

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: P245004

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245004  
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 EC8B10950 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1042.0 lumens  
Efficiency: N/A  
Efficacy: 102.2 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

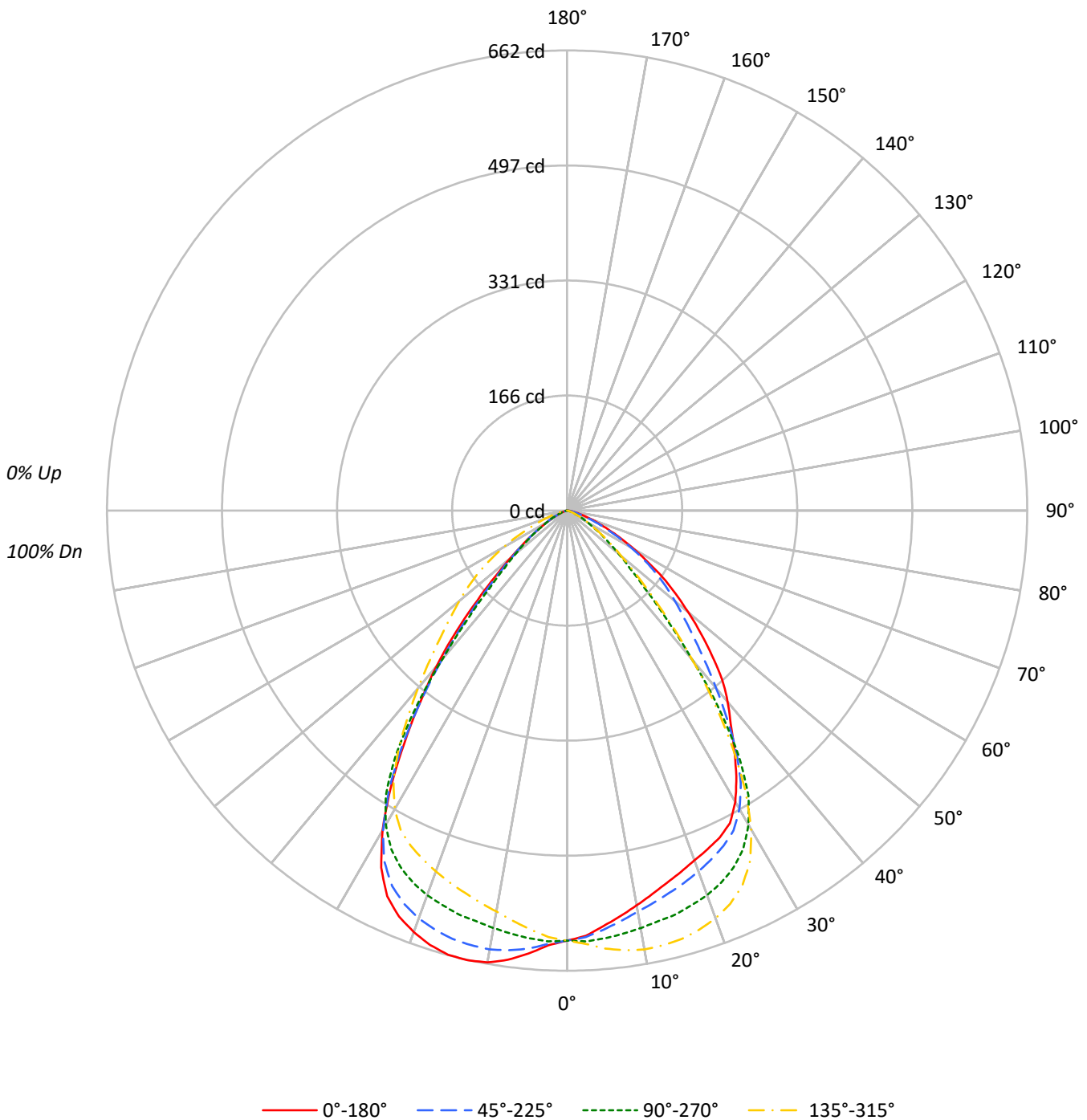
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**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	99	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°	19075	19075	19075	19075
5°	18569	19120	19804	19120
10°	18055	19094	20666	19094
15°	17696	19209	21118	19209
20°	17573	19318	21172	19318
25°	17665	19278	20833	19278
30°	17230	18572	18907	18572
35°	15758	16202	15374	16202
40°	14467	11271	11770	11271
45°	12856	6877	7954	6877
50°	10880	4591	5100	4591
55°	9010	3134	3312	3134
60°	6876	2085	2103	2085
65°	4874	1299	1189	1299
70°	3516	875	793	875
75°	2228	429	357	429
80°	1563	320	266	320
85°	1380	0	106	0



TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.9	5.7
10°-20°	170.5	16.4
20°-30°	258.2	24.8
30°-40°	258.8	24.8
40°-50°	162.5	15.6
50°-60°	86.6	8.3
60°-70°	35.6	3.4
70°-80°	9.4	0.9
80°-90°	1.6	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°	487.6	46.8
0°-40°	746.3	71.6
0°-60°	995.4	95.5
0°-90°	1042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	619	619	619	619	619	
5°	600	618	640	618	600	57
15°	554	602	662	602	554	157
25°	519	567	612	567	519	238
35°	419	430	408	430	419	262
45°	295	158	182	158	295	227
55°	168	58	62	58	168	149
65°	67	18	16	18	67	69
75°	19	4	3	4	19	21
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	612.3	611.7	611.4	612.0	612.3	613.5	613.2	613.8	613.8	614.1	614.7
5°	599.9	599.6	599.9	599.9	601.1	602.3	602.0	602.9	603.5	605.0	605.6
7.5°	588.4	588.4	588.1	589.3	589.9	591.7	591.4	592.9	593.8	595.3	597.5
10°	576.6	576.6	576.9	577.8	578.1	580.8	580.8	583.0	584.2	585.7	588.4
12.5°	565.1	565.1	567.0	566.3	567.6	569.7	570.6	572.7	574.5	577.5	580.2
15°	554.3	554.3	554.9	556.4	557.3	560.0	561.5	563.9	566.0	569.1	573.0
17.5°	544.9	544.6	544.9	546.7	548.5	550.9	552.1	555.2	557.3	561.2	564.8
