

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: P245953

Luminaire Tested: **LD8B15D010 ER8B159730 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245953
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 ER8B159730 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 869.0 lumens
Efficiency: N/A
Efficacy: 60.3 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

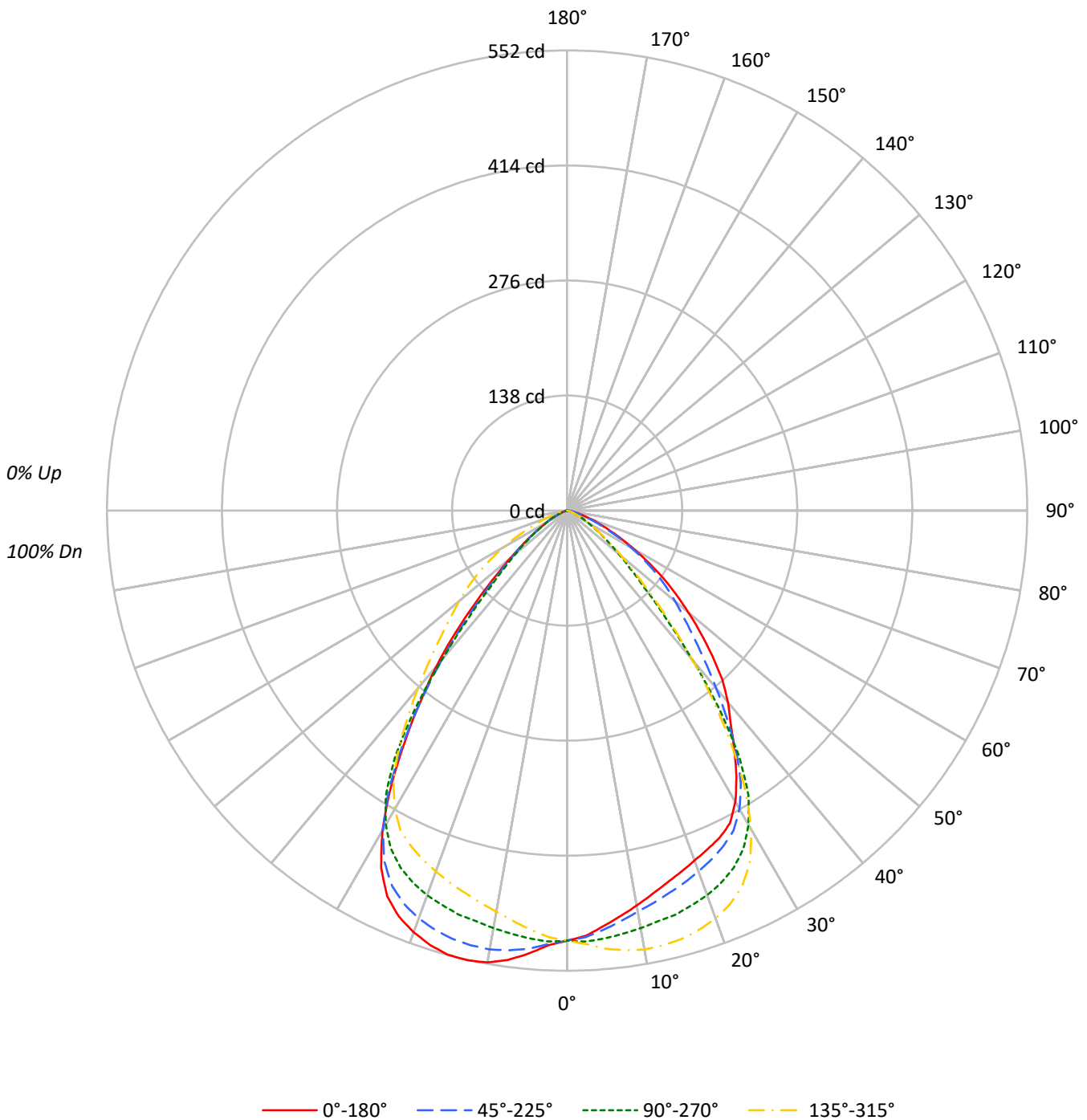
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	5.7
10°-20°	142.2	16.4
20°-30°	215.3	24.8
30°-40°	215.8	24.8
40°-50°	135.5	15.6
50°-60°	72.2	8.3
60°-70°	29.7	3.4
70°-80°	7.9	0.9
80°-90°	1.3	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°	406.6	46.8
0°-40°	622.4	71.6
0°-60°	830.1	95.5
0°-90°	869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	516	516	516	516	516	
5°	500	515	534	515	500	47
15°	462	502	552	502	462	131
25°	433	473	511	473	433	199
35°	349	359	341	359	349	219
45°	246	132	152	132	246	189
55°	140	49	51	49	140	125
65°	56	15	14	15	56	58
75°	16	3	2	3	16	18
85°	3	0	0	0	3	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°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	510.6	510.1	509.9	510.4	510.6	511.6	511.4	511.9	511.9	512.1	512.6
5°	500.3	500.0	500.3	500.3	501.3	502.3	502.0	502.8	503.3	504.6	505.1
7.5°	490.7	490.7	490.5	491.5	492.0	493.5	493.2	494.5	495.2	496.5	498.3
10°	480.9	480.9	481.1	481.9	482.1	484.4	484.4	486.2	487.2	488.4	490.7
12.5°	471.3	471.3	472.8	472.3	473.3	475.1	475.8	477.6	479.1	481.6	483.9
15°	462.2	462.2	462.7	464.0	464.8	467.0	468.3	470.3	472.1	474.6	477.9
17.5°	454.4	454.2	454.4	455.9	457.5	459.5	460.5	463.0	464.8	468.0	471.1
20°	446.6	447.1	447.1	448.4	449.4	451.9	452.9	455.7	457.7	460.7	464.3
22.5°	439.8	439.6	439.6	441.3	442.1	444.4	445.4	447.9	450.2	452.7	455.9
25°	433.0	432.5	433.5	433.8	434.3	436.8	437.6	439.3	441.6	443.9	447.1
27.5°	422.9	422.4	422.7	423.7	424.5	426.5	427.0	428.7	430.5	432.5	435.3
30°	403.5	403.0	402.8	404.6	405.3	406.8	407.6	410.6	411.1	413.4	415.4
32.5°	377.9	377.6	378.1	379.6	380.4	382.4	383.4	385.2	386.4	387.7	389.7
35°	349.1	348.6	349.1	350.7	350.7	352.4	353.2	353.9	353.7	353.9	353.4
