

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: P245898

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245898
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 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 871.0 lumens
Efficiency: N/A
Efficacy: 85.4 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

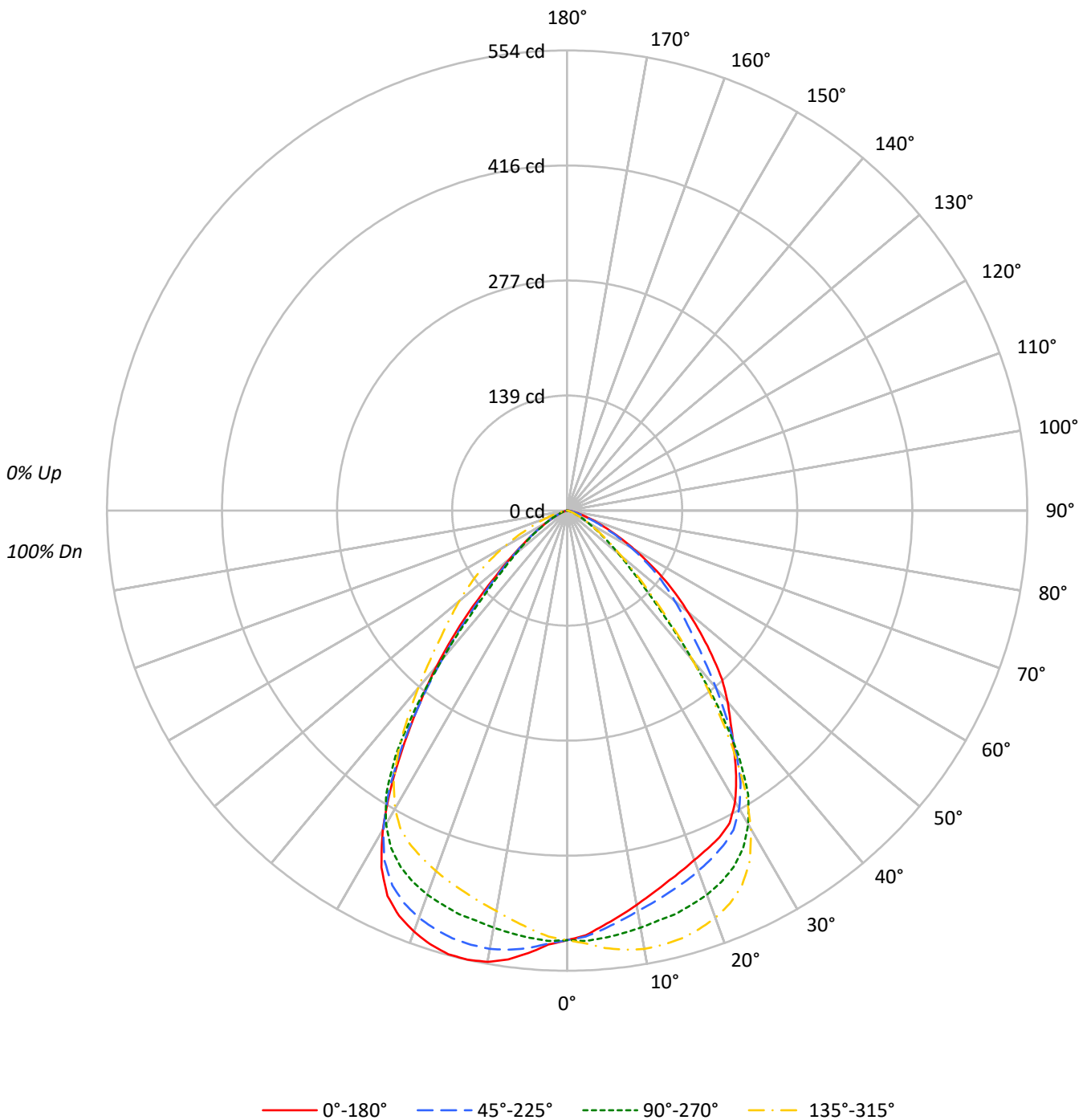
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	15945	15945	15945	15945
5°	15520	15982	16554	15982
10°	15092	15963	17275	15963
15°	14790	16058	17651	16058
20°	14691	16148	17697	16148
25°	14766	16117	17414	16117
30°	14403	15525	15806	15525
35°	13172	13544	12852	13544
40°	12096	9419	9838	9419
45°	10745	5748	6650	5748
50°	9096	3838	4265	3838
55°	7532	2618	2769	2618
60°	5748	1745	1758	1745
65°	4071	1087	992	1087
70°	2939	730	658	730
75°	1871	357	298	357
80°	1296	266	231	266
85°	1168	0	71	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	5.7
10°-20°	142.5	16.4
20°-30°	215.8	24.8
30°-40°	216.3	24.8
40°-50°	135.8	15.6
50°-60°	72.4	8.3
60°-70°	29.8	3.4
70°-80°	7.9	0.9
80°-90°	1.3	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°	407.5	46.8
0°-40°	623.8	71.6
0°-60°	832.0	95.5
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	517	517	517	517	517	
5°	501	516	535	516	501	47
15°	463	503	553	503	463	131
25°	434	474	512	474	434	199
35°	350	360	341	360	350	219
45°	246	132	152	132	246	190
55°	140	49	52	49	140	125
65°	56	15	14	15	56	58
75°	16	3	2	3	16	18
85°	3	0	0	0	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	511.8	511.3	511.0	511.5	511.8	512.8	512.5	513.0	513.0	513.3	513.8
5°	501.4	501.2	501.4	501.4	502.4	503.5	503.2	504.0	504.5	505.7	506.2
7.5°	491.8	491.8	491.6	492.6	493.1	494.6	494.4	495.6	496.4	497.6	499.4
10°	482.0	482.0	482.2	483.0	483.3	485.5	485.5	487.3	488.3	489.6	491.8
12.5°	472.4	472.4	473.9	473.4	474.4	476.2	476.9	478.7	480.2	482.7	485.0
15°	463.3	463.3	463.8	465.1	465.8	468.1	469.4	471.4	473.2	475.7	479.0
17.5°	455.5	455.2	455.5	457.0	458.5	460.5	461.5	464.1	465.8	469.1	472.1
20°	447.7	448.2	448.2	449.4	450.4	453.0	454.0	456.7	458.8	461.8	465.3
22.5°	440.8	440.6	440.6	442.4	443.1	445.4	446.4	448.9	451.2	453.7	457.0