20°	535.5	536.1	536.1	537.7	538.9	541.9	543.1	546.4	548.8	552.4	556.7
22.5°	527.4	527.1	527.1	529.2	530.1	532.8	534.0	537.0	539.8	542.8	546.7
25°	519.2	518.6	519.8	520.1	520.7	523.8	524.7	526.8	529.5	532.2	536.1
27.5°	507.1	506.5	506.8	508.1	509.0	511.4	512.0	514.1	516.2	518.6	522.0
30°	483.9	483.3	483.0	485.1	486.0	487.8	488.7	492.3	492.9	495.7	498.1
32.5°	453.1	452.8	453.4	455.2	456.1	458.5	459.7	461.8	463.3	464.9	467.3
35°	418.6	418.0	418.6	420.5	420.5	422.6	423.5	424.4	424.1	424.4	423.8
37.5°	386.6	386.3	386.6	387.5	386.6	387.5	386.6	384.8	381.5	377.9	374.2
40°	359.4	359.7	357.9	359.1	355.8	355.2	351.9	347.4	340.7	333.5	323.2
42.5°	330.4	329.5	328.3	328.9	326.2	324.1	318.7	312.9	304.5	292.4	280.0
45°	294.8	294.5	293.9	293.6	291.8	289.7	285.1	278.5	269.1	256.7	241.9
47.5°	260.1	259.2	259.2	259.5	257.3	257.0	253.4	247.7	239.5	227.4	212.0
50°	226.8	226.5	227.1	228.4	226.8	226.2	223.8	219.9	212.6	202.4	187.9
52.5°	196.9	196.6	197.2	198.7	198.1	198.7	196.3	193.3	188.5	178.5	165.8
55°	167.6	167.6	167.6	169.4	169.4	169.4	168.2	166.4	161.9	154.7	142.9
57.5°	137.1	137.4	139.2	139.5	139.2	139.9	139.5	137.7	134.7	129.6	120.5
60°	111.5	111.5	112.4	113.3	113.0	113.3	113.3	112.4	109.3	105.1	97.9
62.5°	88.2	89.1	88.5	89.1	90.3	89.1	88.5	87.9	85.8	83.1	77.0
65°	66.8	67.4	67.4	67.7	67.0	67.4	66.2	65.2	64.0	61.0	57.1
67.5°	50.8	50.8	50.8	50.8	50.4	50.1	49.8	48.9	46.8	45.6	41.4
70°	39.0	37.1	37.1	37.1	37.1	37.5	36.6	35.3	34.7	32.6	29.6
72.5°	26.0	26.6	26.0	26.0	25.4	25.7	24.5	23.9	23.3	22.1	20.2
75°	18.7	17.2	17.8	18.1	17.2	17.8	16.6	15.4	15.4	14.5	13.6
77.5°	12.1	11.8	12.1	12.4	12.1	11.8	11.2	10.6	10.6	10.3	9.4
80°	8.8	8.5	8.5	8.5	8.2	8.5	7.9	7.9	7.2	6.9	6.3
82.5°	5.7	5.7	5.4	5.7	5.4	5.7	4.8	4.8	4.8	4.5	3.9
85°	3.9	3.3	3.3	3.6	3.0	3.6	3.3	3.0	2.7	2.7	2.4
87.5°	1.8	2.1	1.8	2.1	1.8	1.8	2.1	1.8	1.8	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: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	615.6	615.9	615.9	617.1	617.7	618.0	618.0	620.4	619.5	620.1	620.7
5°	606.8	608.6	609.2	609.2	612.6	613.8	615.0	617.7	618.0	619.8	621.9
7.5°	598.4	600.5	601.7	604.4	606.5	608.6	612.3	614.1	615.9	618.3	621.0
