

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: P245893

Luminaire Tested: **LD8B15D010 ER8B15830 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245893
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 ER8B15830 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1135.0 lumens
Efficiency: N/A
Efficacy: 78.8 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

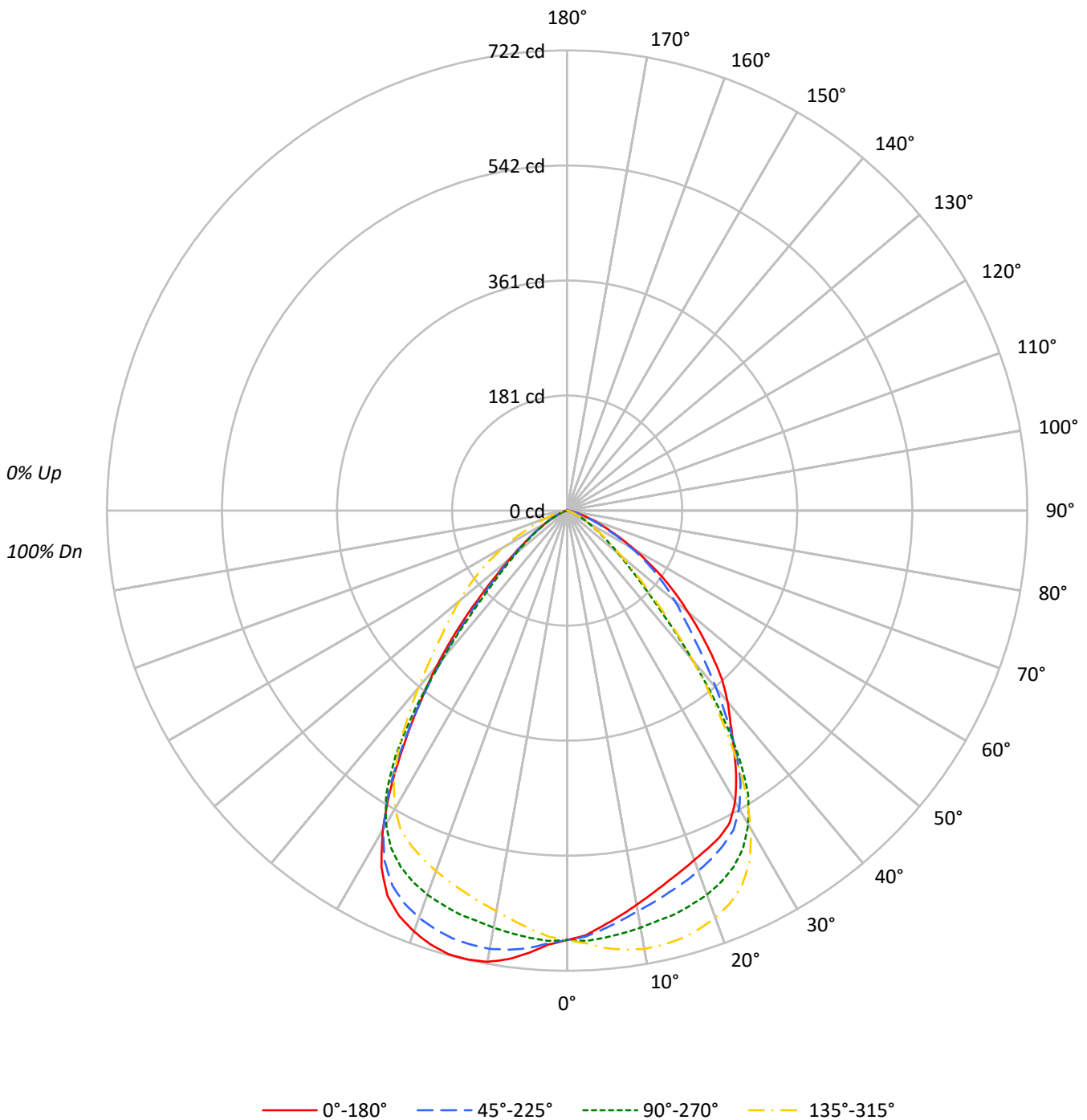
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	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°	20778	20778	20778	20778
5°	20225	20826	21569	20826
10°	19667	20801	22510	20801
15°	19273	20923	23001	20923
20°	19141	21041	23063	21041
25°	19244	21000	22691	21000
30°	18768	20232	20595	20232
35°	17166	17648	16744	17648
40°	15759	12277	12821	12277
45°	14003	7488	8665	7488
50°	11854	5004	5555	5004
55°	9817	3414	3607	3414
60°	7487	2270	2294	2270
65°	5305	1416	1299	1416
70°	3823	947	857	947
75°	2431	477	393	477
80°	1687	355	284	355
85°	1521	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	5.7
10°-20°	185.7	16.4
20°-30°	281.2	24.8
30°-40°	281.8	24.8
40°-50°	177.0	15.6
50°-60°	94.3	8.3
60°-70°	38.8	3.4
70°-80°	10.2	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°	531.1	46.8
0°-40°	812.9	71.6
0°-60°	1084.2	95.5
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	674	674	674	674	674	
5°	653	673	697	673	653	62
15°	604	655	720	655	604	171
25°	566	617	667	617	566	259
35°	456	469	445	469	456	286
45°	321	172	199	172	321	247
55°	183	64	67	64	183	163
65°	73	19	18	19	73	75
75°	20	4	3	4	20	23
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°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	666.9	666.2	665.9	666.6	666.9	668.2	667.9	668.5	668.5	668.9	669.5
5°	653.4	653.1	653.4	653.4	654.7	656.0	655.7	656.7	657.4	659.0	659.7
7.5°	640.9	640.9	640.6	641.9	642.6	644.5	644.2	645.8	646.8	648.5	650.8
10°	628.1	628.1	628.4	629.4	629.7	632.7	632.7	635.0	636.3	638.0	640.9
12.5°	615.6	615.6	617.6	616.9	618.2	620.5	621.5	623.8	625.8	629.1	632.0
15°	603.7	603.7	604.4	606.0	607.0	610.0	611.6	614.3	616.6	619.9	624.1
17.5°	593.5	593.2	593.5	595.5	597.5	600.1	601.4	604.7	607.0	611.3	615.3
