

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: P245863

Luminaire Tested: **LD8B15D010 ER8B15940 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245863
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 ER8B15940 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1273.0 lumens
Efficiency: N/A
Efficacy: 88.4 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

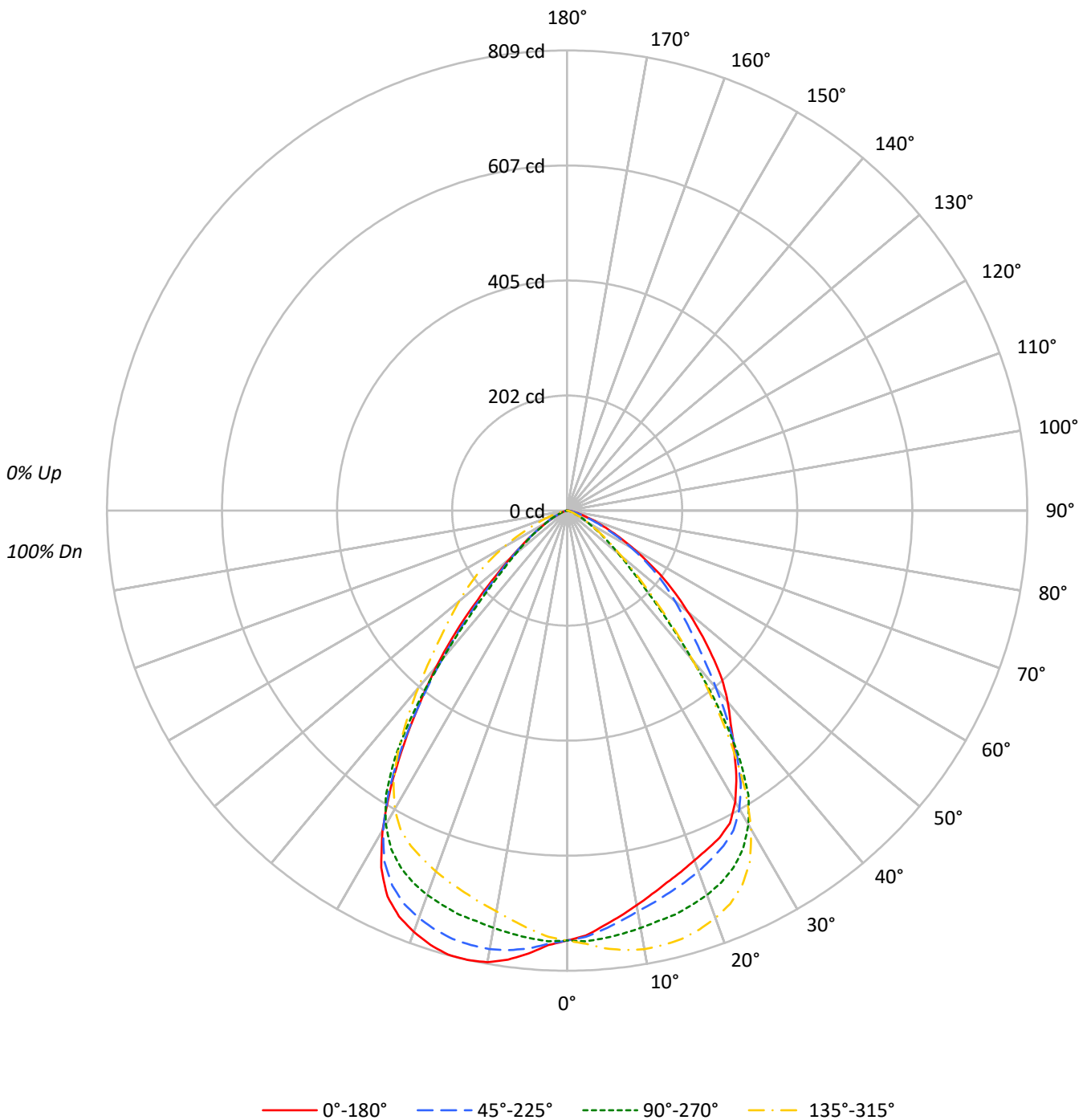
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23303	23303	23303	23303
5°	22686	23358	24194	23358
10°	22056	23327	25247	23327
15°	21616	23467	25798	23467
20°	21471	23601	25865	23601
25°	21581	23555	25450	23555
30°	21051	22692	23098	22692
35°	19255	19793	18781	19793
40°	17676	13771	14379	13771
45°	15708	8399	9720	8399
50°	13293	5613	6232	5613
55°	11010	3828	4048	3828
60°	8400	2547	2572	2547
65°	5947	1591	1452	1591
70°	4292	1064	965	1064
75°	2728	524	441	524
80°	1900	391	320	391
85°	1698	0	142	0



TEST NUMBER: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	5.7
10°-20°	208.3	16.4
20°-30°	315.4	24.8
30°-40°	316.1	24.8
40°-50°	198.5	15.6
50°-60°	105.8	8.3
60°-70°	43.5	3.4
70°-80°	11.5	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°	595.6	46.8
0°-40°	911.8	71.6
0°-60°	1216.1	95.5
0°-90°	1273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1273.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	756	756	756	756	756	
5°	733	755	782	755	733	69
15°	677	735	808	735	677	192
25°	634	692	748	692	634	291
35°	512	526	499	526	512	320
45°	360	193	223	193	360	277
55°	205	71	75	71	205	183
65°	82	22	20	22	82	85
75°	23	4	4	4	23	26
85°	5	0	0	0	5	5
90°	0	0	0	0	0	



TEST NUMBER: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	748.0	747.2	746.9	747.6	748.0	749.5	749.1	749.8	749.8	750.2	750.9
5°	732.9	732.5	732.9	732.9	734.3	735.8	735.4	736.6	737.3	739.1	739.9
7.5°	718.8	718.8	718.5	719.9	720.7	722.9	722.5	724.4	725.5	727.3	729.9
10°	704.4	704.4	704.8	705.9	706.3	709.6	709.6	712.2	713.7	715.5	718.8
12.5°	690.4	690.4	692.6	691.9	693.4	696.0	697.1	699.6	701.9	705.6	708.9
15°	677.1	677.1	677.9	679.7	680.8	684.2	686.0	689.0	691.5	695.2	700.0
