

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: P244530

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244530
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 EC8B10835 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1140.0 lumens
Efficiency: N/A
Efficacy: 111.8 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

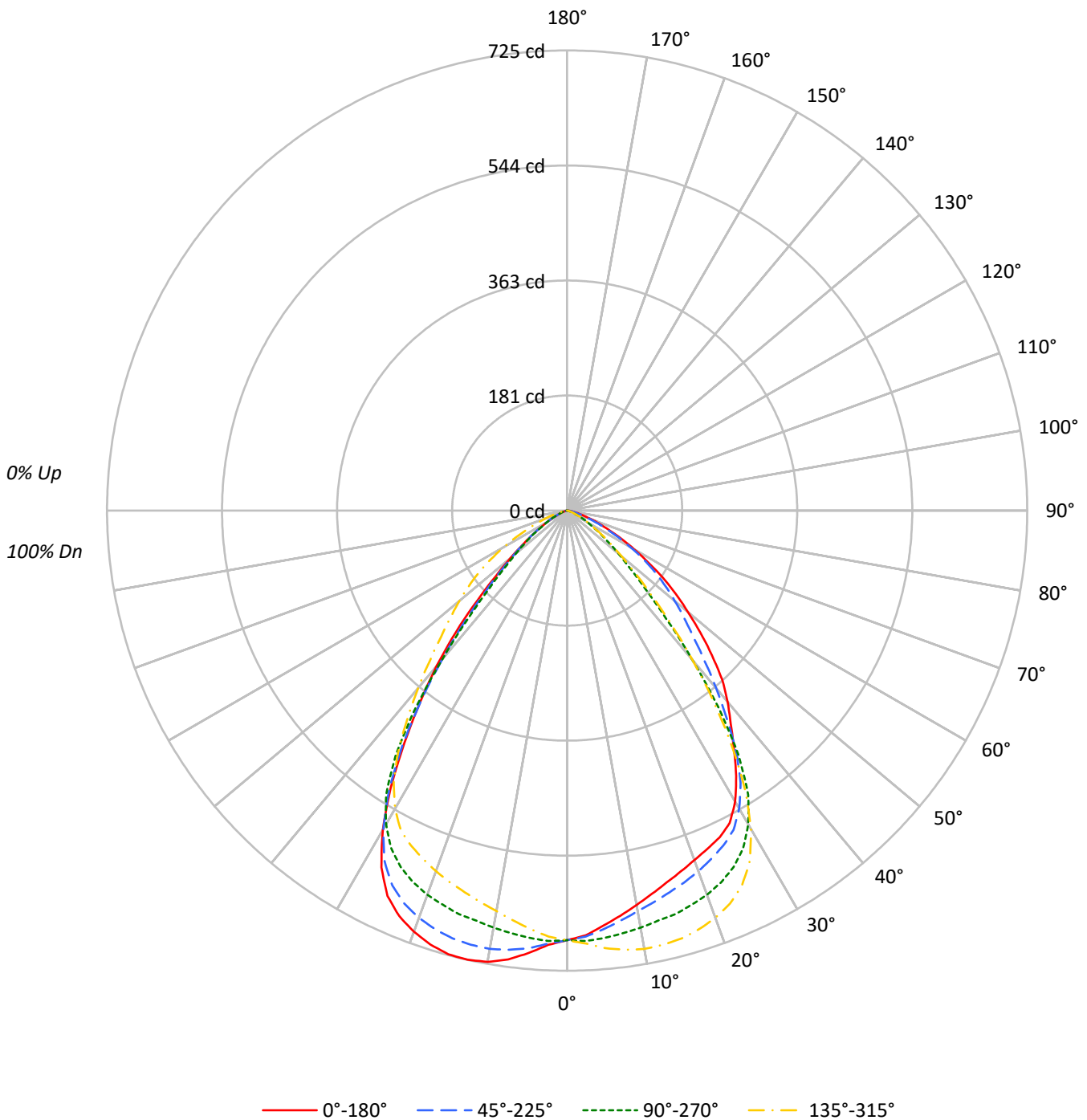
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

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°	20870	20870	20870	20870
5°	20315	20919	21665	20919
10°	19752	20891	22607	20891
15°	19359	21016	23103	21016
20°	19226	21136	23164	21136
25°	19329	21092	22789	21092
30°	18850	20321	20687	20321
35°	17241	17727	16819	17727
40°	15828	12330	12877	12330
45°	14064	7523	8704	7523
50°	11907	5023	5579	5023
55°	9860	3430	3624	3430
60°	7518	2282	2300	2282
65°	5326	1423	1299	1423
70°	3841	956	866	956
75°	2442	477	393	477
80°	1705	355	284	355
85°	1521	0	106	0



TEST NUMBER: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	5.7
10°-20°	186.5	16.4
20°-30°	282.5	24.8
30°-40°	283.1	24.8
40°-50°	177.8	15.6
50°-60°	94.7	8.3
60°-70°	39.0	3.4
70°-80°	10.3	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°	533.4	46.8
0°-40°	816.5	71.6
0°-60°	1089.0	95.5
0°-90°	1140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1140.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	677	677	677	677	677	
5°	656	676	700	676	656	62
15°	606	658	724	658	606	172
25°	568	620	670	620	568	261
35°	458	471	447	471	458	287
45°	322	172	200	172	322	248
55°	183	64	67	64	183	164
65°	73	20	18	20	73	76
75°	20	4	3	4	20	23
85°	4	0	0	0	4	5
90°	0	0	0	0	0	



TEST NUMBER: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	669.8	669.2	668.9	669.5	669.8	671.2	670.8	671.5	671.5	671.8	672.5
5°	656.3	656.0	656.3	656.3	657.6	658.9	658.6	659.6	660.3	661.9	662.6
7.5°	643.7	643.7	643.4	644.7	645.4	647.4	647.0	648.7	649.7	651.3	653.6
10°	630.8	630.8	631.2	632.2	632.5	635.5	635.5	637.8	639.1	640.8	643.7
12.5°	618.3	618.3	620.3	619.6	620.9	623.2	624.2	626.5	628.5	631.8	634.8
15°	606.4	606.4	607.1	608.7	609.7	612.7	614.3	617.0	619.3	622.6	626.9
