

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: P244560

Luminaire Tested: **LD8B10D010 ER8B10935 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244560  
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 ER8B10935 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 972.0 lumens  
Efficiency: N/A  
Efficacy: 95.3 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

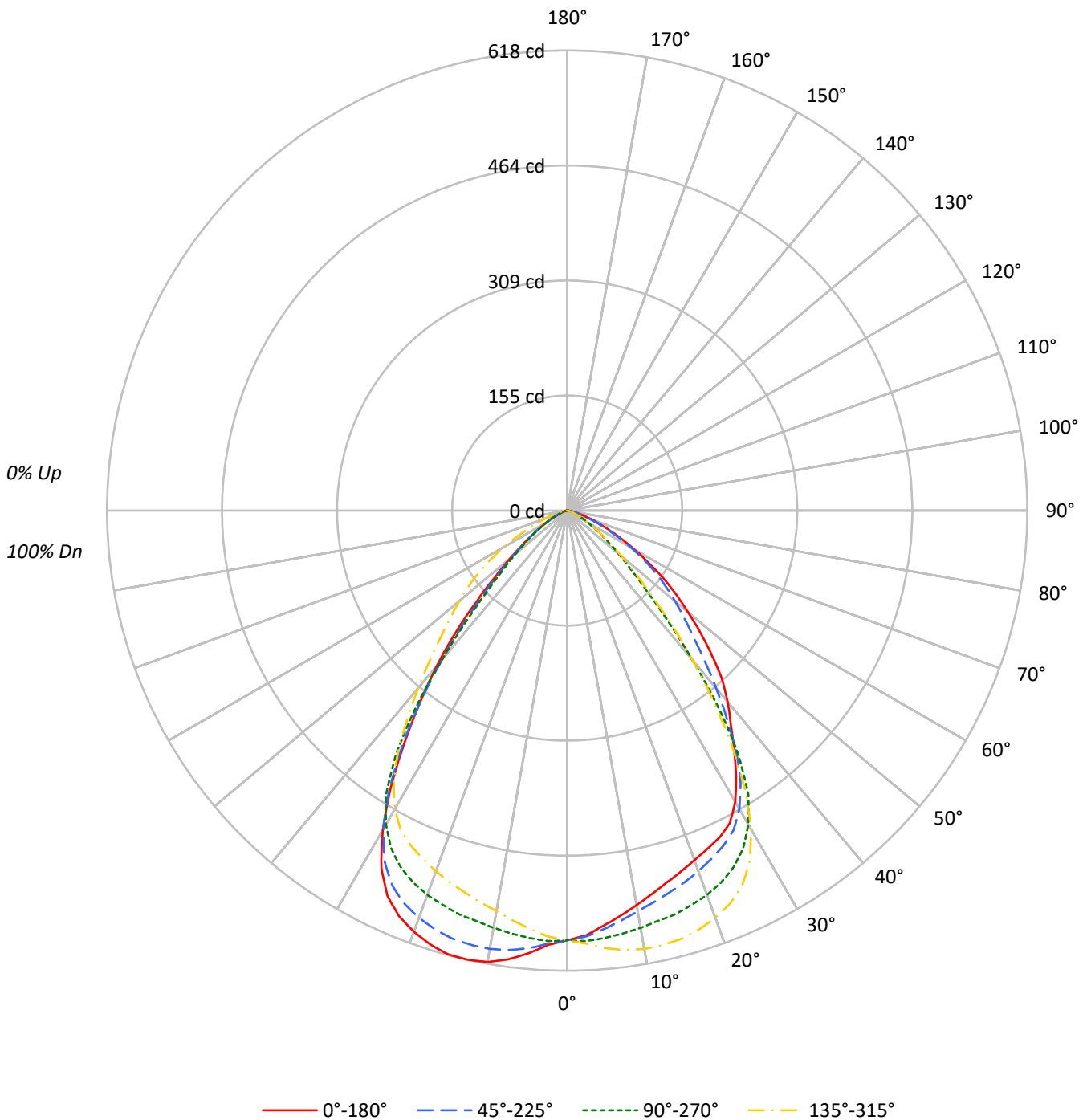
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	17793	17793	17793	17793
5°	17322	17836	18473	17836
10°	16843	17813	19276	17813
15°	16505	17919	19700	17919
20°	16395	18022	19748	18022
25°	16478	17985	19431	17985
30°	16073	17326	17636	17326
35°	14700	15114	14339	15114
40°	13497	10514	10981	10514
45°	11993	6415	7422	6415
50°	10151	4284	4759	4284
55°	8408	2925	3091	2925
60°	6414	1949	1961	1949
65°	4546	1211	1109	1211
70°	3273	811	739	811
75°	2085	405	334	405
80°	1456	302	249	302
85°	1309	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	5.7
10°-20°	159.0	16.4
20°-30°	240.8	24.8
30°-40°	241.4	24.8
40°-50°	151.6	15.6
50°-60°	80.8	8.3
60°-70°	33.2	3.4
70°-80°	8.8	0.9
80°-90°	1.5	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°	454.8	46.8
0°-40°	696.2	71.6
0°-60°	928.5	95.5
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	577	577	577	577	577	
5°	560	576	597	576	560	53
15°	517	561	617	561	517	146
25°	484	529	571	529	484	222
35°	390	402	381	402	390	245
45°	275	147	170	147	275	212
55°	156	54	58	54	156	139
65°	62	17	15	17	62	65
75°	18	3	3	3	18	20
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°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	571.1	570.6	570.3	570.9	571.1	572.3	572.0	572.5	572.5	572.8	573.4
5°	559.6	559.3	559.6	559.6	560.7	561.8	561.6	562.4	563.0	564.4	564.9
7.5°	548.9	548.9	548.6	549.7	550.3	552.0	551.7	553.1	553.9	555.3	557.3
10°	537.9	537.9	538.2	539.0	539.3	541.8	541.8	543.8	544.9	546.3	548.9
12.5°	527.2	527.2	528.9	528.3	529.4	531.4	532.2	534.2	535.9	538.7	541.3
15°	517.0	517.0	517.6	519.0	519.8	522.4	523.8	526.1	528.0	530.8	534.5
17.5°	508.3	508.0	508.3	510.0	511.7	513.9	515.1	517.9	519.8	523.5	526.9
20°	499.6	500.1	500.1	501.5	502.7	505.5	506.6	509.7	512.0	515.3	519.3