10°	590.2	592.6	595.0	597.2	600.5	603.2	605.6	609.8	612.0	615.3	618.9
12.5°	582.4	585.7	587.8	591.4	595.0	597.5	601.1	605.0	608.3	611.7	615.9
15°	575.4	579.3	581.8	585.7	589.6	592.9	596.9	601.7	604.1	608.0	612.0
17.5°	567.9	572.1	575.1	578.7	583.6	587.2	590.5	595.3	598.4	602.6	607.1
20°	560.0	564.2	567.9	571.5	576.3	579.9	583.9	588.7	592.0	596.2	599.9
22.5°	550.6	554.6	558.5	562.7	567.6	570.6	575.1	579.3	583.0	586.9	590.5
25°	538.6	543.4	546.4	550.3	554.3	557.6	562.4	566.6	569.7	573.3	576.6
27.5°	524.4	528.0	530.4	533.7	537.7	540.7	544.3	548.5	551.6	554.9	557.3
30°	500.2	503.5	505.6	508.1	512.0	514.7	517.7	521.6	523.8	526.2	528.3
32.5°	468.5	471.2	472.4	474.2	476.9	479.7	482.1	485.4	486.3	487.8	487.8
35°	422.6	423.2	422.9	423.5	424.7	426.2	428.3	430.4	431.6	431.6	430.7
37.5°	368.8	365.2	361.3	358.2	357.3	356.7	357.9	358.8	360.1	360.6	359.1
40°	312.9	304.8	296.0	288.2	282.7	280.3	279.4	280.0	280.0	282.1	282.1
42.5°	264.9	252.2	239.2	227.4	219.6	213.6	210.8	210.8	211.1	212.6	213.6
45°	225.0	209.0	193.9	180.9	170.1	162.2	158.6	157.7	157.4	158.0	160.1
47.5°	194.5	177.9	162.2	146.2	134.7	126.9	123.5	122.3	121.1	122.3	122.6
50°	170.7	153.4	136.8	120.8	108.7	101.8	97.6	95.7	95.4	95.4	96.1
52.5°	148.9	132.9	116.3	100.0	87.3	80.7	76.7	75.8	74.6	75.8	75.8
55°	128.4	112.4	96.1	80.7	70.1	63.1	59.5	58.3	57.7	58.6	58.6
57.5°	106.0	92.4	77.3	63.4	52.9	48.0	45.3	43.8	43.5	44.1	43.5
60°	87.0	75.5	62.5	49.8	41.7	36.6	34.4	33.8	33.2	33.8	33.8
62.5°	68.9	59.2	48.6	39.0	32.0	28.4	26.0	26.0	25.7	25.7	26.0
65°	51.0	43.5	35.9	27.8	22.4	19.6	17.8	17.8	17.5	17.8	17.5
67.5°	37.1	32.0	26.0	20.2	16.0	14.5	13.3	12.4	13.0	12.4	12.1
70°	27.2	23.0	18.7	15.4	12.4	10.9	10.0	9.7	9.1	9.1	9.1
72.5°	18.1	15.4	12.7	10.0	8.2	6.6	6.3	5.7	5.1	5.4	6.0
75°	12.1	10.3	9.1	7.2	5.4	5.4	3.6	3.6	3.0	3.6	2.7
77.5°	8.5	6.9	5.4	4.5	3.6	3.3	2.4	2.4	2.1	2.1	2.1
80°	6.0	5.1	3.9	3.3	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.6	2.7	2.7	2.4	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.1	1.8	1.5	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.2	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



TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	622.2	621.9	622.5	622.5	624.3	624.0	624.9	624.9	624.3	624.6	625.9
