

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: P245814

Luminaire Tested: **LD8B10D010 ER8B10827 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245814
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: LD8B10D010 ER8B10827 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 990.0 lumens
Efficiency: N/A
Efficacy: 97.1 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

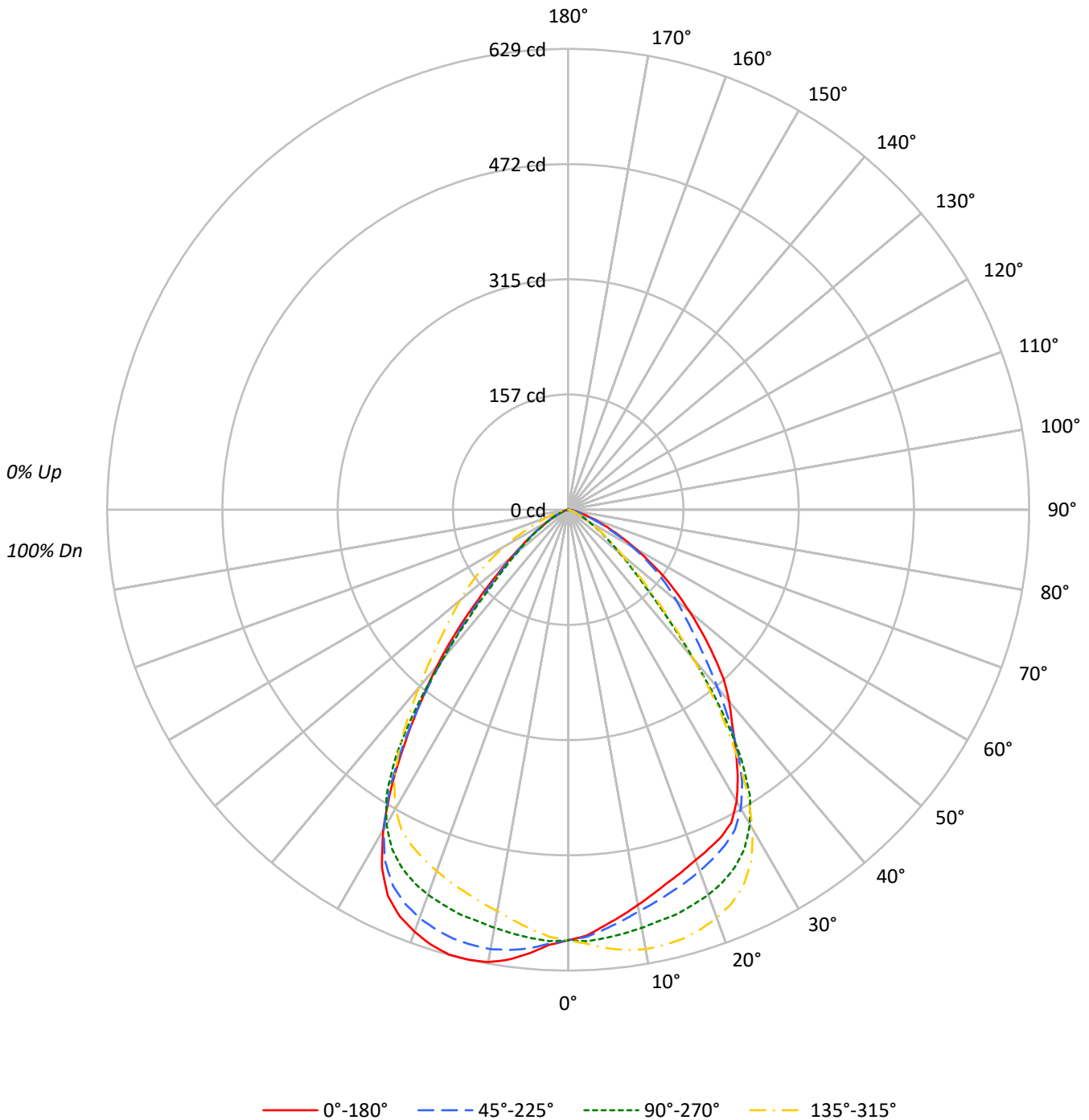
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18123	18123	18123	18123
5°	17641	18167	18814	18167
10°	17153	18142	19633	18142
15°	16811	18251	20064	18251
20°	16696	18354	20116	18354
25°	16784	18319	19792	18319
30°	16368	17647	17964	17647
35°	14975	15393	14606	15393
40°	13747	10708	11183	10708
45°	12215	6533	7557	6533
50°	10338	4366	4845	4366
55°	8564	2978	3145	2978
60°	6531	1980	1998	1980
65°	4626	1233	1131	1233
70°	3336	829	748	829
75°	2121	405	346	405
80°	1474	302	249	302
85°	1309	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	5.7
10°-20°	162.0	16.4
20°-30°	245.3	24.8
30°-40°	245.8	24.8
40°-50°	154.4	15.6
50°-60°	82.3	8.3
60°-70°	33.8	3.4
70°-80°	8.9	0.9
80°-90°	1.5	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°	463.2	46.8
0°-40°	709.1	71.6
0°-60°	945.7	95.5
0°-90°	990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	990.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	588	588	588	588	588	
5°	570	587	608	587	570	54
15°	527	572	628	572	527	149
25°	493	538	582	538	493	226
35°	398	409	388	409	398	249
45°	280	150	173	150	280	215
55°	159	55	58	55	159	142
65°	63	17	16	17	63	66
75°	18	3	3	3	18	20
85°	4	0	0	0	4	4
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°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	581.7	581.1	580.8	581.4	581.7	582.9	582.6	583.1	583.1	583.4	584.0
5°	569.9	569.6	569.9	569.9	571.1	572.2	572.0	572.8	573.4	574.8	575.4
7.5°	559.0	559.0	558.7	559.9	560.5	562.2	561.9	563.3	564.2	565.6	567.6
10°	547.8	547.8	548.1	549.0	549.3	551.9	551.9	553.9	555.0	556.5	559.0
12.5°	536.9	536.9	538.7	538.1	539.2	541.2	542.1	544.1	545.8	548.7	551.3
15°	526.6	526.6	527.2	528.6	529.5	532.1	533.5	535.8	537.8	540.7	544.4