17.5°	596.1	595.8	596.1	598.1	600.1	602.8	604.1	607.4	609.7	614.0	618.0
20°	585.9	586.6	586.6	588.2	589.5	592.8	594.2	597.8	600.4	604.4	609.0
22.5°	577.0	576.7	576.7	579.0	580.0	582.9	584.2	587.6	590.5	593.8	598.1
25°	568.1	567.4	568.7	569.1	569.7	573.0	574.0	576.3	579.3	582.3	586.6
27.5°	554.8	554.2	554.5	555.8	556.8	559.5	560.1	562.4	564.8	567.4	571.0
30°	529.4	528.7	528.4	530.7	531.7	533.7	534.7	538.7	539.3	542.3	544.9
32.5°	495.7	495.4	496.0	498.0	499.0	501.6	503.0	505.3	506.9	508.6	511.2
35°	458.0	457.4	458.0	460.0	460.0	462.3	463.3	464.3	464.0	464.3	463.6
37.5°	423.0	422.7	423.0	424.0	423.0	424.0	423.0	421.0	417.4	413.4	409.4
40°	393.2	393.6	391.6	392.9	389.3	388.6	385.0	380.0	372.8	364.8	353.6
42.5°	361.5	360.5	359.2	359.9	356.9	354.6	348.6	342.4	333.1	319.9	306.3
45°	322.5	322.2	321.5	321.2	319.2	316.9	311.9	304.7	294.4	280.9	264.7
47.5°	284.5	283.5	283.5	283.9	281.5	281.2	277.2	271.0	262.1	248.8	232.0
50°	248.2	247.8	248.5	249.8	248.2	247.5	244.9	240.6	232.6	221.4	205.5
52.5°	215.5	215.1	215.8	217.4	216.8	217.4	214.8	211.5	206.2	195.3	181.4
55°	183.4	183.4	183.4	185.4	185.4	185.4	184.1	182.1	177.1	169.2	156.3
57.5°	150.0	150.4	152.3	152.7	152.3	153.0	152.7	150.7	147.4	141.8	131.9
60°	121.9	121.9	122.9	123.9	123.6	123.9	123.9	122.9	119.6	115.0	107.1
62.5°	96.5	97.5	96.8	97.5	98.8	97.5	96.8	96.2	93.9	90.9	84.3
65°	73.0	73.7	73.7	74.0	73.4	73.7	72.4	71.4	70.1	66.8	62.5
67.5°	55.5	55.5	55.5	55.5	55.2	54.9	54.5	53.5	51.2	49.9	45.3
70°	42.6	40.6	40.6	40.6	40.6	41.0	40.0	38.7	38.0	35.7	32.4
72.5°	28.4	29.1	28.4	28.4	27.8	28.1	26.8	26.1	25.4	24.1	22.1
75°	20.5	18.8	19.5	19.8	18.8	19.5	18.2	16.9	16.9	15.9	14.9
77.5°	13.2	12.9	13.2	13.5	13.2	12.9	12.2	11.6	11.6	11.2	10.2
80°	9.6	9.2	9.2	9.2	8.9	9.2	8.6	8.6	7.9	7.6	6.9
82.5°	6.3	6.3	5.9	6.3	5.9	6.3	5.3	5.3	5.3	5.0	4.3
85°	4.3	3.6	3.6	4.0	3.3	4.0	3.6	3.3	3.0	3.0	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	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: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	673.5	673.8	673.8	675.1	675.8	676.1	676.1	678.8	677.8	678.4	679.1
5°	663.9	665.9	666.5	666.5	670.2	671.5	672.8	675.8	676.1	678.1	680.4