5°	624.3	625.3	627.1	628.6	631.3	632.5	634.0	635.5	635.8	636.7	637.6
7.5°	624.3	627.4	629.5	632.2	635.8	637.9	641.3	644.0	645.2	646.7	648.5
10°	623.1	626.1	630.1	633.1	637.6	641.0	644.3	648.5	650.3	652.7	655.2
12.5°	620.7	624.0	628.3	632.2	637.3	640.3	644.6	648.5	651.2	654.5	657.3
15°	617.1	621.0	624.9	628.9	634.3	637.9	641.9	646.4	649.1	652.7	655.2
17.5°	611.4	615.6	619.2	622.8	628.0	632.2	635.8	640.0	642.8	645.8	649.1
20°	604.4	608.3	612.3	615.3	620.4	624.0	628.0	631.9	634.0	634.6	639.8
22.5°	595.7	598.4	601.4	606.2	609.2	612.6	616.2	619.8	621.9	625.3	627.1
25°	581.1	583.9	587.2	589.3	592.9	595.7	599.3	603.2	604.4	606.8	608.6
27.5°	560.9	562.4	563.9	565.7	567.9	569.4	571.5	573.3	574.5	575.7	576.9
30°	528.9	528.9	528.9	527.7	528.6	529.5	529.8	529.5	529.5	529.2	529.2
32.5°	486.6	484.2	481.5	479.1	478.1	476.9	476.3	475.4	473.9	473.0	473.3
35°	429.5	424.1	420.8	417.7	415.3	413.5	412.6	411.7	411.4	410.2	409.0
37.5°	358.2	354.3	351.9	350.1	348.0	346.2	346.5	346.8	347.7	347.1	347.4
40°	282.7	281.8	282.7	280.6	280.0	280.6	282.1	284.2	285.4	286.6	288.8
42.5°	215.1	216.6	218.7	218.7	219.6	220.8	222.6	225.9	227.7	229.9	232.3
45°	161.9	163.7	166.4	167.3	167.9	169.4	171.6	174.3	175.5	177.3	179.4
47.5°	124.7	126.0	127.5	129.0	130.5	131.1	133.2	133.2	134.7	135.9	136.5
50°	97.3	98.5	99.7	100.6	101.2	102.1	102.7	103.6	103.9	104.5	104.8
52.5°	76.1	77.6	77.6	78.2	79.1	80.0	79.7	80.0	80.3	80.3	81.2
55°	59.5	59.5	60.4	60.4	61.0	60.7	61.0	61.0	61.0	61.0	61.3
57.5°	44.4	44.7	45.6	45.0	44.7	45.3	44.7	45.3	45.0	45.6	44.7
60°	34.1	34.1	34.4	34.4	34.7	34.7	34.7	34.4	34.4	34.1	34.1
62.5°	25.7	26.0	26.3	26.0	26.0	26.0	25.7	25.7	25.4	25.1	25.1
65°	17.2	16.9	17.5	16.9	17.2	17.2	16.9	17.2	16.3	16.6	16.3
67.5°	12.4	12.1	11.8	12.1	11.8	11.5	11.5	11.8	12.1	11.2	11.2
70°	8.2	8.5	8.2	8.5	8.8	8.8	8.5	8.2	8.5	7.9	8.2
72.5°	5.1	5.1	5.1	5.1	5.1	5.4	5.4	5.4	4.8	4.8	4.5
75°	2.4	3.3	2.7	2.4	3.3	3.3	3.0	3.0	2.7	2.7	2.7
77.5°	2.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.8	1.5
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.5	1.2	1.2	0.9	1.5
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





TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	625.6	625.3	625.6	625.9	625.6	625.3	625.6	625.9	624.6	624.3	624.9
5°	638.8	638.8	639.4	639.8	639.4	638.8	638.8	637.6	636.7	635.8	635.5
7.5°	650.3	650.9	651.5	651.8	651.5	650.9	650.3	648.5	646.7	645.2	644.0
10°	657.3	658.2	659.4	660.0	659.4	658.2	657.3	655.2	652.7	650.3	648.5
12.5°	660.3	661.2	662.7	662.4	662.7	661.2	660.3	657.3	654.5	651.2	648.5
15°	658.2	659.4	660.9	661.5	660.9	659.4	658.2	655.2	652.7	649.1	646.4
17.5°	651.5	653.3	654.2	655.2	654.2	653.3	651.5	649.1	645.8	642.8	640.0
20°	642.5	643.7	644.9	645.2	644.9	643.7	642.5	639.8	634.6	634.0	631.9
22.5°	629.5	630.4	633.1	632.2	633.1	630.4	629.5	627.1	625.3	621.9	619.8
25°	610.7	611.7	612.0	612.3	612.0	611.7	610.7	608.6	606.8	604.4	603.2
27.5°	578.4	578.4	579.0	579.3	579.0	578.4	578.4	576.9	575.7	574.5	573.3
30°	529.5	529.5	529.5	531.0	529.5	529.5	529.5	529.2	529.2	529.5	529.5
32.5°	473.0	472.4	471.8	472.4	471.8	472.4	473.0	473.3	473.0	473.9	475.4
35°	409.0	408.7	409.6	408.4	409.6	408.7	409.0	409.0	410.2	411.4	411.7
37.5°	347.7	347.1	348.3	347.1	348.3	347.1	347.7	347.4	347.1	347.7	346.8
40°	289.4	290.0	290.0	292.4	290.0	290.0	289.4	288.8	286.6	285.4	284.2
42.5°	233.5	235.3	234.7	236.5	234.7	235.3	233.5	232.3	229.9	227.7	225.9
45°	180.6	181.8	181.8	182.4	181.8	181.8	180.6	179.4	177.3	175.5	174.3
47.5°	138.6	138.6	138.6	138.9	138.6	138.6	138.6	136.5	135.9	134.7	133.2
50°	105.4	105.7	106.0	106.3	106.0	105.7	105.4	104.8	104.5	103.9	103.6
52.5°	80.9	81.2	80.7	81.2	80.7	81.2	80.9	81.2	80.3	80.3	80.0
55°	61.3	61.0	61.3	61.6	61.3	61.0	61.3	61.3	61.0	61.0	61.0
57.5°	45.0	44.4	44.4	44.4	44.4	44.4	45.0	44.7	45.6	45.0	45.3
60°	33.5	33.8	33.8	34.1	33.8	33.8	33.5	34.1	34.1	34.4	34.4
62.5°	24.8	25.7	25.1	25.7	25.1	25.7	24.8	25.1	25.1	25.4	25.7
65°	16.0	16.0	16.0	16.3	16.0	16.0	16.0	16.3	16.6	16.3	17.2
67.5°	10.9	11.2	11.8	11.5	11.8	11.2	10.9	11.2	11.2	12.1	11.8
70°	8.8	7.9	7.9	8.8	7.9	7.9	8.8	8.2	7.9	8.5	8.2
72.5°	5.1	4.5	5.1	5.1	5.1	4.5	5.1	4.5	4.8	4.8	5.4
75°	2.7	2.4	2.1	3.0	2.1	2.4	2.7	2.7	2.7	2.7	3.0
77.5°	1.8	1.5	2.1	2.1	2.1	1.5	1.8	1.5	1.8	1.5	1.8
80°	0.9	1.2	0.9	1.5	0.9	1.2	0.9	1.5	0.9	1.2	1.2
