

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: P245886

Luminaire Tested: **LSR8B10D010 EC8B10827 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245886
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 EC8B10827 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 817.0 lumens
Efficiency: N/A
Efficacy: 80.1 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

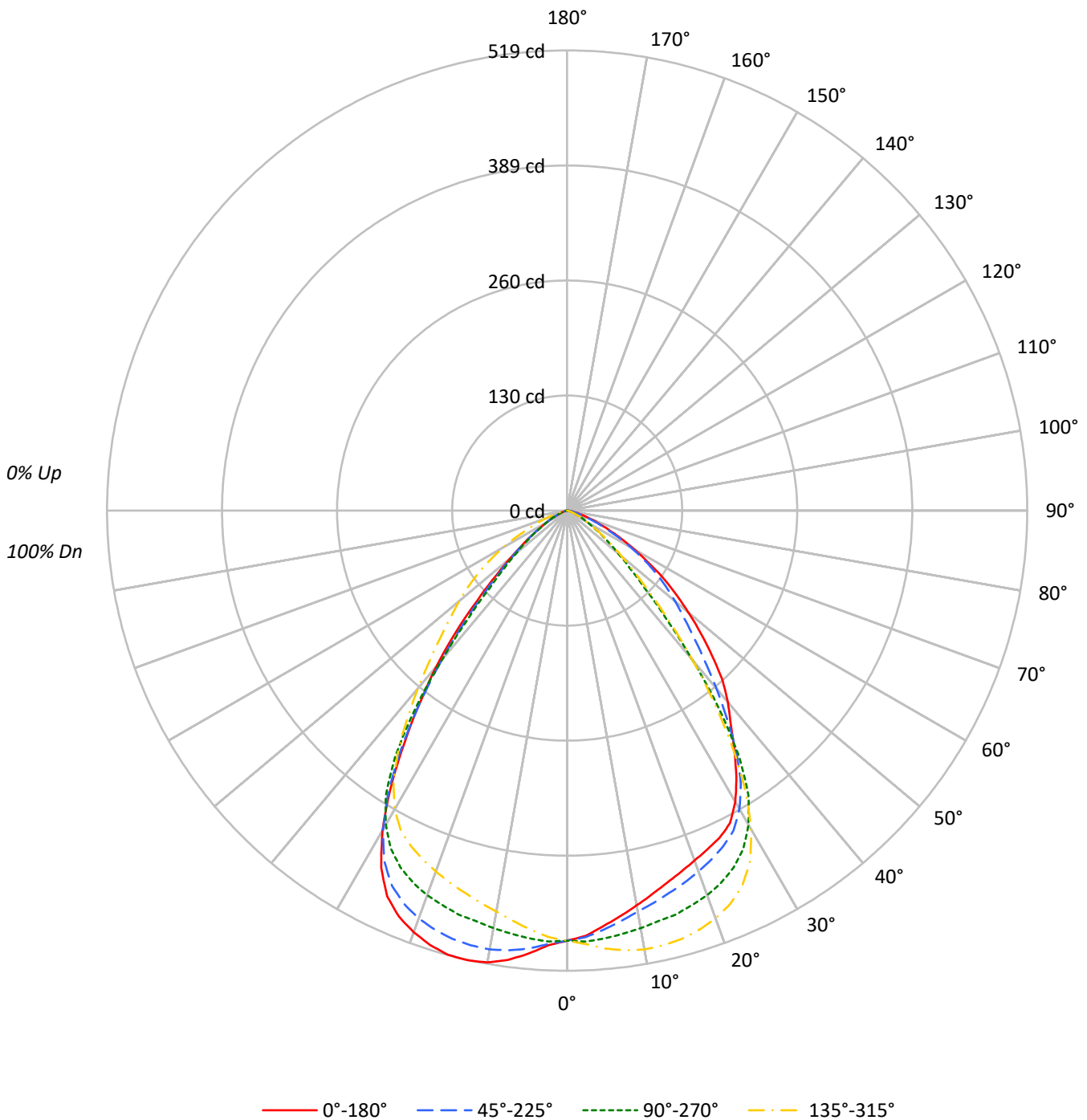
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14956	14956	14956	14956
5°	14558	14991	15527	14991
10°	14156	14973	16204	14973
15°	13874	15062	16559	15062
20°	13779	15148	16601	15148
25°	13851	15117	16335	15117
30°	13509	14563	14827	14563
35°	12355	12705	12054	12705
40°	11344	8836	9230	8836
45°	10078	5390	6236	5390
50°	8534	3603	4001	3603
55°	7064	2457	2597	2457
60°	5390	1634	1653	1634
65°	3816	1022	934	1022
70°	2759	685	622	685
75°	1751	334	286	334
80°	1225	249	213	249
85°	1097	0	71	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	5.7
10°-20°	133.7	16.4
20°-30°	202.4	24.8
30°-40°	202.9	24.8
40°-50°	127.4	15.6
50°-60°	67.9	8.3
60°-70°	27.9	3.4
70°-80°	7.4	0.9
80°-90°	1.2	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°	382.3	46.8
0°-40°	585.2	71.6
0°-60°	780.5	95.5
0°-90°	817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	485	485	485	485	485	
5°	470	484	502	484	470	44
15°	435	472	519	472	435	123
25°	407	444	480	444	407	187
35°	328	338	320	338	328	206
45°	231	124	143	124	231	178
55°	131	46	48	46	131	117
65°	52	14	13	14	52	54
75°	15	3	2	3	15	17
85°	3	0	0	0	3	3
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°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	480.1	479.6	479.3	479.8	480.1	481.0	480.8	481.2	481.2	481.5	481.9
5°	470.3	470.1	470.3	470.3	471.3	472.2	472.0	472.7	473.2	474.4	474.8
7.5°	461.3	461.3	461.1	462.1	462.5	464.0	463.7	464.9	465.6	466.8	468.4
10°	452.1	452.1	452.3	453.1	453.3	455.4	455.4	457.1	458.0	459.2	461.3
12.5°	443.1	443.1	444.5	444.1	445.0	446.7	447.4	449.0	450.5	452.8	455.0
15°	434.6	434.6	435.1	436.2	436.9	439.1	440.3	442.2	443.8	446.2	449.3
17.5°	427.2	427.0	427.2	428.7	430.1	432.0	432.9	435.3	436.9	440.0	442.9