7.5°	654.6	657.0	658.3	661.2	663.6	665.9	669.8	671.8	673.8	676.5	679.4
10°	645.7	648.4	651.0	653.3	657.0	659.9	662.6	667.2	669.5	673.2	677.1
12.5°	637.1	640.8	643.1	647.0	651.0	653.6	657.6	661.9	665.5	669.2	673.8
15°	629.5	633.8	636.5	640.8	645.1	648.7	653.0	658.3	660.9	665.2	669.5
17.5°	621.3	625.9	629.2	633.2	638.5	642.4	646.1	651.3	654.6	659.3	664.2
20°	612.7	617.3	621.3	625.2	630.5	634.5	638.8	644.1	647.7	652.3	656.3
22.5°	602.4	606.7	611.0	615.6	620.9	624.2	629.2	633.8	637.8	642.1	646.1
25°	589.2	594.5	597.8	602.1	606.4	610.0	615.3	619.9	623.2	627.2	630.8
27.5°	573.7	577.7	580.3	583.9	588.2	591.5	595.5	600.1	603.4	607.1	609.7
30°	547.2	550.9	553.2	555.8	560.1	563.1	566.4	570.7	573.0	575.7	578.0
32.5°	512.5	515.5	516.8	518.8	521.8	524.8	527.4	531.0	532.0	533.7	533.7
35°	462.3	463.0	462.6	463.3	464.6	466.3	468.6	470.9	472.2	472.2	471.2
37.5°	403.5	399.5	395.2	391.9	390.9	390.3	391.6	392.6	393.9	394.6	392.9
40°	342.4	333.4	323.9	315.3	309.3	306.7	305.7	306.3	306.3	308.6	308.6
42.5°	289.8	275.9	261.7	248.8	240.2	233.6	230.7	230.7	231.0	232.6	233.6
45°	246.2	228.7	212.2	198.0	186.0	177.5	173.5	172.5	172.2	172.8	175.1
47.5°	212.8	194.6	177.5	159.9	147.4	138.8	135.2	133.8	132.5	133.8	134.2
50°	186.7	167.9	149.7	132.2	119.0	111.4	106.7	104.7	104.4	104.4	105.1
52.5°	162.9	145.4	127.2	109.4	95.5	88.2	83.9	82.9	81.6	82.9	82.9
55°	140.4	122.9	105.1	88.2	76.7	69.1	65.1	63.8	63.1	64.1	64.1
57.5°	116.0	101.1	84.6	69.4	57.8	52.5	49.6	47.9	47.6	48.2	47.6
60°	95.2	82.6	68.4	54.5	45.6	40.0	37.7	37.0	36.3	37.0	37.0
62.5°	75.3	64.8	53.2	42.6	35.0	31.1	28.4	28.4	28.1	28.1	28.4
65°	55.8	47.6	39.3	30.4	24.5	21.5	19.5	19.5	19.2	19.5	19.2
67.5°	40.6	35.0	28.4	22.1	17.5	15.9	14.5	13.5	14.2	13.5	13.2
70°	29.7	25.1	20.5	16.9	13.5	11.9	10.9	10.6	9.9	9.9	9.9
72.5°	19.8	16.9	13.9	10.9	8.9	7.3	6.9	6.3	5.6	5.9	6.6
75°	13.2	11.2	9.9	7.9	5.9	5.9	4.0	4.0	3.3	4.0	3.0
77.5°	9.2	7.6	5.9	5.0	4.0	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.6	5.6	4.3	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	4.0	3.0	3.0	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.6	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	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



