

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: P245952

Luminaire Tested: **LD8B10D010 ER8B109730 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245952
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 ER8B109730 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: 642.0 lumens
Efficiency: N/A
Efficacy: 62.9 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

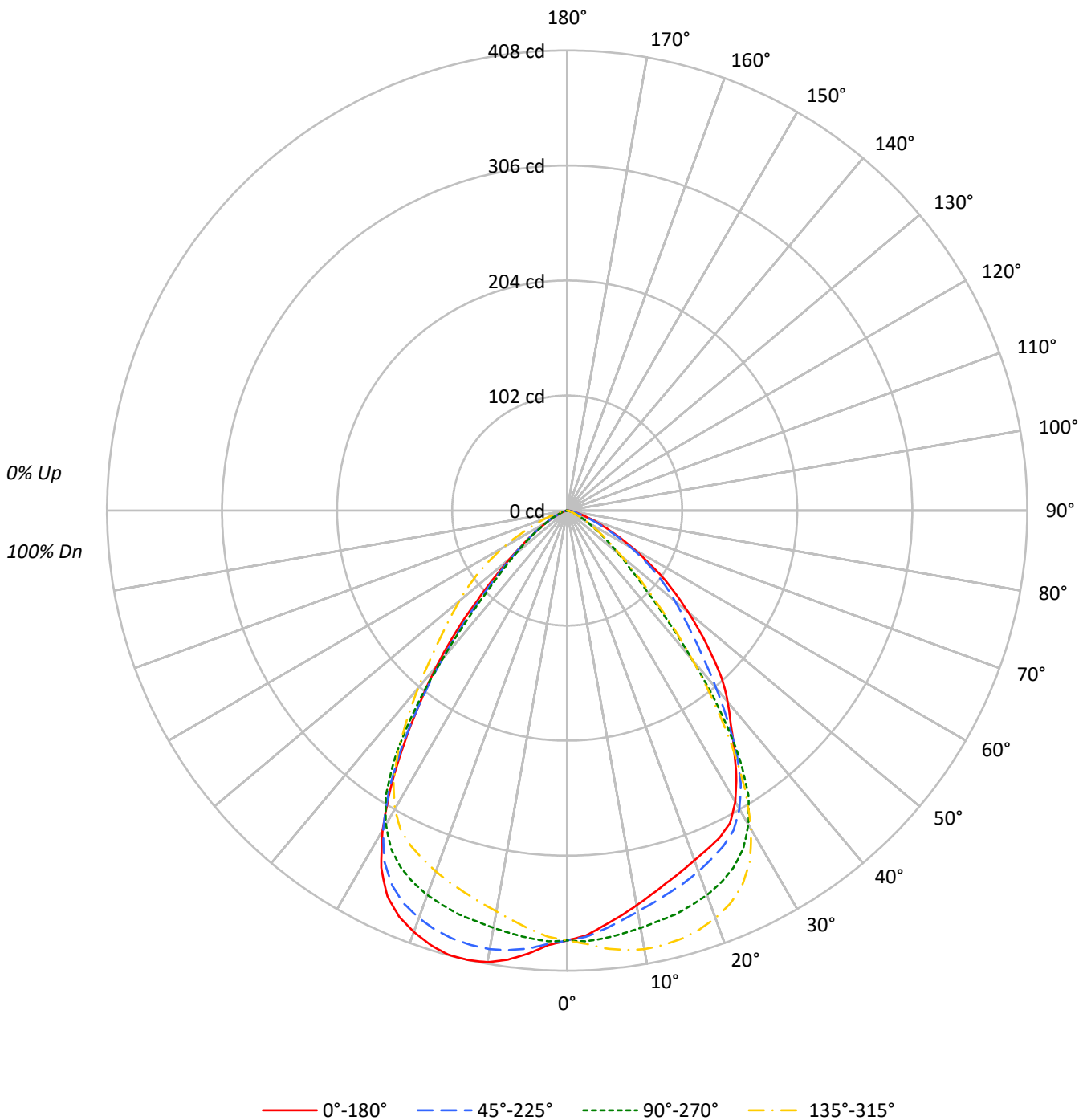
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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°	36.3	5.7
10°-20°	105.1	16.4
20°-30°	159.1	24.8
30°-40°	159.4	24.8
40°-50°	100.1	15.6
50°-60°	53.4	8.3
60°-70°	21.9	3.4
70°-80°	5.8	0.9
80°-90°	1.0	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°	300.4	46.8
0°-40°	459.8	71.6
0°-60°	613.3	95.5
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	381	381	381	381	381	
5°	370	381	394	381	370	35
15°	342	371	408	371	342	97
25°	320	349	377	349	320	147
35°	258	265	252	265	258	162
45°	182	97	112	97	182	140
55°	103	36	38	36	103	92
65°	41	11	10	11	41	43
75°	12	2	2	2	12	13
85°	2	0	0	0	2	3
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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	377.2	376.9	376.7	377.0	377.2	378.0	377.8	378.2	378.2	378.3	378.7
5°	369.6	369.4	369.6	369.6	370.3	371.1	370.9	371.5	371.8	372.8	373.1
7.5°	362.5	362.5	362.3	363.1	363.5	364.6	364.4	365.3	365.9	366.8	368.1
10°	355.3	355.3	355.5	356.0	356.2	357.9	357.9	359.2	359.9	360.9	362.5
12.5°	348.2	348.2	349.3	348.9	349.7	351.0	351.5	352.8	354.0	355.8	357.5
15°	341.5	341.5	341.9	342.8	343.4	345.0	346.0	347.5	348.8	350.6	353.0
17.5°	335.7	335.5	335.7	336.8	338.0	339.4	340.2	342.1	343.4	345.8	348.0
20°	330.0	330.3	330.3	331.3	332.0	333.9	334.6	336.7	338.1	340.4	343.0
22.5°	324.9	324.7	324.7	326.1	326.6	328.3	329.0	330.9	332.6	334.4	336.8
25°	319.9	319.5	320.3	320.5	320.8	322.7	323.3	324.6	326.2	327.9	330.3
27.5°	312.5	312.1	312.3	313.0	313.6	315.1	315.4	316.7	318.0	319.5	321.6
30°	298.1	297.8	297.6	298.9	299.4	300.6	301.1	303.3	303.7	305.4	306.9
32.5°	279.1	279.0	279.3	280.5	281.0	282.5	283.2	284.5	285.5	286.4	287.9
