

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: P245887

Luminaire Tested: **LD8B15D010 ER8B15827 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245887
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 ER8B15827 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1107.0 lumens
Efficiency: N/A
Efficacy: 76.9 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

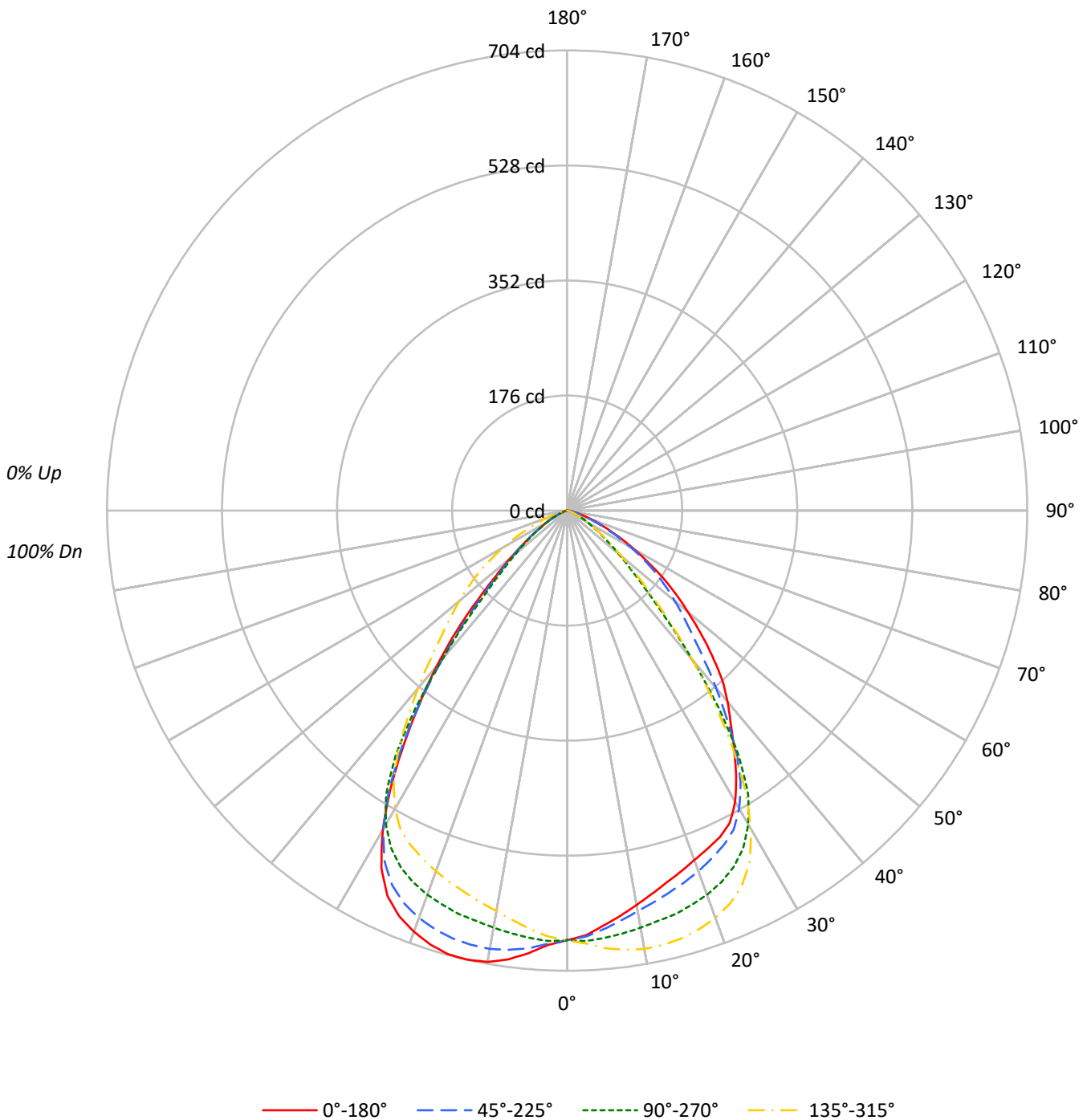
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

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°	20266	20266	20266	20266
5°	19727	20312	21040	20312
10°	19182	20287	21953	20287
15°	18797	20406	22436	20406
20°	18669	20523	22492	20523
25°	18768	20483	22133	20483
30°	18305	19733	20086	19733
35°	16744	17215	16334	17215
40°	15373	11976	12503	11976
45°	13658	7305	8451	7305
50°	11561	4879	5421	4879
55°	9575	3328	3521	3328
60°	7302	2214	2239	2214
65°	5173	1379	1262	1379
70°	3733	929	838	929
75°	2371	465	381	465
80°	1651	337	284	337
85°	1486	0	106	0



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	5.7
10°-20°	181.1	16.4
20°-30°	274.3	24.8
30°-40°	274.9	24.8
40°-50°	172.6	15.6
50°-60°	92.0	8.3
60°-70°	37.8	3.4
70°-80°	10.0	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°	518.0	46.8
0°-40°	792.9	71.6
0°-60°	1057.5	95.5
0°-90°	1107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	657	657	657	657	657	
5°	637	656	680	656	637	60
15°	589	639	703	639	589	167
25°	552	602	650	602	552	253
35°	445	457	434	457	445	279
45°	313	168	194	168	313	241
55°	178	62	66	62	178	159
65°	71	19	17	19	71	74
75°	20	4	3	4	20	23
85°	4	0	0	0	4	5
90°	0	0	0	0	0	



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	650.5	649.8	649.5	650.1	650.5	651.7	651.4	652.1	652.1	652.4	653.0
5°	637.3	637.0	637.3	637.3	638.6	639.9	639.5	640.5	641.1	642.8	643.4
7.5°	625.1	625.1	624.8	626.1	626.7	628.6	628.3	629.9	630.9	632.5	634.7
10°	612.6	612.6	612.9	613.9	614.2	617.1	617.1	619.3	620.6	622.2	625.1
12.5°	600.4	600.4	602.3	601.7	603.0	605.2	606.2	608.4	610.3	613.6	616.4
15°	588.8	588.8	589.5	591.1	592.0	594.9	596.5	599.1	601.4	604.6	608.7
17.5°	578.9	578.6	578.9	580.8	582.7	585.3	586.6	589.8	592.0	596.2	600.1
