

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: P244584

Luminaire Tested: **LSR8B10D010 EC8B10930 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244584
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 EC8B10930 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 941.6 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

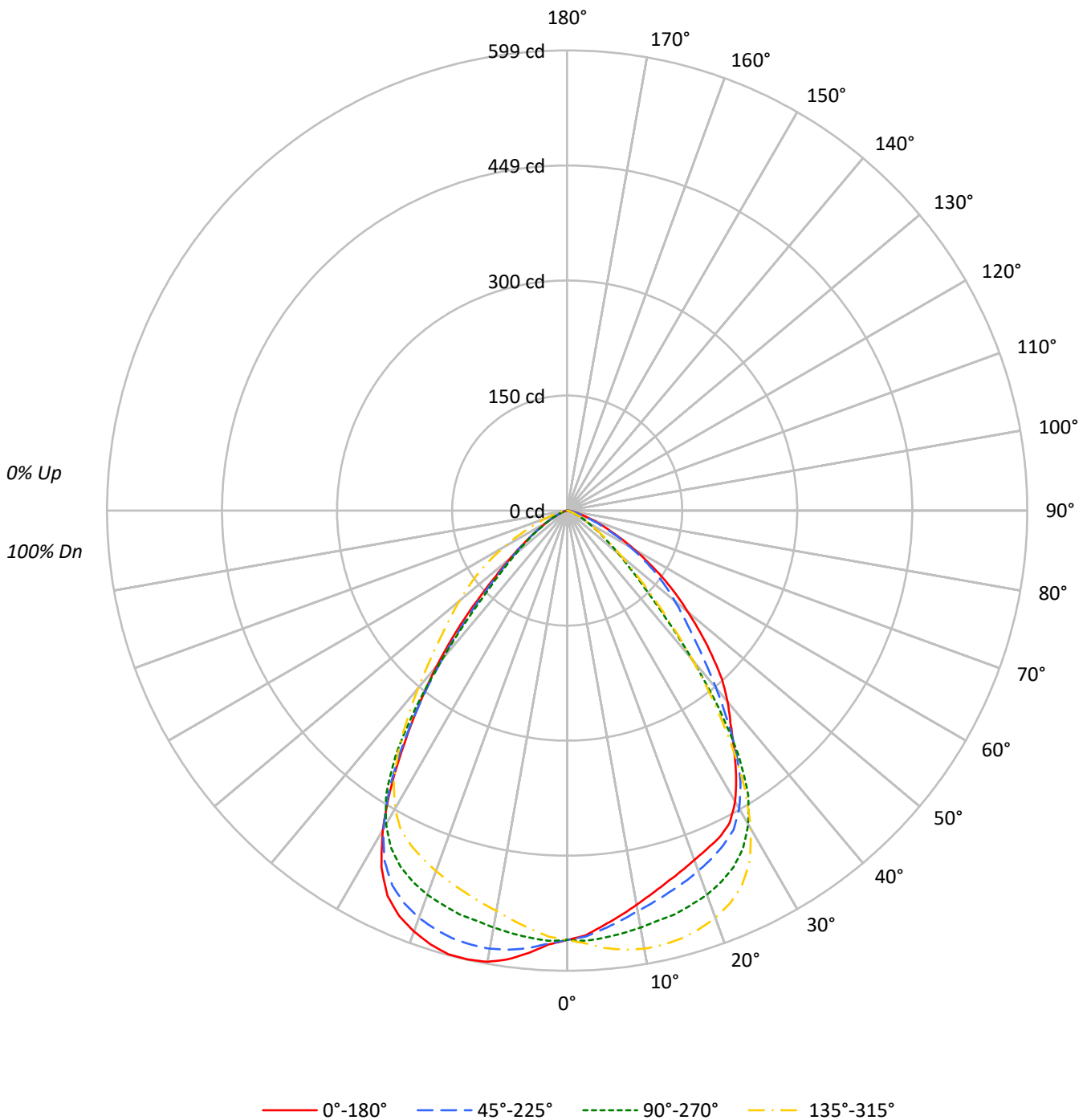
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	5.7
10°-20°	154.1	16.4
20°-30°	233.3	24.8
30°-40°	233.8	24.8
40°-50°	146.8	15.6
50°-60°	78.2	8.3
60°-70°	32.2	3.4
70°-80°	8.5	0.9
80°-90°	1.4	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°	440.6	46.8
0°-40°	674.4	71.6
0°-60°	899.5	95.5
0°-90°	941.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	559	559	559	559	559	
5°	542	558	578	558	542	51
15°	501	544	598	544	501	142
25°	469	512	553	512	469	215
35°	378	389	369	389	378	237
45°	266	142	165	142	266	205
55°	151	53	56	53	151	135
65°	60	16	15	16	60	63
75°	17	3	3	3	17	19
85°	4	0	0	0	4	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°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	553.3	552.8	552.4	553.0	553.3	554.3	554.1	554.7	554.7	554.9	555.5
5°	542.1	541.8	542.1	542.1	543.2	544.2	544.0	544.8	545.4	546.7	547.3
7.5°	531.7	531.7	531.5	532.6	533.0	534.7	534.5	535.8	536.6	538.0	539.9
10°	521.0	521.0	521.4	522.2	522.5	524.9	524.9	526.8	527.9	529.2	531.7
12.5°	510.7	510.7	512.3	511.8	512.9	514.8	515.7	517.6	519.1	521.9	524.4
15°	500.9	500.9	501.4	502.8	503.7	506.0	507.5	509.6	511.5	514.3	517.8
17.5°	492.5	492.1	492.5	494.0	495.7	497.8	499.0	501.6	503.7	507.1	510.4
20°	483.9	484.5	484.5	485.8	487.0	489.7	490.8	493.8	495.9	499.3	503.1
22.5°	476.5	476.3	476.3	478.2	479.0	481.5	482.6	485.3	487.7	490.5	494.0
25°	469.3	468.7	469.8	470.0	470.6	473.3	474.2	476.1	478.4	480.9	484.5
27.5°	458.3	457.7	458.0	459.2	459.9	462.1	462.6	464.5	466.4	468.7	471.7
30°	437.3	436.7	436.5	438.4	439.2	440.8	441.7	444.9	445.5	448.0	450.1
32.5°	409.4	409.2	409.7	411.3	412.2	414.3	415.4	417.3	418.7	420.0	422.3
35°	378.3	377.8	378.3	380.0	380.0	381.9	382.7	383.5	383.3	383.5	382.9
