

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: P245964

Luminaire Tested: **LSR8B10D010 EC8B10830 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245964
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 EC8B10830 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1085.0 lumens
Efficiency: N/A
Efficacy: 106.4 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

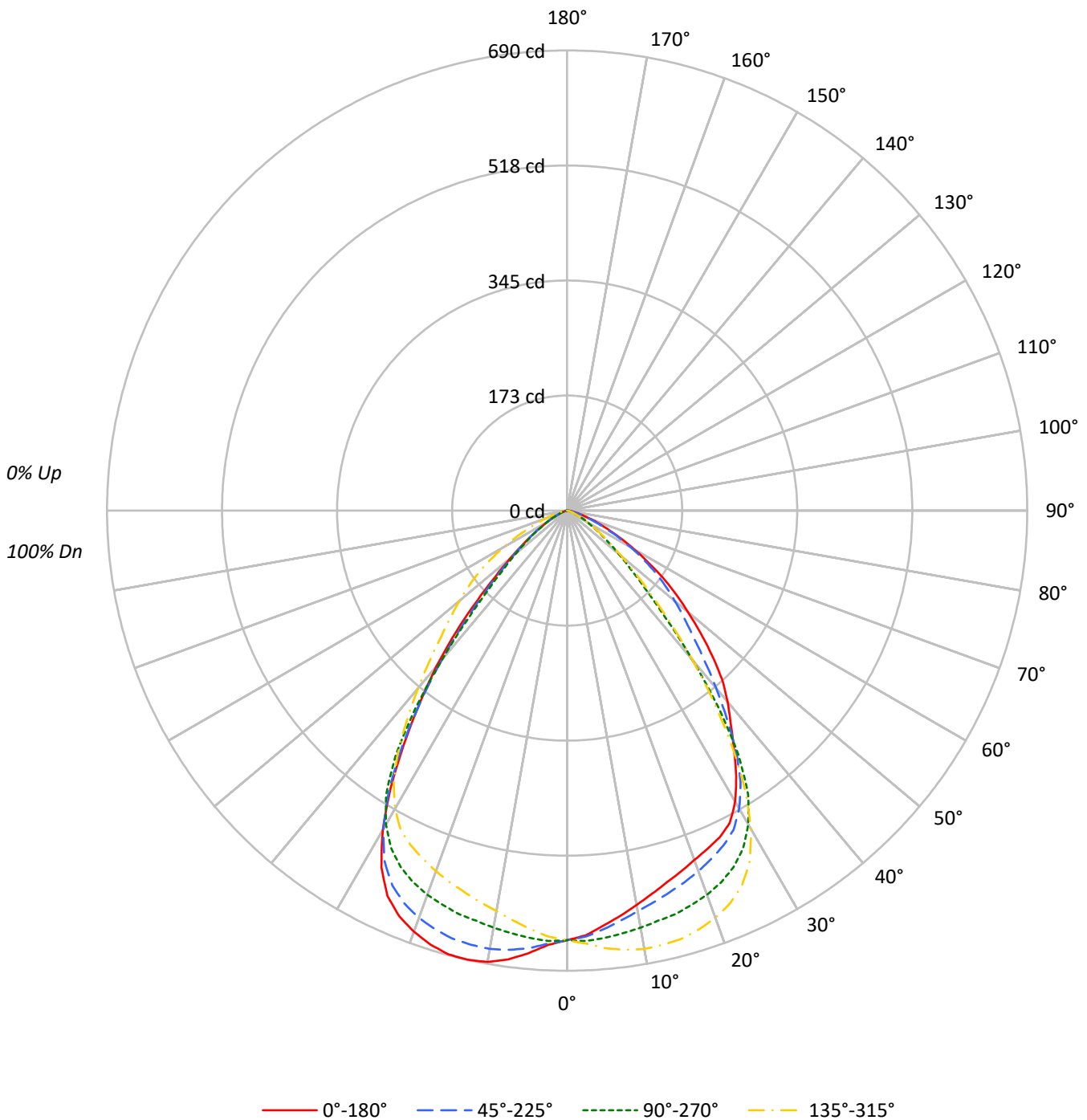
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

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°	19862	19862	19862	19862
5°	19334	19910	20622	19910
10°	18800	19883	21518	19883
15°	18423	20000	21989	20000
20°	18298	20116	22045	20116
25°	18397	20074	21690	20074
30°	17939	19342	19687	19342
35°	16409	16872	16006	16872
40°	15067	11738	12257	11738
45°	13388	7161	8286	7161
50°	11331	4783	5311	4783
55°	9387	3263	3451	3263
60°	7160	2171	2189	2171
65°	5071	1357	1240	1357
70°	3660	911	820	911
75°	2323	453	369	453
80°	1616	337	284	337
85°	1451	0	106	0



TEST NUMBER: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	5.7
10°-20°	177.5	16.4
20°-30°	268.8	24.8
30°-40°	269.4	24.8
40°-50°	169.2	15.6
50°-60°	90.2	8.3
60°-70°	37.1	3.4
70°-80°	9.8	0.9
80°-90°	1.7	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°	507.7	46.8
0°-40°	777.1	71.6
0°-60°	1036.5	95.5
0°-90°	1085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	644	644	644	644	644	
5°	625	643	666	643	625	59
15°	577	626	689	626	577	163
25°	541	590	638	590	541	248
35°	436	448	425	448	436	273
45°	307	164	190	164	307	236
55°	175	61	64	61	175	156
65°	70	19	17	19	70	72
75°	20	4	3	4	20	22
85°	4	0	0	0	4	5
90°	0	0	0	0	0	



TEST NUMBER: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	637.5	636.9	636.6	637.2	637.5	638.8	638.5	639.1	639.1	639.4	640.0
5°	624.6	624.3	624.6	624.6	625.9	627.1	626.8	627.8	628.4	630.0	630.6
7.5°	612.7	612.7	612.4	613.6	614.3	616.1	615.8	617.4	618.3	619.9	622.1
10°	600.4	600.4	600.7	601.7	602.0	604.8	604.8	607.0	608.3	609.8	612.7
12.5°	588.5	588.5	590.4	589.7	591.0	593.2	594.1	596.3	598.2	601.4	604.2
15°	577.1	577.1	577.8	579.3	580.3	583.1	584.7	587.2	589.4	592.6	596.6
