

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: P245838

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245838  
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 EC8B10850 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1069.0 lumens  
Efficiency: N/A  
Efficacy: 104.8 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

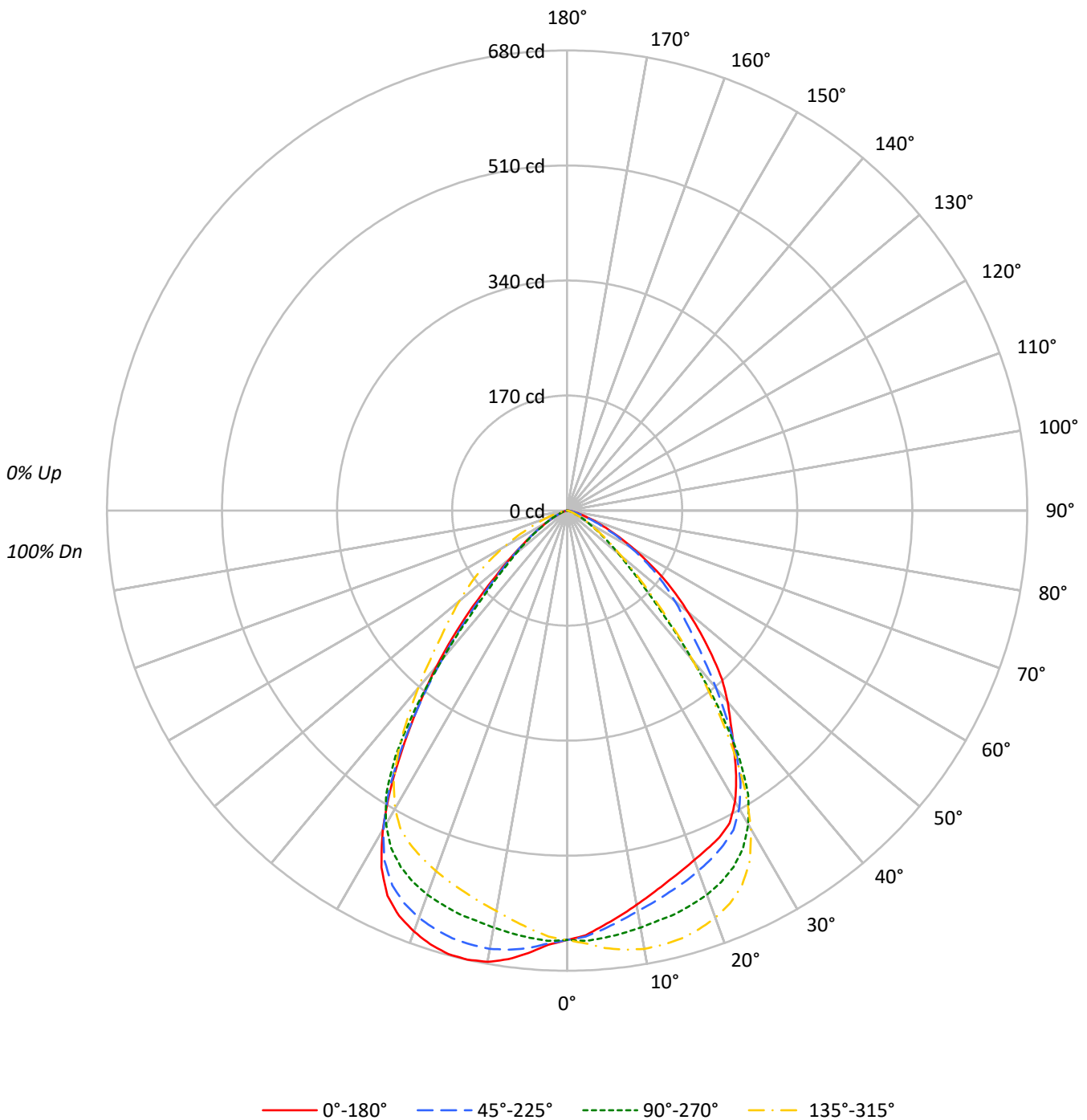
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**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°	19569	19569	19569	19569
5°	19049	19616	20315	19616
10°	18524	19589	21201	19589
15°	18152	19707	21664	19707
20°	18029	19820	21720	19820
25°	18125	19778	21371	19778
30°	17675	19057	19399	19057
35°	16168	16624	15773	16624
40°	14846	11565	12076	11565
45°	13187	7056	8164	7056
50°	11163	4711	5234	4711
55°	9247	3215	3398	3215
60°	7049	2140	2159	2140
65°	4998	1335	1219	1335
70°	3606	893	811	893
75°	2288	441	369	441
80°	1598	337	266	337
85°	1415	0	106	0



TEST NUMBER: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.4	5.7
10°-20°	174.9	16.4
20°-30°	264.9	24.8
30°-40°	265.5	24.8
40°-50°	166.7	15.6
50°-60°	88.8	8.3
60°-70°	36.5	3.4
70°-80°	9.7	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°	500.2	46.8
0°-40°	765.7	71.6
0°-60°	1021.2	95.5
0°-90°	1069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	635	635	635	635	635	
5°	615	634	656	634	615	58
15°	569	617	679	617	569	161
25°	533	581	628	581	533	244
35°	430	442	419	442	430	269
45°	302	162	187	162	302	233
55°	172	60	63	60	172	153
65°	68	18	17	18	68	71
75°	19	4	3	4	19	22
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



TEST NUMBER: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	628.1	627.5	627.2	627.8	628.1	629.4	629.1	629.7	629.7	630.0	630.6
5°	615.4	615.1	615.4	615.4	616.7	617.9	617.6	618.5	619.1	620.7	621.3
7.5°	603.6	603.6	603.3	604.6	605.2	607.1	606.7	608.3	609.2	610.8	612.9
10°	591.6	591.6	591.9	592.8	593.1	595.9	595.9	598.1	599.3	600.9	603.6
12.5°	579.8	579.8	581.6	581.0	582.3	584.4	585.4	587.5	589.4	592.5	595.3
15°	568.6	568.6	569.2	570.8	571.7	574.5	576.1	578.5	580.7	583.8	587.8
