

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: **LSR8B10D010 EC8B10930 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: LSR8B10D010 EC8B10930 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 719.7 lumens
Efficiency: N/A
Efficacy: 70.6 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

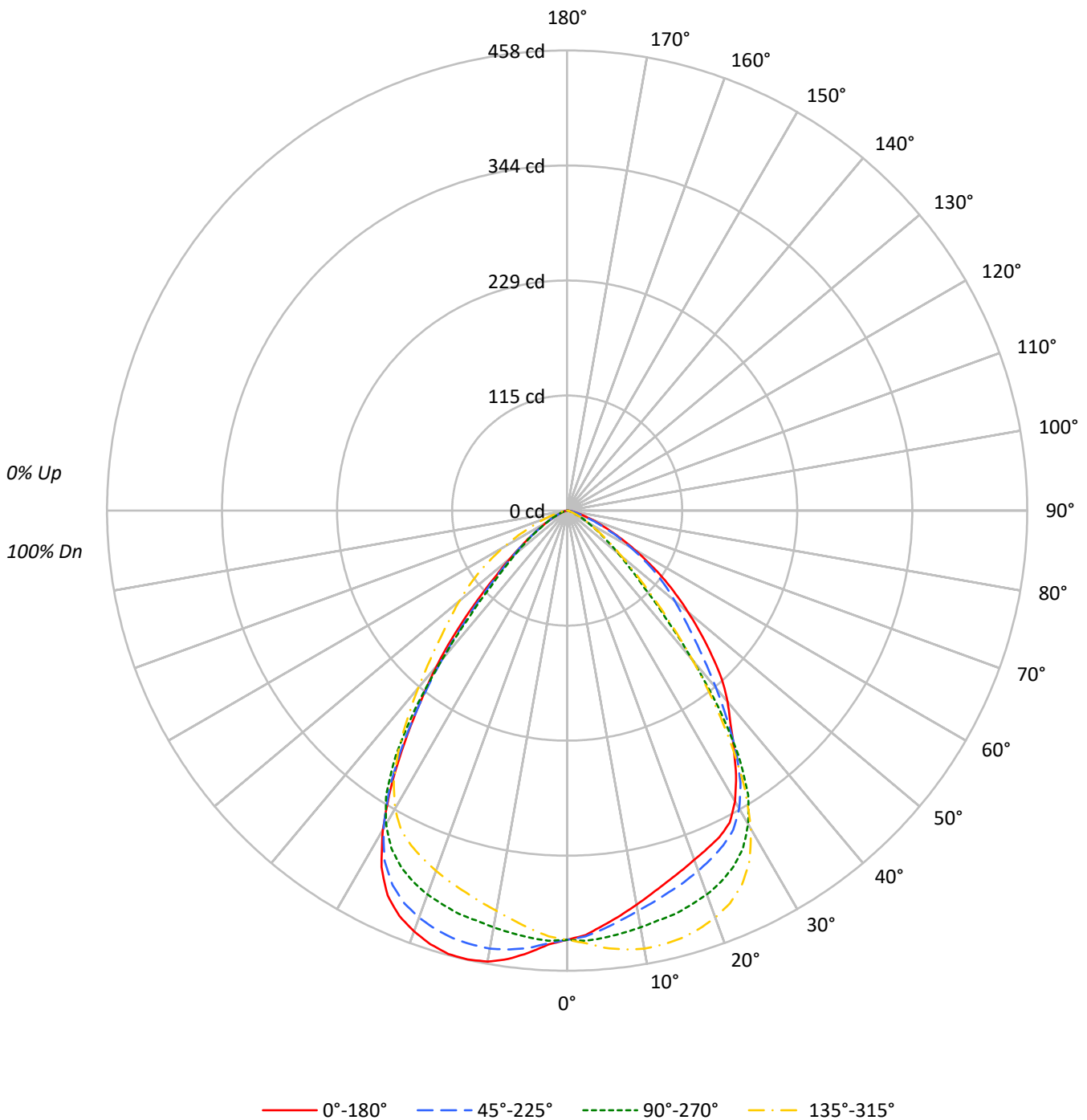
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245952

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P245952

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0B

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°				



TEST NUMBER: P245952

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	5.7
10°-20°	117.8	16.4
20°-30°	178.3	24.8
30°-40°	178.7	24.8
40°-50°	112.2	15.6
50°-60°	59.8	8.3
60°-70°	24.6	3.4
70°-80°	6.5	0.9
80°-90°	1.1	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°	336.7	46.8
0°-40°	515.5	71.6
0°-60°	687.5	95.5
0°-90°	719.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	719.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	427	427	427	427	427	
5°	414	427	442	427	414	39
15°	383	416	457	416	383	108
25°	359	391	423	391	359	164
35°	289	297	282	297	289	181
45°	204	109	126	109	204	157
55°	116	40	43	40	116	103
65°	46	12	11	12	46	48
75°	13	2	2	2	13	15
85°	3	0	0	0	3	3
90°	0	0	0	0	0	



TEST NUMBER: P245952

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	422.8	422.5	422.3	422.6	422.8	423.7	423.5	424.0	424.0	424.1	424.5
5°	414.3	414.1	414.3	414.3	415.1	416.0	415.8	416.5	416.8	417.9	418.2
7.5°	406.4	406.4	406.1	407.0	407.5	408.7	408.5	409.5	410.2	411.2	412.6
10°	398.3	398.3	398.5	399.1	399.3	401.2	401.2	402.7	403.4	404.6	406.4
12.5°	390.3	390.3	391.6	391.1	392.0	393.5	394.0	395.5	396.8	398.9	400.8
15°	382.8	382.8	383.3	384.3	385.0	386.7	387.9	389.5	391.0	393.0	395.7
17.5°	376.3	376.1	376.3	377.6	378.9	380.5	381.4	383.5	385.0	387.6	390.1
20°	369.9	370.3	370.3	371.4	372.2	374.3	375.1	377.4	379.0	381.6	384.5
22.5°	364.2	364.0	364.0	365.6	366.1	368.0	368.8	370.9	372.8	374.9	377.6
25°	358.6	358.2	359.1	359.3	359.6	361.7	362.4	363.9	365.7	367.6	370.3