17.5°	567.4	567.1	567.4	569.3	571.2	573.7	574.9	578.1	580.3	584.4	588.2
20°	557.6	558.3	558.3	559.8	561.1	564.2	565.5	569.0	571.5	575.2	579.7
22.5°	549.1	548.8	548.8	551.0	552.0	554.8	556.1	559.2	562.0	565.2	569.3
25°	540.7	540.0	541.3	541.6	542.2	545.4	546.3	548.5	551.3	554.2	558.3
27.5°	528.1	527.4	527.8	529.0	530.0	532.5	533.1	535.3	537.5	540.0	543.5
30°	503.8	503.2	502.9	505.1	506.1	507.9	508.9	512.7	513.3	516.1	518.6
32.5°	471.8	471.5	472.1	474.0	474.9	477.4	478.7	480.9	482.5	484.0	486.6
35°	435.9	435.3	435.9	437.8	437.8	440.0	441.0	441.9	441.6	441.9	441.3
37.5°	402.6	402.3	402.6	403.5	402.6	403.5	402.6	400.7	397.2	393.5	389.7
40°	374.3	374.6	372.7	374.0	370.5	369.9	366.4	361.7	354.8	347.2	336.5
42.5°	344.1	343.1	341.9	342.5	339.7	337.5	331.8	325.8	317.0	304.5	291.6
45°	307.0	306.7	306.0	305.7	303.8	301.6	296.9	290.0	280.2	267.3	251.9
47.5°	270.8	269.9	269.9	270.2	268.0	267.7	263.9	257.9	249.4	236.8	220.8
50°	236.2	235.9	236.5	237.8	236.2	235.6	233.1	229.0	221.4	210.7	195.6
52.5°	205.1	204.8	205.4	207.0	206.3	207.0	204.4	201.3	196.3	185.9	172.7
55°	174.6	174.6	174.6	176.4	176.4	176.4	175.2	173.3	168.6	161.0	148.8
57.5°	142.8	143.1	145.0	145.3	145.0	145.6	145.3	143.4	140.3	134.9	125.5
60°	116.1	116.1	117.0	117.9	117.6	117.9	117.9	117.0	113.9	109.5	101.9
62.5°	91.8	92.8	92.1	92.8	94.0	92.8	92.1	91.5	89.3	86.5	80.2
65°	69.5	70.1	70.1	70.5	69.8	70.1	68.9	67.9	66.7	63.5	59.4
67.5°	52.8	52.8	52.8	52.8	52.5	52.2	51.9	51.0	48.8	47.5	43.1
70°	40.6	38.7	38.7	38.7	38.7	39.0	38.1	36.8	36.2	34.0	30.8
72.5°	27.0	27.7	27.0	27.0	26.4	26.7	25.5	24.8	24.2	23.0	21.1
75°	19.5	17.9	18.6	18.9	17.9	18.6	17.3	16.0	16.0	15.1	14.1
77.5°	12.6	12.3	12.6	12.9	12.6	12.3	11.6	11.0	11.0	10.7	9.7
80°	9.1	8.8	8.8	8.8	8.5	8.8	8.2	8.2	7.5	7.2	6.6
82.5°	6.0	6.0	5.7	6.0	5.7	6.0	5.0	5.0	5.0	4.7	4.1
85°	4.1	3.5	3.5	3.8	3.1	3.8	3.5	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	1.3	1.3
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: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	641.0	641.3	641.3	642.6	643.2	643.5	643.5	646.0	645.1	645.7	646.3
5°	631.9	633.7	634.4	634.4	637.8	639.1	640.3	643.2	643.5	645.4	647.6