37.5°	322.4	322.2	322.4	323.2	322.4	323.2	322.4	320.9	318.2	315.1	312.1
40°	299.8	300.0	298.5	299.5	296.7	296.2	293.5	289.7	284.2	278.1	269.5
42.5°	275.6	274.8	273.8	274.3	272.1	270.3	265.8	261.0	253.9	243.8	233.5
45°	245.9	245.6	245.1	244.9	243.3	241.6	237.8	232.3	224.4	214.1	201.8
47.5°	216.9	216.1	216.1	216.4	214.6	214.4	211.3	206.6	199.8	189.7	176.8
50°	189.2	188.9	189.4	190.4	189.2	188.7	186.7	183.4	177.3	168.8	156.7
52.5°	164.2	164.0	164.5	165.8	165.2	165.8	163.7	161.2	157.2	148.9	138.3
55°	139.8	139.8	139.8	141.3	141.3	141.3	140.3	138.8	135.0	129.0	119.2
57.5°	114.4	114.6	116.1	116.4	116.1	116.6	116.4	114.9	112.4	108.1	100.5
60°	93.0	93.0	93.7	94.5	94.2	94.5	94.5	93.7	91.2	87.7	81.6
62.5°	73.6	74.3	73.8	74.3	75.3	74.3	73.8	73.3	71.5	69.3	64.2
65°	55.7	56.2	56.2	56.4	55.9	56.2	55.2	54.4	53.4	50.9	47.6
67.5°	42.3	42.3	42.3	42.3	42.1	41.8	41.6	40.8	39.0	38.0	34.5
70°	32.5	31.0	31.0	31.0	31.0	31.2	30.5	29.5	29.0	27.2	24.7
72.5°	21.7	22.2	21.7	21.7	21.2	21.4	20.4	19.9	19.4	18.4	16.9
75°	15.6	14.4	14.9	15.1	14.4	14.9	13.9	12.8	12.8	12.1	11.3
77.5°	10.1	9.8	10.1	10.3	10.1	9.8	9.3	8.8	8.8	8.6	7.8
80°	7.3	7.1	7.1	7.1	6.8	7.1	6.6	6.6	6.0	5.8	5.3
82.5°	4.8	4.8	4.5	4.8	4.5	4.8	4.0	4.0	4.0	3.8	3.3
85°	3.3	2.8	2.8	3.0	2.5	3.0	2.8	2.5	2.3	2.3	2.0
87.5°	1.5	1.8	1.5	1.8	1.5	1.5	1.8	1.5	1.5	1.0	1.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	513.4	513.6	513.6	514.6	515.1	515.4	515.4	517.4	516.7	517.2	517.7
5°	506.1	507.6	508.1	508.1	510.9	511.9	512.9	515.1	515.4	516.9	518.7
7.5°	499.0	500.8	501.8	504.1	505.8	507.6	510.6	512.1	513.6	515.6	517.9
10°	492.2	494.2	496.2	498.0	500.8	503.1	505.1	508.6	510.4	513.1	516.1
12.5°	485.7	488.4	490.2	493.2	496.2	498.3	501.3	504.6	507.3	510.1	513.6
15°	479.9	483.2	485.2	488.4	491.7	494.5	497.8	501.8	503.8	507.1	510.4
17.5°	473.6	477.1	479.6	482.6	486.7	489.7	492.5	496.5	499.0	502.5	506.3
20°	467.0	470.6	473.6	476.6	480.6	483.7	486.9	491.0	493.7	497.3	500.3
22.5°	459.2	462.5	465.8	469.3	473.3	475.8	479.6	483.2	486.2	489.4	492.5
25°	449.1	453.2	455.7	459.0	462.2	465.0	469.0	472.6	475.1	478.1	480.9
