

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: P245940

Luminaire Tested: **LD8B10D010 ER8B10950 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245940  
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 ER8B10950 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 803.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 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

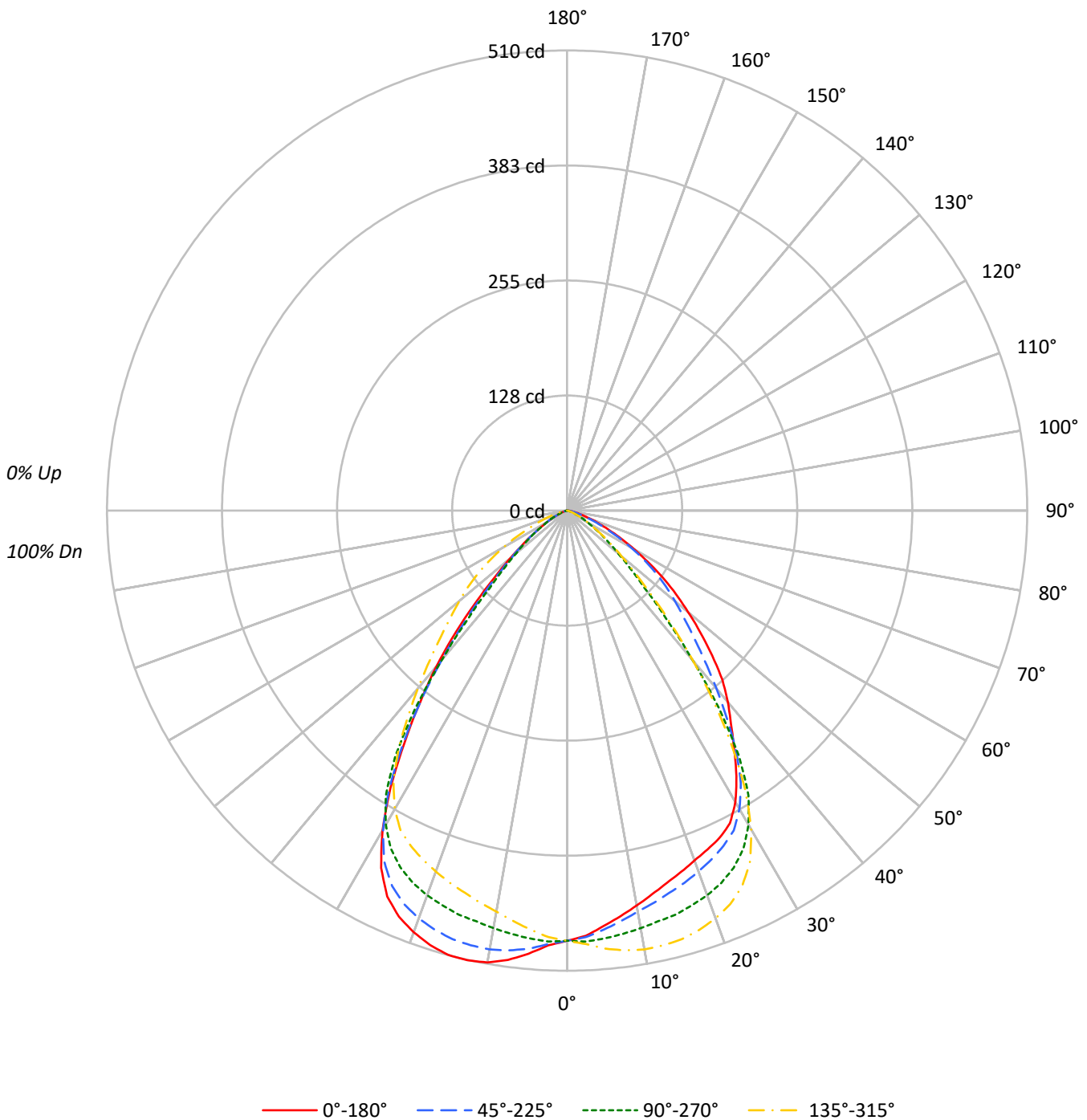
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	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°	14700	14700	14700	14700
5°	14310	14734	15260	14734
10°	13915	14717	15925	14717
15°	13635	14803	16275	14803
20°	13543	14888	16316	14888
25°	13613	14858	16053	14858
30°	13278	14314	14570	14314
35°	12144	12487	11847	12487
40°	11150	8687	9069	8687
45°	9908	5299	6131	5299
50°	8386	3540	3929	3540
55°	6946	2414	2554	2414
60°	5298	1610	1622	1610
65°	3750	1000	919	1000
70°	2705	667	613	667
75°	1716	334	274	334
80°	1208	249	213	249
85°	1061	0	71	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	5.7
10°-20°	131.4	16.4
20°-30°	199.0	24.8
30°-40°	199.4	24.8
40°-50°	125.2	15.6
50°-60°	66.7	8.3
60°-70°	27.4	3.4
70°-80°	7.3	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°	375.7	46.8
0°-40°	575.1	71.6
0°-60°	767.1	95.5
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	477	477	477	477	477	
5°	462	476	493	476	462	44
15°	427	464	510	464	427	121
25°	400	437	472	437	400	184
35°	323	332	315	332	323	202
45°	227	122	141	122	227	175
55°	129	45	48	45	129	115
65°	51	14	13	14	51	53
75°	14	3	2	3	14	16
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°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	471.8	471.4	471.1	471.6	471.8	472.8	472.5	473.0	473.0	473.2	473.7
5°	462.3	462.0	462.3	462.3	463.2	464.1	463.9	464.6	465.1	466.2	466.7
7.5°	453.4	453.4	453.2	454.1	454.6	456.0	455.8	456.9	457.6	458.8	460.4
10°	444.4	444.4	444.6	445.3	445.5	447.6	447.6	449.2	450.2	451.3	453.4
12.5°	435.5	435.5	436.9	436.4	437.4	439.0	439.7	441.3	442.7	445.1	447.2
15°	427.1	427.1	427.6	428.8	429.5	431.6	432.7	434.6	436.2	438.5	441.6