37.5°	349.4	349.1	349.4	350.2	349.4	350.2	349.4	347.7	344.7	341.5	338.2
40°	324.9	325.1	323.4	324.5	321.5	321.1	318.0	313.9	307.9	301.3	292.0
42.5°	298.6	297.8	296.7	297.3	294.8	292.9	288.0	282.8	275.1	264.2	253.0
45°	266.5	266.1	265.6	265.3	263.7	261.8	257.7	251.7	243.3	232.0	218.6
47.5°	235.1	234.2	234.2	234.5	232.6	232.3	229.0	223.9	216.5	205.6	191.6
50°	205.0	204.7	205.3	206.4	205.0	204.5	202.2	198.8	192.1	182.8	169.8
52.5°	178.0	177.7	178.2	179.6	179.0	179.6	177.5	174.7	170.3	161.3	149.9
55°	151.4	151.4	151.4	153.1	153.1	153.1	152.0	150.4	146.3	139.8	129.1
57.5°	123.9	124.2	125.9	126.1	125.9	126.3	126.1	124.4	121.7	117.1	109.0
60°	100.8	100.8	101.6	102.3	102.1	102.3	102.3	101.6	98.8	94.9	88.4
62.5°	79.7	80.5	79.9	80.5	81.6	80.5	79.9	79.5	77.6	75.1	69.6
65°	60.3	60.9	60.9	61.1	60.6	60.9	59.7	59.0	57.8	55.2	51.6
67.5°	45.8	45.8	45.8	45.8	45.6	45.3	45.1	44.2	42.3	41.3	37.4
70°	35.2	33.5	33.5	33.5	33.5	33.9	33.1	31.9	31.4	29.5	26.8
72.5°	23.4	24.0	23.4	23.4	23.0	23.2	22.1	21.5	21.1	20.0	18.3
75°	16.9	15.6	16.1	16.4	15.6	16.1	15.0	13.9	13.9	13.1	12.3
77.5°	10.9	10.6	10.9	11.2	10.9	10.6	10.1	9.5	9.5	9.3	8.4
80°	8.0	7.6	7.6	7.6	7.4	7.6	7.1	7.1	6.5	6.3	5.7
82.5°	5.2	5.2	4.9	5.2	4.9	5.2	4.4	4.4	4.4	4.0	3.6
85°	3.6	3.0	3.0	3.3	2.7	3.3	3.0	2.7	2.5	2.5	2.1
87.5°	1.7	1.9	1.7	1.9	1.7	1.7	1.9	1.7	1.7	1.1	1.1
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°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	556.2	556.6	556.6	557.7	558.1	558.5	558.5	560.6	559.8	560.4	560.9
5°	548.4	550.0	550.5	550.5	553.5	554.7	555.8	558.1	558.5	560.2	562.1
7.5°	540.8	542.7	543.8	546.2	548.1	550.0	553.3	554.9	556.6	558.7	561.2
10°	533.4	535.5	537.7	539.6	542.7	545.1	547.3	551.1	553.0	556.0	559.3
12.5°	526.3	529.2	531.1	534.5	537.7	539.9	543.2	546.7	549.7	552.8	556.6
15°	520.0	523.5	525.7	529.2	532.8	535.8	539.4	543.8	545.9	549.5	553.0
17.5°	513.2	517.0	519.7	522.9	527.3	530.7	533.6	538.0	540.8	544.6	548.6
20°	506.0	509.9	513.2	516.4	520.8	524.1	527.7	532.0	535.1	538.9	542.1
22.5°	497.6	501.2	504.7	508.5	512.9	515.7	519.7	523.5	526.8	530.3	533.6