17.5°	517.7	517.4	517.7	519.4	521.2	523.4	524.6	527.5	529.5	533.2	536.7
20°	508.8	509.4	509.4	510.8	512.0	514.8	516.0	519.1	521.4	524.9	528.9
22.5°	501.1	500.8	500.8	502.8	503.7	506.2	507.4	510.2	512.8	515.7	519.4
25°	493.3	492.7	493.9	494.2	494.7	497.6	498.5	500.5	503.1	505.7	509.4
27.5°	481.8	481.3	481.6	482.7	483.6	485.9	486.4	488.4	490.4	492.7	495.9
30°	459.7	459.2	458.9	460.9	461.8	463.5	464.3	467.8	468.3	470.9	473.2
32.5°	430.5	430.2	430.8	432.5	433.3	435.6	436.8	438.8	440.2	441.7	444.0
35°	397.8	397.2	397.8	399.5	399.5	401.5	402.3	403.2	402.9	403.2	402.6
37.5°	367.3	367.0	367.3	368.2	367.3	368.2	367.3	365.6	362.5	359.0	355.6
40°	341.5	341.8	340.1	341.2	338.1	337.5	334.3	330.0	323.7	316.8	307.1
42.5°	314.0	313.1	312.0	312.5	309.9	307.9	302.8	297.3	289.3	277.8	266.0
45°	280.1	279.8	279.2	278.9	277.2	275.2	270.9	264.6	255.7	243.9	229.9
47.5°	247.1	246.2	246.2	246.5	244.5	244.2	240.8	235.3	227.6	216.1	201.5
50°	215.5	215.2	215.8	217.0	215.5	214.9	212.7	208.9	202.0	192.3	178.5
52.5°	187.1	186.8	187.4	188.8	188.3	188.8	186.5	183.7	179.1	169.6	157.6
55°	159.3	159.3	159.3	161.0	161.0	161.0	159.8	158.1	153.8	146.9	135.7
57.5°	130.3	130.6	132.3	132.6	132.3	132.9	132.6	130.9	128.0	123.1	114.5
60°	105.9	105.9	106.8	107.6	107.3	107.6	107.6	106.8	103.9	99.9	93.0
62.5°	83.8	84.7	84.1	84.7	85.8	84.7	84.1	83.5	81.5	78.9	73.2
65°	63.4	64.0	64.0	64.3	63.7	64.0	62.9	62.0	60.8	58.0	54.2
67.5°	48.2	48.2	48.2	48.2	47.9	47.6	47.4	46.5	44.5	43.3	39.3
70°	37.0	35.3	35.3	35.3	35.3	35.6	34.7	33.6	33.0	31.0	28.1
72.5°	24.7	25.3	24.7	24.7	24.1	24.4	23.2	22.7	22.1	21.0	19.2
75°	17.8	16.4	16.9	17.2	16.4	16.9	15.8	14.6	14.6	13.8	12.9
77.5°	11.5	11.2	11.5	11.8	11.5	11.2	10.6	10.0	10.0	9.8	8.9
80°	8.3	8.0	8.0	8.0	7.7	8.0	7.5	7.5	6.9	6.6	6.0
82.5°	5.5	5.5	5.2	5.5	5.2	5.5	4.6	4.6	4.6	4.3	3.7
85°	3.7	3.2	3.2	3.4	2.9	3.4	3.2	2.9	2.6	2.6	2.3
87.5°	1.7	2.0	1.7	2.0	1.7	1.7	2.0	1.7	1.7	1.1	1.1
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°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	584.9	585.1	585.1	586.3	586.9	587.2	587.2	589.5	588.6	589.2	589.7
5°	576.5	578.3	578.8	578.8	582.0	583.1	584.3	586.9	587.2	588.9	590.9