20°	419.9	420.4	420.4	421.6	422.5	424.9	425.8	428.4	430.3	433.2	436.5
22.5°	413.5	413.3	413.3	414.9	415.6	417.8	418.7	421.1	423.2	425.6	428.7
25°	407.1	406.6	407.6	407.8	408.3	410.7	411.4	413.0	415.2	417.3	420.4
27.5°	397.6	397.2	397.4	398.3	399.1	400.9	401.4	403.1	404.7	406.6	409.2
30°	379.4	378.9	378.7	380.4	381.1	382.5	383.2	386.0	386.5	388.6	390.5
32.5°	355.2	355.0	355.5	356.9	357.6	359.5	360.5	362.1	363.3	364.5	366.4
35°	328.2	327.8	328.2	329.7	329.7	331.3	332.0	332.7	332.5	332.7	332.3
37.5°	303.1	302.9	303.1	303.8	303.1	303.8	303.1	301.7	299.1	296.3	293.4
40°	281.8	282.1	280.6	281.6	279.0	278.5	275.9	272.4	267.1	261.5	253.4
42.5°	259.1	258.4	257.4	257.9	255.8	254.1	249.9	245.4	238.7	229.3	219.5
45°	231.1	230.9	230.4	230.2	228.8	227.1	223.6	218.4	211.0	201.3	189.7
47.5°	203.9	203.2	203.2	203.4	201.8	201.5	198.7	194.2	187.8	178.3	166.3
50°	177.9	177.6	178.1	179.0	177.9	177.4	175.5	172.4	166.7	158.7	147.3
52.5°	154.4	154.2	154.7	155.8	155.4	155.8	153.9	151.6	147.8	140.0	130.0
55°	131.4	131.4	131.4	132.9	132.9	132.9	131.9	130.5	126.9	121.3	112.0
57.5°	107.5	107.8	109.2	109.4	109.2	109.7	109.4	108.0	105.6	101.6	94.5
60°	87.4	87.4	88.1	88.8	88.6	88.8	88.8	88.1	85.7	82.4	76.7
62.5°	69.2	69.9	69.4	69.9	70.8	69.9	69.4	68.9	67.3	65.1	60.4
65°	52.3	52.8	52.8	53.0	52.6	52.8	51.9	51.2	50.2	47.8	44.8
67.5°	39.8	39.8	39.8	39.8	39.5	39.3	39.1	38.4	36.7	35.8	32.4
70°	30.6	29.1	29.1	29.1	29.1	29.4	28.7	27.7	27.2	25.6	23.2
72.5°	20.4	20.8	20.4	20.4	19.9	20.1	19.2	18.7	18.2	17.3	15.9
75°	14.7	13.5	14.0	14.2	13.5	14.0	13.0	12.1	12.1	11.4	10.7
77.5°	9.5	9.2	9.5	9.7	9.5	9.2	8.8	8.3	8.3	8.1	7.3
80°	6.9	6.6	6.6	6.6	6.4	6.6	6.2	6.2	5.7	5.4	5.0
82.5°	4.5	4.5	4.3	4.5	4.3	4.5	3.8	3.8	3.8	3.5	3.1
85°	3.1	2.6	2.6	2.8	2.4	2.8	2.6	2.4	2.1	2.1	1.9
87.5°	1.4	1.7	1.4	1.7	1.4	1.4	1.7	1.4	1.4	0.9	0.9
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°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	482.7	482.9	482.9	483.8	484.3	484.5	484.5	486.5	485.7	486.2	486.7
5°	475.8	477.2	477.7	477.7	480.3	481.2	482.2	484.3	484.5	486.0	487.6
7.5°	469.2	470.8	471.8	473.9	475.6	477.2	480.1	481.5	482.9	484.8	486.9