20°	568.9	569.6	569.6	571.2	572.5	575.7	577.0	580.5	583.1	586.9	591.4
22.5°	560.3	560.0	560.0	562.2	563.2	566.1	567.3	570.5	573.4	576.6	580.8
25°	551.6	551.0	552.3	552.6	553.2	556.4	557.4	559.6	562.5	565.4	569.6
27.5°	538.8	538.1	538.5	539.7	540.7	543.3	543.9	546.2	548.4	551.0	554.5
30°	514.1	513.4	513.1	515.4	516.3	518.2	519.2	523.1	523.7	526.6	529.1
32.5°	481.3	481.0	481.7	483.6	484.5	487.1	488.4	490.6	492.2	493.9	496.4
35°	444.8	444.1	444.8	446.7	446.7	448.9	449.9	450.9	450.5	450.9	450.2
37.5°	410.8	410.4	410.8	411.7	410.8	411.7	410.8	408.8	405.3	401.4	397.6
40°	381.9	382.2	380.3	381.5	378.0	377.4	373.8	369.0	362.0	354.3	343.4
42.5°	351.1	350.1	348.8	349.5	346.6	344.3	338.5	332.5	323.5	310.6	297.5
45°	313.2	312.9	312.2	311.9	310.0	307.7	302.9	295.9	285.9	272.8	257.0
47.5°	276.3	275.3	275.3	275.6	273.4	273.1	269.2	263.1	254.5	241.6	225.3
50°	241.0	240.7	241.3	242.6	241.0	240.4	237.8	233.6	225.9	215.0	199.6
52.5°	209.2	208.9	209.5	211.1	210.5	211.1	208.6	205.4	200.2	189.6	176.2
55°	178.1	178.1	178.1	180.0	180.0	180.0	178.7	176.8	172.0	164.3	151.8
57.5°	145.7	146.0	147.9	148.2	147.9	148.6	148.2	146.3	143.1	137.7	128.0
60°	118.4	118.4	119.4	120.3	120.0	120.3	120.3	119.4	116.2	111.7	104.0
62.5°	93.7	94.7	94.0	94.7	95.9	94.7	94.0	93.4	91.1	88.2	81.8
65°	70.9	71.6	71.6	71.9	71.2	71.6	70.3	69.3	68.0	64.8	60.7
67.5°	53.9	53.9	53.9	53.9	53.6	53.3	53.0	52.0	49.7	48.5	44.0
70°	41.4	39.5	39.5	39.5	39.5	39.8	38.8	37.6	36.9	34.7	31.4
72.5°	27.6	28.2	27.6	27.6	27.0	27.3	26.0	25.3	24.7	23.4	21.5
75°	19.9	18.3	18.9	19.3	18.3	18.9	17.6	16.4	16.4	15.4	14.4
77.5°	12.8	12.5	12.8	13.2	12.8	12.5	11.9	11.2	11.2	10.9	9.9
80°	9.3	9.0	9.0	9.0	8.7	9.0	8.3	8.3	7.7	7.4	6.7
82.5°	6.1	6.1	5.8	6.1	5.8	6.1	5.1	5.1	5.1	4.8	4.2
85°	4.2	3.5	3.5	3.9	3.2	3.9	3.5	3.2	2.9	2.9	2.6
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	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



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	654.0	654.3	654.3	655.6	656.2	656.5	656.5	659.1	658.2	658.8	659.4
5°	644.7	646.6	647.2	647.2	650.8	652.1	653.3	656.2	656.5	658.5	660.7
7.5°	635.7	637.9	639.2	642.1	644.4	646.6	650.5	652.4	654.3	656.9	659.8