17.5°	665.7	665.3	665.7	667.9	670.1	673.1	674.6	678.2	680.8	685.6	690.1
20°	654.3	655.0	655.0	656.8	658.3	662.0	663.5	667.6	670.5	674.9	680.1
22.5°	644.3	643.9	643.9	646.5	647.6	650.9	652.4	656.1	659.4	663.1	667.9
25°	634.3	633.6	635.1	635.4	636.2	639.9	641.0	643.6	646.9	650.2	655.0
27.5°	619.6	618.8	619.2	620.7	621.8	624.7	625.5	628.1	630.6	633.6	637.7
30°	591.2	590.4	590.1	592.6	593.7	596.0	597.1	601.5	602.2	605.6	608.5
32.5°	553.5	553.2	553.9	556.1	557.2	560.2	561.6	564.2	566.1	567.9	570.9
35°	511.5	510.7	511.5	513.7	513.7	516.3	517.4	518.5	518.1	518.5	517.7
37.5°	472.3	472.0	472.3	473.4	472.3	473.4	472.3	470.1	466.1	461.6	457.2
40°	439.1	439.5	437.3	438.8	434.7	434.0	429.9	424.4	416.3	407.4	394.9
42.5°	403.7	402.6	401.1	401.9	398.5	395.9	389.3	382.3	372.0	357.2	342.1
45°	360.2	359.8	359.1	358.7	356.5	353.9	348.3	340.2	328.8	313.7	295.6
47.5°	317.7	316.6	316.6	317.0	314.4	314.0	309.6	302.6	292.6	277.9	259.0
50°	277.1	276.8	277.5	279.0	277.1	276.4	273.4	268.6	259.8	247.2	229.5
52.5°	240.6	240.2	241.0	242.8	242.1	242.8	239.9	236.2	230.3	218.1	202.6
55°	204.8	204.8	204.8	207.0	207.0	207.0	205.5	203.3	197.8	188.9	174.6
57.5°	167.5	167.9	170.1	170.5	170.1	170.9	170.5	168.3	164.6	158.3	147.2
60°	136.2	136.2	137.3	138.4	138.0	138.4	138.4	137.3	133.6	128.4	119.6
62.5°	107.8	108.9	108.1	108.9	110.3	108.9	108.1	107.4	104.8	101.5	94.1
65°	81.5	82.3	82.3	82.7	81.9	82.3	80.8	79.7	78.2	74.5	69.7
67.5°	62.0	62.0	62.0	62.0	61.6	61.3	60.9	59.8	57.2	55.7	50.5
70°	47.6	45.4	45.4	45.4	45.4	45.8	44.7	43.2	42.4	39.9	36.2
72.5°	31.7	32.5	31.7	31.7	31.0	31.4	29.9	29.1	28.4	26.9	24.7
75°	22.9	21.0	21.8	22.1	21.0	21.8	20.3	18.8	18.8	17.7	16.6
77.5°	14.8	14.4	14.8	15.1	14.8	14.4	13.7	12.9	12.9	12.5	11.4
80°	10.7	10.3	10.3	10.3	10.0	10.3	9.6	9.6	8.9	8.5	7.7
82.5°	7.0	7.0	6.6	7.0	6.6	7.0	5.9	5.9	5.9	5.5	4.8
85°	4.8	4.1	4.1	4.4	3.7	4.4	4.1	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: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	752.0	752.4	752.4	753.9	754.6	755.0	755.0	758.0	756.8	757.6	758.3
5°	741.4	743.6	744.3	744.3	748.4	749.8	751.3	754.6	755.0	757.2	759.8