17.5°	559.0	558.7	559.0	560.9	562.7	565.2	566.5	569.6	571.7	575.8	579.5
20°	549.4	550.0	550.0	551.6	552.8	555.9	557.2	560.6	563.1	566.8	571.1
22.5°	541.0	540.7	540.7	542.9	543.8	546.6	547.9	551.0	553.8	556.9	560.9
25°	532.7	532.1	533.3	533.6	534.2	537.3	538.3	540.4	543.2	546.0	550.0
27.5°	520.3	519.7	520.0	521.2	522.1	524.6	525.2	527.4	529.6	532.1	535.5
30°	496.4	495.8	495.5	497.7	498.6	500.5	501.4	505.1	505.7	508.5	511.0
32.5°	464.8	464.5	465.1	467.0	467.9	470.4	471.6	473.8	475.3	476.9	479.4
35°	429.5	428.9	429.5	431.4	431.4	433.5	434.5	435.4	435.1	435.4	434.8
37.5°	396.7	396.3	396.7	397.6	396.7	397.6	396.7	394.8	391.4	387.7	383.9
40°	368.8	369.1	367.2	368.5	365.0	364.4	361.0	356.4	349.5	342.1	331.6
42.5°	339.0	338.1	336.8	337.5	334.7	332.5	326.9	321.0	312.4	300.0	287.3
45°	302.4	302.1	301.5	301.2	299.3	297.2	292.5	285.7	276.1	263.4	248.2
47.5°	266.8	265.9	265.9	266.2	264.0	263.7	260.0	254.1	245.7	233.3	217.5
50°	232.7	232.4	233.0	234.3	232.7	232.1	229.6	225.6	218.2	207.6	192.7
52.5°	202.0	201.7	202.4	203.9	203.3	203.9	201.4	198.3	193.4	183.1	170.1
55°	172.0	172.0	172.0	173.8	173.8	173.8	172.6	170.7	166.1	158.7	146.6
57.5°	140.7	141.0	142.9	143.2	142.9	143.5	143.2	141.3	138.2	132.9	123.6
60°	114.3	114.3	115.3	116.2	115.9	116.2	116.2	115.3	112.2	107.8	100.4
62.5°	90.5	91.4	90.8	91.4	92.7	91.4	90.8	90.2	88.0	85.2	79.0
65°	68.5	69.1	69.1	69.4	68.8	69.1	67.9	66.9	65.7	62.6	58.6
67.5°	52.1	52.1	52.1	52.1	51.7	51.4	51.1	50.2	48.0	46.8	42.4
70°	40.0	38.1	38.1	38.1	38.1	38.4	37.5	36.3	35.6	33.5	30.4
72.5°	26.6	27.3	26.6	26.6	26.0	26.3	25.1	24.5	23.9	22.6	20.8
75°	19.2	17.7	18.3	18.6	17.7	18.3	17.0	15.8	15.8	14.9	13.9
77.5°	12.4	12.1	12.4	12.7	12.4	12.1	11.5	10.8	10.8	10.5	9.6
80°	9.0	8.7	8.7	8.7	8.4	8.7	8.1	8.1	7.4	7.1	6.5
82.5°	5.9	5.9	5.6	5.9	5.6	5.9	5.0	5.0	5.0	4.6	4.0
85°	4.0	3.4	3.4	3.7	3.1	3.7	3.4	3.1	2.8	2.8	2.5
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	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: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	631.5	631.8	631.8	633.1	633.7	634.0	634.0	636.5	635.6	636.2	636.8
5°	622.6	624.4	625.0	625.0	628.4	629.7	630.9	633.7	634.0	635.9	638.0