27.5°	437.3	440.3	442.3	445.1	448.4	450.9	453.9	457.5	460.0	462.7	464.8
30°	417.1	419.9	421.7	423.7	427.0	429.2	431.8	435.0	436.8	438.8	440.6
32.5°	390.7	393.0	394.0	395.5	397.8	400.0	402.0	404.8	405.6	406.8	406.8
35°	352.4	352.9	352.7	353.2	354.2	355.4	357.2	359.0	360.0	360.0	359.2
37.5°	307.6	304.6	301.3	298.8	298.0	297.5	298.5	299.3	300.3	300.8	299.5
40°	261.0	254.2	246.9	240.3	235.8	233.8	233.0	233.5	233.5	235.3	235.3
42.5°	220.9	210.3	199.5	189.7	183.1	178.1	175.8	175.8	176.1	177.3	178.1
45°	187.7	174.3	161.7	150.9	141.8	135.3	132.3	131.5	131.2	131.7	133.5
47.5°	162.2	148.4	135.3	121.9	112.4	105.8	103.0	102.0	101.0	102.0	102.3
50°	142.3	128.0	114.1	100.8	90.7	84.9	81.4	79.8	79.6	79.6	80.1
52.5°	124.2	110.8	97.0	83.4	72.8	67.3	64.0	63.2	62.2	63.2	63.2
55°	107.1	93.7	80.1	67.3	58.4	52.7	49.6	48.6	48.1	48.9	48.9
57.5°	88.4	77.1	64.5	52.9	44.1	40.1	37.8	36.5	36.3	36.8	36.3
60°	72.5	63.0	52.1	41.6	34.8	30.5	28.7	28.2	27.7	28.2	28.2
62.5°	57.4	49.4	40.6	32.5	26.7	23.7	21.7	21.7	21.4	21.4	21.7
65°	42.6	36.3	30.0	23.2	18.6	16.4	14.9	14.9	14.6	14.9	14.6
67.5°	31.0	26.7	21.7	16.9	13.4	12.1	11.1	10.3	10.8	10.3	10.1
70°	22.7	19.1	15.6	12.8	10.3	9.1	8.3	8.1	7.6	7.6	7.6
72.5°	15.1	12.8	10.6	8.3	6.8	5.5	5.3	4.8	4.3	4.5	5.0
75°	10.1	8.6	7.6	6.0	4.5	4.5	3.0	3.0	2.5	3.0	2.3
77.5°	7.1	5.8	4.5	3.8	3.0	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.0	4.3	3.3	2.8	2.0	2.0	1.8	1.5	1.3	1.3	1.5
82.5°	3.0	2.3	2.3	2.0	1.3	1.0	0.8	1.0	0.5	0.5	0.5
85°	1.8	1.5	1.3	0.8	0.5	0.5	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	0.5	0.5	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.5
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°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	518.9	518.7	519.2	519.2	520.7	520.4	521.2	521.2	520.7	520.9	521.9
5°	520.7	521.4	522.9	524.2	526.5	527.5	528.7	530.0	530.3	531.0	531.8
7.5°	520.7	523.2	525.0	527.2	530.3	532.0	534.8	537.1	538.1	539.3	540.8
10°	519.7	522.2	525.5	528.0	531.8	534.5	537.3	540.8	542.3	544.4	546.4
12.5°	517.7	520.4	524.0	527.2	531.5	534.0	537.6	540.8	543.1	545.9	548.1