7.5°	731.0	733.6	735.1	738.4	741.0	743.6	748.0	750.2	752.4	755.4	758.7
10°	721.0	724.0	727.0	729.5	733.6	736.9	739.9	745.0	747.6	751.7	756.1
12.5°	711.5	715.5	718.1	722.5	727.0	729.9	734.3	739.1	743.2	747.2	752.4
15°	703.0	707.8	710.7	715.5	720.3	724.4	729.2	735.1	738.0	742.8	747.6
17.5°	693.7	698.9	702.6	707.0	712.9	717.4	721.4	727.3	731.0	736.2	741.7
20°	684.2	689.3	693.7	698.2	704.1	708.5	713.3	719.2	723.3	728.4	732.9
22.5°	672.7	677.5	682.3	687.5	693.4	697.1	702.6	707.8	712.2	717.0	721.4
25°	658.0	663.9	667.6	672.3	677.1	681.2	687.1	692.3	696.0	700.4	704.4
27.5°	640.6	645.0	648.0	652.0	656.8	660.5	665.0	670.1	673.8	677.9	680.8
30°	611.1	615.2	617.7	620.7	625.5	628.8	632.5	637.3	639.9	642.8	645.4
32.5°	572.3	575.7	577.1	579.4	582.7	586.0	589.0	593.0	594.1	596.0	596.0
35°	516.3	517.0	516.6	517.4	518.8	520.7	523.3	525.8	527.3	527.3	526.2
37.5°	450.6	446.1	441.3	437.7	436.5	435.8	437.3	438.4	439.9	440.6	438.8
40°	382.3	372.3	361.6	352.0	345.4	342.4	341.3	342.1	342.1	344.7	344.7
42.5°	323.6	308.1	292.3	277.9	268.3	260.9	257.6	257.6	257.9	259.8	260.9
45°	274.9	255.4	236.9	221.0	207.8	198.2	193.7	192.6	192.3	193.0	195.6
47.5°	237.6	217.4	198.2	178.6	164.6	155.0	150.9	149.4	148.0	149.4	149.8
50°	208.5	187.5	167.2	147.6	132.8	124.4	119.2	117.0	116.6	116.6	117.3
52.5°	181.9	162.4	142.1	122.1	106.6	98.5	93.7	92.6	91.1	92.6	92.6
55°	156.8	137.3	117.3	98.5	85.6	77.1	72.7	71.2	70.5	71.6	71.6
57.5°	129.5	112.9	94.5	77.5	64.6	58.7	55.3	53.5	53.1	53.9	53.1
60°	106.3	92.3	76.4	60.9	50.9	44.7	42.1	41.3	40.6	41.3	41.3
62.5°	84.1	72.3	59.4	47.6	39.1	34.7	31.7	31.7	31.4	31.4	31.7
65°	62.4	53.1	43.9	33.9	27.3	24.0	21.8	21.8	21.4	21.8	21.4
67.5°	45.4	39.1	31.7	24.7	19.6	17.7	16.2	15.1	15.9	15.1	14.8
70°	33.2	28.0	22.9	18.8	15.1	13.3	12.2	11.8	11.1	11.1	11.1
72.5°	22.1	18.8	15.5	12.2	10.0	8.1	7.7	7.0	6.3	6.6	7.4
75°	14.8	12.5	11.1	8.9	6.6	6.6	4.4	4.4	3.7	4.4	3.3
77.5°	10.3	8.5	6.6	5.5	4.4	4.1	2.9	2.9	2.6	2.6	2.6
80°	7.4	6.3	4.8	4.1	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	0.7	0.7	0.7
85°	2.6	2.2	1.8	1.1	0.7	0.7	0.4	0.0	0.4	0.4	0.0
87.5°	1.5	0.7	0.7	0.4	0.0	0.4	0.4	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



