

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: P245010

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245010
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 EC8B10927 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 885.4 lumens
Efficiency: N/A
Efficacy: 86.8 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

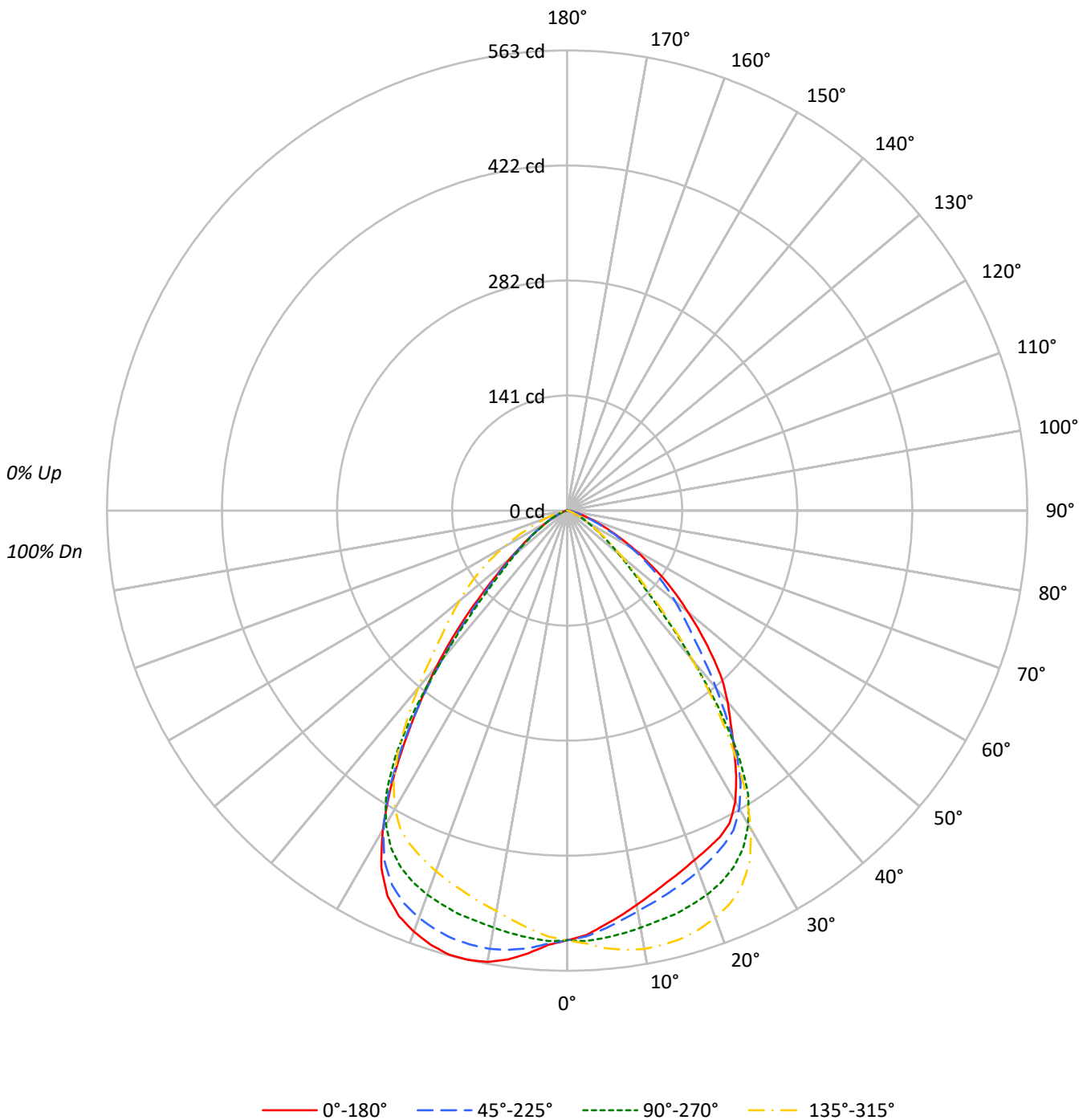
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16208	16208	16208	16208
5°	15777	16245	16827	16245
10°	15340	16226	17560	16226
15°	15033	16320	17945	16320
20°	14934	16414	17989	16414
25°	15011	16383	17699	16383
30°	14641	15781	16066	15781
35°	13390	13766	13063	13766
40°	12294	9576	9999	9576
45°	10924	5844	6759	5844
50°	9244	3900	4332	3900
55°	7656	2661	2812	2661
60°	5840	1776	1789	1776
65°	4137	1109	1007	1109
70°	2984	739	667	739
75°	1894	357	310	357
80°	1314	284	213	284
85°	1203	0	71	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	5.7
10°-20°	144.9	16.4
20°-30°	219.4	24.8
30°-40°	219.9	24.8
40°-50°	138.1	15.6
50°-60°	73.6	8.3
60°-70°	30.2	3.4
70°-80°	8.0	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°	414.3	46.8
0°-40°	634.1	71.6
0°-60°	845.8	95.5
0°-90°	885.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	885.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	526	526	526	526	526	
5°	510	525	544	525	510	48
15°	471	511	562	511	471	133
25°	441	482	520	482	441	202
35°	356	366	347	366	356	223
45°	250	134	155	134	250	193
55°	142	50	52	50	142	127
65°	57	15	14	15	57	59
75°	16	3	3	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°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	520.2	519.8	519.4	520.0	520.2	521.2	521.0	521.6	521.6	521.8	522.2
5°	509.7	509.4	509.7	509.7	510.8	511.8	511.5	512.3	512.8	514.1	514.6
7.5°	500.0	500.0	499.7	500.7	501.2	502.8	502.5	503.8	504.6	505.8	507.6
10°	489.9	489.9	490.2	491.0	491.3	493.5	493.5	495.3	496.4	497.7	500.0
12.5°	480.2	480.2	481.7	481.3	482.3	484.1	484.8	486.6	488.1	490.7	493.0
15°	470.9	470.9	471.5	472.7	473.5	475.9	477.1	479.1	480.9	483.5	486.9
17.5°	463.0	462.7	463.0	464.5	466.1	468.1	469.1	471.7	473.5	476.9	479.9
20°	455.1	455.5	455.5	456.9	457.9	460.5	461.5	464.3	466.3	469.5	473.1