20°	583.3	584.0	584.0	585.6	587.0	590.2	591.6	595.2	597.8	601.8	606.4
22.5°	574.5	574.1	574.1	576.4	577.4	580.4	581.7	585.0	587.9	591.2	595.5
25°	565.6	564.9	566.2	566.6	567.2	570.5	571.5	573.8	576.8	579.7	584.0
27.5°	552.4	551.8	552.1	553.4	554.4	557.0	557.7	560.0	562.3	564.9	568.5
30°	527.1	526.4	526.1	528.4	529.4	531.3	532.3	536.3	536.9	539.9	542.5
32.5°	493.5	493.2	493.8	495.8	496.8	499.4	500.8	503.1	504.7	506.3	509.0
35°	456.0	455.3	456.0	458.0	458.0	460.3	461.3	462.3	461.9	462.3	461.6
37.5°	421.1	420.8	421.1	422.1	421.1	422.1	421.1	419.2	415.5	411.6	407.6
40°	391.5	391.8	389.9	391.2	387.6	386.9	383.3	378.4	371.1	363.2	352.0
42.5°	359.9	359.0	357.6	358.3	355.3	353.0	347.1	340.9	331.6	318.5	305.0
45°	321.1	320.8	320.1	319.8	317.8	315.5	310.6	303.3	293.2	279.7	263.5
47.5°	283.3	282.3	282.3	282.6	280.3	280.0	276.0	269.8	260.9	247.7	231.0
50°	247.1	246.8	247.4	248.7	247.1	246.4	243.8	239.5	231.6	220.4	204.6
52.5°	214.5	214.2	214.8	216.5	215.8	216.5	213.9	210.6	205.3	194.4	180.6
55°	182.6	182.6	182.6	184.6	184.6	184.6	183.3	181.3	176.3	168.5	155.6
57.5°	149.4	149.7	151.7	152.0	151.7	152.3	152.0	150.0	146.7	141.2	131.3
60°	121.4	121.4	122.4	123.4	123.0	123.4	123.4	122.4	119.1	114.5	106.6
62.5°	96.1	97.1	96.4	97.1	98.4	97.1	96.4	95.7	93.4	90.5	83.9
65°	72.7	73.4	73.4	73.7	73.0	73.4	72.1	71.1	69.8	66.5	62.2
67.5°	55.3	55.3	55.3	55.3	54.9	54.6	54.3	53.3	51.0	49.7	45.1
70°	42.4	40.5	40.5	40.5	40.5	40.8	39.8	38.5	37.8	35.5	32.2
72.5°	28.3	29.0	28.3	28.3	27.6	28.0	26.7	26.0	25.3	24.0	22.0
75°	20.4	18.8	19.4	19.7	18.8	19.4	18.1	16.8	16.8	15.8	14.8
77.5°	13.2	12.8	13.2	13.5	13.2	12.8	12.2	11.5	11.5	11.2	10.2
80°	9.5	9.2	9.2	9.2	8.9	9.2	8.6	8.6	7.9	7.6	6.9
82.5°	6.3	6.3	5.9	6.3	5.9	6.3	5.3	5.3	5.3	4.9	4.3
85°	4.3	3.6	3.6	4.0	3.3	4.0	3.6	3.3	3.0	3.0	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	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°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	670.5	670.8	670.8	672.2	672.8	673.1	673.1	675.8	674.8	675.5	676.1
5°	661.0	663.0	663.6	663.6	667.2	668.5	669.9	672.8	673.1	675.1	677.4
7.5°	651.8	654.1	655.4	658.3	660.7	663.0	666.9	668.9	670.8	673.5	676.4