TEST NUMBER: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	760.2	759.8	760.5	760.5	762.8	762.4	763.5	763.5	762.8	763.1	764.6
5°	762.8	763.9	766.1	767.9	771.2	772.7	774.6	776.4	776.8	777.9	779.0
7.5°	762.8	766.4	769.0	772.3	776.8	779.4	783.4	786.7	788.2	790.1	792.3
10°	761.3	765.0	769.8	773.5	779.0	783.0	787.1	792.3	794.5	797.4	800.4
12.5°	758.3	762.4	767.5	772.3	778.6	782.3	787.5	792.3	795.6	799.7	803.0
15°	753.9	758.7	763.5	768.3	774.9	779.4	784.2	789.7	793.0	797.4	800.4
17.5°	746.9	752.0	756.5	760.9	767.2	772.3	776.8	781.9	785.3	789.0	793.0
20°	738.4	743.2	748.0	751.7	758.0	762.4	767.2	772.0	774.6	775.3	781.6
22.5°	727.7	731.0	734.7	740.6	744.3	748.4	752.8	757.2	759.8	763.9	766.1
25°	710.0	713.3	717.4	719.9	724.4	727.7	732.1	736.9	738.4	741.4	743.6
27.5°	685.3	687.1	689.0	691.2	693.7	695.6	698.2	700.4	701.9	703.3	704.8
30°	646.1	646.1	646.1	644.7	645.8	646.9	647.2	646.9	646.9	646.5	646.5
32.5°	594.5	591.5	588.2	585.3	584.2	582.7	581.9	580.8	579.0	577.9	578.2
35°	524.7	518.1	514.0	510.3	507.4	505.2	504.1	503.0	502.6	501.1	499.6
37.5°	437.7	432.9	429.9	427.7	425.1	422.9	423.3	423.6	424.7	424.0	424.4
40°	345.4	344.3	345.4	342.8	342.1	342.8	344.7	347.2	348.7	350.2	352.8
42.5°	262.7	264.6	267.2	267.2	268.3	269.8	272.0	276.0	278.2	280.8	283.8
45°	197.8	200.0	203.3	204.4	205.2	207.0	209.6	212.9	214.4	216.6	219.2
47.5°	152.4	153.9	155.7	157.6	159.4	160.2	162.7	162.7	164.6	166.1	166.8
50°	118.8	120.3	121.8	122.9	123.6	124.7	125.5	126.6	126.9	127.7	128.0
52.5°	93.0	94.8	94.8	95.6	96.7	97.8	97.4	97.8	98.2	98.2	99.3
55°	72.7	72.7	73.8	73.8	74.5	74.2	74.5	74.5	74.5	74.5	74.9
57.5°	54.2	54.6	55.7	55.0	54.6	55.3	54.6	55.3	55.0	55.7	54.6
60°	41.7	41.7	42.1	42.1	42.4	42.4	42.4	42.1	42.1	41.7	41.7
62.5°	31.4	31.7	32.1	31.7	31.7	31.7	31.4	31.4	31.0	30.6	30.6
65°	21.0	20.7	21.4	20.7	21.0	21.0	20.7	21.0	19.9	20.3	19.9
67.5°	15.1	14.8	14.4	14.8	14.4	14.0	14.0	14.4	14.8	13.7	13.7
70°	10.0	10.3	10.0	10.3	10.7	10.7	10.3	10.0	10.3	9.6	10.0
72.5°	6.3	6.3	6.3	6.3	6.3	6.6	6.6	6.6	5.9	5.9	5.5
75°	2.9	4.1	3.3	2.9	4.1	4.1	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°	0.7	0.7	0.7	0.0	0.4	0.7	0.7	0.4	0.7	0.7	0.4