22.5°	448.1	447.9	447.9	449.7	450.4	452.7	453.7	456.3	458.7	461.2	464.5
25°	441.2	440.7	441.7	441.9	442.5	445.0	445.8	447.6	449.9	452.2	455.5
27.5°	430.9	430.4	430.6	431.7	432.4	434.5	435.0	436.8	438.6	440.7	443.5
30°	411.2	410.6	410.4	412.2	413.0	414.4	415.2	418.4	418.8	421.2	423.2
32.5°	385.0	384.8	385.2	386.8	387.6	389.6	390.6	392.4	393.8	395.0	397.0
35°	355.7	355.2	355.7	357.3	357.3	359.1	359.8	360.6	360.3	360.6	360.1
37.5°	328.5	328.3	328.5	329.3	328.5	329.3	328.5	326.9	324.1	321.1	318.0
40°	305.4	305.7	304.1	305.2	302.3	301.8	299.0	295.2	289.5	283.4	274.6
42.5°	280.8	280.0	279.0	279.4	277.2	275.4	270.8	266.0	258.8	248.4	237.9
45°	250.5	250.2	249.8	249.4	248.0	246.2	242.3	236.6	228.7	218.1	205.5
47.5°	221.0	220.2	220.2	220.5	218.7	218.4	215.3	210.5	203.5	193.3	180.1
50°	192.7	192.5	193.0	194.1	192.7	192.3	190.2	186.9	180.7	172.0	159.6
52.5°	167.3	167.1	167.6	168.9	168.4	168.9	166.8	164.2	160.2	151.6	140.8
55°	142.4	142.4	142.4	144.0	144.0	144.0	143.0	141.4	137.6	131.4	121.4
57.5°	116.6	116.8	118.4	118.6	118.4	118.8	118.6	117.0	114.5	110.1	102.4
60°	94.7	94.7	95.5	96.3	96.0	96.3	96.3	95.5	92.9	89.3	83.1
62.5°	74.9	75.7	75.1	75.7	76.7	75.7	75.1	74.7	72.9	70.5	65.5
65°	56.7	57.3	57.3	57.5	56.9	57.3	56.2	55.5	54.4	51.9	48.5
67.5°	43.1	43.1	43.1	43.1	42.9	42.6	42.3	41.6	39.8	38.8	35.2
70°	33.1	31.6	31.6	31.6	31.6	31.8	31.0	30.0	29.5	27.7	25.2
72.5°	22.0	22.6	22.0	22.0	21.6	21.8	20.8	20.2	19.8	18.8	17.2
75°	15.9	14.6	15.2	15.4	14.6	15.2	14.1	13.0	13.0	12.3	11.6
77.5°	10.2	10.0	10.2	10.6	10.2	10.0	9.5	9.0	9.0	8.8	8.0
80°	7.4	7.2	7.2	7.2	7.0	7.2	6.6	6.6	6.2	5.9	5.4
82.5°	4.8	4.8	4.6	4.8	4.6	4.8	4.2	4.2	4.2	3.8	3.4
85°	3.4	2.8	2.8	3.0	2.6	3.0	2.8	2.6	2.4	2.4	2.0
87.5°	1.6	1.8	1.6	1.8	1.6	1.6	1.8	1.6	1.6	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°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	523.0	523.4	523.4	524.4	524.8	525.2	525.2	527.2	526.4	526.9	527.4
5°	515.6	517.2	517.6	517.6	520.5	521.6	522.6	524.8	525.2	526.6	528.4
7.5°	508.4	510.2	511.2	513.6	515.4	517.2	520.2	521.8	523.4	525.4	527.6
10°	501.5	503.6	505.6	507.4	510.2	512.6	514.6	518.2	520.0	522.8	525.8