10°	462.8	464.7	466.6	468.2	470.8	472.9	474.8	478.2	479.8	482.4	485.3
12.5°	456.6	459.2	460.9	463.7	466.6	468.4	471.3	474.4	477.0	479.6	482.9
15°	451.2	454.2	456.1	459.2	462.3	464.9	468.0	471.8	473.7	476.7	479.8
17.5°	445.2	448.6	450.9	453.8	457.6	460.4	463.0	466.8	469.2	472.5	476.0
20°	439.1	442.4	445.2	448.1	451.9	454.7	457.8	461.6	464.2	467.5	470.3
22.5°	431.7	434.8	437.9	441.2	445.0	447.4	450.9	454.2	457.1	460.2	463.0
25°	422.3	426.1	428.4	431.5	434.6	437.2	441.0	444.3	446.7	449.5	452.1
27.5°	411.1	414.0	415.9	418.5	421.6	423.9	426.8	430.1	432.5	435.1	436.9
30°	392.2	394.8	396.5	398.3	401.4	403.6	405.9	409.0	410.7	412.6	414.2
32.5°	367.3	369.5	370.4	371.8	374.0	376.1	378.0	380.6	381.3	382.5	382.5
35°	331.3	331.8	331.6	332.0	333.0	334.2	335.8	337.5	338.4	338.4	337.7
37.5°	289.2	286.3	283.3	280.9	280.2	279.7	280.6	281.3	282.3	282.8	281.6
40°	245.4	239.0	232.1	225.9	221.7	219.8	219.1	219.5	219.5	221.2	221.2
42.5°	207.7	197.8	187.6	178.3	172.2	167.4	165.3	165.3	165.5	166.7	167.4
45°	176.4	163.9	152.0	141.9	133.3	127.2	124.3	123.6	123.4	123.9	125.5
47.5°	152.5	139.5	127.2	114.6	105.6	99.5	96.9	95.9	95.0	95.9	96.2
50°	133.8	120.3	107.3	94.7	85.3	79.8	76.5	75.1	74.8	74.8	75.3
52.5°	116.8	104.2	91.2	78.4	68.4	63.2	60.2	59.4	58.5	59.4	59.4
55°	100.6	88.1	75.3	63.2	54.9	49.5	46.7	45.7	45.2	45.9	45.9
57.5°	83.1	72.5	60.6	49.7	41.4	37.7	35.5	34.3	34.1	34.6	34.1
60°	68.2	59.2	49.0	39.1	32.7	28.7	27.0	26.5	26.0	26.5	26.5
62.5°	54.0	46.4	38.1	30.6	25.1	22.3	20.4	20.4	20.1	20.1	20.4
65°	40.0	34.1	28.2	21.8	17.5	15.4	14.0	14.0	13.7	14.0	13.7
67.5°	29.1	25.1	20.4	15.9	12.6	11.4	10.4	9.7	10.2	9.7	9.5
70°	21.3	18.0	14.7	12.1	9.7	8.5	7.8	7.6	7.1	7.1	7.1
72.5°	14.2	12.1	9.9	7.8	6.4	5.2	5.0	4.5	4.0	4.3	4.7
75°	9.5	8.1	7.1	5.7	4.3	4.3	2.8	2.8	2.4	2.8	2.1
77.5°	6.6	5.4	4.3	3.5	2.8	2.6	1.9	1.9	1.7	1.7	1.7
80°	4.7	4.0	3.1	2.6	1.9	1.9	1.7	1.4	1.2	1.2	1.4
82.5°	2.8	2.1	2.1	1.9	1.2	0.9	0.7	0.9	0.5	0.5	0.5
85°	1.7	1.4	1.2	0.7	0.5	0.5	0.2	0.0	0.2	0.2	0.0
87.5°	0.9	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°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	487.9	487.6	488.1	488.1	489.5	489.3	490.0	490.0	489.5	489.8	490.7