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: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	764.2	763.9	764.2	764.6	764.2	763.9	764.2	764.6	763.1	762.8	763.5
5°	780.5	780.5	781.2	781.6	781.2	780.5	780.5	779.0	777.9	776.8	776.4
7.5°	794.5	795.2	796.0	796.3	796.0	795.2	794.5	792.3	790.1	788.2	786.7
10°	803.0	804.1	805.6	806.3	805.6	804.1	803.0	800.4	797.4	794.5	792.3
12.5°	806.7	807.8	809.6	809.3	809.6	807.8	806.7	803.0	799.7	795.6	792.3
15°	804.1	805.6	807.4	808.1	807.4	805.6	804.1	800.4	797.4	793.0	789.7
17.5°	796.0	798.2	799.3	800.4	799.3	798.2	796.0	793.0	789.0	785.3	781.9
20°	784.9	786.4	787.8	788.2	787.8	786.4	784.9	781.6	775.3	774.6	772.0
22.5°	769.0	770.1	773.5	772.3	773.5	770.1	769.0	766.1	763.9	759.8	757.2
25°	746.1	747.2	747.6	748.0	747.6	747.2	746.1	743.6	741.4	738.4	736.9
27.5°	706.7	706.7	707.4	707.8	707.4	706.7	706.7	704.8	703.3	701.9	700.4
30°	646.9	646.9	646.9	648.7	646.9	646.9	646.9	646.5	646.5	646.9	646.9
32.5°	577.9	577.1	576.4	577.1	576.4	577.1	577.9	578.2	577.9	579.0	580.8
35°	499.6	499.3	500.4	498.9	500.4	499.3	499.6	499.6	501.1	502.6	503.0
37.5°	424.7	424.0	425.5	424.0	425.5	424.0	424.7	424.4	424.0	424.7	423.6
40°	353.5	354.3	354.3	357.2	354.3	354.3	353.5	352.8	350.2	348.7	347.2
42.5°	285.2	287.5	286.7	288.9	286.7	287.5	285.2	283.8	280.8	278.2	276.0
45°	220.7	222.2	222.2	222.9	222.2	222.2	220.7	219.2	216.6	214.4	212.9
47.5°	169.4	169.4	169.4	169.8	169.4	169.4	169.4	166.8	166.1	164.6	162.7
50°	128.8	129.2	129.5	129.9	129.5	129.2	128.8	128.0	127.7	126.9	126.6
52.5°	98.9	99.3	98.5	99.3	98.5	99.3	98.9	99.3	98.2	98.2	97.8
55°	74.9	74.5	74.9	75.3	74.9	74.5	74.9	74.9	74.5	74.5	74.5
57.5°	55.0	54.2	54.2	54.2	54.2	54.2	55.0	54.6	55.7	55.0	55.3
60°	41.0	41.3	41.3	41.7	41.3	41.3	41.0	41.7	41.7	42.1	42.1
62.5°	30.3	31.4	30.6	31.4	30.6	31.4	30.3	30.6	30.6	31.0	31.4
65°	19.6	19.6	19.6	19.9	19.6	19.6	19.6	19.9	20.3	19.9	21.0
67.5°	13.3	13.7	14.4	14.0	14.4	13.7	13.3	13.7	13.7	14.8	14.4
70°	10.7	9.6	9.6	10.7	9.6	9.6	10.7	10.0	9.6	10.3	10.0