22.5°	492.0	491.7	491.7	493.6	494.5	497.0	498.1	501.0	503.5	506.3	510.0
25°	484.3	483.8	484.9	485.2	485.8	488.6	489.4	491.4	493.9	496.5	500.1
27.5°	473.1	472.5	472.8	473.9	474.8	477.0	477.6	479.6	481.5	483.8	486.9
30°	451.4	450.8	450.5	452.5	453.4	455.0	455.9	459.3	459.8	462.4	464.6
32.5°	422.6	422.4	422.9	424.6	425.5	427.7	428.8	430.8	432.2	433.6	435.9
35°	390.5	390.0	390.5	392.2	392.2	394.2	395.0	395.9	395.6	395.9	395.3
37.5°	360.7	360.4	360.7	361.5	360.7	361.5	360.7	359.0	355.9	352.5	349.1
40°	335.3	335.6	333.9	335.0	331.9	331.4	328.3	324.0	317.8	311.1	301.5
42.5°	308.3	307.4	306.3	306.8	304.3	302.3	297.3	291.9	284.0	272.8	261.2
45°	275.0	274.7	274.2	273.9	272.2	270.2	266.0	259.8	251.1	239.5	225.7
47.5°	242.6	241.8	241.8	242.0	240.1	239.8	236.4	231.0	223.4	212.2	197.8
50°	211.6	211.3	211.9	213.0	211.6	211.0	208.8	205.1	198.4	188.8	175.2
52.5°	183.7	183.4	184.0	185.4	184.8	185.4	183.1	180.3	175.8	166.5	154.7
55°	156.4	156.4	156.4	158.1	158.1	158.1	156.9	155.3	151.0	144.3	133.3
57.5°	127.9	128.2	129.9	130.2	129.9	130.5	130.2	128.5	125.7	120.9	112.4
60°	104.0	104.0	104.8	105.7	105.4	105.7	105.7	104.8	102.0	98.1	91.3
62.5°	82.3	83.1	82.6	83.1	84.2	83.1	82.6	82.0	80.0	77.5	71.8
65°	62.3	62.8	62.8	63.1	62.5	62.8	61.7	60.9	59.7	56.9	53.3
67.5°	47.3	47.3	47.3	47.3	47.1	46.8	46.5	45.6	43.7	42.6	38.6
70°	36.3	34.7	34.7	34.7	34.7	34.9	34.1	33.0	32.4	30.4	27.6
72.5°	24.2	24.8	24.2	24.2	23.7	23.9	22.8	22.3	21.7	20.6	18.9
75°	17.5	16.1	16.6	16.9	16.1	16.6	15.5	14.4	14.4	13.5	12.7
77.5°	11.3	11.0	11.3	11.6	11.3	11.0	10.4	9.9	9.9	9.6	8.7
80°	8.2	7.9	7.9	7.9	7.6	7.9	7.3	7.3	6.8	6.5	5.9
82.5°	5.4	5.4	5.1	5.4	5.1	5.4	4.5	4.5	4.5	4.2	3.7
85°	3.7	3.1	3.1	3.4	2.8	3.4	3.1	2.8	2.5	2.5	2.2
87.5°	1.7	2.0	1.7	2.0	1.7	1.7	2.0	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°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	574.2	574.5	574.5	575.6	576.2	576.5	576.5	578.7	577.9	578.5	579.0
5°	566.1	567.7	568.3	568.3	571.4	572.5	573.7	576.2	576.5	578.2	580.1
7.5°	558.2	560.1	561.3	563.8	565.8	567.7	571.1	572.8	574.5	576.8	579.3
10°	550.6	552.8	555.1	557.0	560.1	562.7	564.9	568.9	570.9	573.9	577.3