25°	486.7	491.1	493.8	497.3	500.9	503.9	508.3	512.1	514.8	518.1	521.0
27.5°	473.8	477.1	479.3	482.4	485.8	488.6	491.9	495.7	498.4	501.4	503.7
30°	452.0	455.0	456.9	459.2	462.6	465.1	467.9	471.4	473.3	475.5	477.4
32.5°	423.4	425.9	426.9	428.6	431.0	433.5	435.6	438.6	439.4	440.8	440.8
35°	381.9	382.4	382.1	382.7	383.8	385.2	387.1	389.0	390.1	390.1	389.2
37.5°	333.3	330.0	326.4	323.7	323.0	322.4	323.4	324.3	325.4	325.9	324.5
40°	282.8	275.4	267.5	260.4	255.5	253.3	252.4	253.0	253.0	254.9	254.9
42.5°	239.4	227.9	216.2	205.6	198.4	193.0	190.6	190.6	190.8	192.1	193.0
45°	203.3	188.9	175.2	163.6	153.7	146.6	143.3	142.5	142.3	142.7	144.7
47.5°	175.8	160.8	146.6	132.2	121.7	114.7	111.7	110.5	109.4	110.5	110.9
50°	154.2	138.7	123.6	109.2	98.3	92.0	88.1	86.5	86.2	86.2	86.8
52.5°	134.5	120.1	105.1	90.4	78.9	72.9	69.3	68.5	67.4	68.5	68.5
55°	116.0	101.6	86.8	72.9	63.3	57.1	53.8	52.7	52.1	52.9	52.9
57.5°	95.8	83.5	69.8	57.3	47.8	43.4	40.9	39.6	39.3	39.8	39.3
60°	78.6	68.3	56.5	45.1	37.7	33.1	31.2	30.6	30.0	30.6	30.6
62.5°	62.2	53.5	43.9	35.2	28.9	25.7	23.4	23.4	23.2	23.2	23.4
65°	46.2	39.3	32.5	25.1	20.2	17.7	16.1	16.1	15.8	16.1	15.8
67.5°	33.5	28.9	23.4	18.3	14.5	13.1	12.0	11.2	11.8	11.2	10.9
70°	24.5	20.7	16.9	13.9	11.2	9.9	9.0	8.7	8.2	8.2	8.2
72.5°	16.4	13.9	11.4	9.0	7.4	6.1	5.7	5.2	4.6	4.9	5.5
75°	10.9	9.3	8.2	6.5	4.9	4.9	3.3	3.3	2.7	3.3	2.5
77.5°	7.6	6.3	4.9	4.0	3.3	3.0	2.1	2.1	1.9	1.9	1.9
80°	5.5	4.6	3.6	3.0	2.1	2.1	1.9	1.7	1.3	1.3	1.7
82.5°	3.3	2.5	2.5	2.1	1.3	1.1	0.8	1.1	0.6	0.6	0.6
85°	1.9	1.7	1.3	0.8	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.1	0.6	0.6	0.2	0.0	0.2	0.2	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	562.3	562.1	562.5	562.5	564.2	564.0	564.8	564.8	564.2	564.5	565.5
5°	564.2	565.0	566.7	568.0	570.5	571.6	572.9	574.3	574.6	575.4	576.2
7.5°	564.2	566.9	568.9	571.3	574.6	576.5	579.4	581.9	583.0	584.4	586.1
10°	563.1	565.9	569.4	572.2	576.2	579.2	582.2	586.1	587.6	589.9	592.0
12.5°	560.9	564.0	567.8	571.3	576.0	578.7	582.5	586.1	588.5	591.6	594.0
15°	557.7	561.2	564.8	568.3	573.2	576.5	580.0	584.2	586.6	589.9	592.0
17.5°	552.4	556.2	559.6	562.9	567.5	571.3	574.6	578.4	580.9	583.6	586.6