15°	514.6	517.9	521.2	524.5	529.0	532.0	535.3	539.1	541.3	544.4	546.4
17.5°	509.9	513.4	516.4	519.4	523.7	527.2	530.3	533.8	536.1	538.6	541.3
20°	504.1	507.3	510.6	513.1	517.4	520.4	523.7	527.0	528.7	529.3	533.5
22.5°	496.8	499.0	501.5	505.6	508.1	510.9	513.9	516.9	518.7	521.4	522.9
25°	484.7	486.9	489.7	491.5	494.5	496.8	499.8	503.1	504.1	506.1	507.6
27.5°	467.8	469.0	470.3	471.8	473.6	474.8	476.6	478.1	479.1	480.1	481.1
30°	441.1	441.1	441.1	440.1	440.8	441.6	441.8	441.6	441.6	441.3	441.3
32.5°	405.8	403.8	401.5	399.5	398.8	397.8	397.3	396.5	395.2	394.5	394.7
35°	358.2	353.7	350.9	348.4	346.4	344.9	344.1	343.3	343.1	342.1	341.1
37.5°	298.8	295.5	293.5	292.0	290.2	288.7	288.9	289.2	289.9	289.4	289.7
40°	235.8	235.0	235.8	234.0	233.5	234.0	235.3	237.0	238.1	239.1	240.8
42.5°	179.4	180.6	182.4	182.4	183.1	184.1	185.6	188.4	189.9	191.7	193.7
45°	135.0	136.5	138.8	139.6	140.1	141.3	143.1	145.3	146.4	147.9	149.6
47.5°	104.0	105.0	106.3	107.6	108.8	109.3	111.1	111.1	112.4	113.4	113.9
50°	81.1	82.1	83.1	83.9	84.4	85.1	85.6	86.4	86.7	87.2	87.4
52.5°	63.5	64.7	64.7	65.2	66.0	66.8	66.5	66.8	67.0	67.0	67.8
55°	49.6	49.6	50.4	50.4	50.9	50.6	50.9	50.9	50.9	50.9	51.1
57.5°	37.0	37.3	38.0	37.5	37.3	37.8	37.3	37.8	37.5	38.0	37.3
60°	28.5	28.5	28.7	28.7	29.0	29.0	29.0	28.7	28.7	28.5	28.5
62.5°	21.4	21.7	21.9	21.7	21.7	21.7	21.4	21.4	21.2	20.9	20.9
65°	14.4	14.1	14.6	14.1	14.4	14.4	14.1	14.4	13.6	13.9	13.6
67.5°	10.3	10.1	9.8	10.1	9.8	9.6	9.6	9.8	10.1	9.3	9.3
70°	6.8	7.1	6.8	7.1	7.3	7.3	7.1	6.8	7.1	6.6	6.8
72.5°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.0	4.0	3.8
75°	2.0	2.8	2.3	2.0	2.8	2.8	2.5	2.5	2.3	2.3	2.3
77.5°	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.3
80°	1.0	1.0	1.0	0.8	1.0	1.0	1.3	1.0	1.0	0.8	1.3
82.5°	0.5	0.5	0.5	0.0	0.2	0.5	0.5	0.2	0.5	0.5	0.2
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°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	521.7	521.4	521.7	521.9	521.7	521.4	521.7	521.9	520.9	520.7	521.2
5°	532.8	532.8	533.3	533.5	533.3	532.8	532.8	531.8	531.0	530.3	530.0
7.5°	542.3	542.9	543.4	543.6	543.4	542.9	542.3	540.8	539.3	538.1	537.1