25°	434.0	433.5	434.5	434.8	435.3	437.8	438.6	440.3	442.6	444.9	448.2
27.5°	423.9	423.4	423.7	424.7	425.4	427.5	428.0	429.7	431.5	433.5	436.3
30°	404.5	404.0	403.7	405.5	406.2	407.8	408.5	411.6	412.0	414.3	416.3
32.5°	378.7	378.5	379.0	380.5	381.2	383.3	384.3	386.0	387.3	388.6	390.6
35°	349.9	349.4	349.9	351.5	351.5	353.2	354.0	354.7	354.5	354.7	354.2
37.5°	323.2	322.9	323.2	323.9	323.2	323.9	323.2	321.7	318.9	315.9	312.8
40°	300.5	300.7	299.2	300.2	297.4	296.9	294.1	290.4	284.8	278.7	270.2
42.5°	276.2	275.5	274.5	275.0	272.7	270.9	266.4	261.6	254.5	244.4	234.0
45°	246.4	246.2	245.7	245.4	243.9	242.1	238.3	232.8	225.0	214.6	202.2
47.5°	217.4	216.6	216.6	216.9	215.1	214.9	211.8	207.0	200.2	190.1	177.2
50°	189.6	189.4	189.9	190.9	189.6	189.1	187.1	183.8	177.8	169.2	157.0
52.5°	164.6	164.4	164.9	166.1	165.6	166.1	164.1	161.6	157.5	149.2	138.6
55°	140.1	140.1	140.1	141.6	141.6	141.6	140.6	139.1	135.3	129.3	119.4
57.5°	114.6	114.9	116.4	116.6	116.4	116.9	116.6	115.1	112.6	108.3	100.7
60°	93.2	93.2	93.9	94.7	94.4	94.7	94.7	93.9	91.4	87.9	81.8
62.5°	73.7	74.5	74.0	74.5	75.5	74.5	74.0	73.5	71.7	69.4	64.4
65°	55.8	56.3	56.3	56.6	56.0	56.3	55.3	54.5	53.5	51.0	47.7
67.5°	42.4	42.4	42.4	42.4	42.2	41.9	41.7	40.9	39.1	38.1	34.6
70°	32.6	31.1	31.1	31.1	31.1	31.3	30.6	29.5	29.0	27.3	24.7
72.5°	21.7	22.2	21.7	21.7	21.2	21.5	20.5	19.9	19.4	18.4	16.9
75°	15.7	14.4	14.9	15.2	14.4	14.9	13.9	12.9	12.9	12.1	11.4
77.5°	10.1	9.9	10.1	10.4	10.1	9.9	9.3	8.8	8.8	8.6	7.8
80°	7.3	7.1	7.1	7.1	6.8	7.1	6.6	6.6	6.1	5.8	5.3
82.5°	4.8	4.8	4.5	4.8	4.5	4.8	4.0	4.0	4.0	3.8	3.3
85°	3.3	2.8	2.8	3.0	2.5	3.0	2.8	2.5	2.3	2.3	2.0
87.5°	1.5	1.8	1.5	1.8	1.5	1.5	1.8	1.5	1.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	514.6	514.8	514.8	515.8	516.3	516.6	516.6	518.6	517.8	518.4	518.9
5°	507.2	508.8	509.3	509.3	512.0	513.0	514.1	516.3	516.6	518.1	519.9
7.5°	500.2	501.9	503.0	505.2	507.0	508.8	511.8	513.3	514.8	516.8	519.1
10°	493.3	495.4	497.4	499.2	501.9	504.2	506.2	509.8	511.5	514.3	517.3
12.5°	486.8	489.6	491.3	494.4	497.4	499.4	502.4	505.7	508.5	511.3	514.8