5°	489.5	490.2	491.7	492.8	495.0	495.9	497.1	498.3	498.5	499.2	500.0
7.5°	489.5	491.9	493.6	495.7	498.5	500.2	502.8	504.9	505.9	507.0	508.5
10°	488.6	490.9	494.0	496.4	500.0	502.6	505.2	508.5	509.9	511.8	513.7
12.5°	486.7	489.3	492.6	495.7	499.7	502.1	505.4	508.5	510.6	513.2	515.3
15°	483.8	486.9	490.0	493.1	497.3	500.2	503.3	506.8	508.9	511.8	513.7
17.5°	479.3	482.7	485.5	488.3	492.4	495.7	498.5	501.8	504.0	506.3	508.9
20°	473.9	477.0	480.1	482.4	486.5	489.3	492.4	495.4	497.1	497.6	501.6
22.5°	467.0	469.2	471.5	475.3	477.7	480.3	483.1	486.0	487.6	490.2	491.7
25°	455.7	457.8	460.4	462.1	464.9	467.0	469.9	472.9	473.9	475.8	477.2
27.5°	439.8	441.0	442.2	443.6	445.2	446.4	448.1	449.5	450.5	451.4	452.3
30°	414.7	414.7	414.7	413.7	414.5	415.2	415.4	415.2	415.2	414.9	414.9
32.5°	381.5	379.6	377.5	375.6	374.9	374.0	373.5	372.8	371.6	370.9	371.1
35°	336.8	332.5	329.9	327.5	325.6	324.2	323.5	322.8	322.6	321.6	320.7
37.5°	280.9	277.8	275.9	274.5	272.8	271.4	271.6	271.9	272.6	272.1	272.4
40°	221.7	221.0	221.7	220.0	219.5	220.0	221.2	222.9	223.8	224.8	226.4
42.5°	168.6	169.8	171.5	171.5	172.2	173.1	174.5	177.2	178.6	180.2	182.1
45°	126.9	128.4	130.5	131.2	131.7	132.9	134.5	136.6	137.6	139.0	140.7
47.5°	97.8	98.8	99.9	101.1	102.3	102.8	104.4	104.4	105.6	106.6	107.0
50°	76.3	77.2	78.2	78.9	79.3	80.1	80.5	81.2	81.5	81.9	82.2
52.5°	59.7	60.9	60.9	61.3	62.0	62.8	62.5	62.8	63.0	63.0	63.7
55°	46.7	46.7	47.4	47.4	47.8	47.6	47.8	47.8	47.8	47.8	48.1
57.5°	34.8	35.1	35.8	35.3	35.1	35.5	35.1	35.5	35.3	35.8	35.1
60°	26.8	26.8	27.0	27.0	27.2	27.2	27.2	27.0	27.0	26.8	26.8
62.5°	20.1	20.4	20.6	20.4	20.4	20.4	20.1	20.1	19.9	19.7	19.7
65°	13.5	13.3	13.7	13.3	13.5	13.5	13.3	13.5	12.8	13.0	12.8
67.5°	9.7	9.5	9.2	9.5	9.2	9.0	9.0	9.2	9.5	8.8	8.8
70°	6.4	6.6	6.4	6.6	6.9	6.9	6.6	6.4	6.6	6.2	6.4
72.5°	4.0	4.0	4.0	4.0	4.0	4.3	4.3	4.3	3.8	3.8	3.5
75°	1.9	2.6	2.1	1.9	2.6	2.6	2.4	2.4	2.1	2.1	2.1
77.5°	1.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.4	1.2
80°	0.9	0.9	0.9	0.7	0.9	0.9	1.2	0.9	0.9	0.7	1.2
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°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	490.5	490.2	490.5	490.7	490.5	490.2	490.5	490.7	489.8	489.5	490.0