10°	642.9	645.5	648.2	650.5	654.1	657.0	659.7	664.3	666.6	670.2	674.1
12.5°	634.3	638.0	640.3	644.2	648.2	650.8	654.7	659.0	662.6	666.2	670.8
15°	626.8	631.0	633.7	638.0	642.2	645.8	650.1	655.4	658.0	662.3	666.6
17.5°	618.5	623.2	626.4	630.4	635.7	639.6	643.2	648.5	651.8	656.4	661.3
20°	610.0	614.6	618.5	622.5	627.8	631.7	636.0	641.2	644.9	649.5	653.4
22.5°	599.8	604.1	608.3	612.9	618.2	621.5	626.4	631.0	635.0	639.3	643.2
25°	586.6	591.9	595.2	599.5	603.7	607.3	612.6	617.2	620.5	624.5	628.1
27.5°	571.2	575.1	577.7	581.4	585.6	588.9	592.9	597.5	600.8	604.4	607.0
30°	544.8	548.5	550.8	553.4	557.7	560.6	563.9	568.2	570.5	573.1	575.4
32.5°	510.3	513.3	514.6	516.5	519.5	522.5	525.1	528.7	529.7	531.3	531.3
35°	460.3	460.9	460.6	461.3	462.6	464.2	466.5	468.8	470.2	470.2	469.2
37.5°	401.7	397.8	393.5	390.2	389.2	388.6	389.9	390.9	392.2	392.8	391.2
40°	340.9	332.0	322.4	313.9	308.0	305.3	304.3	305.0	305.0	307.3	307.3
42.5°	288.5	274.7	260.6	247.7	239.2	232.6	229.7	229.7	230.0	231.6	232.6
45°	245.1	227.7	211.2	197.1	185.2	176.7	172.7	171.7	171.4	172.1	174.4
47.5°	211.9	193.8	176.7	159.2	146.7	138.2	134.6	133.2	131.9	133.2	133.6
50°	185.9	167.1	149.0	131.6	118.4	110.9	106.3	104.3	104.0	104.0	104.6
52.5°	162.2	144.8	126.7	108.9	95.1	87.8	83.6	82.6	81.3	82.6	82.6
55°	139.8	122.4	104.6	87.8	76.3	68.8	64.8	63.5	62.8	63.8	63.8
57.5°	115.5	100.7	84.2	69.1	57.6	52.3	49.3	47.7	47.4	48.0	47.4
60°	94.8	82.3	68.1	54.3	45.4	39.8	37.5	36.8	36.2	36.8	36.8
62.5°	75.0	64.5	53.0	42.4	34.9	30.9	28.3	28.3	28.0	28.0	28.3
65°	55.6	47.4	39.2	30.3	24.3	21.4	19.4	19.4	19.1	19.4	19.1
67.5°	40.5	34.9	28.3	22.0	17.4	15.8	14.5	13.5	14.2	13.5	13.2
70°	29.6	25.0	20.4	16.8	13.5	11.8	10.9	10.5	9.9	9.9	9.9
72.5°	19.7	16.8	13.8	10.9	8.9	7.2	6.9	6.3	5.6	5.9	6.6
75°	13.2	11.2	9.9	7.9	5.9	5.9	4.0	4.0	3.3	4.0	3.0
77.5°	9.2	7.6	5.9	4.9	4.0	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.6	5.6	4.3	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	4.0	3.0	3.0	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.6	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°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	677.8	677.4	678.1	678.1	680.1	679.7	680.7	680.7	680.1	680.4	681.7