7.5°	623.1	625.3	626.5	629.3	631.5	633.7	637.5	639.4	641.3	643.8	646.6
10°	614.6	617.1	619.6	621.8	625.3	628.1	630.6	635.0	637.2	640.7	644.4
12.5°	606.4	609.8	612.1	615.8	619.6	622.1	625.9	630.0	633.4	636.9	641.3
15°	599.2	603.2	605.8	609.8	613.9	617.4	621.5	626.5	629.0	633.1	637.2
17.5°	591.3	595.7	598.8	602.6	607.6	611.4	614.9	619.9	623.1	627.5	632.2
20°	583.1	587.5	591.3	595.1	600.1	603.9	608.0	613.0	616.5	620.9	624.6
22.5°	573.4	577.5	581.5	585.9	591.0	594.1	598.8	603.2	607.0	611.1	614.9
25°	560.8	565.8	569.0	573.0	577.1	580.6	585.6	590.0	593.2	597.0	600.4
27.5°	546.0	549.8	552.3	555.7	559.8	563.0	566.8	571.2	574.3	577.8	580.3
30°	520.8	524.3	526.5	529.0	533.1	535.9	539.1	543.2	545.4	547.9	550.1
32.5°	487.8	490.6	491.9	493.8	496.6	499.4	502.0	505.4	506.4	507.9	507.9
35°	440.0	440.6	440.3	441.0	442.2	443.8	446.0	448.2	449.4	449.4	448.5
37.5°	384.0	380.3	376.2	373.0	372.1	371.4	372.7	373.6	374.9	375.5	374.0
40°	325.8	317.4	308.2	300.0	294.4	291.9	290.9	291.6	291.6	293.8	293.8
42.5°	275.8	262.6	249.1	236.8	228.6	222.4	219.5	219.5	219.8	221.4	222.4
45°	234.3	217.6	201.9	188.4	177.1	168.9	165.1	164.2	163.9	164.5	166.7
47.5°	202.5	185.3	168.9	152.2	140.3	132.1	128.6	127.4	126.1	127.4	127.7
50°	177.7	159.8	142.5	125.8	113.2	106.0	101.6	99.7	99.4	99.4	100.0
52.5°	155.1	138.4	121.1	104.1	90.9	84.0	79.9	78.9	77.7	78.9	78.9
55°	133.7	117.0	100.0	84.0	73.0	65.7	62.0	60.7	60.1	61.0	61.0
57.5°	110.4	96.2	80.5	66.0	55.0	50.0	47.2	45.6	45.3	45.9	45.3
60°	90.6	78.6	65.1	51.9	43.4	38.1	35.9	35.2	34.6	35.2	35.2
62.5°	71.7	61.6	50.6	40.6	33.3	29.6	27.0	27.0	26.7	26.7	27.0
65°	53.2	45.3	37.4	28.9	23.3	20.4	18.6	18.6	18.2	18.6	18.2
67.5°	38.7	33.3	27.0	21.1	16.7	15.1	13.8	12.9	13.5	12.9	12.6
70°	28.3	23.9	19.5	16.0	12.9	11.3	10.4	10.1	9.4	9.4	9.4
72.5°	18.9	16.0	13.2	10.4	8.5	6.9	6.6	6.0	5.3	5.7	6.3
75°	12.6	10.7	9.4	7.5	5.7	5.7	3.8	3.8	3.1	3.8	2.8
77.5°	8.8	7.2	5.7	4.7	3.8	3.5	2.5	2.5	2.2	2.2	2.2
80°	6.3	5.3	4.1	3.5	2.5	2.5	2.2	1.9	1.6	1.6	1.9
82.5°	3.8	2.8	2.8	2.5	1.6	1.3	0.9	1.3	0.6	0.6	0.6
85°	2.2	1.9	1.6	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	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: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	647.9	647.6	648.2	648.2	650.1	649.8	650.7	650.7	650.1	650.4	651.7