10°	627.0	629.6	632.2	634.4	637.9	640.8	643.4	647.9	650.1	653.7	657.5
12.5°	618.7	622.2	624.5	628.3	632.2	634.7	638.6	642.8	646.3	649.8	654.3
15°	611.3	615.5	618.0	622.2	626.4	629.9	634.1	639.2	641.8	646.0	650.1
17.5°	603.3	607.8	611.0	614.8	620.0	623.8	627.4	632.5	635.7	640.2	645.0
20°	594.9	599.4	603.3	607.1	612.3	616.1	620.3	625.4	629.0	633.4	637.3
22.5°	585.0	589.2	593.3	597.8	603.0	606.2	611.0	615.5	619.3	623.5	627.4
25°	572.2	577.3	580.5	584.7	588.8	592.4	597.5	602.0	605.2	609.1	612.6
27.5°	557.1	560.9	563.5	567.0	571.2	574.4	578.2	582.7	586.0	589.5	592.0
30°	531.4	534.9	537.2	539.7	543.9	546.8	550.0	554.2	556.4	559.0	561.2
32.5°	497.7	500.6	501.9	503.8	506.7	509.6	512.2	515.7	516.6	518.2	518.2
35°	448.9	449.6	449.3	449.9	451.2	452.8	455.0	457.3	458.6	458.6	457.6
37.5°	391.8	388.0	383.8	380.6	379.6	379.0	380.3	381.2	382.5	383.1	381.5
40°	332.5	323.8	314.5	306.1	300.4	297.8	296.8	297.5	297.5	299.7	299.7
42.5°	281.4	267.9	254.2	241.6	233.3	226.9	224.0	224.0	224.3	225.9	226.9
45°	239.1	222.1	206.0	192.2	180.7	172.3	168.5	167.5	167.2	167.8	170.1
47.5°	206.7	189.0	172.3	155.3	143.1	134.8	131.3	130.0	128.7	130.0	130.3
50°	181.3	163.0	145.4	128.4	115.5	108.1	103.6	101.7	101.4	101.4	102.0
52.5°	158.2	141.2	123.6	106.2	92.7	85.7	81.5	80.5	79.3	80.5	80.5
55°	136.4	119.4	102.0	85.7	74.4	67.1	63.2	61.9	61.3	62.3	62.3
57.5°	112.6	98.2	82.2	67.4	56.2	51.0	48.1	46.5	46.2	46.8	46.2
60°	92.4	80.2	66.4	53.0	44.3	38.8	36.6	35.9	35.3	35.9	35.9
62.5°	73.2	62.9	51.7	41.4	34.0	30.2	27.6	27.6	27.3	27.3	27.6
65°	54.2	46.2	38.2	29.5	23.7	20.9	18.9	18.9	18.6	18.9	18.6
67.5°	39.5	34.0	27.6	21.5	17.0	15.4	14.1	13.2	13.8	13.2	12.8
70°	28.9	24.4	19.9	16.4	13.2	11.6	10.6	10.3	9.6	9.6	9.6
72.5°	19.3	16.4	13.5	10.6	8.7	7.1	6.7	6.1	5.5	5.8	6.4
75°	12.8	10.9	9.6	7.7	5.8	5.8	3.9	3.9	3.2	3.9	2.9
77.5°	9.0	7.4	5.8	4.8	3.9	3.5	2.6	2.6	2.2	2.2	2.2
80°	6.4	5.5	4.2	3.5	2.6	2.6	2.2	1.9	1.6	1.6	1.9
82.5°	3.9	2.9	2.9	2.6	1.6	1.3	1.0	1.3	0.6	0.6	0.6
85°	2.2	1.9	1.6	1.0	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	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



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	661.0	660.7	661.4	661.4	663.3	663.0	663.9	663.9	663.3	663.6	664.9