7.5°	613.9	616.0	617.3	620.1	622.2	624.4	628.1	630.0	631.8	634.3	637.1
10°	605.5	608.0	610.5	612.6	616.0	618.8	621.3	625.6	627.8	631.2	634.9
12.5°	597.5	600.9	603.0	606.7	610.5	612.9	616.7	620.7	624.1	627.5	631.8
15°	590.3	594.4	596.8	600.9	604.9	608.3	612.3	617.3	619.8	623.8	627.8
17.5°	582.6	586.9	590.0	593.7	598.7	602.4	605.8	610.8	613.9	618.2	622.9
20°	574.5	578.9	582.6	586.3	591.3	595.0	599.0	604.0	607.4	611.7	615.4
22.5°	564.9	568.9	573.0	577.3	582.3	585.4	590.0	594.4	598.1	602.1	605.8
25°	552.5	557.5	560.6	564.6	568.6	572.0	577.0	581.3	584.4	588.2	591.6
27.5°	537.9	541.7	544.1	547.6	551.6	554.7	558.4	562.7	565.8	569.2	571.7
30°	513.2	516.6	518.7	521.2	525.2	528.0	531.1	535.2	537.3	539.8	542.0
32.5°	480.6	483.4	484.6	486.5	489.3	492.1	494.6	498.0	498.9	500.5	500.5
35°	433.5	434.1	433.8	434.5	435.7	437.2	439.4	441.6	442.8	442.8	441.9
37.5°	378.4	374.6	370.6	367.5	366.6	366.0	367.2	368.1	369.4	370.0	368.5
40°	321.0	312.7	303.7	295.6	290.0	287.6	286.6	287.3	287.3	289.4	289.4
42.5°	271.8	258.7	245.4	233.3	225.3	219.1	216.3	216.3	216.6	218.2	219.1
45°	230.9	214.4	198.9	185.6	174.5	166.4	162.7	161.8	161.5	162.1	164.2
47.5°	199.6	182.5	166.4	150.0	138.2	130.2	126.7	125.5	124.3	125.5	125.8
50°	175.1	157.4	140.4	124.0	111.6	104.4	100.1	98.2	97.9	97.9	98.5
52.5°	152.8	136.3	119.3	102.6	89.6	82.7	78.7	77.8	76.5	77.8	77.8
55°	131.7	115.3	98.5	82.7	71.9	64.8	61.0	59.8	59.2	60.1	60.1
57.5°	108.8	94.8	79.3	65.1	54.2	49.3	46.5	44.9	44.6	45.2	44.6
60°	89.2	77.5	64.1	51.1	42.8	37.5	35.3	34.7	34.1	34.7	34.7
62.5°	70.6	60.7	49.9	40.0	32.8	29.1	26.6	26.6	26.3	26.3	26.6
65°	52.4	44.6	36.9	28.5	22.9	20.1	18.3	18.3	18.0	18.3	18.0
67.5°	38.1	32.8	26.6	20.8	16.4	14.9	13.6	12.7	13.3	12.7	12.4
70°	27.9	23.5	19.2	15.8	12.7	11.2	10.2	9.9	9.3	9.3	9.3
72.5°	18.6	15.8	13.0	10.2	8.4	6.8	6.5	5.9	5.3	5.6	6.2
75°	12.4	10.5	9.3	7.4	5.6	5.6	3.7	3.7	3.1	3.7	2.8
77.5°	8.7	7.1	5.6	4.6	3.7	3.4	2.5	2.5	2.2	2.2	2.2
80°	6.2	5.3	4.0	3.4	2.5	2.5	2.2	1.9	1.5	1.5	1.9
82.5°	3.7	2.8	2.8	2.5	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.2	1.9	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: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	638.4	638.0	638.7	638.7	640.5	640.2	641.1	641.1	640.5	640.8	642.1