5°	650.1	651.1	652.9	654.5	657.3	658.6	660.2	661.7	662.1	663.0	664.0
7.5°	650.1	653.3	655.5	658.3	662.1	664.3	667.7	670.6	671.8	673.4	675.3
10°	648.8	652.0	656.1	659.2	664.0	667.4	670.9	675.3	677.2	679.7	682.2
12.5°	646.3	649.8	654.2	658.3	663.6	666.8	671.2	675.3	678.1	681.6	684.4
15°	642.6	646.6	650.7	654.8	660.5	664.3	668.4	673.1	675.9	679.7	682.2
17.5°	636.6	641.0	644.8	648.5	653.9	658.3	662.1	666.5	669.3	672.4	675.9
20°	629.3	633.4	637.5	640.7	646.0	649.8	653.9	658.0	660.2	660.8	666.2
22.5°	620.2	623.1	626.2	631.2	634.4	637.8	641.6	645.4	647.6	651.1	652.9
25°	605.1	608.0	611.4	613.6	617.4	620.2	624.0	628.1	629.3	631.9	633.7
27.5°	584.1	585.6	587.2	589.1	591.3	592.9	595.1	597.0	598.2	599.5	600.7
30°	550.7	550.7	550.7	549.5	550.4	551.3	551.7	551.3	551.3	551.0	551.0
32.5°	506.7	504.2	501.3	498.8	497.9	496.6	496.0	495.0	493.5	492.5	492.8
35°	447.2	441.6	438.1	435.0	432.5	430.6	429.6	428.7	428.4	427.1	425.9
37.5°	373.0	368.9	366.4	364.5	362.3	360.4	360.7	361.1	362.0	361.4	361.7
40°	294.4	293.4	294.4	292.2	291.6	292.2	293.8	296.0	297.2	298.5	300.7
42.5°	223.9	225.5	227.7	227.7	228.6	229.9	231.8	235.3	237.1	239.3	241.9
45°	168.6	170.5	173.3	174.2	174.9	176.4	178.7	181.5	182.7	184.6	186.8
47.5°	129.9	131.2	132.7	134.3	135.9	136.5	138.7	138.7	140.3	141.5	142.2
50°	101.3	102.5	103.8	104.7	105.4	106.3	106.9	107.9	108.2	108.8	109.1
52.5°	79.3	80.8	80.8	81.5	82.4	83.3	83.0	83.3	83.7	83.7	84.6
55°	62.0	62.0	62.9	62.9	63.5	63.2	63.5	63.5	63.5	63.5	63.8
57.5°	46.2	46.6	47.5	46.9	46.6	47.2	46.6	47.2	46.9	47.5	46.6
60°	35.5	35.5	35.9	35.9	36.2	36.2	36.2	35.9	35.9	35.5	35.5
62.5°	26.7	27.0	27.4	27.0	27.0	27.0	26.7	26.7	26.4	26.1	26.1
65°	17.9	17.6	18.2	17.6	17.9	17.9	17.6	17.9	17.0	17.3	17.0
67.5°	12.9	12.6	12.3	12.6	12.3	11.9	11.9	12.3	12.6	11.6	11.6
70°	8.5	8.8	8.5	8.8	9.1	9.1	8.8	8.5	8.8	8.2	8.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.0	5.0	4.7
75°	2.5	3.5	2.8	2.5	3.5	3.5	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	1.6	1.9	1.6
80°	1.3	1.3	1.3	0.9	1.3	1.3	1.6	1.3	1.3	0.9	1.6