15°	481.0	484.3	486.3	489.6	492.9	495.6	498.9	503.0	505.0	508.3	511.5
17.5°	474.7	478.2	480.7	483.8	487.8	490.8	493.6	497.6	500.2	503.7	507.5
20°	468.1	471.6	474.7	477.7	481.7	484.8	488.0	492.1	494.9	498.4	501.4
22.5°	460.3	463.6	466.8	470.4	474.4	476.9	480.7	484.3	487.3	490.6	493.6
25°	450.2	454.2	456.7	460.0	463.3	466.1	470.1	473.7	476.2	479.2	482.0
27.5°	438.3	441.3	443.4	446.1	449.4	451.9	455.0	458.5	461.0	463.8	465.8
30°	418.1	420.9	422.7	424.7	428.0	430.2	432.8	436.0	437.8	439.8	441.6
32.5°	391.6	393.9	394.9	396.4	398.7	400.9	403.0	405.7	406.5	407.8	407.8
35°	353.2	353.7	353.5	354.0	355.0	356.3	358.0	359.8	360.8	360.8	360.0
37.5°	308.3	305.3	302.0	299.4	298.7	298.2	299.2	299.9	301.0	301.5	300.2
40°	261.6	254.8	247.4	240.9	236.3	234.3	233.5	234.0	234.0	235.8	235.8
42.5°	221.4	210.8	200.0	190.1	183.6	178.5	176.2	176.2	176.5	177.8	178.5
45°	188.1	174.7	162.1	151.2	142.1	135.6	132.6	131.8	131.5	132.0	133.8
47.5°	162.6	148.7	135.6	122.2	112.6	106.0	103.3	102.3	101.2	102.3	102.5
50°	142.7	128.3	114.4	101.0	90.9	85.1	81.5	80.0	79.8	79.8	80.3
52.5°	124.5	111.1	97.2	83.6	73.0	67.4	64.1	63.4	62.4	63.4	63.4
55°	107.3	93.9	80.3	67.4	58.6	52.8	49.7	48.7	48.2	49.0	49.0
57.5°	88.6	77.3	64.6	53.0	44.2	40.1	37.9	36.6	36.4	36.9	36.4
60°	72.7	63.1	52.3	41.7	34.8	30.6	28.8	28.3	27.8	28.3	28.3
62.5°	57.6	49.5	40.6	32.6	26.8	23.7	21.7	21.7	21.5	21.5	21.7
65°	42.7	36.4	30.0	23.2	18.7	16.4	14.9	14.9	14.6	14.9	14.6
67.5°	31.1	26.8	21.7	16.9	13.4	12.1	11.1	10.4	10.9	10.4	10.1
70°	22.7	19.2	15.7	12.9	10.4	9.1	8.3	8.1	7.6	7.6	7.6
72.5°	15.2	12.9	10.6	8.3	6.8	5.5	5.3	4.8	4.3	4.5	5.1
75°	10.1	8.6	7.6	6.1	4.5	4.5	3.0	3.0	2.5	3.0	2.3
77.5°	7.1	5.8	4.5	3.8	3.0	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.1	4.3	3.3	2.8	2.0	2.0	1.8	1.5	1.3	1.3	1.5
82.5°	3.0	2.3	2.3	2.0	1.3	1.0	0.8	1.0	0.5	0.5	0.5
85°	1.8	1.5	1.3	0.8	0.5	0.5	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	0.5	0.5	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	520.1	519.9	520.4	520.4	521.9	521.6	522.4	522.4	521.9	522.1	523.1
5°	521.9	522.6	524.2	525.4	527.7	528.7	530.0	531.2	531.5	532.2	533.0
7.5°	521.9	524.4	526.2	528.4	531.5	533.2	536.0	538.3	539.3	540.6	542.1