12.5°	494.8	497.7	499.4	502.5	505.6	507.6	510.8	514.1	516.9	519.8	523.4
15°	488.9	492.3	494.3	497.7	501.0	503.8	507.2	511.2	513.3	516.6	520.0
17.5°	482.5	486.1	488.7	491.7	495.9	498.9	501.8	505.8	508.4	512.0	515.8
20°	475.9	479.5	482.5	485.6	489.7	492.8	496.1	500.2	503.0	506.6	509.7
22.5°	467.9	471.3	474.5	478.1	482.3	484.8	488.7	492.3	495.3	498.7	501.8
25°	457.6	461.7	464.3	467.7	470.9	473.7	477.9	481.5	484.1	487.1	489.9
27.5°	445.5	448.6	450.7	453.5	456.9	459.4	462.5	466.1	468.7	471.5	473.5
30°	425.0	427.8	429.6	431.7	435.0	437.3	439.9	443.2	445.0	447.1	448.9
32.5°	398.0	400.4	401.4	403.0	405.2	407.6	409.6	412.4	413.2	414.4	414.4
35°	359.1	359.6	359.3	359.8	360.9	362.1	363.9	365.7	366.8	366.8	366.0
37.5°	313.3	310.3	306.9	304.4	303.6	303.1	304.1	304.9	305.9	306.4	305.2
40°	266.0	259.0	251.6	244.8	240.2	238.2	237.4	237.9	237.9	239.7	239.7
42.5°	225.1	214.3	203.3	193.3	186.5	181.5	179.1	179.1	179.4	180.7	181.5
45°	191.2	177.6	164.8	153.8	144.5	137.8	134.8	134.0	133.8	134.2	136.0
47.5°	165.3	151.2	137.8	124.2	114.5	107.8	105.0	104.0	102.9	104.0	104.2
50°	145.0	130.4	116.2	102.7	92.4	86.5	82.9	81.3	81.1	81.1	81.6
52.5°	126.6	113.0	98.8	84.9	74.1	68.5	65.1	64.5	63.4	64.5	64.5
55°	109.1	95.5	81.6	68.5	59.5	53.7	50.5	49.5	49.1	49.8	49.8
57.5°	90.1	78.5	65.7	53.9	44.9	40.8	38.5	37.2	36.9	37.5	36.9
60°	73.9	64.1	53.1	42.3	35.4	31.0	29.2	28.8	28.2	28.8	28.8
62.5°	58.5	50.3	41.3	33.1	27.2	24.1	22.0	22.0	21.8	21.8	22.0
65°	43.4	36.9	30.5	23.6	19.0	16.7	15.2	15.2	14.8	15.2	14.8
67.5°	31.6	27.2	22.0	17.2	13.6	12.3	11.2	10.6	11.0	10.6	10.2
70°	23.1	19.5	15.9	13.0	10.6	9.2	8.4	8.2	7.6	7.6	7.6
72.5°	15.4	13.0	10.8	8.4	7.0	5.6	5.4	4.8	4.4	4.6	5.2
75°	10.2	8.8	7.6	6.2	4.6	4.6	3.0	3.0	2.6	3.0	2.4
77.5°	7.2	5.9	4.6	3.8	3.0	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.2	4.4	3.4	2.8	2.0	2.0	1.8	1.6	1.2	1.2	1.6
82.5°	3.0	2.4	2.4	2.0	1.2	1.0	0.8	1.0	0.6	0.6	0.6
85°	1.8	1.6	1.2	0.8	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	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°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	528.8	528.4	529.0	529.0	530.6	530.2	531.0	531.0	530.6	530.8	531.8