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: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	651.4	651.1	651.4	651.7	651.4	651.1	651.4	651.7	650.4	650.1	650.7
5°	665.2	665.2	665.8	666.2	665.8	665.2	665.2	664.0	663.0	662.1	661.7
7.5°	677.2	677.8	678.4	678.7	678.4	677.8	677.2	675.3	673.4	671.8	670.6
10°	684.4	685.3	686.6	687.2	686.6	685.3	684.4	682.2	679.7	677.2	675.3
12.5°	687.5	688.5	690.0	689.7	690.0	688.5	687.5	684.4	681.6	678.1	675.3
15°	685.3	686.6	688.2	688.8	688.2	686.6	685.3	682.2	679.7	675.9	673.1
17.5°	678.4	680.3	681.2	682.2	681.2	680.3	678.4	675.9	672.4	669.3	666.5
20°	669.0	670.2	671.5	671.8	671.5	670.2	669.0	666.2	660.8	660.2	658.0
22.5°	655.5	656.4	659.2	658.3	659.2	656.4	655.5	652.9	651.1	647.6	645.4
25°	635.9	636.9	637.2	637.5	637.2	636.9	635.9	633.7	631.9	629.3	628.1
27.5°	602.3	602.3	602.9	603.2	602.9	602.3	602.3	600.7	599.5	598.2	597.0
30°	551.3	551.3	551.3	552.9	551.3	551.3	551.3	551.0	551.0	551.3	551.3
32.5°	492.5	491.9	491.3	491.9	491.3	491.9	492.5	492.8	492.5	493.5	495.0
35°	425.9	425.5	426.5	425.2	426.5	425.5	425.9	425.9	427.1	428.4	428.7
37.5°	362.0	361.4	362.6	361.4	362.6	361.4	362.0	361.7	361.4	362.0	361.1
40°	301.3	301.9	301.9	304.5	301.9	301.9	301.3	300.7	298.5	297.2	296.0
42.5°	243.1	245.0	244.4	246.3	244.4	245.0	243.1	241.9	239.3	237.1	235.3
45°	188.1	189.3	189.3	190.0	189.3	189.3	188.1	186.8	184.6	182.7	181.5
47.5°	144.4	144.4	144.4	144.7	144.4	144.4	144.4	142.2	141.5	140.3	138.7
50°	109.8	110.1	110.4	110.7	110.4	110.1	109.8	109.1	108.8	108.2	107.9
52.5°	84.3	84.6	84.0	84.6	84.0	84.6	84.3	84.6	83.7	83.7	83.3
55°	63.8	63.5	63.8	64.2	63.8	63.5	63.8	63.8	63.5	63.5	63.5
57.5°	46.9	46.2	46.2	46.2	46.2	46.2	46.9	46.6	47.5	46.9	47.2
60°	34.9	35.2	35.2	35.5	35.2	35.2	34.9	35.5	35.5	35.9	35.9
62.5°	25.8	26.7	26.1	26.7	26.1	26.7	25.8	26.1	26.1	26.4	26.7
65°	16.7	16.7	16.7	17.0	16.7	16.7	16.7	17.0	17.3	17.0	17.9
67.5°	11.3	11.6	12.3	11.9	12.3	11.6	11.3	11.6	11.6	12.6	12.3
70°	9.1	8.2	8.2	9.1	8.2	8.2	9.1	8.5	8.2	8.8	8.5
72.5°	5.3	4.7	5.3	5.3	5.3	4.7	5.3	4.7	5.0	5.0	5.7
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	1.6	2.2	2.2	2.2	1.6	1.9	1.6	1.9	1.6	1.9