35°	257.9	257.6	257.9	259.1	259.1	260.4	260.9	261.5	261.3	261.5	261.1
37.5°	238.2	238.0	238.2	238.8	238.2	238.8	238.2	237.1	235.0	232.8	230.6
40°	221.5	221.6	220.5	221.3	219.2	218.9	216.8	214.0	209.9	205.5	199.1
42.5°	203.6	203.0	202.3	202.7	201.0	199.7	196.3	192.8	187.6	180.1	172.5
45°	181.6	181.5	181.1	180.9	179.8	178.5	175.7	171.6	165.8	158.2	149.1
47.5°	160.2	159.7	159.7	159.9	158.6	158.4	156.1	152.6	147.6	140.1	130.6
50°	139.8	139.6	139.9	140.7	139.8	139.4	137.9	135.5	131.0	124.7	115.8
52.5°	121.3	121.2	121.5	122.5	122.1	122.5	121.0	119.1	116.1	110.0	102.2
55°	103.3	103.3	103.3	104.4	104.4	104.4	103.7	102.5	99.7	95.3	88.0
57.5°	84.5	84.7	85.8	86.0	85.8	86.2	86.0	84.9	83.0	79.8	74.3
60°	68.7	68.7	69.2	69.8	69.6	69.8	69.8	69.2	67.4	64.8	60.3
62.5°	54.3	54.9	54.5	54.9	55.6	54.9	54.5	54.2	52.9	51.2	47.5
65°	41.1	41.5	41.5	41.7	41.3	41.5	40.8	40.2	39.5	37.6	35.2
67.5°	31.3	31.3	31.3	31.3	31.1	30.9	30.7	30.2	28.8	28.1	25.5
70°	24.0	22.9	22.9	22.9	22.9	23.1	22.5	21.8	21.4	20.1	18.2
72.5°	16.0	16.4	16.0	16.0	15.6	15.8	15.1	14.7	14.3	13.6	12.5
75°	11.5	10.6	11.0	11.2	10.6	11.0	10.2	9.5	9.5	8.9	8.4
77.5°	7.4	7.3	7.4	7.6	7.4	7.3	6.9	6.5	6.5	6.3	5.8
80°	5.4	5.2	5.2	5.2	5.0	5.2	4.8	4.8	4.5	4.3	3.9
82.5°	3.5	3.5	3.3	3.5	3.3	3.5	3.0	3.0	3.0	2.8	2.4
85°	2.4	2.0	2.0	2.2	1.9	2.2	2.0	1.9	1.7	1.7	1.5
87.5°	1.1	1.3	1.1	1.3	1.1	1.1	1.3	1.1	1.1	0.7	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	379.3	379.5	379.5	380.2	380.6	380.8	380.8	382.3	381.7	382.1	382.4
5°	373.9	375.0	375.4	375.4	377.4	378.2	378.9	380.6	380.8	381.9	383.2
7.5°	368.7	370.0	370.7	372.4	373.7	375.0	377.2	378.3	379.5	381.0	382.6
10°	363.6	365.1	366.6	367.9	370.0	371.6	373.1	375.7	377.0	379.1	381.3
12.5°	358.8	360.9	362.2	364.4	366.6	368.1	370.3	372.8	374.8	376.9	379.5
15°	354.5	356.9	358.4	360.9	363.3	365.3	367.7	370.7	372.2	374.6	377.0
17.5°	349.9	352.5	354.3	356.6	359.5	361.8	363.8	366.8	368.7	371.3	374.1
20°	345.0	347.6	349.9	352.1	355.1	357.3	359.7	362.7	364.8	367.4	369.6
22.5°	339.3	341.7	344.1	346.7	349.7	351.5	354.3	356.9	359.2	361.6	363.8