5°	680.1	681.1	683.0	684.7	687.6	689.0	690.6	692.2	692.6	693.6	694.5
7.5°	680.1	683.4	685.7	688.6	692.6	694.9	698.5	701.5	702.8	704.4	706.4
10°	678.7	682.0	686.3	689.6	694.5	698.2	701.8	706.4	708.4	711.0	713.6
12.5°	676.1	679.7	684.3	688.6	694.2	697.5	702.1	706.4	709.3	713.0	715.9
15°	672.2	676.4	680.7	685.0	690.9	694.9	699.2	704.1	707.0	711.0	713.6
17.5°	665.9	670.5	674.5	678.4	684.0	688.6	692.6	697.2	700.1	703.4	707.0
20°	658.3	662.6	666.9	670.2	675.8	679.7	684.0	688.3	690.6	691.3	696.8
22.5°	648.8	651.8	655.1	660.3	663.6	667.2	671.2	675.1	677.4	681.1	683.0
25°	633.0	636.0	639.6	641.9	645.8	648.8	652.8	657.0	658.3	661.0	663.0
27.5°	611.0	612.6	614.3	616.2	618.5	620.2	622.5	624.5	625.8	627.1	628.4
30°	576.1	576.1	576.1	574.8	575.8	576.8	577.1	576.8	576.8	576.4	576.4
32.5°	530.0	527.4	524.4	521.8	520.8	519.5	518.8	517.9	516.2	515.2	515.6
35°	467.8	461.9	458.3	455.0	452.4	450.4	449.4	448.4	448.1	446.8	445.5
37.5°	390.2	385.9	383.3	381.3	379.0	377.0	377.4	377.7	378.7	378.0	378.4
40°	308.0	307.0	308.0	305.7	305.0	305.7	307.3	309.6	310.9	312.2	314.5
42.5°	234.3	235.9	238.2	238.2	239.2	240.5	242.5	246.1	248.1	250.4	253.0
45°	176.3	178.3	181.3	182.3	182.9	184.6	186.9	189.8	191.2	193.1	195.4
47.5°	135.9	137.2	138.8	140.5	142.1	142.8	145.1	145.1	146.7	148.1	148.7
50°	105.9	107.3	108.6	109.6	110.2	111.2	111.9	112.8	113.2	113.8	114.2
52.5°	82.9	84.6	84.6	85.2	86.2	87.2	86.9	87.2	87.5	87.5	88.5
55°	64.8	64.8	65.8	65.8	66.5	66.1	66.5	66.5	66.5	66.5	66.8
57.5°	48.4	48.7	49.7	49.0	48.7	49.3	48.7	49.3	49.0	49.7	48.7
60°	37.2	37.2	37.5	37.5	37.8	37.8	37.8	37.5	37.5	37.2	37.2
62.5°	28.0	28.3	28.6	28.3	28.3	28.3	28.0	28.0	27.6	27.3	27.3
65°	18.8	18.4	19.1	18.4	18.8	18.8	18.4	18.8	17.8	18.1	17.8
67.5°	13.5	13.2	12.8	13.2	12.8	12.5	12.5	12.8	13.2	12.2	12.2
70°	8.9	9.2	8.9	9.2	9.5	9.5	9.2	8.9	9.2	8.6	8.9
72.5°	5.6	5.6	5.6	5.6	5.6	5.9	5.9	5.9	5.3	5.3	4.9
75°	2.6	3.6	3.0	2.6	3.6	3.6	3.3	3.3	3.0	3.0	3.0