5°	640.5	641.5	643.3	644.9	647.6	648.9	650.4	652.0	652.3	653.2	654.2
7.5°	640.5	643.6	645.8	648.6	652.3	654.5	657.9	660.7	661.9	663.4	665.3
10°	639.3	642.4	646.4	649.5	654.2	657.6	661.0	665.3	667.2	669.6	672.1
12.5°	636.8	640.2	644.5	648.6	653.8	656.9	661.3	665.3	668.1	671.5	674.3
15°	633.1	637.1	641.1	645.2	650.7	654.5	658.5	663.1	665.9	669.6	672.1
17.5°	627.2	631.5	635.3	639.0	644.2	648.6	652.3	656.6	659.4	662.5	665.9
20°	620.1	624.1	628.1	631.2	636.5	640.2	644.2	648.3	650.4	651.1	656.3
22.5°	611.1	613.9	617.0	621.9	625.0	628.4	632.2	635.9	638.0	641.5	643.3
25°	596.2	599.0	602.4	604.6	608.3	611.1	614.8	618.8	620.1	622.6	624.4
27.5°	575.4	577.0	578.5	580.4	582.6	584.1	586.3	588.2	589.4	590.6	591.9
30°	542.6	542.6	542.6	541.4	542.3	543.2	543.5	543.2	543.2	542.9	542.9
32.5°	499.2	496.7	493.9	491.5	490.5	489.3	488.7	487.7	486.2	485.3	485.6
35°	440.6	435.1	431.7	428.6	426.1	424.2	423.3	422.4	422.1	420.8	419.6
37.5°	367.5	363.5	361.0	359.2	357.0	355.1	355.4	355.7	356.7	356.1	356.4
40°	290.0	289.1	290.0	287.9	287.3	287.9	289.4	291.6	292.8	294.1	296.2
42.5°	220.6	222.2	224.4	224.4	225.3	226.5	228.4	231.8	233.6	235.8	238.3
45°	166.1	168.0	170.7	171.7	172.3	173.8	176.0	178.8	180.0	181.9	184.1
47.5°	128.0	129.2	130.8	132.3	133.9	134.5	136.7	136.7	138.2	139.4	140.1
50°	99.8	101.0	102.3	103.2	103.8	104.7	105.4	106.3	106.6	107.2	107.5
52.5°	78.1	79.6	79.6	80.3	81.2	82.1	81.8	82.1	82.4	82.4	83.4
55°	61.0	61.0	62.0	62.0	62.6	62.3	62.6	62.6	62.6	62.6	62.9
57.5°	45.5	45.9	46.8	46.2	45.9	46.5	45.9	46.5	46.2	46.8	45.9
60°	35.0	35.0	35.3	35.3	35.6	35.6	35.6	35.3	35.3	35.0	35.0
62.5°	26.3	26.6	27.0	26.6	26.6	26.6	26.3	26.3	26.0	25.7	25.7
65°	17.7	17.4	18.0	17.4	17.7	17.7	17.4	17.7	16.7	17.0	16.7
67.5°	12.7	12.4	12.1	12.4	12.1	11.8	11.8	12.1	12.4	11.5	11.5
70°	8.4	8.7	8.4	8.7	9.0	9.0	8.7	8.4	8.7	8.1	8.4
72.5°	5.3	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.0	5.0	4.6
75°	2.5	3.4	2.8	2.5	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.5	1.9	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: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	641.8	641.5	641.8	642.1	641.8	641.5	641.8	642.1	640.8	640.5	641.1