5°	530.6	531.2	532.8	534.0	536.4	537.4	538.8	540.0	540.2	541.0	541.8
7.5°	530.6	533.0	534.8	537.2	540.2	542.0	544.8	547.2	548.2	549.4	551.0
10°	529.4	532.0	535.4	538.0	541.8	544.6	547.4	551.0	552.6	554.6	556.6
12.5°	527.4	530.2	533.8	537.2	541.6	544.1	547.6	551.0	553.4	556.2	558.4
15°	524.4	527.6	531.0	534.4	539.0	542.0	545.4	549.2	551.6	554.6	556.6
17.5°	519.4	523.0	526.2	529.2	533.6	537.2	540.2	543.8	546.2	548.8	551.6
20°	513.6	516.9	520.2	522.8	527.2	530.2	533.6	537.0	538.8	539.2	543.6
22.5°	506.1	508.4	511.0	515.1	517.6	520.5	523.6	526.6	528.4	531.2	532.8
25°	493.8	496.1	498.9	500.7	503.8	506.1	509.2	512.6	513.6	515.6	517.2
27.5°	476.6	477.9	479.1	480.7	482.5	483.8	485.6	487.1	488.1	489.2	490.2
30°	449.4	449.4	449.4	448.3	449.1	449.9	450.1	449.9	449.9	449.7	449.7
32.5°	413.4	411.4	409.0	407.0	406.2	405.2	404.8	404.0	402.6	402.0	402.2
35°	365.0	360.3	357.5	354.9	352.9	351.3	350.6	349.8	349.5	348.5	347.5
37.5°	304.4	301.0	299.0	297.4	295.7	294.1	294.4	294.6	295.4	294.9	295.2
40°	240.2	239.4	240.2	238.4	237.9	238.4	239.7	241.5	242.6	243.6	245.4
42.5°	182.7	184.0	185.8	185.8	186.5	187.6	189.1	191.9	193.5	195.3	197.3
45°	137.6	139.0	141.4	142.2	142.6	144.0	145.8	148.0	149.1	150.6	152.4
47.5°	106.0	107.0	108.3	109.6	110.8	111.4	113.2	113.2	114.5	115.5	116.0
50°	82.7	83.7	84.7	85.5	86.0	86.7	87.3	88.0	88.3	88.8	89.1
52.5°	64.7	65.9	65.9	66.5	67.3	68.1	67.7	68.1	68.3	68.3	69.1
55°	50.5	50.5	51.3	51.3	51.9	51.6	51.9	51.9	51.9	51.9	52.1
57.5°	37.7	38.0	38.8	38.2	38.0	38.5	38.0	38.5	38.2	38.8	38.0
60°	29.0	29.0	29.2	29.2	29.5	29.5	29.5	29.2	29.2	29.0	29.0
62.5°	21.8	22.0	22.4	22.0	22.0	22.0	21.8	21.8	21.6	21.3	21.3
65°	14.6	14.4	14.8	14.4	14.6	14.6	14.4	14.6	13.8	14.1	13.8
67.5°	10.6	10.2	10.0	10.2	10.0	9.8	9.8	10.0	10.2	9.5	9.5
70°	7.0	7.2	7.0	7.2	7.4	7.4	7.2	7.0	7.2	6.6	7.0
72.5°	4.4	4.4	4.4	4.4	4.4	4.6	4.6	4.6	4.2	4.2	3.8
75°	2.0	2.8	2.4	2.0	2.8	2.8	2.6	2.6	2.4	2.4	2.4
77.5°	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.2	1.6	1.2
80°	1.0	1.0	1.0	0.8	1.0	1.0	1.2	1.0	1.0	0.8	1.2
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°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	531.6	531.2	531.6	531.8	531.6	531.2	531.6	531.8	530.8	530.6	531.0