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6	2.0	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°	0.7	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°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	681.4	681.1	681.4	681.7	681.4	681.1	681.4	681.7	680.4	680.1	680.7
5°	695.9	695.9	696.5	696.8	696.5	695.9	695.9	694.5	693.6	692.6	692.2
7.5°	708.4	709.0	709.7	710.0	709.7	709.0	708.4	706.4	704.4	702.8	701.5
10°	715.9	716.9	718.2	718.9	718.2	716.9	715.9	713.6	711.0	708.4	706.4
12.5°	719.2	720.2	721.8	721.5	721.8	720.2	719.2	715.9	713.0	709.3	706.4
15°	716.9	718.2	719.9	720.5	719.9	718.2	716.9	713.6	711.0	707.0	704.1
17.5°	709.7	711.7	712.6	713.6	712.6	711.7	709.7	707.0	703.4	700.1	697.2
20°	699.8	701.1	702.4	702.8	702.4	701.1	699.8	696.8	691.3	690.6	688.3
22.5°	685.7	686.7	689.6	688.6	689.6	686.7	685.7	683.0	681.1	677.4	675.1
25°	665.3	666.2	666.6	666.9	666.6	666.2	665.3	663.0	661.0	658.3	657.0
27.5°	630.1	630.1	630.7	631.0	630.7	630.1	630.1	628.4	627.1	625.8	624.5
30°	576.8	576.8	576.8	578.4	576.8	576.8	576.8	576.4	576.4	576.8	576.8
32.5°	515.2	514.6	513.9	514.6	513.9	514.6	515.2	515.6	515.2	516.2	517.9
35°	445.5	445.2	446.1	444.8	446.1	445.2	445.5	445.5	446.8	448.1	448.4
37.5°	378.7	378.0	379.3	378.0	379.3	378.0	378.7	378.4	378.0	378.7	377.7
40°	315.2	315.8	315.8	318.5	315.8	315.8	315.2	314.5	312.2	310.9	309.6
42.5°	254.3	256.3	255.6	257.6	255.6	256.3	254.3	253.0	250.4	248.1	246.1
45°	196.7	198.1	198.1	198.7	198.1	198.1	196.7	195.4	193.1	191.2	189.8
47.5°	151.0	151.0	151.0	151.3	151.0	151.0	151.0	148.7	148.1	146.7	145.1
50°	114.8	115.2	115.5	115.8	115.5	115.2	114.8	114.2	113.8	113.2	112.8
52.5°	88.2	88.5	87.8	88.5	87.8	88.5	88.2	88.5	87.5	87.5	87.2
55°	66.8	66.5	66.8	67.1	66.8	66.5	66.8	66.8	66.5	66.5	66.5
57.5°	49.0	48.4	48.4	48.4	48.4	48.4	49.0	48.7	49.7	49.0	49.3
60°	36.5	36.8	36.8	37.2	36.8	36.8	36.5	37.2	37.2	37.5	37.5
62.5°	27.0	28.0	27.3	28.0	27.3	28.0	27.0	27.3	27.3	27.6	28.0
65°	17.4	17.4	17.4	17.8	17.4	17.4	17.4	17.8	18.1	17.8	18.8
67.5°	11.8	12.2	12.8	12.5	12.8	12.2	11.8	12.2	12.2	13.2	12.8
70°	9.5	8.6	8.6	9.5	8.6	8.6	9.5	8.9	8.6	9.2	8.9
72.5°	5.6	4.9	5.6	5.6	5.6	4.9	5.6	4.9	5.3	5.3	5.9
75°	3.0	2.6	2.3	3.3	2.3	2.6	3.0	3.0	3.0	3.0	3.3
77.5°	2.0	1.6	2.3	2.3	2.3	1.6	2.0	1.6	2.0	1.6	2.0