TEST NUMBER: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	680.8	680.4	681.1	681.1	683.1	682.7	683.7	683.7	683.1	683.4	684.7
5°	683.1	684.1	686.0	687.7	690.7	692.0	693.6	695.3	695.6	696.6	697.6
7.5°	683.1	686.4	688.7	691.6	695.6	697.9	701.6	704.5	705.9	707.5	709.5
10°	681.7	685.0	689.3	692.6	697.6	701.2	704.9	709.5	711.5	714.1	716.8
12.5°	679.1	682.7	687.4	691.6	697.3	700.6	705.2	709.5	712.5	716.1	719.1
15°	675.1	679.4	683.7	688.0	694.0	697.9	702.2	707.2	710.2	714.1	716.8
17.5°	668.9	673.5	677.4	681.4	687.0	691.6	695.6	700.2	703.2	706.5	710.2
20°	661.2	665.5	669.8	673.2	678.8	682.7	687.0	691.3	693.6	694.3	699.9
22.5°	651.7	654.6	657.9	663.2	666.5	670.2	674.1	678.1	680.4	684.1	686.0
25°	635.8	638.8	642.4	644.7	648.7	651.7	655.6	659.9	661.2	663.9	665.9
27.5°	613.7	615.3	617.0	618.9	621.3	622.9	625.2	627.2	628.5	629.9	631.2
30°	578.6	578.6	578.6	577.3	578.3	579.3	579.6	579.3	579.3	579.0	579.0
32.5°	532.4	529.7	526.8	524.1	523.1	521.8	521.1	520.1	518.5	517.5	517.8
35°	469.9	464.0	460.3	457.0	454.4	452.4	451.4	450.4	450.1	448.8	447.4
37.5°	391.9	387.6	385.0	383.0	380.7	378.7	379.0	379.4	380.4	379.7	380.0
40°	309.3	308.3	309.3	307.0	306.3	307.0	308.6	311.0	312.3	313.6	315.9
42.5°	235.3	236.9	239.3	239.3	240.2	241.6	243.5	247.2	249.2	251.5	254.1
45°	177.1	179.1	182.1	183.1	183.7	185.4	187.7	190.7	192.0	194.0	196.3
47.5°	136.5	137.8	139.4	141.1	142.8	143.4	145.7	145.7	147.4	148.7	149.4
50°	106.4	107.7	109.0	110.0	110.7	111.7	112.4	113.3	113.7	114.3	114.7
52.5°	83.3	84.9	84.9	85.6	86.6	87.6	87.2	87.6	87.9	87.9	88.9
55°	65.1	65.1	66.1	66.1	66.8	66.4	66.8	66.8	66.8	66.8	67.1
57.5°	48.6	48.9	49.9	49.2	48.9	49.6	48.9	49.6	49.2	49.9	48.9
60°	37.3	37.3	37.7	37.7	38.0	38.0	38.0	37.7	37.7	37.3	37.3
62.5°	28.1	28.4	28.8	28.4	28.4	28.4	28.1	28.1	27.8	27.4	27.4
65°	18.8	18.5	19.2	18.5	18.8	18.8	18.5	18.8	17.8	18.2	17.8
67.5°	13.5	13.2	12.9	13.2	12.9	12.6	12.6	12.9	13.2	12.2	12.2
70°	8.9	9.2	8.9	9.2	9.6	9.6	9.2	8.9	9.2	8.6	8.9
72.5°	5.6	5.6	5.6	5.6	5.6	5.9	5.9	5.9	5.3	5.3	5.0
75°	2.6	3.6	3.0	2.6	3.6	3.6	3.3	3.3	3.0	3.0	3.0