25°	331.8	334.8	336.7	339.1	341.5	343.5	346.5	349.1	351.0	353.2	355.3
27.5°	323.1	325.3	326.8	328.8	331.3	333.1	335.4	338.0	339.8	341.9	343.4
30°	308.2	310.2	311.5	313.0	315.4	317.1	319.0	321.4	322.7	324.2	325.5
32.5°	288.6	290.3	291.1	292.2	293.9	295.5	297.0	299.1	299.6	300.6	300.6
35°	260.4	260.7	260.5	260.9	261.7	262.6	263.9	265.2	265.9	265.9	265.4
37.5°	227.2	225.0	222.6	220.7	220.2	219.8	220.5	221.1	221.8	222.2	221.3
40°	192.8	187.8	182.4	177.5	174.2	172.7	172.1	172.5	172.5	173.8	173.8
42.5°	163.2	155.4	147.4	140.1	135.3	131.6	129.9	129.9	130.1	131.0	131.6
45°	138.6	128.8	119.5	111.5	104.8	99.9	97.7	97.1	97.0	97.3	98.6
47.5°	119.8	109.6	99.9	90.1	83.0	78.2	76.1	75.4	74.6	75.4	75.6
50°	105.1	94.5	84.3	74.4	67.0	62.7	60.1	59.0	58.8	58.8	59.2
52.5°	91.7	81.9	71.7	61.6	53.8	49.7	47.3	46.7	46.0	46.7	46.7
55°	79.1	69.2	59.2	49.7	43.2	38.9	36.7	35.9	35.5	36.1	36.1
57.5°	65.3	56.9	47.6	39.1	32.6	29.6	27.9	27.0	26.8	27.2	26.8
60°	53.6	46.5	38.5	30.7	25.7	22.5	21.2	20.8	20.5	20.8	20.8
62.5°	42.4	36.5	30.0	24.0	19.7	17.5	16.0	16.0	15.8	15.8	16.0
65°	31.5	26.8	22.1	17.1	13.8	12.1	11.0	11.0	10.8	11.0	10.8
67.5°	22.9	19.7	16.0	12.5	9.9	8.9	8.2	7.6	8.0	7.6	7.4
70°	16.8	14.1	11.5	9.5	7.6	6.7	6.1	6.0	5.6	5.6	5.6
72.5°	11.2	9.5	7.8	6.1	5.0	4.1	3.9	3.5	3.2	3.3	3.7
75°	7.4	6.3	5.6	4.5	3.3	3.3	2.2	2.2	1.9	2.2	1.7
77.5°	5.2	4.3	3.3	2.8	2.2	2.0	1.5	1.5	1.3	1.3	1.3
80°	3.7	3.2	2.4	2.0	1.5	1.5	1.3	1.1	0.9	0.9	1.1
82.5°	2.2	1.7	1.7	1.5	0.9	0.7	0.6	0.7	0.4	0.4	0.4
85°	1.3	1.1	0.9	0.6	0.4	0.4	0.2	0.0	0.2	0.2	0.0
87.5°	0.7	0.4	0.4	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.4
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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	383.4	383.2	383.6	383.6	384.7	384.5	385.0	385.0	384.7	384.9	385.6
5°	384.7	385.2	386.3	387.3	388.9	389.7	390.6	391.6	391.7	392.3	392.9
7.5°	384.7	386.5	387.8	389.5	391.7	393.0	395.1	396.8	397.5	398.4	399.6
10°	383.9	385.8	388.2	390.1	392.9	394.9	397.0	399.6	400.7	402.2	403.7
12.5°	382.4	384.5	387.1	389.5	392.7	394.5	397.1	399.6	401.2	403.3	405.0
15°	380.2	382.6	385.0	387.5	390.8	393.0	395.5	398.3	399.9	402.2	403.7