27.5°	350.3	349.9	350.1	350.9	351.5	353.2	353.6	355.0	356.5	358.2	360.5
30°	334.2	333.8	333.6	335.1	335.6	337.0	337.5	340.0	340.4	342.4	344.0
32.5°	312.9	312.8	313.1	314.4	315.0	316.7	317.5	318.9	320.0	321.1	322.7
35°	289.1	288.8	289.1	290.5	290.5	291.9	292.5	293.1	292.9	293.1	292.7
37.5°	267.0	266.8	267.0	267.7	267.0	267.7	267.0	265.8	263.4	261.0	258.5
40°	248.3	248.4	247.2	248.1	245.7	245.4	243.0	239.9	235.3	230.4	223.2
42.5°	228.2	227.6	226.8	227.2	225.3	223.9	220.1	216.1	210.3	201.9	193.4
45°	203.6	203.5	203.0	202.8	201.6	200.1	197.0	192.4	185.9	177.3	167.1
47.5°	179.6	179.0	179.0	179.2	177.8	177.6	175.0	171.1	165.5	157.1	146.4
50°	156.7	156.5	156.8	157.7	156.7	156.3	154.6	151.9	146.9	139.8	129.8
52.5°	136.0	135.9	136.2	137.3	136.9	137.3	135.6	133.5	130.1	123.3	114.6
55°	115.8	115.8	115.8	117.0	117.0	117.0	116.2	114.9	111.8	106.8	98.6
57.5°	94.7	94.9	96.2	96.4	96.2	96.6	96.4	95.2	93.0	89.5	83.3
60°	77.0	77.0	77.6	78.2	78.0	78.2	78.2	77.6	75.6	72.6	67.6
62.5°	60.9	61.5	61.1	61.5	62.3	61.5	61.1	60.8	59.3	57.4	53.2
65°	46.1	46.5	46.5	46.7	46.3	46.5	45.7	45.1	44.3	42.1	39.5
67.5°	35.1	35.1	35.1	35.1	34.9	34.6	34.4	33.9	32.3	31.5	28.6
70°	26.9	25.7	25.7	25.7	25.7	25.9	25.2	24.4	24.0	22.5	20.4
72.5°	17.9	18.4	17.9	17.9	17.5	17.7	16.9	16.5	16.0	15.2	14.0
75°	12.9	11.9	12.3	12.6	11.9	12.3	11.4	10.6	10.6	10.0	9.4
77.5°	8.3	8.2	8.3	8.5	8.3	8.2	7.7	7.3	7.3	7.1	6.5
80°	6.1	5.8	5.8	5.8	5.6	5.8	5.4	5.4	5.0	4.8	4.4
82.5°	3.9	3.9	3.7	3.9	3.7	3.9	3.4	3.4	3.4	3.1	2.7
85°	2.7	2.2	2.2	2.5	2.1	2.5	2.2	2.1	1.9	1.9	1.7
87.5°	1.2	1.5	1.2	1.5	1.2	1.2	1.5	1.2	1.2	0.8	0.8
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: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	425.2	425.4	425.4	426.2	426.7	426.9	426.9	428.6	427.9	428.3	428.7
5°	419.1	420.4	420.8	420.8	423.1	424.0	424.7	426.7	426.9	428.1	429.6
7.5°	413.3	414.8	415.6	417.5	418.9	420.4	422.8	424.1	425.4	427.1	428.9
10°	407.6	409.3	411.0	412.4	414.8	416.6	418.2	421.2	422.6	425.0	427.4
12.5°	402.2	404.6	406.0	408.5	411.0	412.6	415.1	417.9	420.2	422.5	425.4
15°	397.4	400.1	401.8	404.6	407.3	409.5	412.2	415.6	417.2	419.9	422.6