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	0.7	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: P245893

CATALOG NUMBER: LD8B15D010 ER8B15830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	680.7	679.7	680.1	678.1	678.1	677.4	677.8	676.1	675.5	674.8	675.8
5°	690.6	689.0	687.6	684.7	683.0	681.1	680.1	677.4	675.1	673.1	672.8
7.5°	698.5	694.9	692.6	688.6	685.7	683.4	680.1	676.4	673.5	670.8	668.9
10°	701.8	698.2	694.5	689.6	686.3	682.0	678.7	674.1	670.2	666.6	664.3
12.5°	702.1	697.5	694.2	688.6	684.3	679.7	676.1	670.8	666.2	662.6	659.0
15°	699.2	694.9	690.9	685.0	680.7	676.4	672.2	666.6	662.3	658.0	655.4
17.5°	692.6	688.6	684.0	678.4	674.5	670.5	665.9	661.3	656.4	651.8	648.5
20°	684.0	679.7	675.8	670.2	666.9	662.6	658.3	653.4	649.5	644.9	641.2
22.5°	671.2	667.2	663.6	660.3	655.1	651.8	648.8	643.2	639.3	635.0	631.0
25°	652.8	648.8	645.8	641.9	639.6	636.0	633.0	628.1	624.5	620.5	617.2
27.5°	622.5	620.2	618.5	616.2	614.3	612.6	611.0	607.0	604.4	600.8	597.5
30°	577.1	576.8	575.8	574.8	576.1	576.1	576.1	575.4	573.1	570.5	568.2
32.5°	518.8	519.5	520.8	521.8	524.4	527.4	530.0	531.3	531.3	529.7	528.7
35°	449.4	450.4	452.4	455.0	458.3	461.9	467.8	469.2	470.2	470.2	468.8
37.5°	377.4	377.0	379.0	381.3	383.3	385.9	390.2	391.2	392.8	392.2	390.9
40°	307.3	305.7	305.0	305.7	308.0	307.0	308.0	307.3	307.3	305.0	305.0
42.5°	242.5	240.5	239.2	238.2	238.2	235.9	234.3	232.6	231.6	230.0	229.7
45°	186.9	184.6	182.9	182.3	181.3	178.3	176.3	174.4	172.1	171.4	171.7
47.5°	145.1	142.8	142.1	140.5	138.8	137.2	135.9	133.6	133.2	131.9	133.2
50°	111.9	111.2	110.2	109.6	108.6	107.3	105.9	104.6	104.0	104.0	104.3
52.5°	86.9	87.2	86.2	85.2	84.6	84.6	82.9	82.6	82.6	81.3	82.6
55°	66.5	66.1	66.5	65.8	65.8	64.8	64.8	63.8	63.8	62.8	63.5
57.5°	48.7	49.3	48.7	49.0	49.7	48.7	48.4	47.4	48.0	47.4	47.7
60°	37.8	37.8	37.8	37.5	37.5	37.2	37.2	36.8	36.8	36.2	36.8
62.5°	28.0	28.3	28.3	28.3	28.6	28.3	28.0	28.3	28.0	28.0	28.3
65°	18.4	18.8	18.8	18.4	19.1	18.4	18.8	19.1	19.4	19.1	19.4
67.5°	12.5	12.5	12.8	13.2	12.8	13.2	13.5	13.2	13.5	14.2	13.5
70°	9.2	9.5	9.5	9.2	8.9	9.2	8.9	9.9	9.9	9.9	10.5
72.5°	5.9	5.9	5.6	5.6	5.6	5.6	5.6	6.6	5.9	5.6	6.3