20°	546.2	549.7	553.3	556.0	560.6	564.0	567.5	571.0	572.9	573.5	578.1
22.5°	538.3	540.8	543.5	547.8	550.5	553.5	556.8	560.2	562.1	565.0	566.7
25°	525.2	527.7	530.7	532.6	535.8	538.3	541.6	545.1	546.2	548.4	550.0
27.5°	506.9	508.3	509.6	511.3	513.2	514.5	516.4	518.1	519.1	520.3	521.4
30°	478.0	478.0	478.0	476.9	477.7	478.4	478.8	478.4	478.4	478.2	478.2
32.5°	439.8	437.5	435.1	432.9	432.1	431.0	430.5	429.7	428.2	427.4	427.8
35°	388.1	383.3	380.2	377.6	375.3	373.6	372.8	372.1	371.7	370.7	369.6
37.5°	323.7	320.2	318.0	316.3	314.4	312.8	313.1	313.3	314.2	313.7	313.9
40°	255.5	254.7	255.5	253.6	253.0	253.6	254.9	256.8	257.9	259.1	261.0
42.5°	194.4	195.7	197.6	197.6	198.4	199.5	201.2	204.1	205.8	207.7	210.0
45°	146.3	148.0	150.4	151.2	151.8	153.1	155.0	157.5	158.6	160.2	162.1
47.5°	112.8	113.8	115.2	116.6	117.9	118.5	120.4	120.4	121.7	122.9	123.4
50°	87.9	89.0	90.1	90.9	91.5	92.3	92.8	93.6	93.9	94.4	94.7
52.5°	68.8	70.2	70.2	70.7	71.5	72.3	72.1	72.3	72.6	72.6	73.4
55°	53.8	53.8	54.6	54.6	55.2	54.8	55.2	55.2	55.2	55.2	55.4
57.5°	40.1	40.4	41.3	40.7	40.4	40.9	40.4	40.9	40.7	41.3	40.4
60°	30.8	30.8	31.2	31.2	31.4	31.4	31.4	31.2	31.2	30.8	30.8
62.5°	23.2	23.4	23.8	23.4	23.4	23.4	23.2	23.2	23.0	22.6	22.6
65°	15.6	15.2	15.8	15.2	15.6	15.6	15.2	15.6	14.7	15.0	14.7
67.5°	11.2	10.9	10.6	10.9	10.6	10.4	10.4	10.6	10.9	10.1	10.1
70°	7.4	7.6	7.4	7.6	8.0	8.0	7.6	7.4	7.6	7.1	7.4
72.5°	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.4	4.4	4.0
75°	2.1	3.0	2.5	2.1	3.0	3.0	2.7	2.7	2.5	2.5	2.5
77.5°	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.3	1.7	1.3
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.3	1.1	1.1	0.8	1.3
82.5°	0.6	0.6	0.6	0.0	0.2	0.6	0.6	0.2	0.6	0.6	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°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	565.3	565.0	565.3	565.5	565.3	565.0	565.3	565.5	564.5	564.2	564.8
5°	577.3	577.3	577.9	578.1	577.9	577.3	577.3	576.2	575.4	574.6	574.3
7.5°	587.6	588.2	588.7	589.1	588.7	588.2	587.6	586.1	584.4	583.0	581.9
10°	594.0	594.8	595.9	596.4	595.9	594.8	594.0	592.0	589.9	587.6	586.1