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



TEST NUMBER: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	624.9	624.0	624.3	622.5	622.5	621.9	622.2	620.7	620.1	619.5	620.4
5°	634.0	632.5	631.3	628.6	627.1	625.3	624.3	621.9	619.8	618.0	617.7
7.5°	641.3	637.9	635.8	632.2	629.5	627.4	624.3	621.0	618.3	615.9	614.1
10°	644.3	641.0	637.6	633.1	630.1	626.1	623.1	618.9	615.3	612.0	609.8
12.5°	644.6	640.3	637.3	632.2	628.3	624.0	620.7	615.9	611.7	608.3	605.0
15°	641.9	637.9	634.3	628.9	624.9	621.0	617.1	612.0	608.0	604.1	601.7
17.5°	635.8	632.2	628.0	622.8	619.2	615.6	611.4	607.1	602.6	598.4	595.3
20°	628.0	624.0	620.4	615.3	612.3	608.3	604.4	599.9	596.2	592.0	588.7
22.5°	616.2	612.6	609.2	606.2	601.4	598.4	595.7	590.5	586.9	583.0	579.3
25°	599.3	595.7	592.9	589.3	587.2	583.9	581.1	576.6	573.3	569.7	566.6
27.5°	571.5	569.4	567.9	565.7	563.9	562.4	560.9	557.3	554.9	551.6	548.5
30°	529.8	529.5	528.6	527.7	528.9	528.9	528.9	528.3	526.2	523.8	521.6
32.5°	476.3	476.9	478.1	479.1	481.5	484.2	486.6	487.8	487.8	486.3	485.4
35°	412.6	413.5	415.3	417.7	420.8	424.1	429.5	430.7	431.6	431.6	430.4
37.5°	346.5	346.2	348.0	350.1	351.9	354.3	358.2	359.1	360.6	360.1	358.8
40°	282.1	280.6	280.0	280.6	282.7	281.8	282.7	282.1	282.1	280.0	280.0
42.5°	222.6	220.8	219.6	218.7	218.7	216.6	215.1	213.6	212.6	211.1	210.8
45°	171.6	169.4	167.9	167.3	166.4	163.7	161.9	160.1	158.0	157.4	157.7
47.5°	133.2	131.1	130.5	129.0	127.5	126.0	124.7	122.6	122.3	121.1	122.3
50°	102.7	102.1	101.2	100.6	99.7	98.5	97.3	96.1	95.4	95.4	95.7
52.5°	79.7	80.0	79.1	78.2	77.6	77.6	76.1	75.8	75.8	74.6	75.8
55°	61.0	60.7	61.0	60.4	60.4	59.5	59.5	58.6	58.6	57.7	58.3
57.5°	44.7	45.3	44.7	45.0	45.6	44.7	44.4	43.5	44.1	43.5	43.8
60°	34.7	34.7	34.7	34.4	34.4	34.1	34.1	33.8	33.8	33.2	33.8
62.5°	25.7	26.0	26.0	26.0	26.3	26.0	25.7	26.0	25.7	25.7	26.0
65°	16.9	17.2	17.2	16.9	17.5	16.9	17.2	17.5	17.8	17.5	17.8
67.5°	11.5	11.5	11.8	12.1	11.8	12.1	12.4	12.1	12.4	13.0	12.4
70°	8.5	8.8	8.8	8.5	8.2	8.5	8.2	9.1	9.1	9.1	9.7
72.5°	5.4	5.4	5.1	5.1	5.1	5.1	5.1	6.0	5.4	5.1	5.7
75°	3.0	3.3	3.3	2.4	2.7	3.3	2.4	2.7	3.6	3.0	3.6
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.1	2.1	2.1	2.4