75°	3.3	3.6	3.6	2.6	3.0	3.6	2.6	3.0	4.0	3.3	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.6	1.6	2.0
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: P245893

CATALOG NUMBER: LD8B15D010 ER8B15830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	673.1	673.1	672.8	672.2	670.8	670.8	670.5	669.5	668.9	668.5	668.5
5°	669.9	668.5	667.2	663.6	663.6	663.0	661.0	659.7	659.0	657.4	656.7
7.5°	666.9	663.0	660.7	658.3	655.4	654.1	651.8	650.8	648.5	646.8	645.8
10°	659.7	657.0	654.1	650.5	648.2	645.5	642.9	640.9	638.0	636.3	635.0
12.5°	654.7	650.8	648.2	644.2	640.3	638.0	634.3	632.0	629.1	625.8	623.8
15°	650.1	645.8	642.2	638.0	633.7	631.0	626.8	624.1	619.9	616.6	614.3
17.5°	643.2	639.6	635.7	630.4	626.4	623.2	618.5	615.3	611.3	607.0	604.7
20°	636.0	631.7	627.8	622.5	618.5	614.6	610.0	606.4	601.8	597.8	595.2
22.5°	626.4	621.5	618.2	612.9	608.3	604.1	599.8	595.5	591.2	587.9	585.0
25°	612.6	607.3	603.7	599.5	595.2	591.9	586.6	584.0	579.7	576.8	573.8
27.5°	592.9	588.9	585.6	581.4	577.7	575.1	571.2	568.5	564.9	562.3	560.0
30°	563.9	560.6	557.7	553.4	550.8	548.5	544.8	542.5	539.9	536.9	536.3
32.5°	525.1	522.5	519.5	516.5	514.6	513.3	510.3	509.0	506.3	504.7	503.1
35°	466.5	464.2	462.6	461.3	460.6	460.9	460.3	461.6	462.3	461.9	462.3
37.5°	389.9	388.6	389.2	390.2	393.5	397.8	401.7	407.6	411.6	415.5	419.2
40°	304.3	305.3	308.0	313.9	322.4	332.0	340.9	352.0	363.2	371.1	378.4
42.5°	229.7	232.6	239.2	247.7	260.6	274.7	288.5	305.0	318.5	331.6	340.9
45°	172.7	176.7	185.2	197.1	211.2	227.7	245.1	263.5	279.7	293.2	303.3
47.5°	134.6	138.2	146.7	159.2	176.7	193.8	211.9	231.0	247.7	260.9	269.8
50°	106.3	110.9	118.4	131.6	149.0	167.1	185.9	204.6	220.4	231.6	239.5
52.5°	83.6	87.8	95.1	108.9	126.7	144.8	162.2	180.6	194.4	205.3	210.6
55°	64.8	68.8	76.3	87.8	104.6	122.4	139.8	155.6	168.5	176.3	181.3
57.5°	49.3	52.3	57.6	69.1	84.2	100.7	115.5	131.3	141.2	146.7	150.0
60°	37.5	39.8	45.4	54.3	68.1	82.3	94.8	106.6	114.5	119.1	122.4
62.5°	28.3	30.9	34.9	42.4	53.0	64.5	75.0	83.9	90.5	93.4	95.7
65°	19.4	21.4	24.3	30.3	39.2	47.4	55.6	62.2	66.5	69.8	71.1
67.5°	14.5	15.8	17.4	22.0	28.3	34.9	40.5	45.1	49.7	51.0	53.3