12.5°	596.7	597.5	598.8	598.6	598.8	597.5	596.7	594.0	591.6	588.5	586.1
15°	594.8	595.9	597.3	597.8	597.3	595.9	594.8	592.0	589.9	586.6	584.2
17.5°	588.7	590.4	591.2	592.0	591.2	590.4	588.7	586.6	583.6	580.9	578.4
20°	580.6	581.7	582.8	583.0	582.8	581.7	580.6	578.1	573.5	572.9	571.0
22.5°	568.9	569.7	572.2	571.3	572.2	569.7	568.9	566.7	565.0	562.1	560.2
25°	551.9	552.8	553.0	553.3	553.0	552.8	551.9	550.0	548.4	546.2	545.1
27.5°	522.7	522.7	523.3	523.5	523.3	522.7	522.7	521.4	520.3	519.1	518.1
30°	478.4	478.4	478.4	479.9	478.4	478.4	478.4	478.2	478.2	478.4	478.4
32.5°	427.4	426.9	426.3	426.9	426.3	426.9	427.4	427.8	427.4	428.2	429.7
35°	369.6	369.4	370.2	369.0	370.2	369.4	369.6	369.6	370.7	371.7	372.1
37.5°	314.2	313.7	314.8	313.7	314.8	313.7	314.2	313.9	313.7	314.2	313.3
40°	261.5	262.1	262.1	264.2	262.1	262.1	261.5	261.0	259.1	257.9	256.8
42.5°	211.0	212.7	212.1	213.8	212.1	212.7	211.0	210.0	207.7	205.8	204.1
45°	163.2	164.3	164.3	164.9	164.3	164.3	163.2	162.1	160.2	158.6	157.5
47.5°	125.3	125.3	125.3	125.6	125.3	125.3	125.3	123.4	122.9	121.7	120.4
50°	95.3	95.5	95.8	96.1	95.8	95.5	95.3	94.7	94.4	93.9	93.6
52.5°	73.2	73.4	72.9	73.4	72.9	73.4	73.2	73.4	72.6	72.6	72.3
55°	55.4	55.2	55.4	55.7	55.4	55.2	55.4	55.4	55.2	55.2	55.2
57.5°	40.7	40.1	40.1	40.1	40.1	40.1	40.7	40.4	41.3	40.7	40.9
60°	30.3	30.6	30.6	30.8	30.6	30.6	30.3	30.8	30.8	31.2	31.2
62.5°	22.4	23.2	22.6	23.2	22.6	23.2	22.4	22.6	22.6	23.0	23.2
65°	14.5	14.5	14.5	14.7	14.5	14.5	14.5	14.7	15.0	14.7	15.6
67.5°	9.9	10.1	10.6	10.4	10.6	10.1	9.9	10.1	10.1	10.9	10.6
70°	8.0	7.1	7.1	8.0	7.1	7.1	8.0	7.4	7.1	7.6	7.4
72.5°	4.6	4.0	4.6	4.6	4.6	4.0	4.6	4.0	4.4	4.4	4.9
75°	2.5	2.1	1.9	2.7	1.9	2.1	2.5	2.5	2.5	2.5	2.7
77.5°	1.7	1.3	1.9	1.9	1.9	1.3	1.7	1.3	1.7	1.3	1.7
80°	0.8	1.1	0.8	1.3	0.8	1.1	0.8	1.3	0.8	1.1	1.1
82.5°	0.2	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.6	0.6	0.2
85°	0.0	0.6	0.2	0.2	0.2	0.6	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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	564.8	564.0	564.2	562.5	562.5	562.1	562.3	560.9	560.4	559.8	560.6