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.8	1.5	1.5	1.8
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
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: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	618.0	618.0	617.7	617.1	615.9	615.9	615.6	614.7	614.1	613.8	613.8
5°	615.0	613.8	612.6	609.2	609.2	608.6	606.8	605.6	605.0	603.5	602.9
7.5°	612.3	608.6	606.5	604.4	601.7	600.5	598.4	597.5	595.3	593.8	592.9
10°	605.6	603.2	600.5	597.2	595.0	592.6	590.2	588.4	585.7	584.2	583.0
12.5°	601.1	597.5	595.0	591.4	587.8	585.7	582.4	580.2	577.5	574.5	572.7
15°	596.9	592.9	589.6	585.7	581.8	579.3	575.4	573.0	569.1	566.0	563.9
17.5°	590.5	587.2	583.6	578.7	575.1	572.1	567.9	564.8	561.2	557.3	555.2
20°	583.9	579.9	576.3	571.5	567.9	564.2	560.0	556.7	552.4	548.8	546.4
22.5°	575.1	570.6	567.6	562.7	558.5	554.6	550.6	546.7	542.8	539.8	537.0
25°	562.4	557.6	554.3	550.3	546.4	543.4	538.6	536.1	532.2	529.5	526.8
27.5°	544.3	540.7	537.7	533.7	530.4	528.0	524.4	522.0	518.6	516.2	514.1
30°	517.7	514.7	512.0	508.1	505.6	503.5	500.2	498.1	495.7	492.9	492.3
32.5°	482.1	479.7	476.9	474.2	472.4	471.2	468.5	467.3	464.9	463.3	461.8
35°	428.3	426.2	424.7	423.5	422.9	423.2	422.6	423.8	424.4	424.1	424.4
37.5°	357.9	356.7	357.3	358.2	361.3	365.2	368.8	374.2	377.9	381.5	384.8
40°	279.4	280.3	282.7	288.2	296.0	304.8	312.9	323.2	333.5	340.7	347.4
42.5°	210.8	213.6	219.6	227.4	239.2	252.2	264.9	280.0	292.4	304.5	312.9
45°	158.6	162.2	170.1	180.9	193.9	209.0	225.0	241.9	256.7	269.1	278.5
47.5°	123.5	126.9	134.7	146.2	162.2	177.9	194.5	212.0	227.4	239.5	247.7
50°	97.6	101.8	108.7	120.8	136.8	153.4	170.7	187.9	202.4	212.6	219.9
52.5°	76.7	80.7	87.3	100.0	116.3	132.9	148.9	165.8	178.5	188.5	193.3
55°	59.5	63.1	70.1	80.7	96.1	112.4	128.4	142.9	154.7	161.9	166.4
57.5°	45.3	48.0	52.9	63.4	77.3	92.4	106.0	120.5	129.6	134.7	137.7
60°	34.4	36.6	41.7	49.8	62.5	75.5	87.0	97.9	105.1	109.3	112.4
62.5°	26.0	28.4	32.0	39.0	48.6	59.2	68.9	77.0	83.1	85.8	87.9
65°	17.8	19.6	22.4	27.8	35.9	43.5	51.0	57.1	61.0	64.0	65.2
67.5°	13.3	14.5	16.0	20.2	26.0	32.0	37.1	41.4	45.6	46.8	48.9
70°	10.0	10.9	12.4	15.4	18.7	23.0	27.2	29.6	32.6	34.7	35.3