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6	2.0	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	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: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	684.4	684.1	684.4	684.7	684.4	684.1	684.4	684.7	683.4	683.1	683.7
5°	698.9	698.9	699.6	699.9	699.6	698.9	698.9	697.6	696.6	695.6	695.3
7.5°	711.5	712.1	712.8	713.1	712.8	712.1	711.5	709.5	707.5	705.9	704.5
10°	719.1	720.1	721.4	722.0	721.4	720.1	719.1	716.8	714.1	711.5	709.5
12.5°	722.4	723.4	725.0	724.7	725.0	723.4	722.4	719.1	716.1	712.5	709.5
15°	720.1	721.4	723.0	723.7	723.0	721.4	720.1	716.8	714.1	710.2	707.2
17.5°	712.8	714.8	715.8	716.8	715.8	714.8	712.8	710.2	706.5	703.2	700.2
20°	702.9	704.2	705.5	705.9	705.5	704.2	702.9	699.9	694.3	693.6	691.3
22.5°	688.7	689.7	692.6	691.6	692.6	689.7	688.7	686.0	684.1	680.4	678.1
25°	668.2	669.2	669.5	669.8	669.5	669.2	668.2	665.9	663.9	661.2	659.9
27.5°	632.8	632.8	633.5	633.8	633.5	632.8	632.8	631.2	629.9	628.5	627.2
30°	579.3	579.3	579.3	581.0	579.3	579.3	579.3	579.0	579.0	579.3	579.3
32.5°	517.5	516.8	516.2	516.8	516.2	516.8	517.5	517.8	517.5	518.5	520.1
35°	447.4	447.1	448.1	446.8	448.1	447.1	447.4	447.4	448.8	450.1	450.4
37.5°	380.4	379.7	381.0	379.7	381.0	379.7	380.4	380.0	379.7	380.4	379.4
40°	316.6	317.2	317.2	319.9	317.2	317.2	316.6	315.9	313.6	312.3	311.0
42.5°	255.4	257.4	256.8	258.8	256.8	257.4	255.4	254.1	251.5	249.2	247.2
45°	197.6	198.9	198.9	199.6	198.9	198.9	197.6	196.3	194.0	192.0	190.7
47.5°	151.7	151.7	151.7	152.0	151.7	151.7	151.7	149.4	148.7	147.4	145.7
50°	115.3	115.7	116.0	116.3	116.0	115.7	115.3	114.7	114.3	113.7	113.3
52.5°	88.6	88.9	88.2	88.9	88.2	88.9	88.6	88.9	87.9	87.9	87.6
55°	67.1	66.8	67.1	67.4	67.1	66.8	67.1	67.1	66.8	66.8	66.8
57.5°	49.2	48.6	48.6	48.6	48.6	48.6	49.2	48.9	49.9	49.2	49.6
60°	36.7	37.0	37.0	37.3	37.0	37.0	36.7	37.3	37.3	37.7	37.7
62.5°	27.1	28.1	27.4	28.1	27.4	28.1	27.1	27.4	27.4	27.8	28.1
65°	17.5	17.5	17.5	17.8	17.5	17.5	17.5	17.8	18.2	17.8	18.8
67.5°	11.9	12.2	12.9	12.6	12.9	12.2	11.9	12.2	12.2	13.2	12.9
70°	9.6	8.6	8.6	9.6	8.6	8.6	9.6	8.9	8.6	9.2	8.9
72.5°	5.6	5.0	5.6	5.6	5.6	5.0	5.6	5.0	5.3	5.3	5.9
75°	3.0	2.6	2.3	3.3	2.3	2.6	3.0	3.0	3.0	3.0	3.3
