

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: P246018

Luminaire Tested: **LD8B10D010 ER8B10927 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246018
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: LD8B10D010 ER8B10927 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 883.1 lumens
Efficiency: N/A
Efficacy: 86.6 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

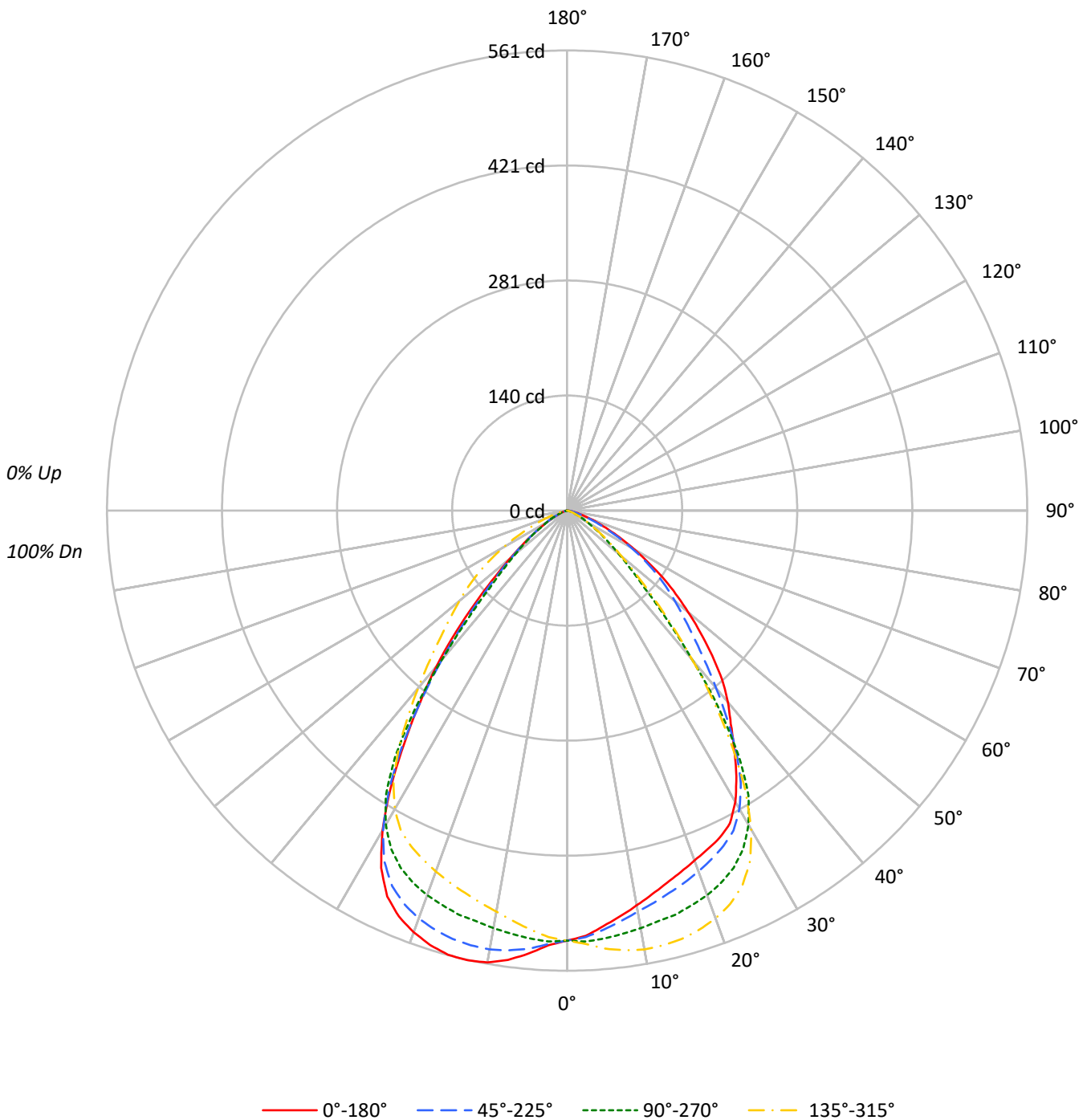
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16164	16164	16164	16164
5°	15737	16204	16783	16204
10°	15302	16182	17516	16182
15°	14998	16281	17897	16281
20°	14895	16372	17947	16372
25°	14974	16342	17659	16342
30°	14602	15742	16023	15742
35°	13356	13733	13032	13733
40°	12265	9552	9975	9552
45°	10898	5826	6742	5826
50°	9225	3891	4322	3891
55°	7640	2656	2806	2656
60°	5828	1770	1782	1770
65°	4130	1102	1007	1102
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°	49.9	5.7
10°-20°	144.5	16.4
20°-30°	218.8	24.8
30°-40°	219.3	24.8
40°-50°	137.7	15.6
50°-60°	73.4	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°	413.2	46.8
0°-40°	632.5	71.6
0°-60°	843.6	95.5
0°-90°	883.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	524	524	524	524	524	
5°	508	524	542	524	508	48
15°	470	510	561	510	470	133
25°	440	480	519	480	440	202
35°	355	365	346	365	355	222
45°	250	134	155	134	250	192
55°	142	49	52	49	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°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	519.0	518.4	518.2	518.6	519.0	520.0	519.6	520.2	520.2	520.4	521.0
5°	508.4	508.2	508.4	508.4	509.4	510.4	510.2	511.0	511.4	512.8	513.2
7.5°	498.7	498.7	498.4	499.5	500.0	501.5	501.2	502.5	503.3	504.6	506.4
10°	488.7	488.7	488.9	489.7	489.9	492.3	492.3	494.1	495.1	496.4	498.7
12.5°	479.0	479.0	480.5	480.0	481.0	482.8	483.5	485.3	486.9	489.5	491.7
15°	469.8	469.8	470.2	471.6	472.3	474.6	475.9	477.9	479.7	482.3	485.7
17.5°	461.8	461.6	461.8	463.4	464.8	467.0	468.0	470.5	472.3	475.6	478.7
20°	453.9	454.4	454.4	455.6	456.8	459.2	460.2	463.0	465.2	468.2	471.8
22.5°	447.0	446.7	446.7	448.5	449.3	451.6	452.6	455.2	457.4	460.0	463.4
25°	440.1	439.5	440.6	440.8	441.3	443.9	444.7	446.5	448.8	451.1	454.4
27.5°	429.9	429.3	429.5	430.5	431.3	433.4	433.9	435.7	437.5	439.5	442.4