72.5°	6.3	6.6	8.2	10.0	12.7	15.4	18.1	20.2	22.1	23.3	23.9
75°	3.6	5.4	5.4	7.2	9.1	10.3	12.1	13.6	14.5	15.4	15.4
77.5°	2.4	3.3	3.6	4.5	5.4	6.9	8.5	9.4	10.3	10.6	10.6
80°	2.1	2.4	2.4	3.3	3.9	5.1	6.0	6.3	6.9	7.2	7.9
82.5°	0.9	1.2	1.5	2.4	2.7	2.7	3.6	3.9	4.5	4.8	4.8
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.1	2.4	2.7	2.7	3.0
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.8	1.8
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: P245004

CATALOG NUMBER: LSR8B10D010 EC8B10950 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	613.2	613.5	612.3	612.0	611.4	611.7	612.3
5°	602.0	602.3	601.1	599.9	599.9	599.6	599.9
7.5°	591.4	591.7	589.9	589.3	588.1	588.4	588.4
10°	580.8	580.8	578.1	577.8	576.9	576.6	576.6
12.5°	570.6	569.7	567.6	566.3	567.0	565.1	565.1
15°	561.5	560.0	557.3	556.4	554.9	554.3	554.3
17.5°	552.1	550.9	548.5	546.7	544.9	544.6	544.9
20°	543.1	541.9	538.9	537.7	536.1	536.1	535.5
22.5°	534.0	532.8	530.1	529.2	527.1	527.1	527.4
25°	524.7	523.8	520.7	520.1	519.8	518.6	519.2
27.5°	512.0	511.4	509.0	508.1	506.8	506.5	507.1
30°	488.7	487.8	486.0	485.1	483.0	483.3	483.9
32.5°	459.7	458.5	456.1	455.2	453.4	452.8	453.1
35°	423.5	422.6	420.5	420.5	418.6	418.0	418.6
37.5°	386.6	387.5	386.6	387.5	386.6	386.3	386.6
40°	351.9	355.2	355.8	359.1	357.9	359.7	359.4
42.5°	318.7	324.1	326.2	328.9	328.3	329.5	330.4
45°	285.1	289.7	291.8	293.6	293.9	294.5	294.8
47.5°	253.4	257.0	257.3	259.5	259.2	259.2	260.1
50°	223.8	226.2	226.8	228.4	227.1	226.5	226.8
52.5°	196.3	198.7	198.1	198.7	197.2	196.6	196.9
55°	168.2	169.4	169.4	169.4	167.6	167.6	167.6
57.5°	139.5	139.9	139.2	139.5	139.2	137.4	137.1
60°	113.3	113.3	113.0	113.3	112.4	111.5	111.5
62.5°	88.5	89.1	90.3	89.1	88.5	89.1	88.2
65°	66.2	67.4	67.0	67.7	67.4	67.4	66.8
67.5°	49.8	50.1	50.4	50.8	50.8	50.8	50.8
70°	36.6	37.5	37.1	37.1	37.1	37.1	39.0
72.5°	24.5	25.7	25.4	26.0	26.0	26.6	26.0
75°	16.6	17.8	17.2	18.1	17.8	17.2	18.7
77.5°	11.2	11.8	12.1	12.4	12.1	11.8	12.1
80°	7.9	8.5	8.2	8.5	8.5	8.5	8.8
82.5°	4.8	5.7	5.4	5.7	5.4	5.7	5.7
85°	3.3	3.6	3.0	3.6	3.3	3.3	3.9
87.5°	2.1	1.8	1.8	2.1	1.8	2.1	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)