10°	548.1	548.9	549.9	550.4	549.9	548.9	548.1	546.4	544.4	542.3	540.8
12.5°	550.7	551.4	552.7	552.4	552.7	551.4	550.7	548.1	545.9	543.1	540.8
15°	548.9	549.9	551.2	551.7	551.2	549.9	548.9	546.4	544.4	541.3	539.1
17.5°	543.4	544.9	545.6	546.4	545.6	544.9	543.4	541.3	538.6	536.1	533.8
20°	535.8	536.8	537.8	538.1	537.8	536.8	535.8	533.5	529.3	528.7	527.0
22.5°	525.0	525.7	528.0	527.2	528.0	525.7	525.0	522.9	521.4	518.7	516.9
25°	509.3	510.1	510.4	510.6	510.4	510.1	509.3	507.6	506.1	504.1	503.1
27.5°	482.4	482.4	482.9	483.2	482.9	482.4	482.4	481.1	480.1	479.1	478.1
30°	441.6	441.6	441.6	442.9	441.6	441.6	441.6	441.3	441.3	441.6	441.6
32.5°	394.5	394.0	393.5	394.0	393.5	394.0	394.5	394.7	394.5	395.2	396.5
35°	341.1	340.8	341.6	340.6	341.6	340.8	341.1	341.1	342.1	343.1	343.3
37.5°	289.9	289.4	290.4	289.4	290.4	289.4	289.9	289.7	289.4	289.9	289.2
40°	241.3	241.8	241.8	243.8	241.8	241.8	241.3	240.8	239.1	238.1	237.0
42.5°	194.7	196.2	195.7	197.2	195.7	196.2	194.7	193.7	191.7	189.9	188.4
45°	150.6	151.7	151.7	152.1	151.7	151.7	150.6	149.6	147.9	146.4	145.3
47.5°	115.6	115.6	115.6	115.9	115.6	115.6	115.6	113.9	113.4	112.4	111.1
50°	87.9	88.2	88.4	88.7	88.4	88.2	87.9	87.4	87.2	86.7	86.4
52.5°	67.5	67.8	67.3	67.8	67.3	67.8	67.5	67.8	67.0	67.0	66.8
55°	51.1	50.9	51.1	51.4	51.1	50.9	51.1	51.1	50.9	50.9	50.9
57.5°	37.5	37.0	37.0	37.0	37.0	37.0	37.5	37.3	38.0	37.5	37.8
60°	28.0	28.2	28.2	28.5	28.2	28.2	28.0	28.5	28.5	28.7	28.7
62.5°	20.7	21.4	20.9	21.4	20.9	21.4	20.7	20.9	20.9	21.2	21.4
65°	13.4	13.4	13.4	13.6	13.4	13.4	13.4	13.6	13.9	13.6	14.4
67.5°	9.1	9.3	9.8	9.6	9.8	9.3	9.1	9.3	9.3	10.1	9.8
70°	7.3	6.6	6.6	7.3	6.6	6.6	7.3	6.8	6.6	7.1	6.8
72.5°	4.3	3.8	4.3	4.3	4.3	3.8	4.3	3.8	4.0	4.0	4.5
75°	2.3	2.0	1.8	2.5	1.8	2.0	2.3	2.3	2.3	2.3	2.5
77.5°	1.5	1.3	1.8	1.8	1.8	1.3	1.5	1.3	1.5	1.3	1.5
80°	0.8	1.0	0.8	1.3	0.8	1.0	0.8	1.3	0.8	1.0	1.0
82.5°	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.2
85°	0.0	0.5	0.2	0.2	0.2	0.5	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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: P245953