10°	520.9	523.4	526.7	529.2	533.0	535.8	538.5	542.1	543.6	545.6	547.6
12.5°	518.9	521.6	525.2	528.4	532.7	535.3	538.8	542.1	544.4	547.1	549.4
15°	515.8	519.1	522.4	525.7	530.2	533.2	536.5	540.3	542.6	545.6	547.6
17.5°	511.0	514.6	517.6	520.6	524.9	528.4	531.5	535.0	537.3	539.8	542.6
20°	505.2	508.5	511.8	514.3	518.6	521.6	524.9	528.2	530.0	530.5	534.8
22.5°	497.9	500.2	502.7	506.7	509.3	512.0	515.1	518.1	519.9	522.6	524.2
25°	485.8	488.0	490.8	492.6	495.6	497.9	500.9	504.2	505.2	507.2	508.8
27.5°	468.9	470.1	471.4	472.9	474.7	475.9	477.7	479.2	480.2	481.2	482.2
30°	442.1	442.1	442.1	441.1	441.8	442.6	442.9	442.6	442.6	442.4	442.4
32.5°	406.7	404.7	402.5	400.4	399.7	398.7	398.2	397.4	396.1	395.4	395.6
35°	359.0	354.5	351.7	349.2	347.2	345.7	344.9	344.1	343.9	342.9	341.9
37.5°	299.4	296.2	294.1	292.6	290.9	289.3	289.6	289.9	290.6	290.1	290.4
40°	236.3	235.6	236.3	234.6	234.0	234.6	235.8	237.6	238.6	239.6	241.4
42.5°	179.8	181.0	182.8	182.8	183.6	184.6	186.1	188.9	190.4	192.1	194.2
45°	135.3	136.8	139.1	139.9	140.4	141.6	143.4	145.7	146.7	148.2	150.0
47.5°	104.3	105.3	106.5	107.8	109.1	109.6	111.3	111.3	112.6	113.6	114.1
50°	81.3	82.3	83.3	84.1	84.6	85.3	85.8	86.6	86.8	87.4	87.6
52.5°	63.6	64.9	64.9	65.4	66.1	66.9	66.7	66.9	67.2	67.2	67.9
55°	49.7	49.7	50.5	50.5	51.0	50.7	51.0	51.0	51.0	51.0	51.3
57.5°	37.1	37.4	38.1	37.6	37.4	37.9	37.4	37.9	37.6	38.1	37.4
60°	28.5	28.5	28.8	28.8	29.0	29.0	29.0	28.8	28.8	28.5	28.5
62.5°	21.5	21.7	22.0	21.7	21.7	21.7	21.5	21.5	21.2	21.0	21.0
65°	14.4	14.1	14.6	14.1	14.4	14.4	14.1	14.4	13.6	13.9	13.6
67.5°	10.4	10.1	9.9	10.1	9.9	9.6	9.6	9.9	10.1	9.3	9.3
70°	6.8	7.1	6.8	7.1	7.3	7.3	7.1	6.8	7.1	6.6	6.8
72.5°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.0	4.0	3.8
75°	2.0	2.8	2.3	2.0	2.8	2.8	2.5	2.5	2.3	2.3	2.3
77.5°	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.3
80°	1.0	1.0	1.0	0.8	1.0	1.0	1.3	1.0	1.0	0.8	1.3
82.5°	0.5	0.5	0.5	0.0	0.2	0.5	0.5	0.2	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	522.9	522.6	522.9	523.1	522.9	522.6	522.9	523.1	522.1	521.9	522.4
5°	534.0	534.0	534.5	534.8	534.5	534.0	534.0	533.0	532.2	531.5	531.2