70°	10.9	11.8	13.5	16.8	20.4	25.0	29.6	32.2	35.5	37.8	38.5
72.5°	6.9	7.2	8.9	10.9	13.8	16.8	19.7	22.0	24.0	25.3	26.0
75°	4.0	5.9	5.9	7.9	9.9	11.2	13.2	14.8	15.8	16.8	16.8
77.5°	2.6	3.6	4.0	4.9	5.9	7.6	9.2	10.2	11.2	11.5	11.5
80°	2.3	2.6	2.6	3.6	4.3	5.6	6.6	6.9	7.6	7.9	8.6
82.5°	1.0	1.3	1.6	2.6	3.0	3.0	4.0	4.3	4.9	5.3	5.3
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	3.0	3.0	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P245893

CATALOG NUMBER: LD8B15D010 ER8B15830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	673.8	673.8	673.8	673.8	673.8	673.8	673.8
2.5°	667.9	668.2	666.9	666.6	665.9	666.2	666.9
5°	655.7	656.0	654.7	653.4	653.4	653.1	653.4
7.5°	644.2	644.5	642.6	641.9	640.6	640.9	640.9
10°	632.7	632.7	629.7	629.4	628.4	628.1	628.1
12.5°	621.5	620.5	618.2	616.9	617.6	615.6	615.6
15°	611.6	610.0	607.0	606.0	604.4	603.7	603.7
17.5°	601.4	600.1	597.5	595.5	593.5	593.2	593.5
20°	591.6	590.2	587.0	585.6	584.0	584.0	583.3
22.5°	581.7	580.4	577.4	576.4	574.1	574.1	574.5
25°	571.5	570.5	567.2	566.6	566.2	564.9	565.6
27.5°	557.7	557.0	554.4	553.4	552.1	551.8	552.4
30°	532.3	531.3	529.4	528.4	526.1	526.4	527.1
32.5°	500.8	499.4	496.8	495.8	493.8	493.2	493.5
35°	461.3	460.3	458.0	458.0	456.0	455.3	456.0
37.5°	421.1	422.1	421.1	422.1	421.1	420.8	421.1
40°	383.3	386.9	387.6	391.2	389.9	391.8	391.5
42.5°	347.1	353.0	355.3	358.3	357.6	359.0	359.9
45°	310.6	315.5	317.8	319.8	320.1	320.8	321.1
47.5°	276.0	280.0	280.3	282.6	282.3	282.3	283.3
50°	243.8	246.4	247.1	248.7	247.4	246.8	247.1
52.5°	213.9	216.5	215.8	216.5	214.8	214.2	214.5
55°	183.3	184.6	184.6	184.6	182.6	182.6	182.6
57.5°	152.0	152.3	151.7	152.0	151.7	149.7	149.4
60°	123.4	123.4	123.0	123.4	122.4	121.4	121.4
62.5°	96.4	97.1	98.4	97.1	96.4	97.1	96.1
65°	72.1	73.4	73.0	73.7	73.4	73.4	72.7
67.5°	54.3	54.6	54.9	55.3	55.3	55.3	55.3
70°	39.8	40.8	40.5	40.5	40.5	40.5	42.4
72.5°	26.7	28.0	27.6	28.3	28.3	29.0	28.3
75°	18.1	19.4	18.8	19.7	19.4	18.8	20.4
77.5°	12.2	12.8	13.2	13.5	13.2	12.8	13.2
80°	8.6	9.2	8.9	9.2	9.2	9.2	9.5
82.5°	5.3	6.3	5.9	6.3	5.9	6.3	6.3
85°	3.6	4.0	3.3	4.0	3.6	3.6	4.3
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)