5°	500.9	500.9	501.4	501.6	501.4	500.9	500.9	500.0	499.2	498.5	498.3
7.5°	509.9	510.4	510.8	511.1	510.8	510.4	509.9	508.5	507.0	505.9	504.9
10°	515.3	516.1	517.0	517.5	517.0	516.1	515.3	513.7	511.8	509.9	508.5
12.5°	517.7	518.4	519.6	519.4	519.6	518.4	517.7	515.3	513.2	510.6	508.5
15°	516.1	517.0	518.2	518.7	518.2	517.0	516.1	513.7	511.8	508.9	506.8
17.5°	510.8	512.3	513.0	513.7	513.0	512.3	510.8	508.9	506.3	504.0	501.8
20°	503.7	504.7	505.6	505.9	505.6	504.7	503.7	501.6	497.6	497.1	495.4
22.5°	493.6	494.3	496.4	495.7	496.4	494.3	493.6	491.7	490.2	487.6	486.0
25°	478.9	479.6	479.8	480.1	479.8	479.6	478.9	477.2	475.8	473.9	472.9
27.5°	453.5	453.5	454.0	454.2	454.0	453.5	453.5	452.3	451.4	450.5	449.5
30°	415.2	415.2	415.2	416.4	415.2	415.2	415.2	414.9	414.9	415.2	415.2
32.5°	370.9	370.4	369.9	370.4	369.9	370.4	370.9	371.1	370.9	371.6	372.8
35°	320.7	320.4	321.1	320.2	321.1	320.4	320.7	320.7	321.6	322.6	322.8
37.5°	272.6	272.1	273.1	272.1	273.1	272.1	272.6	272.4	272.1	272.6	271.9
40°	226.9	227.4	227.4	229.3	227.4	227.4	226.9	226.4	224.8	223.8	222.9
42.5°	183.1	184.5	184.0	185.4	184.0	184.5	183.1	182.1	180.2	178.6	177.2
45°	141.6	142.6	142.6	143.0	142.6	142.6	141.6	140.7	139.0	137.6	136.6
47.5°	108.7	108.7	108.7	108.9	108.7	108.7	108.7	107.0	106.6	105.6	104.4
50°	82.7	82.9	83.1	83.4	83.1	82.9	82.7	82.2	81.9	81.5	81.2
52.5°	63.5	63.7	63.2	63.7	63.2	63.7	63.5	63.7	63.0	63.0	62.8
55°	48.1	47.8	48.1	48.3	48.1	47.8	48.1	48.1	47.8	47.8	47.8
57.5°	35.3	34.8	34.8	34.8	34.8	34.8	35.3	35.1	35.8	35.3	35.5
60°	26.3	26.5	26.5	26.8	26.5	26.5	26.3	26.8	26.8	27.0	27.0
62.5°	19.4	20.1	19.7	20.1	19.7	20.1	19.4	19.7	19.7	19.9	20.1
65°	12.6	12.6	12.6	12.8	12.6	12.6	12.6	12.8	13.0	12.8	13.5
67.5°	8.5	8.8	9.2	9.0	9.2	8.8	8.5	8.8	8.8	9.5	9.2
70°	6.9	6.2	6.2	6.9	6.2	6.2	6.9	6.4	6.2	6.6	6.4
72.5°	4.0	3.5	4.0	4.0	4.0	3.5	4.0	3.5	3.8	3.8	4.3
75°	2.1	1.9	1.7	2.4	1.7	1.9	2.1	2.1	2.1	2.1	2.4
77.5°	1.4	1.2	1.7	1.7	1.7	1.2	1.4	1.2	1.4	1.2	1.4
80°	0.7	0.9	0.7	1.2	0.7	0.9	0.7	1.2	0.7	0.9	0.9
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: P245886