7.5°	543.6	544.1	544.6	544.9	544.6	544.1	543.6	542.1	540.6	539.3	538.3
10°	549.4	550.2	551.2	551.7	551.2	550.2	549.4	547.6	545.6	543.6	542.1
12.5°	551.9	552.7	553.9	553.7	553.9	552.7	551.9	549.4	547.1	544.4	542.1
15°	550.2	551.2	552.4	552.9	552.4	551.2	550.2	547.6	545.6	542.6	540.3
17.5°	544.6	546.1	546.9	547.6	546.9	546.1	544.6	542.6	539.8	537.3	535.0
20°	537.0	538.0	539.1	539.3	539.1	538.0	537.0	534.8	530.5	530.0	528.2
22.5°	526.2	526.9	529.2	528.4	529.2	526.9	526.2	524.2	522.6	519.9	518.1
25°	510.5	511.3	511.5	511.8	511.5	511.3	510.5	508.8	507.2	505.2	504.2
27.5°	483.5	483.5	484.0	484.3	484.0	483.5	483.5	482.2	481.2	480.2	479.2
30°	442.6	442.6	442.6	443.9	442.6	442.6	442.6	442.4	442.4	442.6	442.6
32.5°	395.4	394.9	394.4	394.9	394.4	394.9	395.4	395.6	395.4	396.1	397.4
35°	341.9	341.6	342.4	341.4	342.4	341.6	341.9	341.9	342.9	343.9	344.1
37.5°	290.6	290.1	291.1	290.1	291.1	290.1	290.6	290.4	290.1	290.6	289.9
40°	241.9	242.4	242.4	244.4	242.4	242.4	241.9	241.4	239.6	238.6	237.6
42.5°	195.2	196.7	196.2	197.7	196.2	196.7	195.2	194.2	192.1	190.4	188.9
45°	151.0	152.0	152.0	152.5	152.0	152.0	151.0	150.0	148.2	146.7	145.7
47.5°	115.9	115.9	115.9	116.1	115.9	115.9	115.9	114.1	113.6	112.6	111.3
50°	88.1	88.4	88.6	88.9	88.6	88.4	88.1	87.6	87.4	86.8	86.6
52.5°	67.7	67.9	67.4	67.9	67.4	67.9	67.7	67.9	67.2	67.2	66.9
55°	51.3	51.0	51.3	51.5	51.3	51.0	51.3	51.3	51.0	51.0	51.0
57.5°	37.6	37.1	37.1	37.1	37.1	37.1	37.6	37.4	38.1	37.6	37.9
60°	28.0	28.3	28.3	28.5	28.3	28.3	28.0	28.5	28.5	28.8	28.8
62.5°	20.7	21.5	21.0	21.5	21.0	21.5	20.7	21.0	21.0	21.2	21.5
65°	13.4	13.4	13.4	13.6	13.4	13.4	13.4	13.6	13.9	13.6	14.4
67.5°	9.1	9.3	9.9	9.6	9.9	9.3	9.1	9.3	9.3	10.1	9.9
70°	7.3	6.6	6.6	7.3	6.6	6.6	7.3	6.8	6.6	7.1	6.8
72.5°	4.3	3.8	4.3	4.3	4.3	3.8	4.3	3.8	4.0	4.0	4.5
75°	2.3	2.0	1.8	2.5	1.8	2.0	2.3	2.3	2.3	2.3	2.5
77.5°	1.5	1.3	1.8	1.8	1.8	1.3	1.5	1.3	1.5	1.3	1.5
80°	0.8	1.0	0.8	1.3	0.8	1.0	0.8	1.3	0.8	1.0	1.0
82.5°	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.2
85°	0.0	0.5	0.2	0.2	0.2	0.5	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: P245898