5°	542.8	542.8	543.4	543.6	543.4	542.8	542.8	541.8	541.0	540.2	540.0
7.5°	552.6	553.1	553.6	553.8	553.6	553.1	552.6	551.0	549.4	548.2	547.2
10°	558.4	559.2	560.2	560.8	560.2	559.2	558.4	556.6	554.6	552.6	551.0
12.5°	561.0	561.8	563.1	562.8	563.1	561.8	561.0	558.4	556.2	553.4	551.0
15°	559.2	560.2	561.6	562.1	561.6	560.2	559.2	556.6	554.6	551.6	549.2
17.5°	553.6	555.2	555.9	556.6	555.9	555.2	553.6	551.6	548.8	546.2	543.8
20°	545.8	547.0	548.0	548.2	548.0	547.0	545.8	543.6	539.2	538.8	537.0
22.5°	534.8	535.6	538.0	537.2	538.0	535.6	534.8	532.8	531.2	528.4	526.6
25°	519.0	519.8	520.0	520.2	520.0	519.8	519.0	517.2	515.6	513.6	512.6
27.5°	491.5	491.5	492.0	492.3	492.0	491.5	491.5	490.2	489.2	488.1	487.1
30°	449.9	449.9	449.9	451.2	449.9	449.9	449.9	449.7	449.7	449.9	449.9
32.5°	402.0	401.4	400.8	401.4	400.8	401.4	402.0	402.2	402.0	402.6	404.0
35°	347.5	347.3	348.0	347.0	348.0	347.3	347.5	347.5	348.5	349.5	349.8
37.5°	295.4	294.9	295.9	294.9	295.9	294.9	295.4	295.2	294.9	295.4	294.6
40°	245.9	246.4	246.4	248.4	246.4	246.4	245.9	245.4	243.6	242.6	241.5
42.5°	198.3	199.9	199.5	200.9	199.5	199.9	198.3	197.3	195.3	193.5	191.9
45°	153.5	154.5	154.5	155.0	154.5	154.5	153.5	152.4	150.6	149.1	148.0
47.5°	117.8	117.8	117.8	118.0	117.8	117.8	117.8	116.0	115.5	114.5	113.2
50°	89.6	89.8	90.1	90.3	90.1	89.8	89.6	89.1	88.8	88.3	88.0
52.5°	68.7	69.1	68.5	69.1	68.5	69.1	68.7	69.1	68.3	68.3	68.1
55°	52.1	51.9	52.1	52.3	52.1	51.9	52.1	52.1	51.9	51.9	51.9
57.5°	38.2	37.7	37.7	37.7	37.7	37.7	38.2	38.0	38.8	38.2	38.5
60°	28.5	28.8	28.8	29.0	28.8	28.8	28.5	29.0	29.0	29.2	29.2
62.5°	21.0	21.8	21.3	21.8	21.3	21.8	21.0	21.3	21.3	21.6	21.8
65°	13.6	13.6	13.6	13.8	13.6	13.6	13.6	13.8	14.1	13.8	14.6
67.5°	9.2	9.5	10.0	9.8	10.0	9.5	9.2	9.5	9.5	10.2	10.0
70°	7.4	6.6	6.6	7.4	6.6	6.6	7.4	7.0	6.6	7.2	7.0
72.5°	4.4	3.8	4.4	4.4	4.4	3.8	4.4	3.8	4.2	4.2	4.6
75°	2.4	2.0	1.8	2.6	1.8	2.0	2.4	2.4	2.4	2.4	2.6
77.5°	1.6	1.2	1.8	1.8	1.8	1.2	1.6	1.2	1.6	1.2	1.6
80°	0.8	1.0	0.8	1.2	0.8	1.0	0.8	1.2	0.8	1.0	1.0
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



TEST NUMBER: P245010