7.5°	568.5	570.5	571.7	574.2	576.3	578.3	581.7	583.4	585.1	587.4	590.0
10°	560.8	563.1	565.3	567.4	570.5	573.1	575.4	579.4	581.4	584.6	588.0
12.5°	553.3	556.5	558.5	561.9	565.3	567.6	571.1	574.8	578.0	581.1	585.1
15°	546.7	550.4	552.7	556.5	560.2	563.3	567.1	571.7	574.0	577.7	581.4
17.5°	539.5	543.5	546.4	549.8	554.4	557.9	561.0	565.6	568.5	572.5	576.8
20°	532.1	536.1	539.5	543.0	547.6	551.0	554.7	559.3	562.5	566.5	569.9
22.5°	523.2	526.9	530.6	534.6	539.2	542.1	546.4	550.4	553.9	557.6	561.0
25°	511.7	516.3	519.1	522.9	526.6	529.8	534.4	538.4	541.2	544.7	547.8
27.5°	498.2	501.6	503.9	507.1	510.8	513.7	517.1	521.2	524.0	527.2	529.5
30°	475.2	478.4	480.4	482.7	486.4	489.0	491.9	495.6	497.6	499.9	501.9
32.5°	445.1	447.7	448.8	450.6	453.1	455.7	458.0	461.2	462.0	463.5	463.5
35°	401.5	402.1	401.8	402.3	403.5	404.9	406.9	408.9	410.1	410.1	409.2
37.5°	350.4	347.0	343.2	340.4	339.5	338.9	340.1	340.9	342.1	342.7	341.2
40°	297.3	289.6	281.2	273.8	268.6	266.3	265.5	266.0	266.0	268.0	268.0
42.5°	251.7	239.6	227.3	216.1	208.6	202.9	200.3	200.3	200.6	202.0	202.9
45°	213.8	198.6	184.2	171.9	161.6	154.1	150.7	149.8	149.5	150.1	152.1
47.5°	184.8	169.0	154.1	138.9	128.0	120.5	117.4	116.2	115.1	116.2	116.5
50°	162.1	145.8	130.0	114.8	103.3	96.7	92.7	91.0	90.7	90.7	91.3
52.5°	141.5	126.3	110.5	95.0	82.9	76.6	72.9	72.0	70.9	72.0	72.0
55°	122.0	106.8	91.3	76.6	66.6	60.0	56.5	55.4	54.8	55.7	55.7
57.5°	100.7	87.8	73.5	60.3	50.2	45.6	43.0	41.6	41.3	41.9	41.3
60°	82.7	71.7	59.4	47.4	39.6	34.7	32.7	32.1	31.6	32.1	32.1
62.5°	65.4	56.3	46.2	37.0	30.4	27.0	24.7	24.7	24.4	24.4	24.7
65°	48.5	41.3	34.1	26.4	21.2	18.7	16.9	16.9	16.6	16.9	16.6
67.5°	35.3	30.4	24.7	19.2	15.2	13.8	12.6	11.8	12.3	11.8	11.5
70°	25.8	21.8	17.8	14.6	11.8	10.3	9.5	9.2	8.6	8.6	8.6
72.5°	17.2	14.6	12.0	9.5	7.7	6.3	6.0	5.5	4.9	5.2	5.7
75°	11.5	9.8	8.6	6.9	5.2	5.2	3.4	3.4	2.9	3.4	2.6
77.5°	8.0	6.6	5.2	4.3	3.4	3.2	2.3	2.3	2.0	2.0	2.0
80°	5.7	4.9	3.7	3.2	2.3	2.3	2.0	1.7	1.4	1.4	1.7
82.5°	3.4	2.6	2.6	2.3	1.4	1.1	0.9	1.1	0.6	0.6	0.6
85°	2.0	1.7	1.4	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.1	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	591.2	590.9	591.5	591.5	593.2	592.9	593.8	593.8	593.2	593.5	594.6