72.5°	6.3	5.5	6.3	6.3	6.3	5.5	6.3	5.5	5.9	5.9	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°	0.4	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.7	0.7	0.4
85°	0.0	0.7	0.4	0.4	0.4	0.7	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	763.5	762.4	762.8	760.5	760.5	759.8	760.2	758.3	757.6	756.8	758.0
5°	774.6	772.7	771.2	767.9	766.1	763.9	762.8	759.8	757.2	755.0	754.6
7.5°	783.4	779.4	776.8	772.3	769.0	766.4	762.8	758.7	755.4	752.4	750.2
10°	787.1	783.0	779.0	773.5	769.8	765.0	761.3	756.1	751.7	747.6	745.0
12.5°	787.5	782.3	778.6	772.3	767.5	762.4	758.3	752.4	747.2	743.2	739.1
15°	784.2	779.4	774.9	768.3	763.5	758.7	753.9	747.6	742.8	738.0	735.1
17.5°	776.8	772.3	767.2	760.9	756.5	752.0	746.9	741.7	736.2	731.0	727.3
20°	767.2	762.4	758.0	751.7	748.0	743.2	738.4	732.9	728.4	723.3	719.2
22.5°	752.8	748.4	744.3	740.6	734.7	731.0	727.7	721.4	717.0	712.2	707.8
25°	732.1	727.7	724.4	719.9	717.4	713.3	710.0	704.4	700.4	696.0	692.3
27.5°	698.2	695.6	693.7	691.2	689.0	687.1	685.3	680.8	677.9	673.8	670.1
30°	647.2	646.9	645.8	644.7	646.1	646.1	646.1	645.4	642.8	639.9	637.3
32.5°	581.9	582.7	584.2	585.3	588.2	591.5	594.5	596.0	596.0	594.1	593.0
35°	504.1	505.2	507.4	510.3	514.0	518.1	524.7	526.2	527.3	527.3	525.8
37.5°	423.3	422.9	425.1	427.7	429.9	432.9	437.7	438.8	440.6	439.9	438.4
40°	344.7	342.8	342.1	342.8	345.4	344.3	345.4	344.7	344.7	342.1	342.1
42.5°	272.0	269.8	268.3	267.2	267.2	264.6	262.7	260.9	259.8	257.9	257.6
45°	209.6	207.0	205.2	204.4	203.3	200.0	197.8	195.6	193.0	192.3	192.6
47.5°	162.7	160.2	159.4	157.6	155.7	153.9	152.4	149.8	149.4	148.0	149.4
50°	125.5	124.7	123.6	122.9	121.8	120.3	118.8	117.3	116.6	116.6	117.0
52.5°	97.4	97.8	96.7	95.6	94.8	94.8	93.0	92.6	92.6	91.1	92.6
55°	74.5	74.2	74.5	73.8	73.8	72.7	72.7	71.6	71.6	70.5	71.2
57.5°	54.6	55.3	54.6	55.0	55.7	54.6	54.2	53.1	53.9	53.1	53.5
60°	42.4	42.4	42.4	42.1	42.1	41.7	41.7	41.3	41.3	40.6	41.3
62.5°	31.4	31.7	31.7	31.7	32.1	31.7	31.4	31.7	31.4	31.4	31.7
65°	20.7	21.0	21.0	20.7	21.4	20.7	21.0	21.4	21.8	21.4	21.8
67.5°	14.0	14.0	14.4	14.8	14.4	14.8	15.1	14.8	15.1	15.9	15.1
70°	10.3	10.7	10.7	10.3	10.0	10.3	10.0	11.1	11.1	11.1	11.8