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	531.0	530.2	530.6	529.0	529.0	528.4	528.8	527.4	526.9	526.4	527.2
5°	538.8	537.4	536.4	534.0	532.8	531.2	530.6	528.4	526.6	525.2	524.8
7.5°	544.8	542.0	540.2	537.2	534.8	533.0	530.6	527.6	525.4	523.4	521.8
10°	547.4	544.6	541.8	538.0	535.4	532.0	529.4	525.8	522.8	520.0	518.2
12.5°	547.6	544.1	541.6	537.2	533.8	530.2	527.4	523.4	519.8	516.9	514.1
15°	545.4	542.0	539.0	534.4	531.0	527.6	524.4	520.0	516.6	513.3	511.2
17.5°	540.2	537.2	533.6	529.2	526.2	523.0	519.4	515.8	512.0	508.4	505.8
20°	533.6	530.2	527.2	522.8	520.2	516.9	513.6	509.7	506.6	503.0	500.2
22.5°	523.6	520.5	517.6	515.1	511.0	508.4	506.1	501.8	498.7	495.3	492.3
25°	509.2	506.1	503.8	500.7	498.9	496.1	493.8	489.9	487.1	484.1	481.5
27.5°	485.6	483.8	482.5	480.7	479.1	477.9	476.6	473.5	471.5	468.7	466.1
30°	450.1	449.9	449.1	448.3	449.4	449.4	449.4	448.9	447.1	445.0	443.2
32.5°	404.8	405.2	406.2	407.0	409.0	411.4	413.4	414.4	414.4	413.2	412.4
35°	350.6	351.3	352.9	354.9	357.5	360.3	365.0	366.0	366.8	366.8	365.7
37.5°	294.4	294.1	295.7	297.4	299.0	301.0	304.4	305.2	306.4	305.9	304.9
40°	239.7	238.4	237.9	238.4	240.2	239.4	240.2	239.7	239.7	237.9	237.9
42.5°	189.1	187.6	186.5	185.8	185.8	184.0	182.7	181.5	180.7	179.4	179.1
45°	145.8	144.0	142.6	142.2	141.4	139.0	137.6	136.0	134.2	133.8	134.0
47.5°	113.2	111.4	110.8	109.6	108.3	107.0	106.0	104.2	104.0	102.9	104.0
50°	87.3	86.7	86.0	85.5	84.7	83.7	82.7	81.6	81.1	81.1	81.3
52.5°	67.7	68.1	67.3	66.5	65.9	65.9	64.7	64.5	64.5	63.4	64.5
55°	51.9	51.6	51.9	51.3	51.3	50.5	50.5	49.8	49.8	49.1	49.5
57.5°	38.0	38.5	38.0	38.2	38.8	38.0	37.7	36.9	37.5	36.9	37.2
60°	29.5	29.5	29.5	29.2	29.2	29.0	29.0	28.8	28.8	28.2	28.8
62.5°	21.8	22.0	22.0	22.0	22.4	22.0	21.8	22.0	21.8	21.8	22.0
65°	14.4	14.6	14.6	14.4	14.8	14.4	14.6	14.8	15.2	14.8	15.2
67.5°	9.8	9.8	10.0	10.2	10.0	10.2	10.6	10.2	10.6	11.0	10.6
70°	7.2	7.4	7.4	7.2	7.0	7.2	7.0	7.6	7.6	7.6	8.2
72.5°	4.6	4.6	4.4	4.4	4.4	4.4	4.4	5.2	4.6	4.4	4.8
75°	2.6	2.8	2.8	2.0	2.4	2.8	2.0	2.4	3.0	2.6	3.0
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	1.8	1.8	1.8	2.0
80°	1.2	1.0	1.0	0.8	1.0	1.0	1.0	1.6	1.2	1.2	1.6