5°	572.9	571.6	570.5	568.0	566.7	565.0	564.2	562.1	560.2	558.5	558.1
7.5°	579.4	576.5	574.6	571.3	568.9	566.9	564.2	561.2	558.7	556.6	554.9
10°	582.2	579.2	576.2	572.2	569.4	565.9	563.1	559.3	556.0	553.0	551.1
12.5°	582.5	578.7	576.0	571.3	567.8	564.0	560.9	556.6	552.8	549.7	546.7
15°	580.0	576.5	573.2	568.3	564.8	561.2	557.7	553.0	549.5	545.9	543.8
17.5°	574.6	571.3	567.5	562.9	559.6	556.2	552.4	548.6	544.6	540.8	538.0
20°	567.5	564.0	560.6	556.0	553.3	549.7	546.2	542.1	538.9	535.1	532.0
22.5°	556.8	553.5	550.5	547.8	543.5	540.8	538.3	533.6	530.3	526.8	523.5
25°	541.6	538.3	535.8	532.6	530.7	527.7	525.2	521.0	518.1	514.8	512.1
27.5°	516.4	514.5	513.2	511.3	509.6	508.3	506.9	503.7	501.4	498.4	495.7
30°	478.8	478.4	477.7	476.9	478.0	478.0	478.0	477.4	475.5	473.3	471.4
32.5°	430.5	431.0	432.1	432.9	435.1	437.5	439.8	440.8	440.8	439.4	438.6
35°	372.8	373.6	375.3	377.6	380.2	383.3	388.1	389.2	390.1	390.1	389.0
37.5°	313.1	312.8	314.4	316.3	318.0	320.2	323.7	324.5	325.9	325.4	324.3
40°	254.9	253.6	253.0	253.6	255.5	254.7	255.5	254.9	254.9	253.0	253.0
42.5°	201.2	199.5	198.4	197.6	197.6	195.7	194.4	193.0	192.1	190.8	190.6
45°	155.0	153.1	151.8	151.2	150.4	148.0	146.3	144.7	142.7	142.3	142.5
47.5°	120.4	118.5	117.9	116.6	115.2	113.8	112.8	110.9	110.5	109.4	110.5
50°	92.8	92.3	91.5	90.9	90.1	89.0	87.9	86.8	86.2	86.2	86.5
52.5°	72.1	72.3	71.5	70.7	70.2	70.2	68.8	68.5	68.5	67.4	68.5
55°	55.2	54.8	55.2	54.6	54.6	53.8	53.8	52.9	52.9	52.1	52.7
57.5°	40.4	40.9	40.4	40.7	41.3	40.4	40.1	39.3	39.8	39.3	39.6
60°	31.4	31.4	31.4	31.2	31.2	30.8	30.8	30.6	30.6	30.0	30.6
62.5°	23.2	23.4	23.4	23.4	23.8	23.4	23.2	23.4	23.2	23.2	23.4
65°	15.2	15.6	15.6	15.2	15.8	15.2	15.6	15.8	16.1	15.8	16.1
67.5°	10.4	10.4	10.6	10.9	10.6	10.9	11.2	10.9	11.2	11.8	11.2
70°	7.6	8.0	8.0	7.6	7.4	7.6	7.4	8.2	8.2	8.2	8.7
72.5°	4.9	4.9	4.6	4.6	4.6	4.6	4.6	5.5	4.9	4.6	5.2
75°	2.7	3.0	3.0	2.1	2.5	3.0	2.1	2.5	3.3	2.7	3.3
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.1	1.9	1.9	1.9	2.1
80°	1.3	1.1	1.1	0.8	1.1	1.1	1.1	1.7	1.3	1.3	1.7
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