5°	663.3	664.3	666.2	667.8	670.7	672.0	673.6	675.2	675.5	676.4	677.4
7.5°	663.3	666.5	668.7	671.6	675.5	677.7	681.3	684.1	685.4	687.0	689.0
10°	662.0	665.2	669.4	672.6	677.4	680.9	684.5	689.0	690.9	693.4	696.0
12.5°	659.4	663.0	667.5	671.6	677.1	680.3	684.8	689.0	691.8	695.4	698.3
15°	655.6	659.8	663.9	668.1	673.9	677.7	681.9	686.7	689.6	693.4	696.0
17.5°	649.5	654.0	657.8	661.7	667.1	671.6	675.5	680.0	682.9	686.1	689.6
20°	642.1	646.3	650.5	653.7	659.1	663.0	667.1	671.3	673.6	674.2	679.7
22.5°	632.8	635.7	638.9	644.0	647.2	650.8	654.6	658.5	660.7	664.3	666.2
25°	617.4	620.3	623.8	626.1	629.9	632.8	636.7	640.8	642.1	644.7	646.6
27.5°	595.9	597.5	599.1	601.0	603.3	604.9	607.1	609.1	610.3	611.6	612.9
30°	561.9	561.9	561.9	560.6	561.6	562.5	562.8	562.5	562.5	562.2	562.2
32.5°	517.0	514.4	511.5	508.9	508.0	506.7	506.0	505.1	503.5	502.5	502.8
35°	456.3	450.5	447.0	443.8	441.2	439.3	438.3	437.4	437.1	435.8	434.5
37.5°	380.6	376.4	373.8	371.9	369.7	367.7	368.1	368.4	369.3	368.7	369.0
40°	300.4	299.4	300.4	298.1	297.5	298.1	299.7	302.0	303.2	304.5	306.8
42.5°	228.5	230.1	232.3	232.3	233.3	234.6	236.5	240.0	241.9	244.2	246.8
45°	172.0	173.9	176.8	177.8	178.4	180.0	182.3	185.2	186.4	188.4	190.6
47.5°	132.5	133.8	135.4	137.0	138.6	139.3	141.5	141.5	143.1	144.4	145.0
50°	103.3	104.6	105.9	106.9	107.5	108.5	109.1	110.1	110.4	111.0	111.3
52.5°	80.9	82.5	82.5	83.1	84.1	85.0	84.7	85.0	85.4	85.4	86.3
55°	63.2	63.2	64.2	64.2	64.8	64.5	64.8	64.8	64.8	64.8	65.1
57.5°	47.2	47.5	48.5	47.8	47.5	48.1	47.5	48.1	47.8	48.5	47.5
60°	36.3	36.3	36.6	36.6	36.9	36.9	36.9	36.6	36.6	36.3	36.3
62.5°	27.3	27.6	27.9	27.6	27.6	27.6	27.3	27.3	27.0	26.6	26.6
65°	18.3	18.0	18.6	18.0	18.3	18.3	18.0	18.3	17.3	17.6	17.3
67.5°	13.2	12.8	12.5	12.8	12.5	12.2	12.2	12.5	12.8	11.9	11.9
70°	8.7	9.0	8.7	9.0	9.3	9.3	9.0	8.7	9.0	8.3	8.7
72.5°	5.5	5.5	5.5	5.5	5.5	5.8	5.8	5.8	5.1	5.1	4.8
75°	2.6	3.5	2.9	2.6	3.5	3.5	3.2	3.2	2.9	2.9	2.9
77.5°	2.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
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



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	664.6	664.3	664.6	664.9	664.6	664.3	664.6	664.9	663.6	663.3	663.9