30°	410.1	409.6	409.4	411.2	411.9	413.4	414.2	417.3	417.8	420.1	422.1
32.5°	384.0	383.7	384.3	385.8	386.6	388.6	389.6	391.4	392.7	394.0	396.0
35°	354.8	354.3	354.8	356.4	356.4	358.2	358.9	359.7	359.4	359.7	359.2
37.5°	327.7	327.4	327.7	328.4	327.7	328.4	327.7	326.1	323.3	320.3	317.1
40°	304.7	304.9	303.4	304.4	301.6	301.0	298.2	294.4	288.8	282.6	273.9
42.5°	280.0	279.3	278.3	278.8	276.5	274.7	270.1	265.2	258.1	247.8	237.3
45°	249.9	249.6	249.1	248.8	247.3	245.5	241.6	236.0	228.2	217.6	205.1
47.5°	220.4	219.6	219.6	219.9	218.1	217.8	214.8	209.9	203.1	192.7	179.7
50°	192.3	192.0	192.5	193.5	192.3	191.7	189.7	186.4	180.2	171.6	159.2
52.5°	167.0	166.6	167.2	168.4	168.0	168.4	166.4	163.8	159.8	151.3	140.5
55°	142.1	142.1	142.1	143.7	143.7	143.7	142.5	141.1	137.2	131.1	121.0
57.5°	116.2	116.4	118.0	118.2	118.0	118.6	118.2	116.8	114.2	109.8	102.1
60°	94.5	94.5	95.3	96.0	95.7	96.0	96.0	95.3	92.7	89.1	82.9
62.5°	74.7	75.5	75.0	75.5	76.5	75.5	75.0	74.5	72.7	70.4	65.2
65°	56.6	57.0	57.0	57.4	56.8	57.0	56.0	55.4	54.2	51.8	48.4
67.5°	43.0	43.0	43.0	43.0	42.8	42.5	42.2	41.5	39.7	38.7	35.1
70°	33.1	31.5	31.5	31.5	31.5	31.7	30.9	29.9	29.5	27.7	25.1
72.5°	22.0	22.5	22.0	22.0	21.5	21.7	20.7	20.2	19.7	18.7	17.1
75°	15.9	14.6	15.1	15.4	14.6	15.1	14.1	13.0	13.0	12.3	11.5
77.5°	10.2	10.0	10.2	10.5	10.2	10.0	9.5	9.0	9.0	8.7	8.0
80°	7.4	7.2	7.2	7.2	6.9	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	4.0	4.0	4.0	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°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	521.8	522.0	522.0	523.0	523.5	523.8	523.8	525.8	525.0	525.6	526.1
5°	514.4	515.8	516.4	516.4	519.2	520.2	521.2	523.5	523.8	525.3	527.1
7.5°	507.2	509.0	510.0	512.2	514.0	515.8	519.0	520.4	522.0	524.0	526.3
10°	500.2	502.3	504.3	506.1	509.0	511.2	513.2	516.8	518.6	521.4	524.6
12.5°	493.5	496.4	498.2	501.2	504.3	506.4	509.4	512.8	515.6	518.4	522.0
15°	487.7	491.1	493.1	496.4	499.7	502.5	505.8	510.0	512.0	515.4	518.6
17.5°	481.3	484.9	487.5	490.5	494.6	497.7	500.5	504.6	507.2	510.8	514.6
20°	474.6	478.2	481.3	484.3	488.5	491.5	494.9	498.9	501.8	505.4	508.4
22.5°	466.6	470.0	473.3	476.9	481.0	483.5	487.5	491.1	494.1	497.4	500.5
25°	456.4	460.6	463.0	466.4	469.8	472.6	476.7	480.3	482.8	485.9	488.7