5°	593.2	594.1	595.8	597.2	599.8	600.9	602.4	603.8	604.1	605.0	605.8
7.5°	593.2	596.1	598.1	600.6	604.1	606.1	609.3	611.8	613.0	614.4	616.1
10°	592.0	594.9	598.6	601.5	605.8	609.0	612.1	616.1	617.9	620.2	622.5
12.5°	589.7	592.9	596.9	600.6	605.5	608.4	612.4	616.1	618.7	621.9	624.5
15°	586.3	590.0	593.8	597.5	602.7	606.1	609.8	614.1	616.7	620.2	622.5
17.5°	580.8	584.9	588.3	591.7	596.6	600.6	604.1	608.1	610.7	613.6	616.7
20°	574.2	578.0	581.7	584.6	589.5	592.9	596.6	600.4	602.4	602.9	607.8
22.5°	565.9	568.5	571.4	576.0	578.8	582.0	585.4	588.9	590.9	594.1	595.8
25°	552.1	554.7	557.9	559.9	563.3	565.9	569.4	573.1	574.2	576.5	578.3
27.5°	532.9	534.4	535.8	537.5	539.5	541.0	543.0	544.7	545.8	547.0	548.1
30°	502.5	502.5	502.5	501.3	502.2	503.1	503.4	503.1	503.1	502.8	502.8
32.5°	462.3	460.0	457.4	455.2	454.3	453.1	452.6	451.7	450.3	449.4	449.7
35°	408.1	402.9	399.8	396.9	394.6	392.9	392.0	391.2	390.9	389.7	388.6
37.5°	340.4	336.6	334.3	332.6	330.6	328.9	329.2	329.5	330.3	329.7	330.0
40°	268.6	267.7	268.6	266.6	266.0	266.6	268.0	270.1	271.2	272.3	274.4
42.5°	204.3	205.8	207.8	207.8	208.6	209.8	211.5	214.7	216.4	218.4	220.7
45°	153.8	155.5	158.1	159.0	159.6	161.0	163.0	165.6	166.7	168.5	170.5
47.5°	118.5	119.7	121.1	122.5	124.0	124.5	126.6	126.6	128.0	129.1	129.7
50°	92.4	93.6	94.7	95.6	96.1	97.0	97.6	98.4	98.7	99.3	99.6
52.5°	72.3	73.8	73.8	74.3	75.2	76.0	75.8	76.0	76.3	76.3	77.2
55°	56.5	56.5	57.4	57.4	58.0	57.7	58.0	58.0	58.0	58.0	58.3
57.5°	42.2	42.5	43.3	42.8	42.5	43.0	42.5	43.0	42.8	43.3	42.5
60°	32.4	32.4	32.7	32.7	33.0	33.0	33.0	32.7	32.7	32.4	32.4
62.5°	24.4	24.7	25.0	24.7	24.7	24.7	24.4	24.4	24.1	23.8	23.8
65°	16.4	16.1	16.6	16.1	16.4	16.4	16.1	16.4	15.5	15.8	15.5
67.5°	11.8	11.5	11.2	11.5	11.2	10.9	10.9	11.2	11.5	10.6	10.6
70°	7.7	8.0	7.7	8.0	8.3	8.3	8.0	7.7	8.0	7.5	7.7
72.5°	4.9	4.9	4.9	4.9	4.9	5.2	5.2	5.2	4.6	4.6	4.3
75°	2.3	3.2	2.6	2.3	3.2	3.2	2.9	2.9	2.6	2.6	2.6
77.5°	2.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.7	1.4
80°	1.1	1.1	1.1	0.9	1.1	1.1	1.4	1.1	1.1	0.9	1.4