77.5°	2.0	1.6	2.3	2.3	2.3	1.6	2.0	1.6	2.0	1.6	2.0
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	1.0	1.3	1.3
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	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: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	683.7	682.7	683.1	681.1	681.1	680.4	680.8	679.1	678.4	677.8	678.8
5°	693.6	692.0	690.7	687.7	686.0	684.1	683.1	680.4	678.1	676.1	675.8
7.5°	701.6	697.9	695.6	691.6	688.7	686.4	683.1	679.4	676.5	673.8	671.8
10°	704.9	701.2	697.6	692.6	689.3	685.0	681.7	677.1	673.2	669.5	667.2
12.5°	705.2	700.6	697.3	691.6	687.4	682.7	679.1	673.8	669.2	665.5	661.9
15°	702.2	697.9	694.0	688.0	683.7	679.4	675.1	669.5	665.2	660.9	658.3
17.5°	695.6	691.6	687.0	681.4	677.4	673.5	668.9	664.2	659.3	654.6	651.3
20°	687.0	682.7	678.8	673.2	669.8	665.5	661.2	656.3	652.3	647.7	644.1
22.5°	674.1	670.2	666.5	663.2	657.9	654.6	651.7	646.1	642.1	637.8	633.8
25°	655.6	651.7	648.7	644.7	642.4	638.8	635.8	630.8	627.2	623.2	619.9
27.5°	625.2	622.9	621.3	618.9	617.0	615.3	613.7	609.7	607.1	603.4	600.1
30°	579.6	579.3	578.3	577.3	578.6	578.6	578.6	578.0	575.7	573.0	570.7
32.5°	521.1	521.8	523.1	524.1	526.8	529.7	532.4	533.7	533.7	532.0	531.0
35°	451.4	452.4	454.4	457.0	460.3	464.0	469.9	471.2	472.2	472.2	470.9
37.5°	379.0	378.7	380.7	383.0	385.0	387.6	391.9	392.9	394.6	393.9	392.6
40°	308.6	307.0	306.3	307.0	309.3	308.3	309.3	308.6	308.6	306.3	306.3
42.5°	243.5	241.6	240.2	239.3	239.3	236.9	235.3	233.6	232.6	231.0	230.7
45°	187.7	185.4	183.7	183.1	182.1	179.1	177.1	175.1	172.8	172.2	172.5
47.5°	145.7	143.4	142.8	141.1	139.4	137.8	136.5	134.2	133.8	132.5	133.8
50°	112.4	111.7	110.7	110.0	109.0	107.7	106.4	105.1	104.4	104.4	104.7
52.5°	87.2	87.6	86.6	85.6	84.9	84.9	83.3	82.9	82.9	81.6	82.9
55°	66.8	66.4	66.8	66.1	66.1	65.1	65.1	64.1	64.1	63.1	63.8
57.5°	48.9	49.6	48.9	49.2	49.9	48.9	48.6	47.6	48.2	47.6	47.9
60°	38.0	38.0	38.0	37.7	37.7	37.3	37.3	37.0	37.0	36.3	37.0
62.5°	28.1	28.4	28.4	28.4	28.8	28.4	28.1	28.4	28.1	28.1	28.4
65°	18.5	18.8	18.8	18.5	19.2	18.5	18.8	19.2	19.5	19.2	19.5
67.5°	12.6	12.6	12.9	13.2	12.9	13.2	13.5	13.2	13.5	14.2	13.5
70°	9.2	9.6	9.6	9.2	8.9	9.2	8.9	9.9	9.9	9.9	10.6