17.5°	392.2	395.2	397.2	399.7	403.0	405.6	407.8	411.2	413.3	416.2	419.4
20°	386.7	389.7	392.2	394.7	398.1	400.5	403.2	406.6	408.9	411.9	414.3
22.5°	380.4	383.0	385.7	388.7	392.0	394.0	397.2	400.1	402.7	405.4	407.8
25°	371.9	375.3	377.4	380.1	382.8	385.1	388.4	391.3	393.5	395.9	398.3
27.5°	362.2	364.7	366.3	368.6	371.4	373.4	376.0	378.9	380.9	383.3	385.0
30°	345.5	347.7	349.2	350.9	353.6	355.5	357.6	360.3	361.7	363.4	364.9
32.5°	323.5	325.4	326.3	327.6	329.5	331.3	332.9	335.3	335.9	337.0	337.0
35°	291.9	292.2	292.0	292.5	293.4	294.4	295.8	297.3	298.1	298.1	297.5
37.5°	254.7	252.2	249.5	247.4	246.8	246.4	247.2	247.9	248.6	249.1	248.1
40°	216.1	210.5	204.5	199.0	195.3	193.6	192.9	193.4	193.4	194.8	194.8
42.5°	182.9	174.2	165.2	157.1	151.7	147.5	145.6	145.6	145.8	146.9	147.5
45°	155.4	144.4	134.0	125.0	117.5	112.0	109.5	108.8	108.7	109.1	110.5
47.5°	134.3	122.9	112.0	101.0	93.0	87.7	85.3	84.5	83.6	84.5	84.7
50°	117.8	105.9	94.5	83.4	75.1	70.3	67.4	66.1	65.9	65.9	66.4
52.5°	102.8	91.8	80.4	69.1	60.3	55.7	53.0	52.4	51.6	52.4	52.4
55°	88.7	77.6	66.4	55.7	48.4	43.6	41.1	40.2	39.8	40.5	40.5
57.5°	73.2	63.8	53.4	43.8	36.5	33.2	31.3	30.3	30.0	30.5	30.0
60°	60.1	52.1	43.2	34.4	28.8	25.2	23.8	23.3	23.0	23.3	23.3
62.5°	47.5	40.9	33.6	26.9	22.1	19.6	17.9	17.9	17.7	17.7	17.9
65°	35.3	30.0	24.8	19.2	15.5	13.6	12.3	12.3	12.1	12.3	12.1
67.5°	25.7	22.1	17.9	14.0	11.1	10.0	9.2	8.5	9.0	8.5	8.3
70°	18.8	15.8	12.9	10.6	8.5	7.5	6.8	6.7	6.3	6.3	6.3
72.5°	12.6	10.6	8.7	6.8	5.6	4.6	4.4	3.9	3.6	3.7	4.1
75°	8.3	7.1	6.3	5.0	3.7	3.7	2.5	2.5	2.1	2.5	1.9
77.5°	5.8	4.8	3.7	3.1	2.5	2.2	1.7	1.7	1.5	1.5	1.5
80°	4.1	3.6	2.7	2.2	1.7	1.7	1.5	1.2	1.0	1.0	1.2
82.5°	2.5	1.9	1.9	1.7	1.0	0.8	0.7	0.8	0.4	0.4	0.4
85°	1.5	1.2	1.0	0.7	0.4	0.4	0.2	0.0	0.2	0.2	0.0
87.5°	0.8	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



TEST NUMBER: P245952

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	429.8	429.6	430.0	430.0	431.2	431.0	431.6	431.6	431.2	431.5	432.3
5°	431.2	431.8	433.0	434.2	436.0	436.9	437.9	439.0	439.1	439.8	440.4
7.5°	431.2	433.3	434.7	436.6	439.1	440.6	442.9	444.8	445.6	446.6	448.0