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	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	0.6	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: P245010

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	525.2	525.2	524.8	524.4	523.4	523.4	523.0	522.2	521.8	521.6	521.6
5°	522.6	521.6	520.5	517.6	517.6	517.2	515.6	514.6	514.1	512.8	512.3
7.5°	520.2	517.2	515.4	513.6	511.2	510.2	508.4	507.6	505.8	504.6	503.8
10°	514.6	512.6	510.2	507.4	505.6	503.6	501.5	500.0	497.7	496.4	495.3
12.5°	510.8	507.6	505.6	502.5	499.4	497.7	494.8	493.0	490.7	488.1	486.6
15°	507.2	503.8	501.0	497.7	494.3	492.3	488.9	486.9	483.5	480.9	479.1
17.5°	501.8	498.9	495.9	491.7	488.7	486.1	482.5	479.9	476.9	473.5	471.7
20°	496.1	492.8	489.7	485.6	482.5	479.5	475.9	473.1	469.5	466.3	464.3
22.5°	488.7	484.8	482.3	478.1	474.5	471.3	467.9	464.5	461.2	458.7	456.3
25°	477.9	473.7	470.9	467.7	464.3	461.7	457.6	455.5	452.2	449.9	447.6
27.5°	462.5	459.4	456.9	453.5	450.7	448.6	445.5	443.5	440.7	438.6	436.8
30°	439.9	437.3	435.0	431.7	429.6	427.8	425.0	423.2	421.2	418.8	418.4
32.5°	409.6	407.6	405.2	403.0	401.4	400.4	398.0	397.0	395.0	393.8	392.4
35°	363.9	362.1	360.9	359.8	359.3	359.6	359.1	360.1	360.6	360.3	360.6
37.5°	304.1	303.1	303.6	304.4	306.9	310.3	313.3	318.0	321.1	324.1	326.9
40°	237.4	238.2	240.2	244.8	251.6	259.0	266.0	274.6	283.4	289.5	295.2
42.5°	179.1	181.5	186.5	193.3	203.3	214.3	225.1	237.9	248.4	258.8	266.0
45°	134.8	137.8	144.5	153.8	164.8	177.6	191.2	205.5	218.1	228.7	236.6
47.5°	105.0	107.8	114.5	124.2	137.8	151.2	165.3	180.1	193.3	203.5	210.5
50°	82.9	86.5	92.4	102.7	116.2	130.4	145.0	159.6	172.0	180.7	186.9
52.5°	65.1	68.5	74.1	84.9	98.8	113.0	126.6	140.8	151.6	160.2	164.2
55°	50.5	53.7	59.5	68.5	81.6	95.5	109.1	121.4	131.4	137.6	141.4
57.5°	38.5	40.8	44.9	53.9	65.7	78.5	90.1	102.4	110.1	114.5	117.0
60°	29.2	31.0	35.4	42.3	53.1	64.1	73.9	83.1	89.3	92.9	95.5
62.5°	22.0	24.1	27.2	33.1	41.3	50.3	58.5	65.5	70.5	72.9	74.7
65°	15.2	16.7	19.0	23.6	30.5	36.9	43.4	48.5	51.9	54.4	55.5
67.5°	11.2	12.3	13.6	17.2	22.0	27.2	31.6	35.2	38.8	39.8	41.6
70°	8.4	9.2	10.6	13.0	15.9	19.5	23.1	25.2	27.7	29.5	30.0