27.5°	444.4	447.5	449.6	452.4	455.6	458.2	461.2	464.8	467.4	470.2	472.3
30°	423.9	426.7	428.5	430.5	433.9	436.3	438.8	442.1	443.9	446.0	447.8
32.5°	397.0	399.4	400.4	402.0	404.2	406.6	408.6	411.4	412.2	413.4	413.4
35°	358.2	358.7	358.4	358.9	359.9	361.2	363.0	364.8	365.8	365.8	365.1
37.5°	312.5	309.5	306.2	303.6	302.8	302.3	303.4	304.1	305.1	305.7	304.4
40°	265.2	258.3	250.9	244.2	239.6	237.6	236.8	237.3	237.3	239.1	239.1
42.5°	224.6	213.8	202.7	192.7	186.1	181.0	178.6	178.6	179.0	180.2	181.0
45°	190.7	177.2	164.4	153.3	144.1	137.5	134.4	133.6	133.4	133.9	135.7
47.5°	164.8	150.8	137.5	123.9	114.2	107.6	104.7	103.7	102.6	103.7	104.0
50°	144.7	130.0	116.0	102.4	92.1	86.3	82.7	81.1	80.9	80.9	81.4
52.5°	126.2	112.6	98.6	84.7	74.0	68.4	65.0	64.2	63.2	64.2	64.2
55°	108.8	95.3	81.4	68.4	59.4	53.6	50.4	49.4	48.9	49.6	49.6
57.5°	89.9	78.3	65.6	53.8	44.8	40.7	38.4	37.1	36.9	37.4	36.9
60°	73.7	64.0	53.0	42.2	35.3	30.9	29.1	28.7	28.1	28.7	28.7
62.5°	58.4	50.2	41.2	33.1	27.1	24.1	22.0	22.0	21.7	21.7	22.0
65°	43.3	36.9	30.5	23.5	18.9	16.7	15.1	15.1	14.8	15.1	14.8
67.5°	31.5	27.1	22.0	17.1	13.6	12.3	11.2	10.5	11.0	10.5	10.2
70°	23.1	19.5	15.9	13.0	10.5	9.2	8.4	8.2	7.6	7.6	7.6
72.5°	15.4	13.0	10.8	8.4	6.9	5.6	5.4	4.8	4.4	4.6	5.2
75°	10.2	8.7	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°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	527.4	527.1	527.6	527.6	529.2	528.9	529.6	529.6	529.2	529.4	530.4
5°	529.2	529.9	531.4	532.7	535.1	536.1	537.3	538.6	538.9	539.7	540.4
7.5°	529.2	531.7	533.5	535.8	538.9	540.7	543.5	545.7	546.9	548.1	549.7
10°	528.1	530.7	534.0	536.6	540.4	543.3	546.1	549.7	551.1	553.2	555.3
12.5°	526.1	528.9	532.5	535.8	540.1	542.7	546.3	549.7	551.9	554.7	557.1
15°	523.0	526.3	529.6	533.0	537.6	540.7	544.1	547.9	550.1	553.2	555.3
17.5°	518.2	521.8	524.8	527.8	532.2	535.8	538.9	542.5	544.7	547.3	550.1
20°	512.2	515.6	519.0	521.4	525.8	528.9	532.2	535.5	537.3	537.9	542.2
22.5°	504.8	507.2	509.7	513.8	516.4	519.2	522.2	525.3	527.1	529.9	531.4
25°	492.5	494.9	497.7	499.5	502.5	504.8	507.9	511.2	512.2	514.4	515.8
27.5°	475.4	476.7	477.9	479.5	481.3	482.5	484.3	485.9	486.9	487.9	488.9
30°	448.2	448.2	448.2	447.2	448.0	448.8	449.0	448.8	448.8	448.5	448.5