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	522.4	521.6	521.9	520.4	520.4	519.9	520.1	518.9	518.4	517.8	518.6
5°	530.0	528.7	527.7	525.4	524.2	522.6	521.9	519.9	518.1	516.6	516.3
7.5°	536.0	533.2	531.5	528.4	526.2	524.4	521.9	519.1	516.8	514.8	513.3
10°	538.5	535.8	533.0	529.2	526.7	523.4	520.9	517.3	514.3	511.5	509.8
12.5°	538.8	535.3	532.7	528.4	525.2	521.6	518.9	514.8	511.3	508.5	505.7
15°	536.5	533.2	530.2	525.7	522.4	519.1	515.8	511.5	508.3	505.0	503.0
17.5°	531.5	528.4	524.9	520.6	517.6	514.6	511.0	507.5	503.7	500.2	497.6
20°	524.9	521.6	518.6	514.3	511.8	508.5	505.2	501.4	498.4	494.9	492.1
22.5°	515.1	512.0	509.3	506.7	502.7	500.2	497.9	493.6	490.6	487.3	484.3
25°	500.9	497.9	495.6	492.6	490.8	488.0	485.8	482.0	479.2	476.2	473.7
27.5°	477.7	475.9	474.7	472.9	471.4	470.1	468.9	465.8	463.8	461.0	458.5
30°	442.9	442.6	441.8	441.1	442.1	442.1	442.1	441.6	439.8	437.8	436.0
32.5°	398.2	398.7	399.7	400.4	402.5	404.7	406.7	407.8	407.8	406.5	405.7
35°	344.9	345.7	347.2	349.2	351.7	354.5	359.0	360.0	360.8	360.8	359.8
37.5°	289.6	289.3	290.9	292.6	294.1	296.2	299.4	300.2	301.5	301.0	299.9
40°	235.8	234.6	234.0	234.6	236.3	235.6	236.3	235.8	235.8	234.0	234.0
42.5°	186.1	184.6	183.6	182.8	182.8	181.0	179.8	178.5	177.8	176.5	176.2
45°	143.4	141.6	140.4	139.9	139.1	136.8	135.3	133.8	132.0	131.5	131.8
47.5°	111.3	109.6	109.1	107.8	106.5	105.3	104.3	102.5	102.3	101.2	102.3
50°	85.8	85.3	84.6	84.1	83.3	82.3	81.3	80.3	79.8	79.8	80.0
52.5°	66.7	66.9	66.1	65.4	64.9	64.9	63.6	63.4	63.4	62.4	63.4
55°	51.0	50.7	51.0	50.5	50.5	49.7	49.7	49.0	49.0	48.2	48.7
57.5°	37.4	37.9	37.4	37.6	38.1	37.4	37.1	36.4	36.9	36.4	36.6
60°	29.0	29.0	29.0	28.8	28.8	28.5	28.5	28.3	28.3	27.8	28.3
62.5°	21.5	21.7	21.7	21.7	22.0	21.7	21.5	21.7	21.5	21.5	21.7
65°	14.1	14.4	14.4	14.1	14.6	14.1	14.4	14.6	14.9	14.6	14.9
67.5°	9.6	9.6	9.9	10.1	9.9	10.1	10.4	10.1	10.4	10.9	10.4
70°	7.1	7.3	7.3	7.1	6.8	7.1	6.8	7.6	7.6	7.6	8.1
72.5°	4.5	4.5	4.3	4.3	4.3	4.3	4.3	5.1	4.5	4.3	4.8
75°	2.5	2.8	2.8	2.0	2.3	2.8	2.0	2.3	3.0	2.5	3.0
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.0	1.8	1.8	1.8	2.0
80°	1.3	1.0	1.0	0.8	1.0	1.0	1.0	1.5	1.3	1.3	1.5