12.5°	543.2	546.3	548.3	551.7	555.1	557.3	560.7	564.4	567.5	570.6	574.5
15°	536.8	540.4	542.7	546.3	550.0	553.1	556.8	561.3	563.5	567.2	570.9
17.5°	529.7	533.7	536.5	539.9	544.4	547.7	550.8	555.3	558.2	562.1	566.3
20°	522.4	526.3	529.7	533.1	537.6	541.0	544.6	549.2	552.3	556.2	559.6
22.5°	513.7	517.3	521.0	524.9	529.4	532.2	536.5	540.4	543.8	547.5	550.8
25°	502.4	506.9	509.7	513.4	517.0	520.1	524.6	528.6	531.4	534.8	537.9
27.5°	489.1	492.5	494.8	497.9	501.5	504.4	507.7	511.7	514.5	517.6	519.8
30°	466.6	469.7	471.7	473.9	477.6	480.1	482.9	486.6	488.6	490.8	492.8
32.5°	437.0	439.5	440.7	442.4	444.9	447.4	449.7	452.8	453.6	455.0	455.0
35°	394.2	394.7	394.5	395.0	396.2	397.6	399.5	401.5	402.6	402.6	401.8
37.5°	344.0	340.7	337.0	334.2	333.3	332.8	333.9	334.7	335.9	336.4	335.0
40°	291.9	284.3	276.1	268.8	263.7	261.5	260.6	261.2	261.2	263.2	263.2
42.5°	247.1	235.3	223.2	212.2	204.8	199.2	196.7	196.7	196.9	198.4	199.2
45°	209.9	195.0	180.9	168.8	158.6	151.3	147.9	147.1	146.8	147.4	149.3
47.5°	181.5	166.0	151.3	136.4	125.7	118.3	115.2	114.1	113.0	114.1	114.4
50°	159.2	143.1	127.6	112.7	101.4	94.9	91.0	89.3	89.0	89.0	89.6
52.5°	138.9	124.0	108.5	93.3	81.4	75.2	71.6	70.7	69.6	70.7	70.7
55°	119.7	104.8	89.6	75.2	65.4	58.9	55.5	54.4	53.8	54.7	54.7
57.5°	98.9	86.2	72.1	59.2	49.3	44.8	42.3	40.9	40.6	41.1	40.6
60°	81.1	70.4	58.3	46.5	38.9	34.1	32.1	31.6	31.0	31.6	31.6
62.5°	64.2	55.2	45.4	36.3	29.9	26.5	24.2	24.2	23.9	23.9	24.2
65°	47.6	40.6	33.5	25.9	20.9	18.3	16.6	16.6	16.3	16.6	16.3
67.5°	34.7	29.9	24.2	18.9	14.9	13.5	12.4	11.6	12.1	11.6	11.3
70°	25.4	21.4	17.5	14.4	11.6	10.1	9.3	9.0	8.5	8.5	8.5
72.5°	16.9	14.4	11.8	9.3	7.6	6.2	5.9	5.4	4.8	5.1	5.6
75°	11.3	9.6	8.5	6.8	5.1	5.1	3.4	3.4	2.8	3.4	2.5
77.5°	7.9	6.5	5.1	4.2	3.4	3.1	2.2	2.2	2.0	2.0	2.0
80°	5.6	4.8	3.7	3.1	2.2	2.2	2.0	1.7	1.4	1.4	1.7
82.5°	3.4	2.5	2.5	2.2	1.4	1.1	0.8	1.1	0.6	0.6	0.6
85°	2.0	1.7	1.4	0.8	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.1	0.6	0.6	0.3	0.0	0.3	0.3	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°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	580.4	580.1	580.7	580.7	582.4	582.1	583.0	583.0	582.4	582.7	583.8
5°	582.4	583.3	584.9	586.3	588.9	590.0	591.4	592.8	593.1	594.0	594.8