5°	655.4	655.4	656.0	656.3	656.0	655.4	655.4	654.2	653.2	652.3	652.0
7.5°	667.2	667.8	668.4	668.7	668.4	667.8	667.2	665.3	663.4	661.9	660.7
10°	674.3	675.2	676.5	677.1	676.5	675.2	674.3	672.1	669.6	667.2	665.3
12.5°	677.4	678.3	679.9	679.6	679.9	678.3	677.4	674.3	671.5	668.1	665.3
15°	675.2	676.5	678.0	678.6	678.0	676.5	675.2	672.1	669.6	665.9	663.1
17.5°	668.4	670.3	671.2	672.1	671.2	670.3	668.4	665.9	662.5	659.4	656.6
20°	659.1	660.4	661.6	661.9	661.6	660.4	659.1	656.3	651.1	650.4	648.3
22.5°	645.8	646.7	649.5	648.6	649.5	646.7	645.8	643.3	641.5	638.0	635.9
25°	626.6	627.5	627.8	628.1	627.8	627.5	626.6	624.4	622.6	620.1	618.8
27.5°	593.4	593.4	594.0	594.4	594.0	593.4	593.4	591.9	590.6	589.4	588.2
30°	543.2	543.2	543.2	544.8	543.2	543.2	543.2	542.9	542.9	543.2	543.2
32.5°	485.3	484.6	484.0	484.6	484.0	484.6	485.3	485.6	485.3	486.2	487.7
35°	419.6	419.3	420.2	419.0	420.2	419.3	419.6	419.6	420.8	422.1	422.4
37.5°	356.7	356.1	357.3	356.1	357.3	356.1	356.7	356.4	356.1	356.7	355.7
40°	296.9	297.5	297.5	300.0	297.5	297.5	296.9	296.2	294.1	292.8	291.6
42.5°	239.5	241.4	240.8	242.6	240.8	241.4	239.5	238.3	235.8	233.6	231.8
45°	185.3	186.6	186.6	187.2	186.6	186.6	185.3	184.1	181.9	180.0	178.8
47.5°	142.2	142.2	142.2	142.5	142.2	142.2	142.2	140.1	139.4	138.2	136.7
50°	108.1	108.5	108.8	109.1	108.8	108.5	108.1	107.5	107.2	106.6	106.3
52.5°	83.0	83.4	82.7	83.4	82.7	83.4	83.0	83.4	82.4	82.4	82.1
55°	62.9	62.6	62.9	63.2	62.9	62.6	62.9	62.9	62.6	62.6	62.6
57.5°	46.2	45.5	45.5	45.5	45.5	45.5	46.2	45.9	46.8	46.2	46.5
60°	34.4	34.7	34.7	35.0	34.7	34.7	34.4	35.0	35.0	35.3	35.3
62.5°	25.4	26.3	25.7	26.3	25.7	26.3	25.4	25.7	25.7	26.0	26.3
65°	16.4	16.4	16.4	16.7	16.4	16.4	16.4	16.7	17.0	16.7	17.7
67.5°	11.2	11.5	12.1	11.8	12.1	11.5	11.2	11.5	11.5	12.4	12.1
70°	9.0	8.1	8.1	9.0	8.1	8.1	9.0	8.4	8.1	8.7	8.4
72.5°	5.3	4.6	5.3	5.3	5.3	4.6	5.3	4.6	5.0	5.0	5.6
75°	2.8	2.5	2.2	3.1	2.2	2.5	2.8	2.8	2.8	2.8	3.1
77.5°	1.9	1.5	2.2	2.2	2.2	1.5	1.9	1.5	1.9	1.5	1.9