72.5°	5.9	5.9	5.6	5.6	5.6	5.6	5.6	6.6	5.9	5.6	6.3
75°	3.3	3.6	3.6	2.6	3.0	3.6	2.6	3.0	4.0	3.3	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.6	1.6	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	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	0.7	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: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	676.1	676.1	675.8	675.1	673.8	673.8	673.5	672.5	671.8	671.5	671.5
5°	672.8	671.5	670.2	666.5	666.5	665.9	663.9	662.6	661.9	660.3	659.6
7.5°	669.8	665.9	663.6	661.2	658.3	657.0	654.6	653.6	651.3	649.7	648.7
10°	662.6	659.9	657.0	653.3	651.0	648.4	645.7	643.7	640.8	639.1	637.8
12.5°	657.6	653.6	651.0	647.0	643.1	640.8	637.1	634.8	631.8	628.5	626.5
15°	653.0	648.7	645.1	640.8	636.5	633.8	629.5	626.9	622.6	619.3	617.0
17.5°	646.1	642.4	638.5	633.2	629.2	625.9	621.3	618.0	614.0	609.7	607.4
20°	638.8	634.5	630.5	625.2	621.3	617.3	612.7	609.0	604.4	600.4	597.8
22.5°	629.2	624.2	620.9	615.6	611.0	606.7	602.4	598.1	593.8	590.5	587.6
25°	615.3	610.0	606.4	602.1	597.8	594.5	589.2	586.6	582.3	579.3	576.3
27.5°	595.5	591.5	588.2	583.9	580.3	577.7	573.7	571.0	567.4	564.8	562.4
30°	566.4	563.1	560.1	555.8	553.2	550.9	547.2	544.9	542.3	539.3	538.7
32.5°	527.4	524.8	521.8	518.8	516.8	515.5	512.5	511.2	508.6	506.9	505.3
35°	468.6	466.3	464.6	463.3	462.6	463.0	462.3	463.6	464.3	464.0	464.3
37.5°	391.6	390.3	390.9	391.9	395.2	399.5	403.5	409.4	413.4	417.4	421.0
40°	305.7	306.7	309.3	315.3	323.9	333.4	342.4	353.6	364.8	372.8	380.0
42.5°	230.7	233.6	240.2	248.8	261.7	275.9	289.8	306.3	319.9	333.1	342.4
45°	173.5	177.5	186.0	198.0	212.2	228.7	246.2	264.7	280.9	294.4	304.7
47.5°	135.2	138.8	147.4	159.9	177.5	194.6	212.8	232.0	248.8	262.1	271.0
50°	106.7	111.4	119.0	132.2	149.7	167.9	186.7	205.5	221.4	232.6	240.6
52.5°	83.9	88.2	95.5	109.4	127.2	145.4	162.9	181.4	195.3	206.2	211.5
55°	65.1	69.1	76.7	88.2	105.1	122.9	140.4	156.3	169.2	177.1	182.1
57.5°	49.6	52.5	57.8	69.4	84.6	101.1	116.0	131.9	141.8	147.4	150.7
60°	37.7	40.0	45.6	54.5	68.4	82.6	95.2	107.1	115.0	119.6	122.9
62.5°	28.4	31.1	35.0	42.6	53.2	64.8	75.3	84.3	90.9	93.9	96.2
65°	19.5	21.5	24.5	30.4	39.3	47.6	55.8	62.5	66.8	70.1	71.4