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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	594.3	594.1	594.3	594.6	594.3	594.1	594.3	594.6	593.5	593.2	593.8
5°	607.0	607.0	607.5	607.8	607.5	607.0	607.0	605.8	605.0	604.1	603.8
7.5°	617.9	618.4	619.0	619.3	619.0	618.4	617.9	616.1	614.4	613.0	611.8
10°	624.5	625.3	626.5	627.0	626.5	625.3	624.5	622.5	620.2	617.9	616.1
12.5°	627.3	628.2	629.6	629.3	629.6	628.2	627.3	624.5	621.9	618.7	616.1
15°	625.3	626.5	627.9	628.5	627.9	626.5	625.3	622.5	620.2	616.7	614.1
17.5°	619.0	620.7	621.6	622.5	621.6	620.7	619.0	616.7	613.6	610.7	608.1
20°	610.4	611.6	612.7	613.0	612.7	611.6	610.4	607.8	602.9	602.4	600.4
22.5°	598.1	598.9	601.5	600.6	601.5	598.9	598.1	595.8	594.1	590.9	588.9
25°	580.3	581.1	581.4	581.7	581.4	581.1	580.3	578.3	576.5	574.2	573.1
27.5°	549.6	549.6	550.1	550.4	550.1	549.6	549.6	548.1	547.0	545.8	544.7
30°	503.1	503.1	503.1	504.5	503.1	503.1	503.1	502.8	502.8	503.1	503.1
32.5°	449.4	448.8	448.3	448.8	448.3	448.8	449.4	449.7	449.4	450.3	451.7
35°	388.6	388.3	389.1	388.0	389.1	388.3	388.6	388.6	389.7	390.9	391.2
37.5°	330.3	329.7	330.9	329.7	330.9	329.7	330.3	330.0	329.7	330.3	329.5
40°	274.9	275.5	275.5	277.8	275.5	275.5	274.9	274.4	272.3	271.2	270.1
42.5°	221.8	223.6	223.0	224.7	223.0	223.6	221.8	220.7	218.4	216.4	214.7
45°	171.6	172.8	172.8	173.3	172.8	172.8	171.6	170.5	168.5	166.7	165.6
47.5°	131.7	131.7	131.7	132.0	131.7	131.7	131.7	129.7	129.1	128.0	126.6
50°	100.2	100.4	100.7	101.0	100.7	100.4	100.2	99.6	99.3	98.7	98.4
52.5°	76.9	77.2	76.6	77.2	76.6	77.2	76.9	77.2	76.3	76.3	76.0
55°	58.3	58.0	58.3	58.5	58.3	58.0	58.3	58.3	58.0	58.0	58.0
57.5°	42.8	42.2	42.2	42.2	42.2	42.2	42.8	42.5	43.3	42.8	43.0
60°	31.9	32.1	32.1	32.4	32.1	32.1	31.9	32.4	32.4	32.7	32.7
62.5°	23.5	24.4	23.8	24.4	23.8	24.4	23.5	23.8	23.8	24.1	24.4
65°	15.2	15.2	15.2	15.5	15.2	15.2	15.2	15.5	15.8	15.5	16.4
67.5°	10.3	10.6	11.2	10.9	11.2	10.6	10.3	10.6	10.6	11.5	11.2
70°	8.3	7.5	7.5	8.3	7.5	7.5	8.3	7.7	7.5	8.0	7.7
72.5°	4.9	4.3	4.9	4.9	4.9	4.3	4.9	4.3	4.6	4.6	5.2
75°	2.6	2.3	2.0	2.9	2.0	2.3	2.6	2.6	2.6	2.6	2.9
77.5°	1.7	1.4	2.0	2.0	2.0	1.4	1.7	1.4	1.7	1.4	1.7
80°	0.9	1.1	0.9	1.4	0.9	1.1	0.9	1.4	0.9	1.1	1.1