7.5°	582.4	585.2	587.2	589.7	593.1	595.1	598.2	600.7	601.8	603.2	604.9
10°	581.3	584.1	587.8	590.6	594.8	597.9	601.0	604.9	606.6	608.9	611.1
12.5°	579.0	582.1	586.1	589.7	594.5	597.3	601.3	604.9	607.5	610.6	613.1
15°	575.6	579.3	583.0	586.6	591.7	595.1	598.7	603.0	605.5	608.9	611.1
17.5°	570.3	574.2	577.6	581.0	585.8	589.7	593.1	597.1	599.6	602.4	605.5
20°	563.8	567.5	571.1	573.9	578.7	582.1	585.8	589.4	591.4	592.0	596.8
22.5°	555.6	558.2	561.0	565.5	568.3	571.4	574.8	578.2	580.1	583.3	584.9
25°	542.1	544.6	547.7	549.7	553.1	555.6	559.0	562.7	563.8	566.1	567.7
27.5°	523.2	524.6	526.1	527.7	529.7	531.1	533.1	534.8	535.9	537.0	538.2
30°	493.4	493.4	493.4	492.2	493.1	493.9	494.2	493.9	493.9	493.6	493.6
32.5°	453.9	451.7	449.1	446.9	446.0	444.9	444.3	443.5	442.1	441.2	441.5
35°	400.7	395.6	392.5	389.7	387.4	385.7	384.9	384.0	383.8	382.6	381.5
37.5°	334.2	330.5	328.3	326.6	324.6	322.9	323.2	323.5	324.3	323.7	324.0
40°	263.7	262.9	263.7	261.8	261.2	261.8	263.2	265.1	266.3	267.4	269.4
42.5°	200.6	202.0	204.0	204.0	204.8	206.0	207.7	210.8	212.4	214.4	216.7
45°	151.0	152.7	155.3	156.1	156.7	158.1	160.0	162.6	163.7	165.4	167.4
47.5°	116.4	117.5	118.9	120.3	121.7	122.3	124.3	124.3	125.7	126.8	127.4
50°	90.7	91.9	93.0	93.8	94.4	95.2	95.8	96.6	96.9	97.5	97.8
52.5°	71.0	72.4	72.4	73.0	73.8	74.7	74.4	74.7	74.9	74.9	75.8
55°	55.5	55.5	56.4	56.4	56.9	56.6	56.9	56.9	56.9	56.9	57.2
57.5°	41.4	41.7	42.6	42.0	41.7	42.3	41.7	42.3	42.0	42.6	41.7
60°	31.8	31.8	32.1	32.1	32.4	32.4	32.4	32.1	32.1	31.8	31.8
62.5°	23.9	24.2	24.5	24.2	24.2	24.2	23.9	23.9	23.7	23.4	23.4
65°	16.1	15.8	16.3	15.8	16.1	16.1	15.8	16.1	15.2	15.5	15.2
67.5°	11.6	11.3	11.0	11.3	11.0	10.7	10.7	11.0	11.3	10.4	10.4
70°	7.6	7.9	7.6	7.9	8.2	8.2	7.9	7.6	7.9	7.3	7.6
72.5°	4.8	4.8	4.8	4.8	4.8	5.1	5.1	5.1	4.5	4.5	4.2
75°	2.2	3.1	2.5	2.2	3.1	3.1	2.8	2.8	2.5	2.5	2.5
77.5°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.7	1.4
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.4	1.1	1.1	0.8	1.4
82.5°	0.6	0.6	0.6	0.0	0.3	0.6	0.6	0.3	0.6	0.6	0.3
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 ER8B10935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	583.5	583.3	583.5	583.8	583.5	583.3	583.5	583.8	582.7	582.4	583.0