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: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	641.1	640.2	640.5	638.7	638.7	638.0	638.4	636.8	636.2	635.6	636.5
5°	650.4	648.9	647.6	644.9	643.3	641.5	640.5	638.0	635.9	634.0	633.7
7.5°	657.9	654.5	652.3	648.6	645.8	643.6	640.5	637.1	634.3	631.8	630.0
10°	661.0	657.6	654.2	649.5	646.4	642.4	639.3	634.9	631.2	627.8	625.6
12.5°	661.3	656.9	653.8	648.6	644.5	640.2	636.8	631.8	627.5	624.1	620.7
15°	658.5	654.5	650.7	645.2	641.1	637.1	633.1	627.8	623.8	619.8	617.3
17.5°	652.3	648.6	644.2	639.0	635.3	631.5	627.2	622.9	618.2	613.9	610.8
20°	644.2	640.2	636.5	631.2	628.1	624.1	620.1	615.4	611.7	607.4	604.0
22.5°	632.2	628.4	625.0	621.9	617.0	613.9	611.1	605.8	602.1	598.1	594.4
25°	614.8	611.1	608.3	604.6	602.4	599.0	596.2	591.6	588.2	584.4	581.3
27.5°	586.3	584.1	582.6	580.4	578.5	577.0	575.4	571.7	569.2	565.8	562.7
30°	543.5	543.2	542.3	541.4	542.6	542.6	542.6	542.0	539.8	537.3	535.2
32.5°	488.7	489.3	490.5	491.5	493.9	496.7	499.2	500.5	500.5	498.9	498.0
35°	423.3	424.2	426.1	428.6	431.7	435.1	440.6	441.9	442.8	442.8	441.6
37.5°	355.4	355.1	357.0	359.2	361.0	363.5	367.5	368.5	370.0	369.4	368.1
40°	289.4	287.9	287.3	287.9	290.0	289.1	290.0	289.4	289.4	287.3	287.3
42.5°	228.4	226.5	225.3	224.4	224.4	222.2	220.6	219.1	218.2	216.6	216.3
45°	176.0	173.8	172.3	171.7	170.7	168.0	166.1	164.2	162.1	161.5	161.8
47.5°	136.7	134.5	133.9	132.3	130.8	129.2	128.0	125.8	125.5	124.3	125.5
50°	105.4	104.7	103.8	103.2	102.3	101.0	99.8	98.5	97.9	97.9	98.2
52.5°	81.8	82.1	81.2	80.3	79.6	79.6	78.1	77.8	77.8	76.5	77.8
55°	62.6	62.3	62.6	62.0	62.0	61.0	61.0	60.1	60.1	59.2	59.8
57.5°	45.9	46.5	45.9	46.2	46.8	45.9	45.5	44.6	45.2	44.6	44.9
60°	35.6	35.6	35.6	35.3	35.3	35.0	35.0	34.7	34.7	34.1	34.7
62.5°	26.3	26.6	26.6	26.6	27.0	26.6	26.3	26.6	26.3	26.3	26.6
65°	17.4	17.7	17.7	17.4	18.0	17.4	17.7	18.0	18.3	18.0	18.3
67.5°	11.8	11.8	12.1	12.4	12.1	12.4	12.7	12.4	12.7	13.3	12.7
70°	8.7	9.0	9.0	8.7	8.4	8.7	8.4	9.3	9.3	9.3	9.9
72.5°	5.6	5.6	5.3	5.3	5.3	5.3	5.3	6.2	5.6	5.3	5.9
75°	3.1	3.4	3.4	2.5	2.8	3.4	2.5	2.8	3.7	3.1	3.7
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.2	2.2	2.2	2.5