32.5°	412.4	410.4	408.0	406.0	405.2	404.2	403.8	403.0	401.6	401.0	401.2
35°	364.0	359.4	356.6	354.0	352.0	350.4	349.7	349.0	348.6	347.6	346.6
37.5°	303.6	300.3	298.2	296.7	294.9	293.4	293.6	293.8	294.6	294.2	294.4
40°	239.6	238.8	239.6	237.8	237.3	237.8	239.1	240.9	241.9	242.9	244.7
42.5°	182.2	183.6	185.4	185.4	186.1	187.1	188.7	191.5	193.0	194.8	196.9
45°	137.2	138.7	141.1	141.9	142.3	143.7	145.5	147.7	148.7	150.3	152.1
47.5°	105.8	106.8	108.0	109.4	110.6	111.2	113.0	113.0	114.2	115.2	115.8
50°	82.5	83.5	84.5	85.3	85.7	86.5	87.1	87.8	88.1	88.5	88.9
52.5°	64.5	65.8	65.8	66.3	67.0	67.8	67.6	67.8	68.1	68.1	68.9
55°	50.4	50.4	51.2	51.2	51.8	51.4	51.8	51.8	51.8	51.8	52.0
57.5°	37.6	37.9	38.7	38.1	37.9	38.4	37.9	38.4	38.1	38.7	37.9
60°	28.9	28.9	29.1	29.1	29.5	29.5	29.5	29.1	29.1	28.9	28.9
62.5°	21.7	22.0	22.3	22.0	22.0	22.0	21.7	21.7	21.5	21.3	21.3
65°	14.6	14.3	14.8	14.3	14.6	14.6	14.3	14.6	13.8	14.1	13.8
67.5°	10.5	10.2	10.0	10.2	10.0	9.7	9.7	10.0	10.2	9.5	9.5
70°	6.9	7.2	6.9	7.2	7.4	7.4	7.2	6.9	7.2	6.6	6.9
72.5°	4.4	4.4	4.4	4.4	4.4	4.6	4.6	4.6	4.0	4.0	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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CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	530.2	529.9	530.2	530.4	530.2	529.9	530.2	530.4	529.4	529.2	529.6
5°	541.5	541.5	541.9	542.2	541.9	541.5	541.5	540.4	539.7	538.9	538.6
7.5°	551.1	551.7	552.2	552.5	552.2	551.7	551.1	549.7	548.1	546.9	545.7
10°	557.1	557.8	558.9	559.4	558.9	557.8	557.1	555.3	553.2	551.1	549.7
12.5°	559.6	560.4	561.7	561.4	561.7	560.4	559.6	557.1	554.7	551.9	549.7
15°	557.8	558.9	560.1	560.6	560.1	558.9	557.8	555.3	553.2	550.1	547.9
17.5°	552.2	553.7	554.5	555.3	554.5	553.7	552.2	550.1	547.3	544.7	542.5
20°	544.5	545.5	546.5	546.9	546.5	545.5	544.5	542.2	537.9	537.3	535.5
22.5°	533.5	534.3	536.6	535.8	536.6	534.3	533.5	531.4	529.9	527.1	525.3
25°	517.6	518.4	518.6	519.0	518.6	518.4	517.6	515.8	514.4	512.2	511.2
27.5°	490.3	490.3	490.7	491.1	490.7	490.3	490.3	488.9	487.9	486.9	485.9
30°	448.8	448.8	448.8	450.0	448.8	448.8	448.8	448.5	448.5	448.8	448.8
32.5°	401.0	400.4	399.8	400.4	399.8	400.4	401.0	401.2	401.0	401.6	403.0
35°	346.6	346.4	347.2	346.2	347.2	346.4	346.6	346.6	347.6	348.6	349.0