5°	595.9	595.9	596.5	596.8	596.5	595.9	595.9	594.8	594.0	593.1	592.8
7.5°	606.6	607.2	607.8	608.0	607.8	607.2	606.6	604.9	603.2	601.8	600.7
10°	613.1	614.0	615.1	615.6	615.1	614.0	613.1	611.1	608.9	606.6	604.9
12.5°	615.9	616.8	618.2	617.9	618.2	616.8	615.9	613.1	610.6	607.5	604.9
15°	614.0	615.1	616.5	617.1	616.5	615.1	614.0	611.1	608.9	605.5	603.0
17.5°	607.8	609.4	610.3	611.1	610.3	609.4	607.8	605.5	602.4	599.6	597.1
20°	599.3	600.4	601.6	601.8	601.6	600.4	599.3	596.8	592.0	591.4	589.4
22.5°	587.2	588.0	590.6	589.7	590.6	588.0	587.2	584.9	583.3	580.1	578.2
25°	569.7	570.6	570.9	571.1	570.9	570.6	569.7	567.7	566.1	563.8	562.7
27.5°	539.6	539.6	540.1	540.4	540.1	539.6	539.6	538.2	537.0	535.9	534.8
30°	493.9	493.9	493.9	495.3	493.9	493.9	493.9	493.6	493.6	493.9	493.9
32.5°	441.2	440.7	440.1	440.7	440.1	440.7	441.2	441.5	441.2	442.1	443.5
35°	381.5	381.2	382.1	380.9	382.1	381.2	381.5	381.5	382.6	383.8	384.0
37.5°	324.3	323.7	324.9	323.7	324.9	323.7	324.3	324.0	323.7	324.3	323.5
40°	269.9	270.5	270.5	272.8	270.5	270.5	269.9	269.4	267.4	266.3	265.1
42.5°	217.8	219.5	218.9	220.6	218.9	219.5	217.8	216.7	214.4	212.4	210.8
45°	168.5	169.6	169.6	170.2	169.6	169.6	168.5	167.4	165.4	163.7	162.6
47.5°	129.3	129.3	129.3	129.6	129.3	129.3	129.3	127.4	126.8	125.7	124.3
50°	98.3	98.6	98.9	99.2	98.9	98.6	98.3	97.8	97.5	96.9	96.6
52.5°	75.5	75.8	75.2	75.8	75.2	75.8	75.5	75.8	74.9	74.9	74.7
55°	57.2	56.9	57.2	57.5	57.2	56.9	57.2	57.2	56.9	56.9	56.9
57.5°	42.0	41.4	41.4	41.4	41.4	41.4	42.0	41.7	42.6	42.0	42.3
60°	31.3	31.6	31.6	31.8	31.6	31.6	31.3	31.8	31.8	32.1	32.1
62.5°	23.1	23.9	23.4	23.9	23.4	23.9	23.1	23.4	23.4	23.7	23.9
65°	14.9	14.9	14.9	15.2	14.9	14.9	14.9	15.2	15.5	15.2	16.1
67.5°	10.1	10.4	11.0	10.7	11.0	10.4	10.1	10.4	10.4	11.3	11.0
70°	8.2	7.3	7.3	8.2	7.3	7.3	8.2	7.6	7.3	7.9	7.6
72.5°	4.8	4.2	4.8	4.8	4.8	4.2	4.8	4.2	4.5	4.5	5.1
75°	2.5	2.2	2.0	2.8	2.0	2.2	2.5	2.5	2.5	2.5	2.8
77.5°	1.7	1.4	2.0	2.0	2.0	1.4	1.7	1.4	1.7	1.4	1.7
80°	0.8	1.1	0.8	1.4	0.8	1.1	0.8	1.4	0.8	1.1	1.1
82.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.3