5°	678.7	678.7	679.3	679.7	679.3	678.7	678.7	677.4	676.4	675.5	675.2
7.5°	690.9	691.5	692.2	692.5	692.2	691.5	690.9	689.0	687.0	685.4	684.1
10°	698.3	699.2	700.5	701.1	700.5	699.2	698.3	696.0	693.4	690.9	689.0
12.5°	701.5	702.4	704.0	703.7	704.0	702.4	701.5	698.3	695.4	691.8	689.0
15°	699.2	700.5	702.1	702.8	702.1	700.5	699.2	696.0	693.4	689.6	686.7
17.5°	692.2	694.1	695.1	696.0	695.1	694.1	692.2	689.6	686.1	682.9	680.0
20°	682.5	683.8	685.1	685.4	685.1	683.8	682.5	679.7	674.2	673.6	671.3
22.5°	668.7	669.7	672.6	671.6	672.6	669.7	668.7	666.2	664.3	660.7	658.5
25°	648.8	649.8	650.1	650.5	650.1	649.8	648.8	646.6	644.7	642.1	640.8
27.5°	614.5	614.5	615.1	615.5	615.1	614.5	614.5	612.9	611.6	610.3	609.1
30°	562.5	562.5	562.5	564.1	562.5	562.5	562.5	562.2	562.2	562.5	562.5
32.5°	502.5	501.9	501.2	501.9	501.2	501.9	502.5	502.8	502.5	503.5	505.1
35°	434.5	434.2	435.1	433.9	435.1	434.2	434.5	434.5	435.8	437.1	437.4
37.5°	369.3	368.7	370.0	368.7	370.0	368.7	369.3	369.0	368.7	369.3	368.4
40°	307.4	308.1	308.1	310.6	308.1	308.1	307.4	306.8	304.5	303.2	302.0
42.5°	248.1	250.0	249.3	251.3	249.3	250.0	248.1	246.8	244.2	241.9	240.0
45°	191.9	193.2	193.2	193.8	193.2	193.2	191.9	190.6	188.4	186.4	185.2
47.5°	147.3	147.3	147.3	147.6	147.3	147.3	147.3	145.0	144.4	143.1	141.5
50°	112.0	112.3	112.6	113.0	112.6	112.3	112.0	111.3	111.0	110.4	110.1
52.5°	86.0	86.3	85.7	86.3	85.7	86.3	86.0	86.3	85.4	85.4	85.0
55°	65.1	64.8	65.1	65.5	65.1	64.8	65.1	65.1	64.8	64.8	64.8
57.5°	47.8	47.2	47.2	47.2	47.2	47.2	47.8	47.5	48.5	47.8	48.1
60°	35.6	35.9	35.9	36.3	35.9	35.9	35.6	36.3	36.3	36.6	36.6
62.5°	26.3	27.3	26.6	27.3	26.6	27.3	26.3	26.6	26.6	27.0	27.3
65°	17.0	17.0	17.0	17.3	17.0	17.0	17.0	17.3	17.6	17.3	18.3
67.5°	11.6	11.9	12.5	12.2	12.5	11.9	11.6	11.9	11.9	12.8	12.5
70°	9.3	8.3	8.3	9.3	8.3	8.3	9.3	8.7	8.3	9.0	8.7
72.5°	5.5	4.8	5.5	5.5	5.5	4.8	5.5	4.8	5.1	5.1	5.8
75°	2.9	2.6	2.2	3.2	2.2	2.6	2.9	2.9	2.9	2.9	3.2
77.5°	1.9	1.6	2.2	2.2	2.2	1.6	1.9	1.6	1.9	1.6	1.9
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	1.0	1.3	1.3
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