17.5°	376.7	379.3	381.5	383.7	386.9	389.5	391.7	394.3	396.0	397.9	399.9
20°	372.4	374.8	377.2	379.1	382.3	384.5	386.9	389.3	390.6	391.0	394.2
22.5°	367.0	368.7	370.5	373.5	375.4	377.4	379.6	381.9	383.2	385.2	386.3
25°	358.1	359.7	361.8	363.1	365.3	367.0	369.2	371.6	372.4	373.9	375.0
27.5°	345.6	346.5	347.5	348.6	349.9	350.8	352.1	353.2	354.0	354.7	355.5
30°	325.9	325.9	325.9	325.1	325.7	326.2	326.4	326.2	326.2	326.1	326.1
32.5°	299.8	298.3	296.6	295.2	294.6	293.9	293.5	292.9	292.0	291.4	291.6
35°	264.6	261.3	259.2	257.4	255.9	254.8	254.2	253.7	253.5	252.7	252.0
37.5°	220.7	218.3	216.8	215.7	214.4	213.3	213.5	213.6	214.2	213.8	214.0
40°	174.2	173.6	174.2	172.9	172.5	172.9	173.8	175.1	175.9	176.6	177.9
42.5°	132.5	133.4	134.7	134.7	135.3	136.0	137.2	139.2	140.3	141.6	143.1
45°	99.7	100.9	102.5	103.1	103.5	104.4	105.7	107.4	108.1	109.2	110.5
47.5°	76.9	77.6	78.5	79.5	80.4	80.8	82.1	82.1	83.0	83.7	84.1
50°	59.9	60.7	61.4	62.0	62.3	62.9	63.3	63.8	64.0	64.4	64.6
52.5°	46.9	47.8	47.8	48.2	48.8	49.3	49.1	49.3	49.5	49.5	50.1
55°	36.7	36.7	37.2	37.2	37.6	37.4	37.6	37.6	37.6	37.6	37.8
57.5°	27.4	27.5	28.1	27.7	27.5	27.9	27.5	27.9	27.7	28.1	27.5
60°	21.0	21.0	21.2	21.2	21.4	21.4	21.4	21.2	21.2	21.0	21.0
62.5°	15.8	16.0	16.2	16.0	16.0	16.0	15.8	15.8	15.6	15.4	15.4
65°	10.6	10.4	10.8	10.4	10.6	10.6	10.4	10.6	10.1	10.2	10.1
67.5°	7.6	7.4	7.3	7.4	7.3	7.1	7.1	7.3	7.4	6.9	6.9
70°	5.0	5.2	5.0	5.2	5.4	5.4	5.2	5.0	5.2	4.8	5.0
72.5°	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.0	3.0	2.8
75°	1.5	2.0	1.7	1.5	2.0	2.0	1.9	1.9	1.7	1.7	1.7
77.5°	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	0.9
80°	0.7	0.7	0.7	0.6	0.7	0.7	0.9	0.7	0.7	0.6	0.9
82.5°	0.4	0.4	0.4	0.0	0.2	0.4	0.4	0.2	0.4	0.4	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°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	385.4	385.2	385.4	385.6	385.4	385.2	385.4	385.6	384.9	384.7	385.0
5°	393.6	393.6	394.0	394.2	394.0	393.6	393.6	392.9	392.3	391.7	391.6
7.5°	400.7	401.1	401.4	401.6	401.4	401.1	400.7	399.6	398.4	397.5	396.8