10°	430.4	432.5	435.2	437.3	440.4	442.7	445.0	448.0	449.2	450.9	452.5
12.5°	428.7	431.0	433.9	436.6	440.2	442.2	445.1	448.0	449.7	452.1	454.0
15°	426.2	428.9	431.6	434.4	438.1	440.6	443.4	446.5	448.3	450.9	452.5
17.5°	422.3	425.2	427.7	430.1	433.7	436.6	439.1	442.0	443.9	446.0	448.3
20°	417.5	420.2	422.8	425.0	428.6	431.0	433.7	436.4	437.9	438.3	441.9
22.5°	411.4	413.3	415.3	418.7	420.8	423.1	425.5	428.1	429.6	431.8	433.0
25°	401.4	403.2	405.6	407.0	409.5	411.4	413.9	416.6	417.5	419.1	420.4
27.5°	387.4	388.4	389.5	390.8	392.2	393.2	394.7	395.9	396.8	397.6	398.5
30°	365.3	365.3	365.3	364.4	365.1	365.7	365.9	365.7	365.7	365.6	365.6
32.5°	336.1	334.4	332.5	330.9	330.2	329.5	329.0	328.3	327.3	326.7	326.9
35°	296.6	292.9	290.6	288.5	286.9	285.6	285.0	284.4	284.2	283.3	282.5
37.5°	247.4	244.7	243.0	241.8	240.3	239.1	239.3	239.4	240.1	239.7	239.9
40°	195.3	194.6	195.3	193.8	193.4	193.8	194.8	196.3	197.2	198.0	199.4
42.5°	148.5	149.5	151.0	151.0	151.7	152.5	153.8	156.0	157.3	158.7	160.4
45°	111.8	113.1	114.9	115.6	116.0	117.0	118.5	120.4	121.2	122.4	123.9
47.5°	86.2	87.0	88.0	89.1	90.1	90.6	92.0	92.0	93.0	93.8	94.3
50°	67.1	68.0	68.8	69.5	69.8	70.5	71.0	71.5	71.7	72.2	72.4
52.5°	52.6	53.6	53.6	54.0	54.7	55.3	55.0	55.3	55.5	55.5	56.2
55°	41.1	41.1	41.7	41.7	42.1	41.9	42.1	42.1	42.1	42.1	42.4
57.5°	30.7	30.8	31.5	31.1	30.8	31.3	30.8	31.3	31.1	31.5	30.8
60°	23.5	23.5	23.8	23.8	24.0	24.0	24.0	23.8	23.8	23.5	23.5
62.5°	17.7	17.9	18.2	17.9	17.9	17.9	17.7	17.7	17.5	17.3	17.3
65°	11.9	11.7	12.1	11.7	11.9	11.9	11.7	11.9	11.3	11.4	11.3
67.5°	8.5	8.3	8.2	8.3	8.2	8.0	8.0	8.2	8.3	7.7	7.7
70°	5.6	5.8	5.6	5.8	6.1	6.1	5.8	5.6	5.8	5.4	5.6
72.5°	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.4	3.4	3.1
75°	1.7	2.2	1.9	1.7	2.2	2.2	2.1	2.1	1.9	1.9	1.9
77.5°	1.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.2	1.0
80°	0.8	0.8	0.8	0.7	0.8	0.8	1.0	0.8	0.8	0.7	1.0
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



TEST NUMBER: P245952

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	432.0	431.8	432.0	432.3	432.0	431.8	432.0	432.3	431.5	431.2	431.6