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	663.9	663.0	663.3	661.4	661.4	660.7	661.0	659.4	658.8	658.2	659.1
5°	673.6	672.0	670.7	667.8	666.2	664.3	663.3	660.7	658.5	656.5	656.2
7.5°	681.3	677.7	675.5	671.6	668.7	666.5	663.3	659.8	656.9	654.3	652.4
10°	684.5	680.9	677.4	672.6	669.4	665.2	662.0	657.5	653.7	650.1	647.9
12.5°	684.8	680.3	677.1	671.6	667.5	663.0	659.4	654.3	649.8	646.3	642.8
15°	681.9	677.7	673.9	668.1	663.9	659.8	655.6	650.1	646.0	641.8	639.2
17.5°	675.5	671.6	667.1	661.7	657.8	654.0	649.5	645.0	640.2	635.7	632.5
20°	667.1	663.0	659.1	653.7	650.5	646.3	642.1	637.3	633.4	629.0	625.4
22.5°	654.6	650.8	647.2	644.0	638.9	635.7	632.8	627.4	623.5	619.3	615.5
25°	636.7	632.8	629.9	626.1	623.8	620.3	617.4	612.6	609.1	605.2	602.0
27.5°	607.1	604.9	603.3	601.0	599.1	597.5	595.9	592.0	589.5	586.0	582.7
30°	562.8	562.5	561.6	560.6	561.9	561.9	561.9	561.2	559.0	556.4	554.2
32.5°	506.0	506.7	508.0	508.9	511.5	514.4	517.0	518.2	518.2	516.6	515.7
35°	438.3	439.3	441.2	443.8	447.0	450.5	456.3	457.6	458.6	458.6	457.3
37.5°	368.1	367.7	369.7	371.9	373.8	376.4	380.6	381.5	383.1	382.5	381.2
40°	299.7	298.1	297.5	298.1	300.4	299.4	300.4	299.7	299.7	297.5	297.5
42.5°	236.5	234.6	233.3	232.3	232.3	230.1	228.5	226.9	225.9	224.3	224.0
45°	182.3	180.0	178.4	177.8	176.8	173.9	172.0	170.1	167.8	167.2	167.5
47.5°	141.5	139.3	138.6	137.0	135.4	133.8	132.5	130.3	130.0	128.7	130.0
50°	109.1	108.5	107.5	106.9	105.9	104.6	103.3	102.0	101.4	101.4	101.7
52.5°	84.7	85.0	84.1	83.1	82.5	82.5	80.9	80.5	80.5	79.3	80.5
55°	64.8	64.5	64.8	64.2	64.2	63.2	63.2	62.3	62.3	61.3	61.9
57.5°	47.5	48.1	47.5	47.8	48.5	47.5	47.2	46.2	46.8	46.2	46.5
60°	36.9	36.9	36.9	36.6	36.6	36.3	36.3	35.9	35.9	35.3	35.9
62.5°	27.3	27.6	27.6	27.6	27.9	27.6	27.3	27.6	27.3	27.3	27.6
65°	18.0	18.3	18.3	18.0	18.6	18.0	18.3	18.6	18.9	18.6	18.9
67.5°	12.2	12.2	12.5	12.8	12.5	12.8	13.2	12.8	13.2	13.8	13.2
70°	9.0	9.3	9.3	9.0	8.7	9.0	8.7	9.6	9.6	9.6	10.3
72.5°	5.8	5.8	5.5	5.5	5.5	5.5	5.5	6.4	5.8	5.5	6.1
75°	3.2	3.5	3.5	2.6	2.9	3.5	2.6	2.9	3.9	3.2	3.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.6	2.2	2.2	2.2	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	1.9	1.6	1.6	1.9