80°	0.9	1.3	0.9	1.6	0.9	1.3	0.9	1.6	0.9	1.3	1.3
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: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	650.7	649.8	650.1	648.2	648.2	647.6	647.9	646.3	645.7	645.1	646.0
5°	660.2	658.6	657.3	654.5	652.9	651.1	650.1	647.6	645.4	643.5	643.2
7.5°	667.7	664.3	662.1	658.3	655.5	653.3	650.1	646.6	643.8	641.3	639.4
10°	670.9	667.4	664.0	659.2	656.1	652.0	648.8	644.4	640.7	637.2	635.0
12.5°	671.2	666.8	663.6	658.3	654.2	649.8	646.3	641.3	636.9	633.4	630.0
15°	668.4	664.3	660.5	654.8	650.7	646.6	642.6	637.2	633.1	629.0	626.5
17.5°	662.1	658.3	653.9	648.5	644.8	641.0	636.6	632.2	627.5	623.1	619.9
20°	653.9	649.8	646.0	640.7	637.5	633.4	629.3	624.6	620.9	616.5	613.0
22.5°	641.6	637.8	634.4	631.2	626.2	623.1	620.2	614.9	611.1	607.0	603.2
25°	624.0	620.2	617.4	613.6	611.4	608.0	605.1	600.4	597.0	593.2	590.0
27.5°	595.1	592.9	591.3	589.1	587.2	585.6	584.1	580.3	577.8	574.3	571.2
30°	551.7	551.3	550.4	549.5	550.7	550.7	550.7	550.1	547.9	545.4	543.2
32.5°	496.0	496.6	497.9	498.8	501.3	504.2	506.7	507.9	507.9	506.4	505.4
35°	429.6	430.6	432.5	435.0	438.1	441.6	447.2	448.5	449.4	449.4	448.2
37.5°	360.7	360.4	362.3	364.5	366.4	368.9	373.0	374.0	375.5	374.9	373.6
40°	293.8	292.2	291.6	292.2	294.4	293.4	294.4	293.8	293.8	291.6	291.6
42.5°	231.8	229.9	228.6	227.7	227.7	225.5	223.9	222.4	221.4	219.8	219.5
45°	178.7	176.4	174.9	174.2	173.3	170.5	168.6	166.7	164.5	163.9	164.2
47.5°	138.7	136.5	135.9	134.3	132.7	131.2	129.9	127.7	127.4	126.1	127.4
50°	106.9	106.3	105.4	104.7	103.8	102.5	101.3	100.0	99.4	99.4	99.7
52.5°	83.0	83.3	82.4	81.5	80.8	80.8	79.3	78.9	78.9	77.7	78.9
55°	63.5	63.2	63.5	62.9	62.9	62.0	62.0	61.0	61.0	60.1	60.7
57.5°	46.6	47.2	46.6	46.9	47.5	46.6	46.2	45.3	45.9	45.3	45.6
60°	36.2	36.2	36.2	35.9	35.9	35.5	35.5	35.2	35.2	34.6	35.2
62.5°	26.7	27.0	27.0	27.0	27.4	27.0	26.7	27.0	26.7	26.7	27.0
65°	17.6	17.9	17.9	17.6	18.2	17.6	17.9	18.2	18.6	18.2	18.6
67.5°	11.9	11.9	12.3	12.6	12.3	12.6	12.9	12.6	12.9	13.5	12.9
70°	8.8	9.1	9.1	8.8	8.5	8.8	8.5	9.4	9.4	9.4	10.1
72.5°	5.7	5.7	5.3	5.3	5.3	5.3	5.3	6.3	5.7	5.3	6.0
75°	3.1	3.5	3.5	2.5	2.8	3.5	2.5	2.8	3.8	3.1	3.8