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	521.2	520.4	520.7	519.2	519.2	518.7	518.9	517.7	517.2	516.7	517.4
5°	528.7	527.5	526.5	524.2	522.9	521.4	520.7	518.7	516.9	515.4	515.1
7.5°	534.8	532.0	530.3	527.2	525.0	523.2	520.7	517.9	515.6	513.6	512.1
10°	537.3	534.5	531.8	528.0	525.5	522.2	519.7	516.1	513.1	510.4	508.6
12.5°	537.6	534.0	531.5	527.2	524.0	520.4	517.7	513.6	510.1	507.3	504.6
15°	535.3	532.0	529.0	524.5	521.2	517.9	514.6	510.4	507.1	503.8	501.8
17.5°	530.3	527.2	523.7	519.4	516.4	513.4	509.9	506.3	502.5	499.0	496.5
20°	523.7	520.4	517.4	513.1	510.6	507.3	504.1	500.3	497.3	493.7	491.0
22.5°	513.9	510.9	508.1	505.6	501.5	499.0	496.8	492.5	489.4	486.2	483.2
25°	499.8	496.8	494.5	491.5	489.7	486.9	484.7	480.9	478.1	475.1	472.6
27.5°	476.6	474.8	473.6	471.8	470.3	469.0	467.8	464.8	462.7	460.0	457.5
30°	441.8	441.6	440.8	440.1	441.1	441.1	441.1	440.6	438.8	436.8	435.0
32.5°	397.3	397.8	398.8	399.5	401.5	403.8	405.8	406.8	406.8	405.6	404.8
35°	344.1	344.9	346.4	348.4	350.9	353.7	358.2	359.2	360.0	360.0	359.0
37.5°	288.9	288.7	290.2	292.0	293.5	295.5	298.8	299.5	300.8	300.3	299.3
40°	235.3	234.0	233.5	234.0	235.8	235.0	235.8	235.3	235.3	233.5	233.5
42.5°	185.6	184.1	183.1	182.4	182.4	180.6	179.4	178.1	177.3	176.1	175.8
45°	143.1	141.3	140.1	139.6	138.8	136.5	135.0	133.5	131.7	131.2	131.5
47.5°	111.1	109.3	108.8	107.6	106.3	105.0	104.0	102.3	102.0	101.0	102.0
50°	85.6	85.1	84.4	83.9	83.1	82.1	81.1	80.1	79.6	79.6	79.8
52.5°	66.5	66.8	66.0	65.2	64.7	64.7	63.5	63.2	63.2	62.2	63.2
55°	50.9	50.6	50.9	50.4	50.4	49.6	49.6	48.9	48.9	48.1	48.6
57.5°	37.3	37.8	37.3	37.5	38.0	37.3	37.0	36.3	36.8	36.3	36.5
60°	29.0	29.0	29.0	28.7	28.7	28.5	28.5	28.2	28.2	27.7	28.2
62.5°	21.4	21.7	21.7	21.7	21.9	21.7	21.4	21.7	21.4	21.4	21.7
65°	14.1	14.4	14.4	14.1	14.6	14.1	14.4	14.6	14.9	14.6	14.9
67.5°	9.6	9.6	9.8	10.1	9.8	10.1	10.3	10.1	10.3	10.8	10.3
70°	7.1	7.3	7.3	7.1	6.8	7.1	6.8	7.6	7.6	7.6	8.1
72.5°	4.5	4.5	4.3	4.3	4.3	4.3	4.3	5.0	4.5	4.3	4.8
75°	2.5	2.8	2.8	2.0	2.3	2.8	2.0	2.3	3.0	2.5	3.0
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.0	1.8	1.8	1.8	2.0
80°	1.3	1.0	1.0	0.8	1.0	1.0	1.0	1.5	1.3	1.3	1.5