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	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	0.6	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



TEST NUMBER: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	656.5	656.5	656.2	655.6	654.3	654.3	654.0	653.0	652.4	652.1	652.1
5°	653.3	652.1	650.8	647.2	647.2	646.6	644.7	643.4	642.8	641.1	640.5
7.5°	650.5	646.6	644.4	642.1	639.2	637.9	635.7	634.7	632.5	630.9	629.9
10°	643.4	640.8	637.9	634.4	632.2	629.6	627.0	625.1	622.2	620.6	619.3
12.5°	638.6	634.7	632.2	628.3	624.5	622.2	618.7	616.4	613.6	610.3	608.4
15°	634.1	629.9	626.4	622.2	618.0	615.5	611.3	608.7	604.6	601.4	599.1
17.5°	627.4	623.8	620.0	614.8	611.0	607.8	603.3	600.1	596.2	592.0	589.8
20°	620.3	616.1	612.3	607.1	603.3	599.4	594.9	591.4	586.9	583.1	580.5
22.5°	611.0	606.2	603.0	597.8	593.3	589.2	585.0	580.8	576.6	573.4	570.5
25°	597.5	592.4	588.8	584.7	580.5	577.3	572.2	569.6	565.4	562.5	559.6
27.5°	578.2	574.4	571.2	567.0	563.5	560.9	557.1	554.5	551.0	548.4	546.2
30°	550.0	546.8	543.9	539.7	537.2	534.9	531.4	529.1	526.6	523.7	523.1
32.5°	512.2	509.6	506.7	503.8	501.9	500.6	497.7	496.4	493.9	492.2	490.6
35°	455.0	452.8	451.2	449.9	449.3	449.6	448.9	450.2	450.9	450.5	450.9
37.5°	380.3	379.0	379.6	380.6	383.8	388.0	391.8	397.6	401.4	405.3	408.8
40°	296.8	297.8	300.4	306.1	314.5	323.8	332.5	343.4	354.3	362.0	369.0
42.5°	224.0	226.9	233.3	241.6	254.2	267.9	281.4	297.5	310.6	323.5	332.5
45°	168.5	172.3	180.7	192.2	206.0	222.1	239.1	257.0	272.8	285.9	295.9
47.5°	131.3	134.8	143.1	155.3	172.3	189.0	206.7	225.3	241.6	254.5	263.1
50°	103.6	108.1	115.5	128.4	145.4	163.0	181.3	199.6	215.0	225.9	233.6
52.5°	81.5	85.7	92.7	106.2	123.6	141.2	158.2	176.2	189.6	200.2	205.4
55°	63.2	67.1	74.4	85.7	102.0	119.4	136.4	151.8	164.3	172.0	176.8
57.5°	48.1	51.0	56.2	67.4	82.2	98.2	112.6	128.0	137.7	143.1	146.3
60°	36.6	38.8	44.3	53.0	66.4	80.2	92.4	104.0	111.7	116.2	119.4
62.5°	27.6	30.2	34.0	41.4	51.7	62.9	73.2	81.8	88.2	91.1	93.4
65°	18.9	20.9	23.7	29.5	38.2	46.2	54.2	60.7	64.8	68.0	69.3
67.5°	14.1	15.4	17.0	21.5	27.6	34.0	39.5	44.0	48.5	49.7	52.0
70°	10.6	11.6	13.2	16.4	19.9	24.4	28.9	31.4	34.7	36.9	37.6