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	0.6	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: P244584

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	558.5	558.5	558.1	557.7	556.6	556.6	556.2	555.5	554.9	554.7	554.7
5°	555.8	554.7	553.5	550.5	550.5	550.0	548.4	547.3	546.7	545.4	544.8
7.5°	553.3	550.0	548.1	546.2	543.8	542.7	540.8	539.9	538.0	536.6	535.8
10°	547.3	545.1	542.7	539.6	537.7	535.5	533.4	531.7	529.2	527.9	526.8
12.5°	543.2	539.9	537.7	534.5	531.1	529.2	526.3	524.4	521.9	519.1	517.6
15°	539.4	535.8	532.8	529.2	525.7	523.5	520.0	517.8	514.3	511.5	509.6
17.5°	533.6	530.7	527.3	522.9	519.7	517.0	513.2	510.4	507.1	503.7	501.6
20°	527.7	524.1	520.8	516.4	513.2	509.9	506.0	503.1	499.3	495.9	493.8
22.5°	519.7	515.7	512.9	508.5	504.7	501.2	497.6	494.0	490.5	487.7	485.3
25°	508.3	503.9	500.9	497.3	493.8	491.1	486.7	484.5	480.9	478.4	476.1
27.5°	491.9	488.6	485.8	482.4	479.3	477.1	473.8	471.7	468.7	466.4	464.5
30°	467.9	465.1	462.6	459.2	456.9	455.0	452.0	450.1	448.0	445.5	444.9
32.5°	435.6	433.5	431.0	428.6	426.9	425.9	423.4	422.3	420.0	418.7	417.3
35°	387.1	385.2	383.8	382.7	382.1	382.4	381.9	382.9	383.5	383.3	383.5
37.5°	323.4	322.4	323.0	323.7	326.4	330.0	333.3	338.2	341.5	344.7	347.7
40°	252.4	253.3	255.5	260.4	267.5	275.4	282.8	292.0	301.3	307.9	313.9
42.5°	190.6	193.0	198.4	205.6	216.2	227.9	239.4	253.0	264.2	275.1	282.8
45°	143.3	146.6	153.7	163.6	175.2	188.9	203.3	218.6	232.0	243.3	251.7
47.5°	111.7	114.7	121.7	132.2	146.6	160.8	175.8	191.6	205.6	216.5	223.9
50°	88.1	92.0	98.3	109.2	123.6	138.7	154.2	169.8	182.8	192.1	198.8
52.5°	69.3	72.9	78.9	90.4	105.1	120.1	134.5	149.9	161.3	170.3	174.7
55°	53.8	57.1	63.3	72.9	86.8	101.6	116.0	129.1	139.8	146.3	150.4
57.5°	40.9	43.4	47.8	57.3	69.8	83.5	95.8	109.0	117.1	121.7	124.4
60°	31.2	33.1	37.7	45.1	56.5	68.3	78.6	88.4	94.9	98.8	101.6
62.5°	23.4	25.7	28.9	35.2	43.9	53.5	62.2	69.6	75.1	77.6	79.5
65°	16.1	17.7	20.2	25.1	32.5	39.3	46.2	51.6	55.2	57.8	59.0
67.5°	12.0	13.1	14.5	18.3	23.4	28.9	33.5	37.4	41.3	42.3	44.2
70°	9.0	9.9	11.2	13.9	16.9	20.7	24.5	26.8	29.5	31.4	31.9
72.5°	5.7	6.1	7.4	9.0	11.4	13.9	16.4	18.3	20.0	21.1	21.5