72.5°	6.6	6.6	6.3	6.3	6.3	6.3	6.3	7.4	6.6	6.3	7.0
75°	3.7	4.1	4.1	2.9	3.3	4.1	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°	0.7	0.7	0.4	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	755.0	755.0	754.6	753.9	752.4	752.4	752.0	750.9	750.2	749.8	749.8
5°	751.3	749.8	748.4	744.3	744.3	743.6	741.4	739.9	739.1	737.3	736.6
7.5°	748.0	743.6	741.0	738.4	735.1	733.6	731.0	729.9	727.3	725.5	724.4
10°	739.9	736.9	733.6	729.5	727.0	724.0	721.0	718.8	715.5	713.7	712.2
12.5°	734.3	729.9	727.0	722.5	718.1	715.5	711.5	708.9	705.6	701.9	699.6
15°	729.2	724.4	720.3	715.5	710.7	707.8	703.0	700.0	695.2	691.5	689.0
17.5°	721.4	717.4	712.9	707.0	702.6	698.9	693.7	690.1	685.6	680.8	678.2
20°	713.3	708.5	704.1	698.2	693.7	689.3	684.2	680.1	674.9	670.5	667.6
22.5°	702.6	697.1	693.4	687.5	682.3	677.5	672.7	667.9	663.1	659.4	656.1
25°	687.1	681.2	677.1	672.3	667.6	663.9	658.0	655.0	650.2	646.9	643.6
27.5°	665.0	660.5	656.8	652.0	648.0	645.0	640.6	637.7	633.6	630.6	628.1
30°	632.5	628.8	625.5	620.7	617.7	615.2	611.1	608.5	605.6	602.2	601.5
32.5°	589.0	586.0	582.7	579.4	577.1	575.7	572.3	570.9	567.9	566.1	564.2
35°	523.3	520.7	518.8	517.4	516.6	517.0	516.3	517.7	518.5	518.1	518.5
37.5°	437.3	435.8	436.5	437.7	441.3	446.1	450.6	457.2	461.6	466.1	470.1
40°	341.3	342.4	345.4	352.0	361.6	372.3	382.3	394.9	407.4	416.3	424.4
42.5°	257.6	260.9	268.3	277.9	292.3	308.1	323.6	342.1	357.2	372.0	382.3
45°	193.7	198.2	207.8	221.0	236.9	255.4	274.9	295.6	313.7	328.8	340.2
47.5°	150.9	155.0	164.6	178.6	198.2	217.4	237.6	259.0	277.9	292.6	302.6
50°	119.2	124.4	132.8	147.6	167.2	187.5	208.5	229.5	247.2	259.8	268.6
52.5°	93.7	98.5	106.6	122.1	142.1	162.4	181.9	202.6	218.1	230.3	236.2
55°	72.7	77.1	85.6	98.5	117.3	137.3	156.8	174.6	188.9	197.8	203.3
57.5°	55.3	58.7	64.6	77.5	94.5	112.9	129.5	147.2	158.3	164.6	168.3
60°	42.1	44.7	50.9	60.9	76.4	92.3	106.3	119.6	128.4	133.6	137.3
62.5°	31.7	34.7	39.1	47.6	59.4	72.3	84.1	94.1	101.5	104.8	107.4
65°	21.8	24.0	27.3	33.9	43.9	53.1	62.4	69.7	74.5	78.2	79.7
67.5°	16.2	17.7	19.6	24.7	31.7	39.1	45.4	50.5	55.7	57.2	59.8
70°	12.2	13.3	15.1	18.8	22.9	28.0	33.2	36.2	39.9	42.4	43.2