10°	405.0	405.5	406.3	406.6	406.3	405.5	405.0	403.7	402.2	400.7	399.6
12.5°	406.8	407.4	408.3	408.1	408.3	407.4	406.8	405.0	403.3	401.2	399.6
15°	405.5	406.3	407.2	407.6	407.2	406.3	405.5	403.7	402.2	399.9	398.3
17.5°	401.4	402.5	403.1	403.7	403.1	402.5	401.4	399.9	397.9	396.0	394.3
20°	395.8	396.6	397.3	397.5	397.3	396.6	395.8	394.2	391.0	390.6	389.3
22.5°	387.8	388.4	390.1	389.5	390.1	388.4	387.8	386.3	385.2	383.2	381.9
25°	376.3	376.9	377.0	377.2	377.0	376.9	376.3	375.0	373.9	372.4	371.6
27.5°	356.4	356.4	356.8	356.9	356.8	356.4	356.4	355.5	354.7	354.0	353.2
30°	326.2	326.2	326.2	327.2	326.2	326.2	326.2	326.1	326.1	326.2	326.2
32.5°	291.4	291.1	290.7	291.1	290.7	291.1	291.4	291.6	291.4	292.0	292.9
35°	252.0	251.8	252.4	251.6	252.4	251.8	252.0	252.0	252.7	253.5	253.7
37.5°	214.2	213.8	214.6	213.8	214.6	213.8	214.2	214.0	213.8	214.2	213.6
40°	178.3	178.7	178.7	180.1	178.7	178.7	178.3	177.9	176.6	175.9	175.1
42.5°	143.9	145.0	144.6	145.7	144.6	145.0	143.9	143.1	141.6	140.3	139.2
45°	111.3	112.0	112.0	112.4	112.0	112.0	111.3	110.5	109.2	108.1	107.4
47.5°	85.4	85.4	85.4	85.6	85.4	85.4	85.4	84.1	83.7	83.0	82.1
50°	64.9	65.1	65.3	65.5	65.3	65.1	64.9	64.6	64.4	64.0	63.8
52.5°	49.9	50.1	49.7	50.1	49.7	50.1	49.9	50.1	49.5	49.5	49.3
55°	37.8	37.6	37.8	38.0	37.8	37.6	37.8	37.8	37.6	37.6	37.6
57.5°	27.7	27.4	27.4	27.4	27.4	27.4	27.7	27.5	28.1	27.7	27.9
60°	20.7	20.8	20.8	21.0	20.8	20.8	20.7	21.0	21.0	21.2	21.2
62.5°	15.3	15.8	15.4	15.8	15.4	15.8	15.3	15.4	15.4	15.6	15.8
65°	9.9	9.9	9.9	10.1	9.9	9.9	9.9	10.1	10.2	10.1	10.6
67.5°	6.7	6.9	7.3	7.1	7.3	6.9	6.7	6.9	6.9	7.4	7.3
70°	5.4	4.8	4.8	5.4	4.8	4.8	5.4	5.0	4.8	5.2	5.0
72.5°	3.2	2.8	3.2	3.2	3.2	2.8	3.2	2.8	3.0	3.0	3.3
75°	1.7	1.5	1.3	1.9	1.3	1.5	1.7	1.7	1.7	1.7	1.9
77.5°	1.1	0.9	1.3	1.3	1.3	0.9	1.1	0.9	1.1	0.9	1.1
80°	0.6	0.7	0.6	0.9	0.6	0.7	0.6	0.9	0.6	0.7	0.7
82.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.2
85°	0.0	0.4	0.2	0.2	0.2	0.4	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: P245952

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	385.0	384.5	384.7	383.6	383.6	383.2	383.4	382.4	382.1	381.7	382.3