82.5°	0.5	0.5	0.2	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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: P245953

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	515.4	515.4	515.1	514.6	513.6	513.6	513.4	512.6	512.1	511.9	511.9
5°	512.9	511.9	510.9	508.1	508.1	507.6	506.1	505.1	504.6	503.3	502.8
7.5°	510.6	507.6	505.8	504.1	501.8	500.8	499.0	498.3	496.5	495.2	494.5
10°	505.1	503.1	500.8	498.0	496.2	494.2	492.2	490.7	488.4	487.2	486.2
12.5°	501.3	498.3	496.2	493.2	490.2	488.4	485.7	483.9	481.6	479.1	477.6
15°	497.8	494.5	491.7	488.4	485.2	483.2	479.9	477.9	474.6	472.1	470.3
17.5°	492.5	489.7	486.7	482.6	479.6	477.1	473.6	471.1	468.0	464.8	463.0
20°	486.9	483.7	480.6	476.6	473.6	470.6	467.0	464.3	460.7	457.7	455.7
22.5°	479.6	475.8	473.3	469.3	465.8	462.5	459.2	455.9	452.7	450.2	447.9
25°	469.0	465.0	462.2	459.0	455.7	453.2	449.1	447.1	443.9	441.6	439.3
27.5°	453.9	450.9	448.4	445.1	442.3	440.3	437.3	435.3	432.5	430.5	428.7
30°	431.8	429.2	427.0	423.7	421.7	419.9	417.1	415.4	413.4	411.1	410.6
32.5°	402.0	400.0	397.8	395.5	394.0	393.0	390.7	389.7	387.7	386.4	385.2
35°	357.2	355.4	354.2	353.2	352.7	352.9	352.4	353.4	353.9	353.7	353.9
37.5°	298.5	297.5	298.0	298.8	301.3	304.6	307.6	312.1	315.1	318.2	320.9
40°	233.0	233.8	235.8	240.3	246.9	254.2	261.0	269.5	278.1	284.2	289.7
42.5°	175.8	178.1	183.1	189.7	199.5	210.3	220.9	233.5	243.8	253.9	261.0
45°	132.3	135.3	141.8	150.9	161.7	174.3	187.7	201.8	214.1	224.4	232.3
47.5°	103.0	105.8	112.4	121.9	135.3	148.4	162.2	176.8	189.7	199.8	206.6
50°	81.4	84.9	90.7	100.8	114.1	128.0	142.3	156.7	168.8	177.3	183.4
52.5°	64.0	67.3	72.8	83.4	97.0	110.8	124.2	138.3	148.9	157.2	161.2
55°	49.6	52.7	58.4	67.3	80.1	93.7	107.1	119.2	129.0	135.0	138.8
57.5°	37.8	40.1	44.1	52.9	64.5	77.1	88.4	100.5	108.1	112.4	114.9
60°	28.7	30.5	34.8	41.6	52.1	63.0	72.5	81.6	87.7	91.2	93.7
62.5°	21.7	23.7	26.7	32.5	40.6	49.4	57.4	64.2	69.3	71.5	73.3
65°	14.9	16.4	18.6	23.2	30.0	36.3	42.6	47.6	50.9	53.4	54.4
67.5°	11.1	12.1	13.4	16.9	21.7	26.7	31.0	34.5	38.0	39.0	40.8
70°	8.3	9.1	10.3	12.8	15.6	19.1	22.7	24.7	27.2	29.0	29.5