5°	441.2	441.2	441.7	441.9	441.7	441.2	441.2	440.4	439.8	439.1	439.0
7.5°	449.2	449.6	450.0	450.2	450.0	449.6	449.2	448.0	446.6	445.6	444.8
10°	454.0	454.6	455.5	455.8	455.5	454.6	454.0	452.5	450.9	449.2	448.0
12.5°	456.0	456.7	457.7	457.5	457.7	456.7	456.0	454.0	452.1	449.7	448.0
15°	454.6	455.5	456.5	456.9	456.5	455.5	454.6	452.5	450.9	448.3	446.5
17.5°	450.0	451.2	451.9	452.5	451.9	451.2	450.0	448.3	446.0	443.9	442.0
20°	443.7	444.6	445.4	445.6	445.4	444.6	443.7	441.9	438.3	437.9	436.4
22.5°	434.7	435.4	437.3	436.6	437.3	435.4	434.7	433.0	431.8	429.6	428.1
25°	421.8	422.5	422.6	422.8	422.6	422.5	421.8	420.4	419.1	417.5	416.6
27.5°	399.5	399.5	400.0	400.1	400.0	399.5	399.5	398.5	397.6	396.8	395.9
30°	365.7	365.7	365.7	366.8	365.7	365.7	365.7	365.6	365.6	365.7	365.7
32.5°	326.7	326.3	325.9	326.3	325.9	326.3	326.7	326.9	326.7	327.3	328.3
35°	282.5	282.3	282.9	282.0	282.9	282.3	282.5	282.5	283.3	284.2	284.4
37.5°	240.1	239.7	240.6	239.7	240.6	239.7	240.1	239.9	239.7	240.1	239.4
40°	199.9	200.3	200.3	201.9	200.3	200.3	199.9	199.4	198.0	197.2	196.3
42.5°	161.3	162.5	162.1	163.3	162.1	162.5	161.3	160.4	158.7	157.3	156.0
45°	124.8	125.6	125.6	126.0	125.6	125.6	124.8	123.9	122.4	121.2	120.4
47.5°	95.7	95.7	95.7	96.0	95.7	95.7	95.7	94.3	93.8	93.0	92.0
50°	72.8	73.0	73.2	73.4	73.2	73.0	72.8	72.4	72.2	71.7	71.5
52.5°	55.9	56.2	55.7	56.2	55.7	56.2	55.9	56.2	55.5	55.5	55.3
55°	42.4	42.1	42.4	42.6	42.4	42.1	42.4	42.4	42.1	42.1	42.1
57.5°	31.1	30.7	30.7	30.7	30.7	30.7	31.1	30.8	31.5	31.1	31.3
60°	23.2	23.3	23.3	23.5	23.3	23.3	23.2	23.5	23.5	23.8	23.8
62.5°	17.2	17.7	17.3	17.7	17.3	17.7	17.2	17.3	17.3	17.5	17.7
65°	11.1	11.1	11.1	11.3	11.1	11.1	11.1	11.3	11.4	11.3	11.9
67.5°	7.5	7.7	8.2	8.0	8.2	7.7	7.5	7.7	7.7	8.3	8.2
70°	6.1	5.4	5.4	6.1	5.4	5.4	6.1	5.6	5.4	5.8	5.6
72.5°	3.6	3.1	3.6	3.6	3.6	3.1	3.6	3.1	3.4	3.4	3.7
75°	1.9	1.7	1.5	2.1	1.5	1.7	1.9	1.9	1.9	1.9	2.1
77.5°	1.2	1.0	1.5	1.5	1.5	1.0	1.2	1.0	1.2	1.0	1.2
80°	0.7	0.8	0.7	1.0	0.7	0.8	0.7	1.0	0.7	0.8	0.8