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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	593.8	592.9	593.2	591.5	591.5	590.9	591.2	589.7	589.2	588.6	589.5
5°	602.4	600.9	599.8	597.2	595.8	594.1	593.2	590.9	588.9	587.2	586.9
7.5°	609.3	606.1	604.1	600.6	598.1	596.1	593.2	590.0	587.4	585.1	583.4
10°	612.1	609.0	605.8	601.5	598.6	594.9	592.0	588.0	584.6	581.4	579.4
12.5°	612.4	608.4	605.5	600.6	596.9	592.9	589.7	585.1	581.1	578.0	574.8
15°	609.8	606.1	602.7	597.5	593.8	590.0	586.3	581.4	577.7	574.0	571.7
17.5°	604.1	600.6	596.6	591.7	588.3	584.9	580.8	576.8	572.5	568.5	565.6
20°	596.6	592.9	589.5	584.6	581.7	578.0	574.2	569.9	566.5	562.5	559.3
22.5°	585.4	582.0	578.8	576.0	571.4	568.5	565.9	561.0	557.6	553.9	550.4
25°	569.4	565.9	563.3	559.9	557.9	554.7	552.1	547.8	544.7	541.2	538.4
27.5°	543.0	541.0	539.5	537.5	535.8	534.4	532.9	529.5	527.2	524.0	521.2
30°	503.4	503.1	502.2	501.3	502.5	502.5	502.5	501.9	499.9	497.6	495.6
32.5°	452.6	453.1	454.3	455.2	457.4	460.0	462.3	463.5	463.5	462.0	461.2
35°	392.0	392.9	394.6	396.9	399.8	402.9	408.1	409.2	410.1	410.1	408.9
37.5°	329.2	328.9	330.6	332.6	334.3	336.6	340.4	341.2	342.7	342.1	340.9
40°	268.0	266.6	266.0	266.6	268.6	267.7	268.6	268.0	268.0	266.0	266.0
42.5°	211.5	209.8	208.6	207.8	207.8	205.8	204.3	202.9	202.0	200.6	200.3
45°	163.0	161.0	159.6	159.0	158.1	155.5	153.8	152.1	150.1	149.5	149.8
47.5°	126.6	124.5	124.0	122.5	121.1	119.7	118.5	116.5	116.2	115.1	116.2
50°	97.6	97.0	96.1	95.6	94.7	93.6	92.4	91.3	90.7	90.7	91.0
52.5°	75.8	76.0	75.2	74.3	73.8	73.8	72.3	72.0	72.0	70.9	72.0
55°	58.0	57.7	58.0	57.4	57.4	56.5	56.5	55.7	55.7	54.8	55.4
57.5°	42.5	43.0	42.5	42.8	43.3	42.5	42.2	41.3	41.9	41.3	41.6
60°	33.0	33.0	33.0	32.7	32.7	32.4	32.4	32.1	32.1	31.6	32.1
62.5°	24.4	24.7	24.7	24.7	25.0	24.7	24.4	24.7	24.4	24.4	24.7
65°	16.1	16.4	16.4	16.1	16.6	16.1	16.4	16.6	16.9	16.6	16.9
67.5°	10.9	10.9	11.2	11.5	11.2	11.5	11.8	11.5	11.8	12.3	11.8
70°	8.0	8.3	8.3	8.0	7.7	8.0	7.7	8.6	8.6	8.6	9.2
72.5°	5.2	5.2	4.9	4.9	4.9	4.9	4.9	5.7	5.2	4.9	5.5
75°	2.9	3.2	3.2	2.3	2.6	3.2	2.3	2.6	3.4	2.9	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.0	2.0	2.0	2.3