85°	0.0	0.6	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.3	0.0	0.0	0.3	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: P244560

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	583.0	582.1	582.4	580.7	580.7	580.1	580.4	579.0	578.5	577.9	578.7
5°	591.4	590.0	588.9	586.3	584.9	583.3	582.4	580.1	578.2	576.5	576.2
7.5°	598.2	595.1	593.1	589.7	587.2	585.2	582.4	579.3	576.8	574.5	572.8
10°	601.0	597.9	594.8	590.6	587.8	584.1	581.3	577.3	573.9	570.9	568.9
12.5°	601.3	597.3	594.5	589.7	586.1	582.1	579.0	574.5	570.6	567.5	564.4
15°	598.7	595.1	591.7	586.6	583.0	579.3	575.6	570.9	567.2	563.5	561.3
17.5°	593.1	589.7	585.8	581.0	577.6	574.2	570.3	566.3	562.1	558.2	555.3
20°	585.8	582.1	578.7	573.9	571.1	567.5	563.8	559.6	556.2	552.3	549.2
22.5°	574.8	571.4	568.3	565.5	561.0	558.2	555.6	550.8	547.5	543.8	540.4
25°	559.0	555.6	553.1	549.7	547.7	544.6	542.1	537.9	534.8	531.4	528.6
27.5°	533.1	531.1	529.7	527.7	526.1	524.6	523.2	519.8	517.6	514.5	511.7
30°	494.2	493.9	493.1	492.2	493.4	493.4	493.4	492.8	490.8	488.6	486.6
32.5°	444.3	444.9	446.0	446.9	449.1	451.7	453.9	455.0	455.0	453.6	452.8
35°	384.9	385.7	387.4	389.7	392.5	395.6	400.7	401.8	402.6	402.6	401.5
37.5°	323.2	322.9	324.6	326.6	328.3	330.5	334.2	335.0	336.4	335.9	334.7
40°	263.2	261.8	261.2	261.8	263.7	262.9	263.7	263.2	263.2	261.2	261.2
42.5°	207.7	206.0	204.8	204.0	204.0	202.0	200.6	199.2	198.4	196.9	196.7
45°	160.0	158.1	156.7	156.1	155.3	152.7	151.0	149.3	147.4	146.8	147.1
47.5°	124.3	122.3	121.7	120.3	118.9	117.5	116.4	114.4	114.1	113.0	114.1
50°	95.8	95.2	94.4	93.8	93.0	91.9	90.7	89.6	89.0	89.0	89.3
52.5°	74.4	74.7	73.8	73.0	72.4	72.4	71.0	70.7	70.7	69.6	70.7
55°	56.9	56.6	56.9	56.4	56.4	55.5	55.5	54.7	54.7	53.8	54.4
57.5°	41.7	42.3	41.7	42.0	42.6	41.7	41.4	40.6	41.1	40.6	40.9
60°	32.4	32.4	32.4	32.1	32.1	31.8	31.8	31.6	31.6	31.0	31.6
62.5°	23.9	24.2	24.2	24.2	24.5	24.2	23.9	24.2	23.9	23.9	24.2
65°	15.8	16.1	16.1	15.8	16.3	15.8	16.1	16.3	16.6	16.3	16.6
67.5°	10.7	10.7	11.0	11.3	11.0	11.3	11.6	11.3	11.6	12.1	11.6
70°	7.9	8.2	8.2	7.9	7.6	7.9	7.6	8.5	8.5	8.5	9.0
72.5°	5.1	5.1	4.8	4.8	4.8	4.8	4.8	5.6	5.1	4.8	5.4
75°	2.8	3.1	3.1	2.2	2.5	3.1	2.2	2.5	3.4	2.8	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.0	2.0	2.0	2.2