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.9	1.5	1.5	1.9
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: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	634.0	634.0	633.7	633.1	631.8	631.8	631.5	630.6	630.0	629.7	629.7
5°	630.9	629.7	628.4	625.0	625.0	624.4	622.6	621.3	620.7	619.1	618.5
7.5°	628.1	624.4	622.2	620.1	617.3	616.0	613.9	612.9	610.8	609.2	608.3
10°	621.3	618.8	616.0	612.6	610.5	608.0	605.5	603.6	600.9	599.3	598.1
12.5°	616.7	612.9	610.5	606.7	603.0	600.9	597.5	595.3	592.5	589.4	587.5
15°	612.3	608.3	604.9	600.9	596.8	594.4	590.3	587.8	583.8	580.7	578.5
17.5°	605.8	602.4	598.7	593.7	590.0	586.9	582.6	579.5	575.8	571.7	569.6
20°	599.0	595.0	591.3	586.3	582.6	578.9	574.5	571.1	566.8	563.1	560.6
22.5°	590.0	585.4	582.3	577.3	573.0	568.9	564.9	560.9	556.9	553.8	551.0
25°	577.0	572.0	568.6	564.6	560.6	557.5	552.5	550.0	546.0	543.2	540.4
27.5°	558.4	554.7	551.6	547.6	544.1	541.7	537.9	535.5	532.1	529.6	527.4
30°	531.1	528.0	525.2	521.2	518.7	516.6	513.2	511.0	508.5	505.7	505.1
32.5°	494.6	492.1	489.3	486.5	484.6	483.4	480.6	479.4	476.9	475.3	473.8
35°	439.4	437.2	435.7	434.5	433.8	434.1	433.5	434.8	435.4	435.1	435.4
37.5°	367.2	366.0	366.6	367.5	370.6	374.6	378.4	383.9	387.7	391.4	394.8
40°	286.6	287.6	290.0	295.6	303.7	312.7	321.0	331.6	342.1	349.5	356.4
42.5°	216.3	219.1	225.3	233.3	245.4	258.7	271.8	287.3	300.0	312.4	321.0
45°	162.7	166.4	174.5	185.6	198.9	214.4	230.9	248.2	263.4	276.1	285.7
47.5°	126.7	130.2	138.2	150.0	166.4	182.5	199.6	217.5	233.3	245.7	254.1
50°	100.1	104.4	111.6	124.0	140.4	157.4	175.1	192.7	207.6	218.2	225.6
52.5°	78.7	82.7	89.6	102.6	119.3	136.3	152.8	170.1	183.1	193.4	198.3
55°	61.0	64.8	71.9	82.7	98.5	115.3	131.7	146.6	158.7	166.1	170.7
57.5°	46.5	49.3	54.2	65.1	79.3	94.8	108.8	123.6	132.9	138.2	141.3
60°	35.3	37.5	42.8	51.1	64.1	77.5	89.2	100.4	107.8	112.2	115.3
62.5°	26.6	29.1	32.8	40.0	49.9	60.7	70.6	79.0	85.2	88.0	90.2
65°	18.3	20.1	22.9	28.5	36.9	44.6	52.4	58.6	62.6	65.7	66.9
67.5°	13.6	14.9	16.4	20.8	26.6	32.8	38.1	42.4	46.8	48.0	50.2
70°	10.2	11.2	12.7	15.8	19.2	23.5	27.9	30.4	33.5	35.6	36.3
72.5°	6.5	6.8	8.4	10.2	13.0	15.8	18.6	20.8	22.6	23.9	24.5