72.5°	5.3	5.5	6.8	8.3	10.6	12.8	15.1	16.9	18.4	19.4	19.9
75°	3.0	4.5	4.5	6.0	7.6	8.6	10.1	11.3	12.1	12.8	12.8
77.5°	2.0	2.8	3.0	3.8	4.5	5.8	7.1	7.8	8.6	8.8	8.8
80°	1.8	2.0	2.0	2.8	3.3	4.3	5.0	5.3	5.8	6.0	6.6
82.5°	0.8	1.0	1.3	2.0	2.3	2.3	3.0	3.3	3.8	4.0	4.0
85°	0.2	0.5	0.5	0.8	1.3	1.5	1.8	2.0	2.3	2.3	2.5
87.5°	0.2	0.2	0.0	0.2	0.5	0.5	1.0	1.0	1.0	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: P245953

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	515.9	515.9	515.9	515.9	515.9	515.9	515.9
2.5°	511.4	511.6	510.6	510.4	509.9	510.1	510.6
5°	502.0	502.3	501.3	500.3	500.3	500.0	500.3
7.5°	493.2	493.5	492.0	491.5	490.5	490.7	490.7
10°	484.4	484.4	482.1	481.9	481.1	480.9	480.9
12.5°	475.8	475.1	473.3	472.3	472.8	471.3	471.3
15°	468.3	467.0	464.8	464.0	462.7	462.2	462.2
17.5°	460.5	459.5	457.5	455.9	454.4	454.2	454.4
20°	452.9	451.9	449.4	448.4	447.1	447.1	446.6
22.5°	445.4	444.4	442.1	441.3	439.6	439.6	439.8
25°	437.6	436.8	434.3	433.8	433.5	432.5	433.0
27.5°	427.0	426.5	424.5	423.7	422.7	422.4	422.9
30°	407.6	406.8	405.3	404.6	402.8	403.0	403.5
32.5°	383.4	382.4	380.4	379.6	378.1	377.6	377.9
35°	353.2	352.4	350.7	350.7	349.1	348.6	349.1
37.5°	322.4	323.2	322.4	323.2	322.4	322.2	322.4
40°	293.5	296.2	296.7	299.5	298.5	300.0	299.8
42.5°	265.8	270.3	272.1	274.3	273.8	274.8	275.6
45°	237.8	241.6	243.3	244.9	245.1	245.6	245.9
47.5°	211.3	214.4	214.6	216.4	216.1	216.1	216.9
50°	186.7	188.7	189.2	190.4	189.4	188.9	189.2
52.5°	163.7	165.8	165.2	165.8	164.5	164.0	164.2
55°	140.3	141.3	141.3	141.3	139.8	139.8	139.8
57.5°	116.4	116.6	116.1	116.4	116.1	114.6	114.4
60°	94.5	94.5	94.2	94.5	93.7	93.0	93.0
62.5°	73.8	74.3	75.3	74.3	73.8	74.3	73.6
65°	55.2	56.2	55.9	56.4	56.2	56.2	55.7
67.5°	41.6	41.8	42.1	42.3	42.3	42.3	42.3
70°	30.5	31.2	31.0	31.0	31.0	31.0	32.5
72.5°	20.4	21.4	21.2	21.7	21.7	22.2	21.7
75°	13.9	14.9	14.4	15.1	14.9	14.4	15.6
77.5°	9.3	9.8	10.1	10.3	10.1	9.8	10.1
80°	6.6	7.1	6.8	7.1	7.1	7.1	7.3
82.5°	4.0	4.8	4.5	4.8	4.5	4.8	4.8
85°	2.8	3.0	2.5	3.0	2.8	2.8	3.3
87.5°	1.8	1.5	1.5	1.8	1.5	1.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)