37.5°	294.6	294.2	295.2	294.2	295.2	294.2	294.6	294.6	294.2	294.6	293.8
40°	245.2	245.8	245.8	247.8	245.8	245.8	245.2	244.7	242.9	241.9	240.9
42.5°	197.9	199.5	198.9	200.5	198.9	199.5	197.9	196.9	194.8	193.0	191.5
45°	153.1	154.1	154.1	154.6	154.1	154.1	153.1	152.1	150.3	148.7	147.7
47.5°	117.4	117.4	117.4	117.8	117.4	117.4	117.4	115.8	115.2	114.2	113.0
50°	89.3	89.6	89.9	90.1	89.9	89.6	89.3	88.9	88.5	88.1	87.8
52.5°	68.6	68.9	68.4	68.9	68.4	68.9	68.6	68.9	68.1	68.1	67.8
55°	52.0	51.8	52.0	52.2	52.0	51.8	52.0	52.0	51.8	51.8	51.8
57.5°	38.1	37.6	37.6	37.6	37.6	37.6	38.1	37.9	38.7	38.1	38.4
60°	28.5	28.7	28.7	28.9	28.7	28.7	28.5	28.9	28.9	29.1	29.1
62.5°	21.0	21.7	21.3	21.7	21.3	21.7	21.0	21.3	21.3	21.5	21.7
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	9.7	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	6.9	6.6	7.2	6.9
72.5°	4.4	3.8	4.4	4.4	4.4	3.8	4.4	3.8	4.0	4.0	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: P246018

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	529.6	528.9	529.2	527.6	527.6	527.1	527.4	526.1	525.6	525.0	525.8
5°	537.3	536.1	535.1	532.7	531.4	529.9	529.2	527.1	525.3	523.8	523.5
7.5°	543.5	540.7	538.9	535.8	533.5	531.7	529.2	526.3	524.0	522.0	520.4
10°	546.1	543.3	540.4	536.6	534.0	530.7	528.1	524.6	521.4	518.6	516.8
12.5°	546.3	542.7	540.1	535.8	532.5	528.9	526.1	522.0	518.4	515.6	512.8
15°	544.1	540.7	537.6	533.0	529.6	526.3	523.0	518.6	515.4	512.0	510.0
17.5°	538.9	535.8	532.2	527.8	524.8	521.8	518.2	514.6	510.8	507.2	504.6
20°	532.2	528.9	525.8	521.4	519.0	515.6	512.2	508.4	505.4	501.8	498.9
22.5°	522.2	519.2	516.4	513.8	509.7	507.2	504.8	500.5	497.4	494.1	491.1
25°	507.9	504.8	502.5	499.5	497.7	494.9	492.5	488.7	485.9	482.8	480.3
27.5°	484.3	482.5	481.3	479.5	477.9	476.7	475.4	472.3	470.2	467.4	464.8
30°	449.0	448.8	448.0	447.2	448.2	448.2	448.2	447.8	446.0	443.9	442.1
32.5°	403.8	404.2	405.2	406.0	408.0	410.4	412.4	413.4	413.4	412.2	411.4
35°	349.7	350.4	352.0	354.0	356.6	359.4	364.0	365.1	365.8	365.8	364.8
37.5°	293.6	293.4	294.9	296.7	298.2	300.3	303.6	304.4	305.7	305.1	304.1
40°	239.1	237.8	237.3	237.8	239.6	238.8	239.6	239.1	239.1	237.3	237.3
42.5°	188.7	187.1	186.1	185.4	185.4	183.6	182.2	181.0	180.2	179.0	178.6
45°	145.5	143.7	142.3	141.9	141.1	138.7	137.2	135.7	133.9	133.4	133.6