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°	1.6	1.3	1.3	0.9	1.3	1.3	1.3	1.9	1.6	1.6	1.9
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.3
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: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	643.5	643.5	643.2	642.6	641.3	641.3	641.0	640.0	639.4	639.1	639.1
5°	640.3	639.1	637.8	634.4	634.4	633.7	631.9	630.6	630.0	628.4	627.8
7.5°	637.5	633.7	631.5	629.3	626.5	625.3	623.1	622.1	619.9	618.3	617.4
10°	630.6	628.1	625.3	621.8	619.6	617.1	614.6	612.7	609.8	608.3	607.0
12.5°	625.9	622.1	619.6	615.8	612.1	609.8	606.4	604.2	601.4	598.2	596.3
15°	621.5	617.4	613.9	609.8	605.8	603.2	599.2	596.6	592.6	589.4	587.2
17.5°	614.9	611.4	607.6	602.6	598.8	595.7	591.3	588.2	584.4	580.3	578.1
20°	608.0	603.9	600.1	595.1	591.3	587.5	583.1	579.7	575.2	571.5	569.0
22.5°	598.8	594.1	591.0	585.9	581.5	577.5	573.4	569.3	565.2	562.0	559.2
25°	585.6	580.6	577.1	573.0	569.0	565.8	560.8	558.3	554.2	551.3	548.5
27.5°	566.8	563.0	559.8	555.7	552.3	549.8	546.0	543.5	540.0	537.5	535.3
30°	539.1	535.9	533.1	529.0	526.5	524.3	520.8	518.6	516.1	513.3	512.7
32.5°	502.0	499.4	496.6	493.8	491.9	490.6	487.8	486.6	484.0	482.5	480.9
35°	446.0	443.8	442.2	441.0	440.3	440.6	440.0	441.3	441.9	441.6	441.9
37.5°	372.7	371.4	372.1	373.0	376.2	380.3	384.0	389.7	393.5	397.2	400.7
40°	290.9	291.9	294.4	300.0	308.2	317.4	325.8	336.5	347.2	354.8	361.7
42.5°	219.5	222.4	228.6	236.8	249.1	262.6	275.8	291.6	304.5	317.0	325.8
45°	165.1	168.9	177.1	188.4	201.9	217.6	234.3	251.9	267.3	280.2	290.0
47.5°	128.6	132.1	140.3	152.2	168.9	185.3	202.5	220.8	236.8	249.4	257.9
50°	101.6	106.0	113.2	125.8	142.5	159.8	177.7	195.6	210.7	221.4	229.0
52.5°	79.9	84.0	90.9	104.1	121.1	138.4	155.1	172.7	185.9	196.3	201.3
55°	62.0	65.7	73.0	84.0	100.0	117.0	133.7	148.8	161.0	168.6	173.3
57.5°	47.2	50.0	55.0	66.0	80.5	96.2	110.4	125.5	134.9	140.3	143.4
60°	35.9	38.1	43.4	51.9	65.1	78.6	90.6	101.9	109.5	113.9	117.0
62.5°	27.0	29.6	33.3	40.6	50.6	61.6	71.7	80.2	86.5	89.3	91.5
65°	18.6	20.4	23.3	28.9	37.4	45.3	53.2	59.4	63.5	66.7	67.9
67.5°	13.8	15.1	16.7	21.1	27.0	33.3	38.7	43.1	47.5	48.8	51.0
70°	10.4	11.3	12.9	16.0	19.5	23.9	28.3	30.8	34.0	36.2	36.8