72.5°	6.7	7.1	8.7	10.6	13.5	16.4	19.3	21.5	23.4	24.7	25.3
75°	3.9	5.8	5.8	7.7	9.6	10.9	12.8	14.4	15.4	16.4	16.4
77.5°	2.6	3.5	3.9	4.8	5.8	7.4	9.0	9.9	10.9	11.2	11.2
80°	2.2	2.6	2.6	3.5	4.2	5.5	6.4	6.7	7.4	7.7	8.3
82.5°	1.0	1.3	1.6	2.6	2.9	2.9	3.9	4.2	4.8	5.1	5.1
85°	0.3	0.6	0.6	1.0	1.6	1.9	2.2	2.6	2.9	2.9	3.2
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.3	1.3	1.3	1.9	1.9
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: P245887

CATALOG NUMBER: LD8B15D010 ER8B15827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	657.2	657.2	657.2	657.2	657.2	657.2	657.2
2.5°	651.4	651.7	650.5	650.1	649.5	649.8	650.5
5°	639.5	639.9	638.6	637.3	637.3	637.0	637.3
7.5°	628.3	628.6	626.7	626.1	624.8	625.1	625.1
10°	617.1	617.1	614.2	613.9	612.9	612.6	612.6
12.5°	606.2	605.2	603.0	601.7	602.3	600.4	600.4
15°	596.5	594.9	592.0	591.1	589.5	588.8	588.8
17.5°	586.6	585.3	582.7	580.8	578.9	578.6	578.9
20°	577.0	575.7	572.5	571.2	569.6	569.6	568.9
22.5°	567.3	566.1	563.2	562.2	560.0	560.0	560.3
25°	557.4	556.4	553.2	552.6	552.3	551.0	551.6
27.5°	543.9	543.3	540.7	539.7	538.5	538.1	538.8
30°	519.2	518.2	516.3	515.4	513.1	513.4	514.1
32.5°	488.4	487.1	484.5	483.6	481.7	481.0	481.3
35°	449.9	448.9	446.7	446.7	444.8	444.1	444.8
37.5°	410.8	411.7	410.8	411.7	410.8	410.4	410.8
40°	373.8	377.4	378.0	381.5	380.3	382.2	381.9
42.5°	338.5	344.3	346.6	349.5	348.8	350.1	351.1
45°	302.9	307.7	310.0	311.9	312.2	312.9	313.2
47.5°	269.2	273.1	273.4	275.6	275.3	275.3	276.3
50°	237.8	240.4	241.0	242.6	241.3	240.7	241.0
52.5°	208.6	211.1	210.5	211.1	209.5	208.9	209.2
55°	178.7	180.0	180.0	180.0	178.1	178.1	178.1
57.5°	148.2	148.6	147.9	148.2	147.9	146.0	145.7
60°	120.3	120.3	120.0	120.3	119.4	118.4	118.4
62.5°	94.0	94.7	95.9	94.7	94.0	94.7	93.7
65°	70.3	71.6	71.2	71.9	71.6	71.6	70.9
67.5°	53.0	53.3	53.6	53.9	53.9	53.9	53.9
70°	38.8	39.8	39.5	39.5	39.5	39.5	41.4
72.5°	26.0	27.3	27.0	27.6	27.6	28.2	27.6
75°	17.6	18.9	18.3	19.3	18.9	18.3	19.9
77.5°	11.9	12.5	12.8	13.2	12.8	12.5	12.8
80°	8.3	9.0	8.7	9.0	9.0	9.0	9.3
82.5°	5.1	6.1	5.8	6.1	5.8	6.1	6.1
85°	3.5	3.9	3.2	3.9	3.5	3.5	4.2
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)