	3.7	4.4
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.6	2.6	2.6	2.9
80°	1.8	1.5	1.5	1.1	1.5	1.5	1.5	2.2	1.8	1.8	2.2
82.5°	0.8	0.8	0.3	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
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	0.8	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: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	748.6	748.6	748.3	747.5	746.0	746.0	745.7	744.6	743.9	743.4	743.4
5°	744.9	743.4	742.0	738.1	738.1	737.3	735.0	733.6	732.9	731.0	730.3
7.5°	741.7	737.3	734.7	732.1	728.9	727.4	724.8	723.7	721.1	719.3	718.2
10°	733.6	730.7	727.4	723.4	720.8	717.9	715.0	712.7	709.5	707.7	706.2
12.5°	728.1	723.7	720.8	716.4	712.1	709.5	705.4	702.9	699.6	695.9	693.8
15°	723.0	718.2	714.2	709.5	704.7	701.7	697.0	694.1	689.3	685.7	683.1
17.5°	715.3	711.3	706.9	701.1	696.7	693.0	687.8	684.3	679.9	675.1	672.5
20°	707.2	702.5	698.2	692.3	687.8	683.5	678.4	674.4	669.2	664.9	662.0
22.5°	696.7	691.2	687.5	681.7	676.5	671.8	667.0	662.3	657.5	653.9	650.5
25°	681.3	675.4	671.4	666.7	662.0	658.3	652.4	649.5	644.7	641.4	638.1
27.5°	659.4	655.0	651.3	646.5	642.6	639.6	635.2	632.2	628.2	625.3	622.7
30°	627.2	623.5	620.2	615.4	612.5	609.9	605.9	603.3	600.4	597.2	596.4
32.5°	583.9	581.0	577.8	574.5	572.3	570.8	567.5	566.0	563.1	561.3	559.5
35°	518.8	516.3	514.4	513.0	512.3	512.6	511.8	513.3	514.1	513.8	514.1
37.5°	433.6	432.1	432.8	433.9	437.6	442.3	446.7	453.3	457.7	462.2	466.1
40°	338.4	339.6	342.5	349.1	358.6	369.1	379.1	391.6	404.0	412.8	420.8
42.5°	255.4	258.7	266.0	275.5	289.8	305.5	320.9	339.2	354.2	368.8	379.1
45°	192.1	196.5	206.0	219.2	234.8	253.2	272.6	293.0	311.0	326.0	337.3
47.5°	149.7	153.7	163.2	177.1	196.5	215.6	235.6	256.8	275.5	290.1	300.1
50°	118.2	123.3	131.7	146.4	165.8	185.9	206.7	227.6	245.2	257.6	266.3
52.5°	92.9	97.8	105.7	121.1	140.9	161.0	180.4	200.9	216.2	228.3	234.2
55°	72.1	76.5	84.9	97.8	116.4	136.1	155.5	173.1	187.3	196.2	201.7
57.5°	54.9	58.2	64.0	76.8	93.7	112.0	128.5	146.0	156.9	163.2	166.8
60°	41.7	44.3	50.4	60.4	75.8	91.5	105.4	118.6	127.3	132.5	136.1
62.5°	31.5	34.4	38.8	47.2	58.9	71.7	83.4	93.3	100.7	103.9	106.5
65°	21.6	23.8	27.1	33.6	43.5	52.7	61.9	69.2	73.9	77.6	79.0
67.5°	16.1	17.6	19.4	24.5	31.5	38.8	45.0	50.1	55.3	56.7	59.3
70°	12.1	13.2	15.0	18.6	22.6	27.8	33.0	35.9	39.6	42.0	42.8
72.5°	7.7	8.1	9.9	12.1	15.4	18.6	22.0	24.5	26.7	28.1	28.9
75°	4.4	6.6	6.6	8.7	11.0	12.4	14.7	16.5	17.6	18.6	18.6
77.5°	2.9	4.0	4.4	5.5	6.6	8.4	10.2	11.3	12.4	12.8	12.8
80°	2.6	2.9	2.9	4.0	4.7	6.2	7.3	7.7	8.4	8.7	9.5
82.5°	1.1	1.5	1.8	2.9	3.3	3.3	4.4	4.7	5.5	5.8	5.8
85°	0.3	0.8	0.8	1.1	1.8	2.2	2.6	2.9	3.3	3.3	3.7
87.5°	0.3	0.3	0.0	0.3	0.8	0.8	1.5	1.5	1.5	2.2	2.2
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: P246025

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	749.4	749.4	749.4	749.4	749.4	749.4	749.4
2.5°	742.8	743.1	741.7	741.3	740.5	741.0	741.7
5°	729.2	729.5	728.1	726.6	726.6	726.3	726.6
7.5°	716.4	716.8	714.6	713.9	712.4	712.7	712.7
10°	703.7	703.7	700.3	700.0	698.8	698.5	698.5
12.5°	691.2	690.1	687.5	686.1	686.8	684.6	684.6
15°	680.2	678.4	675.1	673.9	672.2	671.4	671.4
17.5°	668.9	667.4	664.5	662.3	660.0	659.7	660.0
20°	657.9	656.5	652.8	651.3	649.5	649.5	648.7
22.5°	646.9	645.5	642.1	641.1	638.5	638.5	638.9
25°	635.6	634.5	630.8	630.1	629.7	628.2	629.0
27.5°	620.2	619.5	616.6	615.4	614.0	613.6	614.3
30°	592.0	590.9	588.7	587.6	585.0	585.4	586.2
32.5°	556.9	555.5	552.5	551.4	549.2	548.5	548.8
35°	513.0	511.8	509.4	509.4	507.1	506.4	507.1
37.5°	468.4	469.5	468.4	469.5	468.4	468.0	468.4
40°	426.3	430.4	431.0	435.1	433.6	435.7	435.4
42.5°	386.1	392.6	395.2	398.4	397.7	399.2	400.3
45°	345.4	350.9	353.5	355.7	356.0	356.7	357.2
47.5°	306.9	311.4	311.8	314.3	314.0	314.0	315.0
50°	271.2	274.1	274.8	276.7	275.2	274.4	274.8
52.5°	237.9	240.8	240.0	240.8	238.9	238.2	238.5
55°	203.8	205.3	205.3	205.3	203.1	203.1	203.1
57.5°	169.0	169.4	168.7	169.0	168.7	166.5	166.1
60°	137.2	137.2	136.9	137.2	136.1	135.0	135.0
62.5°	107.2	108.0	109.4	108.0	107.2	108.0	106.8
65°	80.2	81.6	81.3	81.9	81.6	81.6	80.8
67.5°	60.4	60.8	61.1	61.4	61.4	61.4	61.4
70°	44.3	45.4	45.0	45.0	45.0	45.0	47.2
72.5°	29.6	31.1	30.7	31.5	31.5	32.2	31.5
75°	20.1	21.6	20.9	22.0	21.6	20.9	22.6
77.5°	13.6	14.2	14.7	15.0	14.7	14.2	14.7
80°	9.5	10.2	9.9	10.2	10.2	10.2	10.6
82.5°	5.8	7.0	6.6	7.0	6.6	7.0	7.0
85°	4.0	4.4	3.7	4.4	4.0	4.0	4.7
87.5°	2.6	2.2	2.2	2.6	2.2	2.6	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)