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	490.0	489.3	489.5	488.1	488.1	487.6	487.9	486.7	486.2	485.7	486.5
5°	497.1	495.9	495.0	492.8	491.7	490.2	489.5	487.6	486.0	484.5	484.3
7.5°	502.8	500.2	498.5	495.7	493.6	491.9	489.5	486.9	484.8	482.9	481.5
10°	505.2	502.6	500.0	496.4	494.0	490.9	488.6	485.3	482.4	479.8	478.2
12.5°	505.4	502.1	499.7	495.7	492.6	489.3	486.7	482.9	479.6	477.0	474.4
15°	503.3	500.2	497.3	493.1	490.0	486.9	483.8	479.8	476.7	473.7	471.8
17.5°	498.5	495.7	492.4	488.3	485.5	482.7	479.3	476.0	472.5	469.2	466.8
20°	492.4	489.3	486.5	482.4	480.1	477.0	473.9	470.3	467.5	464.2	461.6
22.5°	483.1	480.3	477.7	475.3	471.5	469.2	467.0	463.0	460.2	457.1	454.2
25°	469.9	467.0	464.9	462.1	460.4	457.8	455.7	452.1	449.5	446.7	444.3
27.5°	448.1	446.4	445.2	443.6	442.2	441.0	439.8	436.9	435.1	432.5	430.1
30°	415.4	415.2	414.5	413.7	414.7	414.7	414.7	414.2	412.6	410.7	409.0
32.5°	373.5	374.0	374.9	375.6	377.5	379.6	381.5	382.5	382.5	381.3	380.6
35°	323.5	324.2	325.6	327.5	329.9	332.5	336.8	337.7	338.4	338.4	337.5
37.5°	271.6	271.4	272.8	274.5	275.9	277.8	280.9	281.6	282.8	282.3	281.3
40°	221.2	220.0	219.5	220.0	221.7	221.0	221.7	221.2	221.2	219.5	219.5
42.5°	174.5	173.1	172.2	171.5	171.5	169.8	168.6	167.4	166.7	165.5	165.3
45°	134.5	132.9	131.7	131.2	130.5	128.4	126.9	125.5	123.9	123.4	123.6
47.5°	104.4	102.8	102.3	101.1	99.9	98.8	97.8	96.2	95.9	95.0	95.9
50°	80.5	80.1	79.3	78.9	78.2	77.2	76.3	75.3	74.8	74.8	75.1
52.5°	62.5	62.8	62.0	61.3	60.9	60.9	59.7	59.4	59.4	58.5	59.4
55°	47.8	47.6	47.8	47.4	47.4	46.7	46.7	45.9	45.9	45.2	45.7
57.5°	35.1	35.5	35.1	35.3	35.8	35.1	34.8	34.1	34.6	34.1	34.3
60°	27.2	27.2	27.2	27.0	27.0	26.8	26.8	26.5	26.5	26.0	26.5
62.5°	20.1	20.4	20.4	20.4	20.6	20.4	20.1	20.4	20.1	20.1	20.4
65°	13.3	13.5	13.5	13.3	13.7	13.3	13.5	13.7	14.0	13.7	14.0
67.5°	9.0	9.0	9.2	9.5	9.2	9.5	9.7	9.5	9.7	10.2	9.7
70°	6.6	6.9	6.9	6.6	6.4	6.6	6.4	7.1	7.1	7.1	7.6
72.5°	4.3	4.3	4.0	4.0	4.0	4.0	4.0	4.7	4.3	4.0	4.5
75°	2.4	2.6	2.6	1.9	2.1	2.6	1.9	2.1	2.8	2.4	2.8
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.7	1.7	1.7	1.9