82.5°	0.5	0.5	0.2	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
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	0.5	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: P245898

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	516.6	516.6	516.3	515.8	514.8	514.8	514.6	513.8	513.3	513.0	513.0
5°	514.1	513.0	512.0	509.3	509.3	508.8	507.2	506.2	505.7	504.5	504.0
7.5°	511.8	508.8	507.0	505.2	503.0	501.9	500.2	499.4	497.6	496.4	495.6
10°	506.2	504.2	501.9	499.2	497.4	495.4	493.3	491.8	489.6	488.3	487.3
12.5°	502.4	499.4	497.4	494.4	491.3	489.6	486.8	485.0	482.7	480.2	478.7
15°	498.9	495.6	492.9	489.6	486.3	484.3	481.0	479.0	475.7	473.2	471.4
17.5°	493.6	490.8	487.8	483.8	480.7	478.2	474.7	472.1	469.1	465.8	464.1
20°	488.0	484.8	481.7	477.7	474.7	471.6	468.1	465.3	461.8	458.8	456.7
22.5°	480.7	476.9	474.4	470.4	466.8	463.6	460.3	457.0	453.7	451.2	448.9
25°	470.1	466.1	463.3	460.0	456.7	454.2	450.2	448.2	444.9	442.6	440.3
27.5°	455.0	451.9	449.4	446.1	443.4	441.3	438.3	436.3	433.5	431.5	429.7
30°	432.8	430.2	428.0	424.7	422.7	420.9	418.1	416.3	414.3	412.0	411.6
32.5°	403.0	400.9	398.7	396.4	394.9	393.9	391.6	390.6	388.6	387.3	386.0
35°	358.0	356.3	355.0	354.0	353.5	353.7	353.2	354.2	354.7	354.5	354.7
37.5°	299.2	298.2	298.7	299.4	302.0	305.3	308.3	312.8	315.9	318.9	321.7
40°	233.5	234.3	236.3	240.9	247.4	254.8	261.6	270.2	278.7	284.8	290.4
42.5°	176.2	178.5	183.6	190.1	200.0	210.8	221.4	234.0	244.4	254.5	261.6
45°	132.6	135.6	142.1	151.2	162.1	174.7	188.1	202.2	214.6	225.0	232.8
47.5°	103.3	106.0	112.6	122.2	135.6	148.7	162.6	177.2	190.1	200.2	207.0
50°	81.5	85.1	90.9	101.0	114.4	128.3	142.7	157.0	169.2	177.8	183.8
52.5°	64.1	67.4	73.0	83.6	97.2	111.1	124.5	138.6	149.2	157.5	161.6
55°	49.7	52.8	58.6	67.4	80.3	93.9	107.3	119.4	129.3	135.3	139.1
57.5°	37.9	40.1	44.2	53.0	64.6	77.3	88.6	100.7	108.3	112.6	115.1
60°	28.8	30.6	34.8	41.7	52.3	63.1	72.7	81.8	87.9	91.4	93.9
62.5°	21.7	23.7	26.8	32.6	40.6	49.5	57.6	64.4	69.4	71.7	73.5
65°	14.9	16.4	18.7	23.2	30.0	36.4	42.7	47.7	51.0	53.5	54.5
67.5°	11.1	12.1	13.4	16.9	21.7	26.8	31.1	34.6	38.1	39.1	40.9
70°	8.3	9.1	10.4	12.9	15.7	19.2	22.7	24.7	27.3	29.0	29.5