72.5°	6.6	6.9	8.5	10.4	13.2	16.0	18.9	21.1	23.0	24.2	24.8
75°	3.8	5.7	5.7	7.5	9.4	10.7	12.6	14.1	15.1	16.0	16.0
77.5°	2.5	3.5	3.8	4.7	5.7	7.2	8.8	9.7	10.7	11.0	11.0
80°	2.2	2.5	2.5	3.5	4.1	5.3	6.3	6.6	7.2	7.5	8.2
82.5°	0.9	1.3	1.6	2.5	2.8	2.8	3.8	4.1	4.7	5.0	5.0
85°	0.3	0.6	0.6	0.9	1.6	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	1.3	1.3	1.3	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: P245964

CATALOG NUMBER: LSR8B10D010 EC8B10830 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	644.1	644.1	644.1	644.1	644.1	644.1	644.1
2.5°	638.5	638.8	637.5	637.2	636.6	636.9	637.5
5°	626.8	627.1	625.9	624.6	624.6	624.3	624.6
7.5°	615.8	616.1	614.3	613.6	612.4	612.7	612.7
10°	604.8	604.8	602.0	601.7	600.7	600.4	600.4
12.5°	594.1	593.2	591.0	589.7	590.4	588.5	588.5
15°	584.7	583.1	580.3	579.3	577.8	577.1	577.1
17.5°	574.9	573.7	571.2	569.3	567.4	567.1	567.4
20°	565.5	564.2	561.1	559.8	558.3	558.3	557.6
22.5°	556.1	554.8	552.0	551.0	548.8	548.8	549.1
25°	546.3	545.4	542.2	541.6	541.3	540.0	540.7
27.5°	533.1	532.5	530.0	529.0	527.8	527.4	528.1
30°	508.9	507.9	506.1	505.1	502.9	503.2	503.8
32.5°	478.7	477.4	474.9	474.0	472.1	471.5	471.8
35°	441.0	440.0	437.8	437.8	435.9	435.3	435.9
37.5°	402.6	403.5	402.6	403.5	402.6	402.3	402.6
40°	366.4	369.9	370.5	374.0	372.7	374.6	374.3
42.5°	331.8	337.5	339.7	342.5	341.9	343.1	344.1
45°	296.9	301.6	303.8	305.7	306.0	306.7	307.0
47.5°	263.9	267.7	268.0	270.2	269.9	269.9	270.8
50°	233.1	235.6	236.2	237.8	236.5	235.9	236.2
52.5°	204.4	207.0	206.3	207.0	205.4	204.8	205.1
55°	175.2	176.4	176.4	176.4	174.6	174.6	174.6
57.5°	145.3	145.6	145.0	145.3	145.0	143.1	142.8
60°	117.9	117.9	117.6	117.9	117.0	116.1	116.1
62.5°	92.1	92.8	94.0	92.8	92.1	92.8	91.8
65°	68.9	70.1	69.8	70.5	70.1	70.1	69.5
67.5°	51.9	52.2	52.5	52.8	52.8	52.8	52.8
70°	38.1	39.0	38.7	38.7	38.7	38.7	40.6
72.5°	25.5	26.7	26.4	27.0	27.0	27.7	27.0
75°	17.3	18.6	17.9	18.9	18.6	17.9	19.5
77.5°	11.6	12.3	12.6	12.9	12.6	12.3	12.6
80°	8.2	8.8	8.5	8.8	8.8	8.8	9.1
82.5°	5.0	6.0	5.7	6.0	5.7	6.0	6.0
85°	3.5	3.8	3.1	3.8	3.5	3.5	4.1
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)