80°	1.4	1.1	1.1	0.9	1.1	1.1	1.1	1.7	1.4	1.4	1.7
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
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: P245814

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	587.2	587.2	586.9	586.3	585.1	585.1	584.9	584.0	583.4	583.1	583.1
5°	584.3	583.1	582.0	578.8	578.8	578.3	576.5	575.4	574.8	573.4	572.8
7.5°	581.7	578.3	576.3	574.2	571.7	570.5	568.5	567.6	565.6	564.2	563.3
10°	575.4	573.1	570.5	567.4	565.3	563.1	560.8	559.0	556.5	555.0	553.9
12.5°	571.1	567.6	565.3	561.9	558.5	556.5	553.3	551.3	548.7	545.8	544.1
15°	567.1	563.3	560.2	556.5	552.7	550.4	546.7	544.4	540.7	537.8	535.8
17.5°	561.0	557.9	554.4	549.8	546.4	543.5	539.5	536.7	533.2	529.5	527.5
20°	554.7	551.0	547.6	543.0	539.5	536.1	532.1	528.9	524.9	521.4	519.1
22.5°	546.4	542.1	539.2	534.6	530.6	526.9	523.2	519.4	515.7	512.8	510.2
25°	534.4	529.8	526.6	522.9	519.1	516.3	511.7	509.4	505.7	503.1	500.5
27.5°	517.1	513.7	510.8	507.1	503.9	501.6	498.2	495.9	492.7	490.4	488.4
30°	491.9	489.0	486.4	482.7	480.4	478.4	475.2	473.2	470.9	468.3	467.8
32.5°	458.0	455.7	453.1	450.6	448.8	447.7	445.1	444.0	441.7	440.2	438.8
35°	406.9	404.9	403.5	402.3	401.8	402.1	401.5	402.6	403.2	402.9	403.2
37.5°	340.1	338.9	339.5	340.4	343.2	347.0	350.4	355.6	359.0	362.5	365.6
40°	265.5	266.3	268.6	273.8	281.2	289.6	297.3	307.1	316.8	323.7	330.0
42.5°	200.3	202.9	208.6	216.1	227.3	239.6	251.7	266.0	277.8	289.3	297.3
45°	150.7	154.1	161.6	171.9	184.2	198.6	213.8	229.9	243.9	255.7	264.6
47.5°	117.4	120.5	128.0	138.9	154.1	169.0	184.8	201.5	216.1	227.6	235.3
50°	92.7	96.7	103.3	114.8	130.0	145.8	162.1	178.5	192.3	202.0	208.9
52.5°	72.9	76.6	82.9	95.0	110.5	126.3	141.5	157.6	169.6	179.1	183.7
55°	56.5	60.0	66.6	76.6	91.3	106.8	122.0	135.7	146.9	153.8	158.1
57.5°	43.0	45.6	50.2	60.3	73.5	87.8	100.7	114.5	123.1	128.0	130.9
60°	32.7	34.7	39.6	47.4	59.4	71.7	82.7	93.0	99.9	103.9	106.8
62.5°	24.7	27.0	30.4	37.0	46.2	56.3	65.4	73.2	78.9	81.5	83.5
65°	16.9	18.7	21.2	26.4	34.1	41.3	48.5	54.2	58.0	60.8	62.0
67.5°	12.6	13.8	15.2	19.2	24.7	30.4	35.3	39.3	43.3	44.5	46.5