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: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	431.6	431.0	431.2	430.0	430.0	429.6	429.8	428.7	428.3	427.9	428.6
5°	437.9	436.9	436.0	434.2	433.0	431.8	431.2	429.6	428.1	426.9	426.7
7.5°	442.9	440.6	439.1	436.6	434.7	433.3	431.2	428.9	427.1	425.4	424.1
10°	445.0	442.7	440.4	437.3	435.2	432.5	430.4	427.4	425.0	422.6	421.2
12.5°	445.1	442.2	440.2	436.6	433.9	431.0	428.7	425.4	422.5	420.2	417.9
15°	443.4	440.6	438.1	434.4	431.6	428.9	426.2	422.6	419.9	417.2	415.6
17.5°	439.1	436.6	433.7	430.1	427.7	425.2	422.3	419.4	416.2	413.3	411.2
20°	433.7	431.0	428.6	425.0	422.8	420.2	417.5	414.3	411.9	408.9	406.6
22.5°	425.5	423.1	420.8	418.7	415.3	413.3	411.4	407.8	405.4	402.7	400.1
25°	413.9	411.4	409.5	407.0	405.6	403.2	401.4	398.3	395.9	393.5	391.3
27.5°	394.7	393.2	392.2	390.8	389.5	388.4	387.4	385.0	383.3	380.9	378.9
30°	365.9	365.7	365.1	364.4	365.3	365.3	365.3	364.9	363.4	361.7	360.3
32.5°	329.0	329.5	330.2	330.9	332.5	334.4	336.1	337.0	337.0	335.9	335.3
35°	285.0	285.6	286.9	288.5	290.6	292.9	296.6	297.5	298.1	298.1	297.3
37.5°	239.3	239.1	240.3	241.8	243.0	244.7	247.4	248.1	249.1	248.6	247.9
40°	194.8	193.8	193.4	193.8	195.3	194.6	195.3	194.8	194.8	193.4	193.4
42.5°	153.8	152.5	151.7	151.0	151.0	149.5	148.5	147.5	146.9	145.8	145.6
45°	118.5	117.0	116.0	115.6	114.9	113.1	111.8	110.5	109.1	108.7	108.8
47.5°	92.0	90.6	90.1	89.1	88.0	87.0	86.2	84.7	84.5	83.6	84.5
50°	71.0	70.5	69.8	69.5	68.8	68.0	67.1	66.4	65.9	65.9	66.1
52.5°	55.0	55.3	54.7	54.0	53.6	53.6	52.6	52.4	52.4	51.6	52.4
55°	42.1	41.9	42.1	41.7	41.7	41.1	41.1	40.5	40.5	39.8	40.2
57.5°	30.8	31.3	30.8	31.1	31.5	30.8	30.7	30.0	30.5	30.0	30.3
60°	24.0	24.0	24.0	23.8	23.8	23.5	23.5	23.3	23.3	23.0	23.3
62.5°	17.7	17.9	17.9	17.9	18.2	17.9	17.7	17.9	17.7	17.7	17.9
65°	11.7	11.9	11.9	11.7	12.1	11.7	11.9	12.1	12.3	12.1	12.3
67.5°	8.0	8.0	8.2	8.3	8.2	8.3	8.5	8.3	8.5	9.0	8.5
70°	5.8	6.1	6.1	5.8	5.6	5.8	5.6	6.3	6.3	6.3	6.7
72.5°	3.7	3.7	3.6	3.6	3.6	3.6	3.6	4.1	3.7	3.6	3.9
75°	2.1	2.2	2.2	1.7	1.9	2.2	1.7	1.9	2.5	2.1	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.5	1.5	1.5	1.7
80°	1.0	0.8	0.8	0.7	0.8	0.8	0.8	1.2	1.0	1.0	1.2