72.5°	5.3	5.5	6.8	8.3	10.6	12.9	15.2	16.9	18.4	19.4	19.9
75°	3.0	4.5	4.5	6.1	7.6	8.6	10.1	11.4	12.1	12.9	12.9
77.5°	2.0	2.8	3.0	3.8	4.5	5.8	7.1	7.8	8.6	8.8	8.8
80°	1.8	2.0	2.0	2.8	3.3	4.3	5.1	5.3	5.8	6.1	6.6
82.5°	0.8	1.0	1.3	2.0	2.3	2.3	3.0	3.3	3.8	4.0	4.0
85°	0.2	0.5	0.5	0.8	1.3	1.5	1.8	2.0	2.3	2.3	2.5
87.5°	0.2	0.2	0.0	0.2	0.5	0.5	1.0	1.0	1.0	1.5	1.5
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: P245898

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	517.1	517.1	517.1	517.1	517.1	517.1	517.1
2.5°	512.5	512.8	511.8	511.5	511.0	511.3	511.8
5°	503.2	503.5	502.4	501.4	501.4	501.2	501.4
7.5°	494.4	494.6	493.1	492.6	491.6	491.8	491.8
10°	485.5	485.5	483.3	483.0	482.2	482.0	482.0
12.5°	476.9	476.2	474.4	473.4	473.9	472.4	472.4
15°	469.4	468.1	465.8	465.1	463.8	463.3	463.3
17.5°	461.5	460.5	458.5	457.0	455.5	455.2	455.5
20°	454.0	453.0	450.4	449.4	448.2	448.2	447.7
22.5°	446.4	445.4	443.1	442.4	440.6	440.6	440.8
25°	438.6	437.8	435.3	434.8	434.5	433.5	434.0
27.5°	428.0	427.5	425.4	424.7	423.7	423.4	423.9
30°	408.5	407.8	406.2	405.5	403.7	404.0	404.5
32.5°	384.3	383.3	381.2	380.5	379.0	378.5	378.7
35°	354.0	353.2	351.5	351.5	349.9	349.4	349.9
37.5°	323.2	323.9	323.2	323.9	323.2	322.9	323.2
40°	294.1	296.9	297.4	300.2	299.2	300.7	300.5
42.5°	266.4	270.9	272.7	275.0	274.5	275.5	276.2
45°	238.3	242.1	243.9	245.4	245.7	246.2	246.4
47.5°	211.8	214.9	215.1	216.9	216.6	216.6	217.4
50°	187.1	189.1	189.6	190.9	189.9	189.4	189.6
52.5°	164.1	166.1	165.6	166.1	164.9	164.4	164.6
55°	140.6	141.6	141.6	141.6	140.1	140.1	140.1
57.5°	116.6	116.9	116.4	116.6	116.4	114.9	114.6
60°	94.7	94.7	94.4	94.7	93.9	93.2	93.2
62.5°	74.0	74.5	75.5	74.5	74.0	74.5	73.7
65°	55.3	56.3	56.0	56.6	56.3	56.3	55.8
67.5°	41.7	41.9	42.2	42.4	42.4	42.4	42.4
70°	30.6	31.3	31.1	31.1	31.1	31.1	32.6
72.5°	20.5	21.5	21.2	21.7	21.7	22.2	21.7
75°	13.9	14.9	14.4	15.2	14.9	14.4	15.7
77.5°	9.3	9.9	10.1	10.4	10.1	9.9	10.1
80°	6.6	7.1	6.8	7.1	7.1	7.1	7.3
82.5°	4.0	4.8	4.5	4.8	4.5	4.8	4.8
85°	2.8	3.0	2.5	3.0	2.8	2.8	3.3
87.5°	1.8	1.5	1.5	1.8	1.5	1.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)