80°	1.2	0.9	0.9	0.7	0.9	0.9	0.9	1.4	1.2	1.2	1.4
82.5°	0.5	0.5	0.2	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.9
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: P245886

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	484.5	484.5	484.3	483.8	482.9	482.9	482.7	481.9	481.5	481.2	481.2
5°	482.2	481.2	480.3	477.7	477.7	477.2	475.8	474.8	474.4	473.2	472.7
7.5°	480.1	477.2	475.6	473.9	471.8	470.8	469.2	468.4	466.8	465.6	464.9
10°	474.8	472.9	470.8	468.2	466.6	464.7	462.8	461.3	459.2	458.0	457.1
12.5°	471.3	468.4	466.6	463.7	460.9	459.2	456.6	455.0	452.8	450.5	449.0
15°	468.0	464.9	462.3	459.2	456.1	454.2	451.2	449.3	446.2	443.8	442.2
17.5°	463.0	460.4	457.6	453.8	450.9	448.6	445.2	442.9	440.0	436.9	435.3
20°	457.8	454.7	451.9	448.1	445.2	442.4	439.1	436.5	433.2	430.3	428.4
22.5°	450.9	447.4	445.0	441.2	437.9	434.8	431.7	428.7	425.6	423.2	421.1
25°	441.0	437.2	434.6	431.5	428.4	426.1	422.3	420.4	417.3	415.2	413.0
27.5°	426.8	423.9	421.6	418.5	415.9	414.0	411.1	409.2	406.6	404.7	403.1
30°	405.9	403.6	401.4	398.3	396.5	394.8	392.2	390.5	388.6	386.5	386.0
32.5°	378.0	376.1	374.0	371.8	370.4	369.5	367.3	366.4	364.5	363.3	362.1
35°	335.8	334.2	333.0	332.0	331.6	331.8	331.3	332.3	332.7	332.5	332.7
37.5°	280.6	279.7	280.2	280.9	283.3	286.3	289.2	293.4	296.3	299.1	301.7
40°	219.1	219.8	221.7	225.9	232.1	239.0	245.4	253.4	261.5	267.1	272.4
42.5°	165.3	167.4	172.2	178.3	187.6	197.8	207.7	219.5	229.3	238.7	245.4
45°	124.3	127.2	133.3	141.9	152.0	163.9	176.4	189.7	201.3	211.0	218.4
47.5°	96.9	99.5	105.6	114.6	127.2	139.5	152.5	166.3	178.3	187.8	194.2
50°	76.5	79.8	85.3	94.7	107.3	120.3	133.8	147.3	158.7	166.7	172.4
52.5°	60.2	63.2	68.4	78.4	91.2	104.2	116.8	130.0	140.0	147.8	151.6
55°	46.7	49.5	54.9	63.2	75.3	88.1	100.6	112.0	121.3	126.9	130.5
57.5°	35.5	37.7	41.4	49.7	60.6	72.5	83.1	94.5	101.6	105.6	108.0
60°	27.0	28.7	32.7	39.1	49.0	59.2	68.2	76.7	82.4	85.7	88.1
62.5°	20.4	22.3	25.1	30.6	38.1	46.4	54.0	60.4	65.1	67.3	68.9
65°	14.0	15.4	17.5	21.8	28.2	34.1	40.0	44.8	47.8	50.2	51.2
67.5°	10.4	11.4	12.6	15.9	20.4	25.1	29.1	32.4	35.8	36.7	38.4
70°	7.8	8.5	9.7	12.1	14.7	18.0	21.3	23.2	25.6	27.2	27.7