72.5°	5.4	5.6	7.0	8.4	10.8	13.0	15.4	17.2	18.8	19.8	20.2
75°	3.0	4.6	4.6	6.2	7.6	8.8	10.2	11.6	12.3	13.0	13.0
77.5°	2.0	2.8	3.0	3.8	4.6	5.9	7.2	8.0	8.8	9.0	9.0
80°	1.8	2.0	2.0	2.8	3.4	4.4	5.2	5.4	5.9	6.2	6.6
82.5°	0.8	1.0	1.2	2.0	2.4	2.4	3.0	3.4	3.8	4.2	4.2
85°	0.2	0.6	0.6	0.8	1.2	1.6	1.8	2.0	2.4	2.4	2.6
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.0	1.0	1.0	1.6	1.6
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: P245010

CATALOG NUMBER: LSR8B10D010 EC8B10927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	525.6	525.6	525.6	525.6	525.6	525.6	525.6
2.5°	521.0	521.2	520.2	520.0	519.4	519.8	520.2
5°	511.5	511.8	510.8	509.7	509.7	509.4	509.7
7.5°	502.5	502.8	501.2	500.7	499.7	500.0	500.0
10°	493.5	493.5	491.3	491.0	490.2	489.9	489.9
12.5°	484.8	484.1	482.3	481.3	481.7	480.2	480.2
15°	477.1	475.9	473.5	472.7	471.5	470.9	470.9
17.5°	469.1	468.1	466.1	464.5	463.0	462.7	463.0
20°	461.5	460.5	457.9	456.9	455.5	455.5	455.1
22.5°	453.7	452.7	450.4	449.7	447.9	447.9	448.1
25°	445.8	445.0	442.5	441.9	441.7	440.7	441.2
27.5°	435.0	434.5	432.4	431.7	430.6	430.4	430.9
30°	415.2	414.4	413.0	412.2	410.4	410.6	411.2
32.5°	390.6	389.6	387.6	386.8	385.2	384.8	385.0
35°	359.8	359.1	357.3	357.3	355.7	355.2	355.7
37.5°	328.5	329.3	328.5	329.3	328.5	328.3	328.5
40°	299.0	301.8	302.3	305.2	304.1	305.7	305.4
42.5°	270.8	275.4	277.2	279.4	279.0	280.0	280.8
45°	242.3	246.2	248.0	249.4	249.8	250.2	250.5
47.5°	215.3	218.4	218.7	220.5	220.2	220.2	221.0
50°	190.2	192.3	192.7	194.1	193.0	192.5	192.7
52.5°	166.8	168.9	168.4	168.9	167.6	167.1	167.3
55°	143.0	144.0	144.0	144.0	142.4	142.4	142.4
57.5°	118.6	118.8	118.4	118.6	118.4	116.8	116.6
60°	96.3	96.3	96.0	96.3	95.5	94.7	94.7
62.5°	75.1	75.7	76.7	75.7	75.1	75.7	74.9
65°	56.2	57.3	56.9	57.5	57.3	57.3	56.7
67.5°	42.3	42.6	42.9	43.1	43.1	43.1	43.1
70°	31.0	31.8	31.6	31.6	31.6	31.6	33.1
72.5°	20.8	21.8	21.6	22.0	22.0	22.6	22.0
75°	14.1	15.2	14.6	15.4	15.2	14.6	15.9
77.5°	9.5	10.0	10.2	10.6	10.2	10.0	10.2
80°	6.6	7.2	7.0	7.2	7.2	7.2	7.4
82.5°	4.2	4.8	4.6	4.8	4.6	4.8	4.8
85°	2.8	3.0	2.6	3.0	2.8	2.8	3.4
87.5°	1.8	1.6	1.6	1.8	1.6	1.8	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)