5°	390.6	389.7	388.9	387.3	386.3	385.2	384.7	383.2	381.9	380.8	380.6
7.5°	395.1	393.0	391.7	389.5	387.8	386.5	384.7	382.6	381.0	379.5	378.3
10°	397.0	394.9	392.9	390.1	388.2	385.8	383.9	381.3	379.1	377.0	375.7
12.5°	397.1	394.5	392.7	389.5	387.1	384.5	382.4	379.5	376.9	374.8	372.8
15°	395.5	393.0	390.8	387.5	385.0	382.6	380.2	377.0	374.6	372.2	370.7
17.5°	391.7	389.5	386.9	383.7	381.5	379.3	376.7	374.1	371.3	368.7	366.8
20°	386.9	384.5	382.3	379.1	377.2	374.8	372.4	369.6	367.4	364.8	362.7
22.5°	379.6	377.4	375.4	373.5	370.5	368.7	367.0	363.8	361.6	359.2	356.9
25°	369.2	367.0	365.3	363.1	361.8	359.7	358.1	355.3	353.2	351.0	349.1
27.5°	352.1	350.8	349.9	348.6	347.5	346.5	345.6	343.4	341.9	339.8	338.0
30°	326.4	326.2	325.7	325.1	325.9	325.9	325.9	325.5	324.2	322.7	321.4
32.5°	293.5	293.9	294.6	295.2	296.6	298.3	299.8	300.6	300.6	299.6	299.1
35°	254.2	254.8	255.9	257.4	259.2	261.3	264.6	265.4	265.9	265.9	265.2
37.5°	213.5	213.3	214.4	215.7	216.8	218.3	220.7	221.3	222.2	221.8	221.1
40°	173.8	172.9	172.5	172.9	174.2	173.6	174.2	173.8	173.8	172.5	172.5
42.5°	137.2	136.0	135.3	134.7	134.7	133.4	132.5	131.6	131.0	130.1	129.9
45°	105.7	104.4	103.5	103.1	102.5	100.9	99.7	98.6	97.3	97.0	97.1
47.5°	82.1	80.8	80.4	79.5	78.5	77.6	76.9	75.6	75.4	74.6	75.4
50°	63.3	62.9	62.3	62.0	61.4	60.7	59.9	59.2	58.8	58.8	59.0
52.5°	49.1	49.3	48.8	48.2	47.8	47.8	46.9	46.7	46.7	46.0	46.7
55°	37.6	37.4	37.6	37.2	37.2	36.7	36.7	36.1	36.1	35.5	35.9
57.5°	27.5	27.9	27.5	27.7	28.1	27.5	27.4	26.8	27.2	26.8	27.0
60°	21.4	21.4	21.4	21.2	21.2	21.0	21.0	20.8	20.8	20.5	20.8
62.5°	15.8	16.0	16.0	16.0	16.2	16.0	15.8	16.0	15.8	15.8	16.0
65°	10.4	10.6	10.6	10.4	10.8	10.4	10.6	10.8	11.0	10.8	11.0
67.5°	7.1	7.1	7.3	7.4	7.3	7.4	7.6	7.4	7.6	8.0	7.6
70°	5.2	5.4	5.4	5.2	5.0	5.2	5.0	5.6	5.6	5.6	6.0
72.5°	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.7	3.3	3.2	3.5
75°	1.9	2.0	2.0	1.5	1.7	2.0	1.5	1.7	2.2	1.9	2.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.3	1.3	1.3	1.5
80°	0.9	0.7	0.7	0.6	0.7	0.7	0.7	1.1	0.9	0.9	1.1
82.5°	0.4	0.4	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