47.5°	113.0	111.2	110.6	109.4	108.0	106.8	105.8	104.0	103.7	102.6	103.7
50°	87.1	86.5	85.7	85.3	84.5	83.5	82.5	81.4	80.9	80.9	81.1
52.5°	67.6	67.8	67.0	66.3	65.8	65.8	64.5	64.2	64.2	63.2	64.2
55°	51.8	51.4	51.8	51.2	51.2	50.4	50.4	49.6	49.6	48.9	49.4
57.5°	37.9	38.4	37.9	38.1	38.7	37.9	37.6	36.9	37.4	36.9	37.1
60°	29.5	29.5	29.5	29.1	29.1	28.9	28.9	28.7	28.7	28.1	28.7
62.5°	21.7	22.0	22.0	22.0	22.3	22.0	21.7	22.0	21.7	21.7	22.0
65°	14.3	14.6	14.6	14.3	14.8	14.3	14.6	14.8	15.1	14.8	15.1
67.5°	9.7	9.7	10.0	10.2	10.0	10.2	10.5	10.2	10.5	11.0	10.5
70°	7.2	7.4	7.4	7.2	6.9	7.2	6.9	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: P246018

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	523.8	523.8	523.5	523.0	522.0	522.0	521.8	521.0	520.4	520.2	520.2
5°	521.2	520.2	519.2	516.4	516.4	515.8	514.4	513.2	512.8	511.4	511.0
7.5°	519.0	515.8	514.0	512.2	510.0	509.0	507.2	506.4	504.6	503.3	502.5
10°	513.2	511.2	509.0	506.1	504.3	502.3	500.2	498.7	496.4	495.1	494.1
12.5°	509.4	506.4	504.3	501.2	498.2	496.4	493.5	491.7	489.5	486.9	485.3
15°	505.8	502.5	499.7	496.4	493.1	491.1	487.7	485.7	482.3	479.7	477.9
17.5°	500.5	497.7	494.6	490.5	487.5	484.9	481.3	478.7	475.6	472.3	470.5
20°	494.9	491.5	488.5	484.3	481.3	478.2	474.6	471.8	468.2	465.2	463.0
22.5°	487.5	483.5	481.0	476.9	473.3	470.0	466.6	463.4	460.0	457.4	455.2
25°	476.7	472.6	469.8	466.4	463.0	460.6	456.4	454.4	451.1	448.8	446.5
27.5°	461.2	458.2	455.6	452.4	449.6	447.5	444.4	442.4	439.5	437.5	435.7
30°	438.8	436.3	433.9	430.5	428.5	426.7	423.9	422.1	420.1	417.8	417.3
32.5°	408.6	406.6	404.2	402.0	400.4	399.4	397.0	396.0	394.0	392.7	391.4
35°	363.0	361.2	359.9	358.9	358.4	358.7	358.2	359.2	359.7	359.4	359.7
37.5°	303.4	302.3	302.8	303.6	306.2	309.5	312.5	317.1	320.3	323.3	326.1
40°	236.8	237.6	239.6	244.2	250.9	258.3	265.2	273.9	282.6	288.8	294.4
42.5°	178.6	181.0	186.1	192.7	202.7	213.8	224.6	237.3	247.8	258.1	265.2
45°	134.4	137.5	144.1	153.3	164.4	177.2	190.7	205.1	217.6	228.2	236.0
47.5°	104.7	107.6	114.2	123.9	137.5	150.8	164.8	179.7	192.7	203.1	209.9
50°	82.7	86.3	92.1	102.4	116.0	130.0	144.7	159.2	171.6	180.2	186.4
52.5°	65.0	68.4	74.0	84.7	98.6	112.6	126.2	140.5	151.3	159.8	163.8