75°	3.7	5.6	5.6	7.4	9.3	10.5	12.4	13.9	14.9	15.8	15.8
77.5°	2.5	3.4	3.7	4.6	5.6	7.1	8.7	9.6	10.5	10.8	10.8
80°	2.2	2.5	2.5	3.4	4.0	5.3	6.2	6.5	7.1	7.4	8.1
82.5°	0.9	1.2	1.5	2.5	2.8	2.8	3.7	4.0	4.6	5.0	5.0
85°	0.3	0.6	0.6	0.9	1.5	1.9	2.2	2.5	2.8	2.8	3.1
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.9	1.9
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: P245838

CATALOG NUMBER: LSR8B10D010 EC8B10850 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	634.6	634.6	634.6	634.6	634.6	634.6	634.6
2.5°	629.1	629.4	628.1	627.8	627.2	627.5	628.1
5°	617.6	617.9	616.7	615.4	615.4	615.1	615.4
7.5°	606.7	607.1	605.2	604.6	603.3	603.6	603.6
10°	595.9	595.9	593.1	592.8	591.9	591.6	591.6
12.5°	585.4	584.4	582.3	581.0	581.6	579.8	579.8
15°	576.1	574.5	571.7	570.8	569.2	568.6	568.6
17.5°	566.5	565.2	562.7	560.9	559.0	558.7	559.0
20°	557.2	555.9	552.8	551.6	550.0	550.0	549.4
22.5°	547.9	546.6	543.8	542.9	540.7	540.7	541.0
25°	538.3	537.3	534.2	533.6	533.3	532.1	532.7
27.5°	525.2	524.6	522.1	521.2	520.0	519.7	520.3
30°	501.4	500.5	498.6	497.7	495.5	495.8	496.4
32.5°	471.6	470.4	467.9	467.0	465.1	464.5	464.8
35°	434.5	433.5	431.4	431.4	429.5	428.9	429.5
37.5°	396.7	397.6	396.7	397.6	396.7	396.3	396.7
40°	361.0	364.4	365.0	368.5	367.2	369.1	368.8
42.5°	326.9	332.5	334.7	337.5	336.8	338.1	339.0
45°	292.5	297.2	299.3	301.2	301.5	302.1	302.4
47.5°	260.0	263.7	264.0	266.2	265.9	265.9	266.8
50°	229.6	232.1	232.7	234.3	233.0	232.4	232.7
52.5°	201.4	203.9	203.3	203.9	202.4	201.7	202.0
55°	172.6	173.8	173.8	173.8	172.0	172.0	172.0
57.5°	143.2	143.5	142.9	143.2	142.9	141.0	140.7
60°	116.2	116.2	115.9	116.2	115.3	114.3	114.3
62.5°	90.8	91.4	92.7	91.4	90.8	91.4	90.5
65°	67.9	69.1	68.8	69.4	69.1	69.1	68.5
67.5°	51.1	51.4	51.7	52.1	52.1	52.1	52.1
70°	37.5	38.4	38.1	38.1	38.1	38.1	40.0
72.5°	25.1	26.3	26.0	26.6	26.6	27.3	26.6
75°	17.0	18.3	17.7	18.6	18.3	17.7	19.2
77.5°	11.5	12.1	12.4	12.7	12.4	12.1	12.4
80°	8.1	8.7	8.4	8.7	8.7	8.7	9.0
82.5°	5.0	5.9	5.6	5.9	5.6	5.9	5.9
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.0
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)