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	0.4	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: P245952

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	380.8	380.8	380.6	380.2	379.5	379.5	379.3	378.7	378.3	378.2	378.2
5°	378.9	378.2	377.4	375.4	375.4	375.0	373.9	373.1	372.8	371.8	371.5
7.5°	377.2	375.0	373.7	372.4	370.7	370.0	368.7	368.1	366.8	365.9	365.3
10°	373.1	371.6	370.0	367.9	366.6	365.1	363.6	362.5	360.9	359.9	359.2
12.5°	370.3	368.1	366.6	364.4	362.2	360.9	358.8	357.5	355.8	354.0	352.8
15°	367.7	365.3	363.3	360.9	358.4	356.9	354.5	353.0	350.6	348.8	347.5
17.5°	363.8	361.8	359.5	356.6	354.3	352.5	349.9	348.0	345.8	343.4	342.1
20°	359.7	357.3	355.1	352.1	349.9	347.6	345.0	343.0	340.4	338.1	336.7
22.5°	354.3	351.5	349.7	346.7	344.1	341.7	339.3	336.8	334.4	332.6	330.9
25°	346.5	343.5	341.5	339.1	336.7	334.8	331.8	330.3	327.9	326.2	324.6
27.5°	335.4	333.1	331.3	328.8	326.8	325.3	323.1	321.6	319.5	318.0	316.7
30°	319.0	317.1	315.4	313.0	311.5	310.2	308.2	306.9	305.4	303.7	303.3
32.5°	297.0	295.5	293.9	292.2	291.1	290.3	288.6	287.9	286.4	285.5	284.5
35°	263.9	262.6	261.7	260.9	260.5	260.7	260.4	261.1	261.5	261.3	261.5
37.5°	220.5	219.8	220.2	220.7	222.6	225.0	227.2	230.6	232.8	235.0	237.1
40°	172.1	172.7	174.2	177.5	182.4	187.8	192.8	199.1	205.5	209.9	214.0
42.5°	129.9	131.6	135.3	140.1	147.4	155.4	163.2	172.5	180.1	187.6	192.8
45°	97.7	99.9	104.8	111.5	119.5	128.8	138.6	149.1	158.2	165.8	171.6
47.5°	76.1	78.2	83.0	90.1	99.9	109.6	119.8	130.6	140.1	147.6	152.6
50°	60.1	62.7	67.0	74.4	84.3	94.5	105.1	115.8	124.7	131.0	135.5
52.5°	47.3	49.7	53.8	61.6	71.7	81.9	91.7	102.2	110.0	116.1	119.1
55°	36.7	38.9	43.2	49.7	59.2	69.2	79.1	88.0	95.3	99.7	102.5
57.5°	27.9	29.6	32.6	39.1	47.6	56.9	65.3	74.3	79.8	83.0	84.9
60°	21.2	22.5	25.7	30.7	38.5	46.5	53.6	60.3	64.8	67.4	69.2
62.5°	16.0	17.5	19.7	24.0	30.0	36.5	42.4	47.5	51.2	52.9	54.2
65°	11.0	12.1	13.8	17.1	22.1	26.8	31.5	35.2	37.6	39.5	40.2
67.5°	8.2	8.9	9.9	12.5	16.0	19.7	22.9	25.5	28.1	28.8	30.2
70°	6.1	6.7	7.6	9.5	11.5	14.1	16.8	18.2	20.1	21.4	21.8