70°	9.5	10.3	11.8	14.6	17.8	21.8	25.8	28.1	31.0	33.0	33.6
72.5°	6.0	6.3	7.7	9.5	12.0	14.6	17.2	19.2	21.0	22.1	22.7
75°	3.4	5.2	5.2	6.9	8.6	9.8	11.5	12.9	13.8	14.6	14.6
77.5°	2.3	3.2	3.4	4.3	5.2	6.6	8.0	8.9	9.8	10.0	10.0
80°	2.0	2.3	2.3	3.2	3.7	4.9	5.7	6.0	6.6	6.9	7.5
82.5°	0.9	1.1	1.4	2.3	2.6	2.6	3.4	3.7	4.3	4.6	4.6
85°	0.3	0.6	0.6	0.9	1.4	1.7	2.0	2.3	2.6	2.6	2.9
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.1	1.1	1.1	1.7	1.7
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: P245814

CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	582.6	582.9	581.7	581.4	580.8	581.1	581.7
5°	572.0	572.2	571.1	569.9	569.9	569.6	569.9
7.5°	561.9	562.2	560.5	559.9	558.7	559.0	559.0
10°	551.9	551.9	549.3	549.0	548.1	547.8	547.8
12.5°	542.1	541.2	539.2	538.1	538.7	536.9	536.9
15°	533.5	532.1	529.5	528.6	527.2	526.6	526.6
17.5°	524.6	523.4	521.2	519.4	517.7	517.4	517.7
20°	516.0	514.8	512.0	510.8	509.4	509.4	508.8
22.5°	507.4	506.2	503.7	502.8	500.8	500.8	501.1
25°	498.5	497.6	494.7	494.2	493.9	492.7	493.3
27.5°	486.4	485.9	483.6	482.7	481.6	481.3	481.8
30°	464.3	463.5	461.8	460.9	458.9	459.2	459.7
32.5°	436.8	435.6	433.3	432.5	430.8	430.2	430.5
35°	402.3	401.5	399.5	399.5	397.8	397.2	397.8
37.5°	367.3	368.2	367.3	368.2	367.3	367.0	367.3
40°	334.3	337.5	338.1	341.2	340.1	341.8	341.5
42.5°	302.8	307.9	309.9	312.5	312.0	313.1	314.0
45°	270.9	275.2	277.2	278.9	279.2	279.8	280.1
47.5°	240.8	244.2	244.5	246.5	246.2	246.2	247.1
50°	212.7	214.9	215.5	217.0	215.8	215.2	215.5
52.5°	186.5	188.8	188.3	188.8	187.4	186.8	187.1
55°	159.8	161.0	161.0	161.0	159.3	159.3	159.3
57.5°	132.6	132.9	132.3	132.6	132.3	130.6	130.3
60°	107.6	107.6	107.3	107.6	106.8	105.9	105.9
62.5°	84.1	84.7	85.8	84.7	84.1	84.7	83.8
65°	62.9	64.0	63.7	64.3	64.0	64.0	63.4
67.5°	47.4	47.6	47.9	48.2	48.2	48.2	48.2
70°	34.7	35.6	35.3	35.3	35.3	35.3	37.0
72.5°	23.2	24.4	24.1	24.7	24.7	25.3	24.7
75°	15.8	16.9	16.4	17.2	16.9	16.4	17.8
77.5°	10.6	11.2	11.5	11.8	11.5	11.2	11.5
80°	7.5	8.0	7.7	8.0	8.0	8.0	8.3
82.5°	4.6	5.5	5.2	5.5	5.2	5.5	5.5
85°	3.2	3.4	2.9	3.4	3.2	3.2	3.7
87.5°	2.0	1.7	1.7	2.0	1.7	2.0	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)