80°	1.4	1.1	1.1	0.8	1.1	1.1	1.1	1.7	1.4	1.4	1.7
82.5°	0.6	0.6	0.3	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	0.3	0.3	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: P244560

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	576.5	576.5	576.2	575.6	574.5	574.5	574.2	573.4	572.8	572.5	572.5
5°	573.7	572.5	571.4	568.3	568.3	567.7	566.1	564.9	564.4	563.0	562.4
7.5°	571.1	567.7	565.8	563.8	561.3	560.1	558.2	557.3	555.3	553.9	553.1
10°	564.9	562.7	560.1	557.0	555.1	552.8	550.6	548.9	546.3	544.9	543.8
12.5°	560.7	557.3	555.1	551.7	548.3	546.3	543.2	541.3	538.7	535.9	534.2
15°	556.8	553.1	550.0	546.3	542.7	540.4	536.8	534.5	530.8	528.0	526.1
17.5°	550.8	547.7	544.4	539.9	536.5	533.7	529.7	526.9	523.5	519.8	517.9
20°	544.6	541.0	537.6	533.1	529.7	526.3	522.4	519.3	515.3	512.0	509.7
22.5°	536.5	532.2	529.4	524.9	521.0	517.3	513.7	510.0	506.3	503.5	501.0
25°	524.6	520.1	517.0	513.4	509.7	506.9	502.4	500.1	496.5	493.9	491.4
27.5°	507.7	504.4	501.5	497.9	494.8	492.5	489.1	486.9	483.8	481.5	479.6
30°	482.9	480.1	477.6	473.9	471.7	469.7	466.6	464.6	462.4	459.8	459.3
32.5°	449.7	447.4	444.9	442.4	440.7	439.5	437.0	435.9	433.6	432.2	430.8
35°	399.5	397.6	396.2	395.0	394.5	394.7	394.2	395.3	395.9	395.6	395.9
37.5°	333.9	332.8	333.3	334.2	337.0	340.7	344.0	349.1	352.5	355.9	359.0
40°	260.6	261.5	263.7	268.8	276.1	284.3	291.9	301.5	311.1	317.8	324.0
42.5°	196.7	199.2	204.8	212.2	223.2	235.3	247.1	261.2	272.8	284.0	291.9
45°	147.9	151.3	158.6	168.8	180.9	195.0	209.9	225.7	239.5	251.1	259.8
47.5°	115.2	118.3	125.7	136.4	151.3	166.0	181.5	197.8	212.2	223.4	231.0
50°	91.0	94.9	101.4	112.7	127.6	143.1	159.2	175.2	188.8	198.4	205.1
52.5°	71.6	75.2	81.4	93.3	108.5	124.0	138.9	154.7	166.5	175.8	180.3
55°	55.5	58.9	65.4	75.2	89.6	104.8	119.7	133.3	144.3	151.0	155.3
57.5°	42.3	44.8	49.3	59.2	72.1	86.2	98.9	112.4	120.9	125.7	128.5
60°	32.1	34.1	38.9	46.5	58.3	70.4	81.1	91.3	98.1	102.0	104.8
62.5°	24.2	26.5	29.9	36.3	45.4	55.2	64.2	71.8	77.5	80.0	82.0
65°	16.6	18.3	20.9	25.9	33.5	40.6	47.6	53.3	56.9	59.7	60.9
67.5°	12.4	13.5	14.9	18.9	24.2	29.9	34.7	38.6	42.6	43.7	45.6