82.5°	0.4	0.4	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
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: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	426.9	426.9	426.7	426.2	425.4	425.4	425.2	424.5	424.1	424.0	424.0
5°	424.7	424.0	423.1	420.8	420.8	420.4	419.1	418.2	417.9	416.8	416.5
7.5°	422.8	420.4	418.9	417.5	415.6	414.8	413.3	412.6	411.2	410.2	409.5
10°	418.2	416.6	414.8	412.4	411.0	409.3	407.6	406.4	404.6	403.4	402.7
12.5°	415.1	412.6	411.0	408.5	406.0	404.6	402.2	400.8	398.9	396.8	395.5
15°	412.2	409.5	407.3	404.6	401.8	400.1	397.4	395.7	393.0	391.0	389.5
17.5°	407.8	405.6	403.0	399.7	397.2	395.2	392.2	390.1	387.6	385.0	383.5
20°	403.2	400.5	398.1	394.7	392.2	389.7	386.7	384.5	381.6	379.0	377.4
22.5°	397.2	394.0	392.0	388.7	385.7	383.0	380.4	377.6	374.9	372.8	370.9
25°	388.4	385.1	382.8	380.1	377.4	375.3	371.9	370.3	367.6	365.7	363.9
27.5°	376.0	373.4	371.4	368.6	366.3	364.7	362.2	360.5	358.2	356.5	355.0
30°	357.6	355.5	353.6	350.9	349.2	347.7	345.5	344.0	342.4	340.4	340.0
32.5°	332.9	331.3	329.5	327.6	326.3	325.4	323.5	322.7	321.1	320.0	318.9
35°	295.8	294.4	293.4	292.5	292.0	292.2	291.9	292.7	293.1	292.9	293.1
37.5°	247.2	246.4	246.8	247.4	249.5	252.2	254.7	258.5	261.0	263.4	265.8
40°	192.9	193.6	195.3	199.0	204.5	210.5	216.1	223.2	230.4	235.3	239.9
42.5°	145.6	147.5	151.7	157.1	165.2	174.2	182.9	193.4	201.9	210.3	216.1
45°	109.5	112.0	117.5	125.0	134.0	144.4	155.4	167.1	177.3	185.9	192.4
47.5°	85.3	87.7	93.0	101.0	112.0	122.9	134.3	146.4	157.1	165.5	171.1
50°	67.4	70.3	75.1	83.4	94.5	105.9	117.8	129.8	139.8	146.9	151.9
52.5°	53.0	55.7	60.3	69.1	80.4	91.8	102.8	114.6	123.3	130.1	133.5
55°	41.1	43.6	48.4	55.7	66.4	77.6	88.7	98.6	106.8	111.8	114.9
57.5°	31.3	33.2	36.5	43.8	53.4	63.8	73.2	83.3	89.5	93.0	95.2
60°	23.8	25.2	28.8	34.4	43.2	52.1	60.1	67.6	72.6	75.6	77.6
62.5°	17.9	19.6	22.1	26.9	33.6	40.9	47.5	53.2	57.4	59.3	60.8
65°	12.3	13.6	15.5	19.2	24.8	30.0	35.3	39.5	42.1	44.3	45.1
67.5°	9.2	10.0	11.1	14.0	17.9	22.1	25.7	28.6	31.5	32.3	33.9
70°	6.8	7.5	8.5	10.6	12.9	15.8	18.8	20.4	22.5	24.0	24.4