72.5°	3.9	4.1	5.0	6.1	7.8	9.5	11.2	12.5	13.6	14.3	14.7
75°	2.2	3.3	3.3	4.5	5.6	6.3	7.4	8.4	8.9	9.5	9.5
77.5°	1.5	2.0	2.2	2.8	3.3	4.3	5.2	5.8	6.3	6.5	6.5
80°	1.3	1.5	1.5	2.0	2.4	3.2	3.7	3.9	4.3	4.5	4.8
82.5°	0.6	0.7	0.9	1.5	1.7	1.7	2.2	2.4	2.8	3.0	3.0
85°	0.2	0.4	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.7	1.9
87.5°	0.2	0.2	0.0	0.2	0.4	0.4	0.7	0.7	0.7	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



TEST NUMBER: P245952

CATALOG NUMBER: LD8B10D010 ER8B109730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	377.8	378.0	377.2	377.0	376.7	376.9	377.2
5°	370.9	371.1	370.3	369.6	369.6	369.4	369.6
7.5°	364.4	364.6	363.5	363.1	362.3	362.5	362.5
10°	357.9	357.9	356.2	356.0	355.5	355.3	355.3
12.5°	351.5	351.0	349.7	348.9	349.3	348.2	348.2
15°	346.0	345.0	343.4	342.8	341.9	341.5	341.5
17.5°	340.2	339.4	338.0	336.8	335.7	335.5	335.7
20°	334.6	333.9	332.0	331.3	330.3	330.3	330.0
22.5°	329.0	328.3	326.6	326.1	324.7	324.7	324.9
25°	323.3	322.7	320.8	320.5	320.3	319.5	319.9
27.5°	315.4	315.1	313.6	313.0	312.3	312.1	312.5
30°	301.1	300.6	299.4	298.9	297.6	297.8	298.1
32.5°	283.2	282.5	281.0	280.5	279.3	279.0	279.1
35°	260.9	260.4	259.1	259.1	257.9	257.6	257.9
37.5°	238.2	238.8	238.2	238.8	238.2	238.0	238.2
40°	216.8	218.9	219.2	221.3	220.5	221.6	221.5
42.5°	196.3	199.7	201.0	202.7	202.3	203.0	203.6
45°	175.7	178.5	179.8	180.9	181.1	181.5	181.6
47.5°	156.1	158.4	158.6	159.9	159.7	159.7	160.2
50°	137.9	139.4	139.8	140.7	139.9	139.6	139.8
52.5°	121.0	122.5	122.1	122.5	121.5	121.2	121.3
55°	103.7	104.4	104.4	104.4	103.3	103.3	103.3
57.5°	86.0	86.2	85.8	86.0	85.8	84.7	84.5
60°	69.8	69.8	69.6	69.8	69.2	68.7	68.7
62.5°	54.5	54.9	55.6	54.9	54.5	54.9	54.3
65°	40.8	41.5	41.3	41.7	41.5	41.5	41.1
67.5°	30.7	30.9	31.1	31.3	31.3	31.3	31.3
70°	22.5	23.1	22.9	22.9	22.9	22.9	24.0
72.5°	15.1	15.8	15.6	16.0	16.0	16.4	16.0
75°	10.2	11.0	10.6	11.2	11.0	10.6	11.5
77.5°	6.9	7.3	7.4	7.6	7.4	7.3	7.4
80°	4.8	5.2	5.0	5.2	5.2	5.2	5.4
82.5°	3.0	3.5	3.3	3.5	3.3	3.5	3.5
85°	2.0	2.2	1.9	2.2	2.0	2.0	2.4
87.5°	1.3	1.1	1.1	1.3	1.1	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)