72.5°	5.0	5.2	6.4	7.8	9.9	12.1	14.2	15.9	17.3	18.2	18.7
75°	2.8	4.3	4.3	5.7	7.1	8.1	9.5	10.7	11.4	12.1	12.1
77.5°	1.9	2.6	2.8	3.5	4.3	5.4	6.6	7.3	8.1	8.3	8.3
80°	1.7	1.9	1.9	2.6	3.1	4.0	4.7	5.0	5.4	5.7	6.2
82.5°	0.7	0.9	1.2	1.9	2.1	2.1	2.8	3.1	3.5	3.8	3.8
85°	0.2	0.5	0.5	0.7	1.2	1.4	1.7	1.9	2.1	2.1	2.4
87.5°	0.2	0.2	0.0	0.2	0.5	0.5	0.9	0.9	0.9	1.4	1.4
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: P245886

CATALOG NUMBER: LSR8B10D010 EC8B10827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	485.0	485.0	485.0	485.0	485.0	485.0	485.0
2.5°	480.8	481.0	480.1	479.8	479.3	479.6	480.1
5°	472.0	472.2	471.3	470.3	470.3	470.1	470.3
7.5°	463.7	464.0	462.5	462.1	461.1	461.3	461.3
10°	455.4	455.4	453.3	453.1	452.3	452.1	452.1
12.5°	447.4	446.7	445.0	444.1	444.5	443.1	443.1
15°	440.3	439.1	436.9	436.2	435.1	434.6	434.6
17.5°	432.9	432.0	430.1	428.7	427.2	427.0	427.2
20°	425.8	424.9	422.5	421.6	420.4	420.4	419.9
22.5°	418.7	417.8	415.6	414.9	413.3	413.3	413.5
25°	411.4	410.7	408.3	407.8	407.6	406.6	407.1
27.5°	401.4	400.9	399.1	398.3	397.4	397.2	397.6
30°	383.2	382.5	381.1	380.4	378.7	378.9	379.4
32.5°	360.5	359.5	357.6	356.9	355.5	355.0	355.2
35°	332.0	331.3	329.7	329.7	328.2	327.8	328.2
37.5°	303.1	303.8	303.1	303.8	303.1	302.9	303.1
40°	275.9	278.5	279.0	281.6	280.6	282.1	281.8
42.5°	249.9	254.1	255.8	257.9	257.4	258.4	259.1
45°	223.6	227.1	228.8	230.2	230.4	230.9	231.1
47.5°	198.7	201.5	201.8	203.4	203.2	203.2	203.9
50°	175.5	177.4	177.9	179.0	178.1	177.6	177.9
52.5°	153.9	155.8	155.4	155.8	154.7	154.2	154.4
55°	131.9	132.9	132.9	132.9	131.4	131.4	131.4
57.5°	109.4	109.7	109.2	109.4	109.2	107.8	107.5
60°	88.8	88.8	88.6	88.8	88.1	87.4	87.4
62.5°	69.4	69.9	70.8	69.9	69.4	69.9	69.2
65°	51.9	52.8	52.6	53.0	52.8	52.8	52.3
67.5°	39.1	39.3	39.5	39.8	39.8	39.8	39.8
70°	28.7	29.4	29.1	29.1	29.1	29.1	30.6
72.5°	19.2	20.1	19.9	20.4	20.4	20.8	20.4
75°	13.0	14.0	13.5	14.2	14.0	13.5	14.7
77.5°	8.8	9.2	9.5	9.7	9.5	9.2	9.5
80°	6.2	6.6	6.4	6.6	6.6	6.6	6.9
82.5°	3.8	4.5	4.3	4.5	4.3	4.5	4.5
85°	2.6	2.8	2.4	2.8	2.6	2.6	3.1
87.5°	1.7	1.4	1.4	1.7	1.4	1.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)