72.5°	7.7	8.1	10.0	12.2	15.5	18.8	22.1	24.7	26.9	28.4	29.1
75°	4.4	6.6	6.6	8.9	11.1	12.5	14.8	16.6	17.7	18.8	18.8
77.5°	2.9	4.1	4.4	5.5	6.6	8.5	10.3	11.4	12.5	12.9	12.9
80°	2.6	2.9	2.9	4.1	4.8	6.3	7.4	7.7	8.5	8.9	9.6
82.5°	1.1	1.5	1.8	2.9	3.3	3.3	4.4	4.8	5.5	5.9	5.9
85°	0.4	0.7	0.7	1.1	1.8	2.2	2.6	2.9	3.3	3.3	3.7
87.5°	0.4	0.4	0.0	0.4	0.7	0.7	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: P245863

CATALOG NUMBER: LD8B15D010 ER8B15940 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	755.7	755.7	755.7	755.7	755.7	755.7	755.7
2.5°	749.1	749.5	748.0	747.6	746.9	747.2	748.0
5°	735.4	735.8	734.3	732.9	732.9	732.5	732.9
7.5°	722.5	722.9	720.7	719.9	718.5	718.8	718.8
10°	709.6	709.6	706.3	705.9	704.8	704.4	704.4
12.5°	697.1	696.0	693.4	691.9	692.6	690.4	690.4
15°	686.0	684.2	680.8	679.7	677.9	677.1	677.1
17.5°	674.6	673.1	670.1	667.9	665.7	665.3	665.7
20°	663.5	662.0	658.3	656.8	655.0	655.0	654.3
22.5°	652.4	650.9	647.6	646.5	643.9	643.9	644.3
25°	641.0	639.9	636.2	635.4	635.1	633.6	634.3
27.5°	625.5	624.7	621.8	620.7	619.2	618.8	619.6
30°	597.1	596.0	593.7	592.6	590.1	590.4	591.2
32.5°	561.6	560.2	557.2	556.1	553.9	553.2	553.5
35°	517.4	516.3	513.7	513.7	511.5	510.7	511.5
37.5°	472.3	473.4	472.3	473.4	472.3	472.0	472.3
40°	429.9	434.0	434.7	438.8	437.3	439.5	439.1
42.5°	389.3	395.9	398.5	401.9	401.1	402.6	403.7
45°	348.3	353.9	356.5	358.7	359.1	359.8	360.2
47.5°	309.6	314.0	314.4	317.0	316.6	316.6	317.7
50°	273.4	276.4	277.1	279.0	277.5	276.8	277.1
52.5°	239.9	242.8	242.1	242.8	241.0	240.2	240.6
55°	205.5	207.0	207.0	207.0	204.8	204.8	204.8
57.5°	170.5	170.9	170.1	170.5	170.1	167.9	167.5
60°	138.4	138.4	138.0	138.4	137.3	136.2	136.2
62.5°	108.1	108.9	110.3	108.9	108.1	108.9	107.8
65°	80.8	82.3	81.9	82.7	82.3	82.3	81.5
67.5°	60.9	61.3	61.6	62.0	62.0	62.0	62.0
70°	44.7	45.8	45.4	45.4	45.4	45.4	47.6
72.5°	29.9	31.4	31.0	31.7	31.7	32.5	31.7
75°	20.3	21.8	21.0	22.1	21.8	21.0	22.9
77.5°	13.7	14.4	14.8	15.1	14.8	14.4	14.8
80°	9.6	10.3	10.0	10.3	10.3	10.3	10.7
82.5°	5.9	7.0	6.6	7.0	6.6	7.0	7.0
85°	4.1	4.4	3.7	4.4	4.1	4.1	4.8
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)