70°	9.3	10.1	11.6	14.4	17.5	21.4	25.4	27.6	30.4	32.4	33.0
72.5°	5.9	6.2	7.6	9.3	11.8	14.4	16.9	18.9	20.6	21.7	22.3
75°	3.4	5.1	5.1	6.8	8.5	9.6	11.3	12.7	13.5	14.4	14.4
77.5°	2.2	3.1	3.4	4.2	5.1	6.5	7.9	8.7	9.6	9.9	9.9
80°	2.0	2.2	2.2	3.1	3.7	4.8	5.6	5.9	6.5	6.8	7.3
82.5°	0.8	1.1	1.4	2.2	2.5	2.5	3.4	3.7	4.2	4.5	4.5
85°	0.3	0.6	0.6	0.8	1.4	1.7	2.0	2.2	2.5	2.5	2.8
87.5°	0.3	0.3	0.0	0.3	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: P244560

CATALOG NUMBER: LD8B10D010 ER8B10935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	577.0	577.0	577.0	577.0	577.0	577.0	577.0
2.5°	572.0	572.3	571.1	570.9	570.3	570.6	571.1
5°	561.6	561.8	560.7	559.6	559.6	559.3	559.6
7.5°	551.7	552.0	550.3	549.7	548.6	548.9	548.9
10°	541.8	541.8	539.3	539.0	538.2	537.9	537.9
12.5°	532.2	531.4	529.4	528.3	528.9	527.2	527.2
15°	523.8	522.4	519.8	519.0	517.6	517.0	517.0
17.5°	515.1	513.9	511.7	510.0	508.3	508.0	508.3
20°	506.6	505.5	502.7	501.5	500.1	500.1	499.6
22.5°	498.1	497.0	494.5	493.6	491.7	491.7	492.0
25°	489.4	488.6	485.8	485.2	484.9	483.8	484.3
27.5°	477.6	477.0	474.8	473.9	472.8	472.5	473.1
30°	455.9	455.0	453.4	452.5	450.5	450.8	451.4
32.5°	428.8	427.7	425.5	424.6	422.9	422.4	422.6
35°	395.0	394.2	392.2	392.2	390.5	390.0	390.5
37.5°	360.7	361.5	360.7	361.5	360.7	360.4	360.7
40°	328.3	331.4	331.9	335.0	333.9	335.6	335.3
42.5°	297.3	302.3	304.3	306.8	306.3	307.4	308.3
45°	266.0	270.2	272.2	273.9	274.2	274.7	275.0
47.5°	236.4	239.8	240.1	242.0	241.8	241.8	242.6
50°	208.8	211.0	211.6	213.0	211.9	211.3	211.6
52.5°	183.1	185.4	184.8	185.4	184.0	183.4	183.7
55°	156.9	158.1	158.1	158.1	156.4	156.4	156.4
57.5°	130.2	130.5	129.9	130.2	129.9	128.2	127.9
60°	105.7	105.7	105.4	105.7	104.8	104.0	104.0
62.5°	82.6	83.1	84.2	83.1	82.6	83.1	82.3
65°	61.7	62.8	62.5	63.1	62.8	62.8	62.3
67.5°	46.5	46.8	47.1	47.3	47.3	47.3	47.3
70°	34.1	34.9	34.7	34.7	34.7	34.7	36.3
72.5°	22.8	23.9	23.7	24.2	24.2	24.8	24.2
75°	15.5	16.6	16.1	16.9	16.6	16.1	17.5
77.5°	10.4	11.0	11.3	11.6	11.3	11.0	11.3
80°	7.3	7.9	7.6	7.9	7.9	7.9	8.2
82.5°	4.5	5.4	5.1	5.4	5.1	5.4	5.4
85°	3.1	3.4	2.8	3.4	3.1	3.1	3.7
87.5°	2.0	1.7	1.7	2.0	1.7	2.0	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)