72.5°	4.4	4.6	5.6	6.8	8.7	10.6	12.6	14.0	15.2	16.0	16.5
75°	2.5	3.7	3.7	5.0	6.3	7.1	8.3	9.4	10.0	10.6	10.6
77.5°	1.7	2.2	2.5	3.1	3.7	4.8	5.8	6.5	7.1	7.3	7.3
80°	1.5	1.7	1.7	2.2	2.7	3.6	4.1	4.4	4.8	5.0	5.4
82.5°	0.7	0.8	1.0	1.7	1.9	1.9	2.5	2.7	3.1	3.4	3.4
85°	0.2	0.4	0.4	0.7	1.0	1.2	1.5	1.7	1.9	1.9	2.1
87.5°	0.2	0.2	0.0	0.2	0.4	0.4	0.8	0.8	0.8	1.2	1.2
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: LSR8B10D010 EC8B10930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	427.2	427.2	427.2	427.2	427.2	427.2	427.2
2.5°	423.5	423.7	422.8	422.6	422.3	422.5	422.8
5°	415.8	416.0	415.1	414.3	414.3	414.1	414.3
7.5°	408.5	408.7	407.5	407.0	406.1	406.4	406.4
10°	401.2	401.2	399.3	399.1	398.5	398.3	398.3
12.5°	394.0	393.5	392.0	391.1	391.6	390.3	390.3
15°	387.9	386.7	385.0	384.3	383.3	382.8	382.8
17.5°	381.4	380.5	378.9	377.6	376.3	376.1	376.3
20°	375.1	374.3	372.2	371.4	370.3	370.3	369.9
22.5°	368.8	368.0	366.1	365.6	364.0	364.0	364.2
25°	362.4	361.7	359.6	359.3	359.1	358.2	358.6
27.5°	353.6	353.2	351.5	350.9	350.1	349.9	350.3
30°	337.5	337.0	335.6	335.1	333.6	333.8	334.2
32.5°	317.5	316.7	315.0	314.4	313.1	312.8	312.9
35°	292.5	291.9	290.5	290.5	289.1	288.8	289.1
37.5°	267.0	267.7	267.0	267.7	267.0	266.8	267.0
40°	243.0	245.4	245.7	248.1	247.2	248.4	248.3
42.5°	220.1	223.9	225.3	227.2	226.8	227.6	228.2
45°	197.0	200.1	201.6	202.8	203.0	203.5	203.6
47.5°	175.0	177.6	177.8	179.2	179.0	179.0	179.6
50°	154.6	156.3	156.7	157.7	156.8	156.5	156.7
52.5°	135.6	137.3	136.9	137.3	136.2	135.9	136.0
55°	116.2	117.0	117.0	117.0	115.8	115.8	115.8
57.5°	96.4	96.6	96.2	96.4	96.2	94.9	94.7
60°	78.2	78.2	78.0	78.2	77.6	77.0	77.0
62.5°	61.1	61.5	62.3	61.5	61.1	61.5	60.9
65°	45.7	46.5	46.3	46.7	46.5	46.5	46.1
67.5°	34.4	34.6	34.9	35.1	35.1	35.1	35.1
70°	25.2	25.9	25.7	25.7	25.7	25.7	26.9
72.5°	16.9	17.7	17.5	17.9	17.9	18.4	17.9
75°	11.4	12.3	11.9	12.6	12.3	11.9	12.9
77.5°	7.7	8.2	8.3	8.5	8.3	8.2	8.3
80°	5.4	5.8	5.6	5.8	5.8	5.8	6.1
82.5°	3.4	3.9	3.7	3.9	3.7	3.9	3.9
85°	2.2	2.5	2.1	2.5	2.2	2.2	2.7
87.5°	1.5	1.2	1.2	1.5	1.2	1.5	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)