55°	50.4	53.6	59.4	68.4	81.4	95.3	108.8	121.0	131.1	137.2	141.1
57.5°	38.4	40.7	44.8	53.8	65.6	78.3	89.9	102.1	109.8	114.2	116.8
60°	29.1	30.9	35.3	42.2	53.0	64.0	73.7	82.9	89.1	92.7	95.3
62.5°	22.0	24.1	27.1	33.1	41.2	50.2	58.4	65.2	70.4	72.7	74.5
65°	15.1	16.7	18.9	23.5	30.5	36.9	43.3	48.4	51.8	54.2	55.4
67.5°	11.2	12.3	13.6	17.1	22.0	27.1	31.5	35.1	38.7	39.7	41.5
70°	8.4	9.2	10.5	13.0	15.9	19.5	23.1	25.1	27.7	29.5	29.9
72.5°	5.4	5.6	6.9	8.4	10.8	13.0	15.4	17.1	18.7	19.7	20.2
75°	3.0	4.6	4.6	6.2	7.6	8.7	10.2	11.5	12.3	13.0	13.0
77.5°	2.0	2.8	3.0	3.8	4.6	5.9	7.2	8.0	8.7	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	4.0	4.0
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: P246018

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	519.6	520.0	519.0	518.6	518.2	518.4	519.0
5°	510.2	510.4	509.4	508.4	508.4	508.2	508.4
7.5°	501.2	501.5	500.0	499.5	498.4	498.7	498.7
10°	492.3	492.3	489.9	489.7	488.9	488.7	488.7
12.5°	483.5	482.8	481.0	480.0	480.5	479.0	479.0
15°	475.9	474.6	472.3	471.6	470.2	469.8	469.8
17.5°	468.0	467.0	464.8	463.4	461.8	461.6	461.8
20°	460.2	459.2	456.8	455.6	454.4	454.4	453.9
22.5°	452.6	451.6	449.3	448.5	446.7	446.7	447.0
25°	444.7	443.9	441.3	440.8	440.6	439.5	440.1
27.5°	433.9	433.4	431.3	430.5	429.5	429.3	429.9
30°	414.2	413.4	411.9	411.2	409.4	409.6	410.1
32.5°	389.6	388.6	386.6	385.8	384.3	383.7	384.0
35°	358.9	358.2	356.4	356.4	354.8	354.3	354.8
37.5°	327.7	328.4	327.7	328.4	327.7	327.4	327.7
40°	298.2	301.0	301.6	304.4	303.4	304.9	304.7
42.5°	270.1	274.7	276.5	278.8	278.3	279.3	280.0
45°	241.6	245.5	247.3	248.8	249.1	249.6	249.9
47.5°	214.8	217.8	218.1	219.9	219.6	219.6	220.4
50°	189.7	191.7	192.3	193.5	192.5	192.0	192.3
52.5°	166.4	168.4	168.0	168.4	167.2	166.6	167.0
55°	142.5	143.7	143.7	143.7	142.1	142.1	142.1
57.5°	118.2	118.6	118.0	118.2	118.0	116.4	116.2
60°	96.0	96.0	95.7	96.0	95.3	94.5	94.5
62.5°	75.0	75.5	76.5	75.5	75.0	75.5	74.7
65°	56.0	57.0	56.8	57.4	57.0	57.0	56.6
67.5°	42.2	42.5	42.8	43.0	43.0	43.0	43.0
70°	30.9	31.7	31.5	31.5	31.5	31.5	33.1
72.5°	20.7	21.7	21.5	22.0	22.0	22.5	22.0
75°	14.1	15.1	14.6	15.4	15.1	14.6	15.9
77.5°	9.5	10.0	10.2	10.5	10.2	10.0	10.2
80°	6.6	7.2	6.9	7.2	7.2	7.2	7.4
82.5°	4.0	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)