67.5°	14.5	15.9	17.5	22.1	28.4	35.0	40.6	45.3	49.9	51.2	53.5
70°	10.9	11.9	13.5	16.9	20.5	25.1	29.7	32.4	35.7	38.0	38.7
72.5°	6.9	7.3	8.9	10.9	13.9	16.9	19.8	22.1	24.1	25.4	26.1
75°	4.0	5.9	5.9	7.9	9.9	11.2	13.2	14.9	15.9	16.9	16.9
77.5°	2.6	3.6	4.0	5.0	5.9	7.6	9.2	10.2	11.2	11.6	11.6
80°	2.3	2.6	2.6	3.6	4.3	5.6	6.6	6.9	7.6	7.9	8.6
82.5°	1.0	1.3	1.6	2.6	3.0	3.0	4.0	4.3	5.0	5.3	5.3
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	3.0	3.0	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P244530

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	670.8	671.2	669.8	669.5	668.9	669.2	669.8
5°	658.6	658.9	657.6	656.3	656.3	656.0	656.3
7.5°	647.0	647.4	645.4	644.7	643.4	643.7	643.7
10°	635.5	635.5	632.5	632.2	631.2	630.8	630.8
12.5°	624.2	623.2	620.9	619.6	620.3	618.3	618.3
15°	614.3	612.7	609.7	608.7	607.1	606.4	606.4
17.5°	604.1	602.8	600.1	598.1	596.1	595.8	596.1
20°	594.2	592.8	589.5	588.2	586.6	586.6	585.9
22.5°	584.2	582.9	580.0	579.0	576.7	576.7	577.0
25°	574.0	573.0	569.7	569.1	568.7	567.4	568.1
27.5°	560.1	559.5	556.8	555.8	554.5	554.2	554.8
30°	534.7	533.7	531.7	530.7	528.4	528.7	529.4
32.5°	503.0	501.6	499.0	498.0	496.0	495.4	495.7
35°	463.3	462.3	460.0	460.0	458.0	457.4	458.0
37.5°	423.0	424.0	423.0	424.0	423.0	422.7	423.0
40°	385.0	388.6	389.3	392.9	391.6	393.6	393.2
42.5°	348.6	354.6	356.9	359.9	359.2	360.5	361.5
45°	311.9	316.9	319.2	321.2	321.5	322.2	322.5
47.5°	277.2	281.2	281.5	283.9	283.5	283.5	284.5
50°	244.9	247.5	248.2	249.8	248.5	247.8	248.2
52.5°	214.8	217.4	216.8	217.4	215.8	215.1	215.5
55°	184.1	185.4	185.4	185.4	183.4	183.4	183.4
57.5°	152.7	153.0	152.3	152.7	152.3	150.4	150.0
60°	123.9	123.9	123.6	123.9	122.9	121.9	121.9
62.5°	96.8	97.5	98.8	97.5	96.8	97.5	96.5
65°	72.4	73.7	73.4	74.0	73.7	73.7	73.0
67.5°	54.5	54.9	55.2	55.5	55.5	55.5	55.5
70°	40.0	41.0	40.6	40.6	40.6	40.6	42.6
72.5°	26.8	28.1	27.8	28.4	28.4	29.1	28.4
75°	18.2	19.5	18.8	19.8	19.5	18.8	20.5
77.5°	12.2	12.9	13.2	13.5	13.2	12.9	13.2
80°	8.6	9.2	8.9	9.2	9.2	9.2	9.6
82.5°	5.3	6.3	5.9	6.3	5.9	6.3	6.3
85°	3.6	4.0	3.3	4.0	3.6	3.6	4.3
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)