75°	3.3	4.9	4.9	6.5	8.2	9.3	10.9	12.3	13.1	13.9	13.9
77.5°	2.1	3.0	3.3	4.0	4.9	6.3	7.6	8.4	9.3	9.5	9.5
80°	1.9	2.1	2.1	3.0	3.6	4.6	5.5	5.7	6.3	6.5	7.1
82.5°	0.8	1.1	1.3	2.1	2.5	2.5	3.3	3.6	4.0	4.4	4.4
85°	0.2	0.6	0.6	0.8	1.3	1.7	1.9	2.1	2.5	2.5	2.7
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.1	1.1	1.1	1.7	1.7
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: P244584

CATALOG NUMBER: LSR8B10D010 EC8B10930 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	554.1	554.3	553.3	553.0	552.4	552.8	553.3
5°	544.0	544.2	543.2	542.1	542.1	541.8	542.1
7.5°	534.5	534.7	533.0	532.6	531.5	531.7	531.7
10°	524.9	524.9	522.5	522.2	521.4	521.0	521.0
12.5°	515.7	514.8	512.9	511.8	512.3	510.7	510.7
15°	507.5	506.0	503.7	502.8	501.4	500.9	500.9
17.5°	499.0	497.8	495.7	494.0	492.5	492.1	492.5
20°	490.8	489.7	487.0	485.8	484.5	484.5	483.9
22.5°	482.6	481.5	479.0	478.2	476.3	476.3	476.5
25°	474.2	473.3	470.6	470.0	469.8	468.7	469.3
27.5°	462.6	462.1	459.9	459.2	458.0	457.7	458.3
30°	441.7	440.8	439.2	438.4	436.5	436.7	437.3
32.5°	415.4	414.3	412.2	411.3	409.7	409.2	409.4
35°	382.7	381.9	380.0	380.0	378.3	377.8	378.3
37.5°	349.4	350.2	349.4	350.2	349.4	349.1	349.4
40°	318.0	321.1	321.5	324.5	323.4	325.1	324.9
42.5°	288.0	292.9	294.8	297.3	296.7	297.8	298.6
45°	257.7	261.8	263.7	265.3	265.6	266.1	266.5
47.5°	229.0	232.3	232.6	234.5	234.2	234.2	235.1
50°	202.2	204.5	205.0	206.4	205.3	204.7	205.0
52.5°	177.5	179.6	179.0	179.6	178.2	177.7	178.0
55°	152.0	153.1	153.1	153.1	151.4	151.4	151.4
57.5°	126.1	126.3	125.9	126.1	125.9	124.2	123.9
60°	102.3	102.3	102.1	102.3	101.6	100.8	100.8
62.5°	79.9	80.5	81.6	80.5	79.9	80.5	79.7
65°	59.7	60.9	60.6	61.1	60.9	60.9	60.3
67.5°	45.1	45.3	45.6	45.8	45.8	45.8	45.8
70°	33.1	33.9	33.5	33.5	33.5	33.5	35.2
72.5°	22.1	23.2	23.0	23.4	23.4	24.0	23.4
75°	15.0	16.1	15.6	16.4	16.1	15.6	16.9
77.5°	10.1	10.6	10.9	11.2	10.9	10.6	10.9
80°	7.1	7.6	7.4	7.6	7.6	7.6	8.0
82.5°	4.4	5.2	4.9	5.2	4.9	5.2	5.2
85°	3.0	3.3	2.7	3.3	3.0	3.0	3.6
87.5°	1.9	1.7	1.7	1.9	1.7	1.9	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)