17.5°	419.9	419.7	419.9	421.3	422.7	424.6	425.5	427.8	429.5	432.5	435.3
20°	412.7	413.2	413.2	414.3	415.3	417.6	418.5	421.1	422.9	425.7	429.0
22.5°	406.4	406.2	406.2	407.8	408.5	410.6	411.5	413.9	416.0	418.3	421.3
25°	400.1	399.7	400.6	400.8	401.3	403.6	404.3	405.9	408.0	410.1	413.2
27.5°	390.8	390.4	390.6	391.5	392.2	394.1	394.5	396.2	397.8	399.7	402.2
30°	372.9	372.4	372.2	373.8	374.5	375.9	376.6	379.4	379.9	382.0	383.8
32.5°	349.2	348.9	349.4	350.8	351.5	353.3	354.3	355.9	357.1	358.2	360.1
35°	322.6	322.2	322.6	324.0	324.0	325.7	326.4	327.0	326.8	327.0	326.6
37.5°	298.0	297.7	298.0	298.6	298.0	298.6	298.0	296.6	294.0	291.2	288.4
40°	277.0	277.2	275.8	276.8	274.2	273.7	271.2	267.7	262.6	257.0	249.1
42.5°	254.7	254.0	253.0	253.5	251.4	249.8	245.6	241.2	234.6	225.3	215.8
45°	227.2	227.0	226.5	226.3	224.9	223.2	219.7	214.6	207.4	197.9	186.4
47.5°	200.4	199.7	199.7	199.9	198.3	198.1	195.3	190.9	184.6	175.3	163.4
50°	174.8	174.6	175.0	176.0	174.8	174.3	172.5	169.5	163.9	156.0	144.8
52.5°	151.8	151.5	152.0	153.2	152.7	153.2	151.3	149.0	145.2	137.6	127.8
55°	129.2	129.2	129.2	130.6	130.6	130.6	129.7	128.3	124.8	119.2	110.1
57.5°	105.7	105.9	107.3	107.5	107.3	107.8	107.5	106.1	103.8	99.9	92.9
60°	85.9	85.9	86.6	87.3	87.1	87.3	87.3	86.6	84.3	81.0	75.4
62.5°	68.0	68.7	68.2	68.7	69.6	68.7	68.2	67.7	66.1	64.0	59.4
65°	51.4	51.9	51.9	52.1	51.7	51.9	51.0	50.3	49.4	47.0	44.0
67.5°	39.1	39.1	39.1	39.1	38.9	38.6	38.4	37.7	36.1	35.2	31.9
70°	30.0	28.6	28.6	28.6	28.6	28.9	28.2	27.2	26.8	25.1	22.8
72.5°	20.0	20.5	20.0	20.0	19.6	19.8	18.9	18.4	17.9	17.0	15.6
75°	14.4	13.3	13.7	14.0	13.3	13.7	12.8	11.9	11.9	11.2	10.5
77.5°	9.3	9.1	9.3	9.5	9.3	9.1	8.6	8.1	8.1	7.9	7.2
80°	6.8	6.5	6.5	6.5	6.3	6.5	6.1	6.1	5.6	5.4	4.9
82.5°	4.4	4.4	4.2	4.4	4.2	4.4	3.7	3.7	3.7	3.5	3.0
85°	3.0	2.6	2.6	2.8	2.3	2.8	2.6	2.3	2.1	2.1	1.9
87.5°	1.4	1.6	1.4	1.6	1.4	1.4	1.6	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°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	474.4	474.6	474.6	475.6	476.0	476.2	476.2	478.1	477.4	477.9	478.3
5°	467.6	469.0	469.5	469.5	472.1	473.0	473.9	476.0	476.2	477.6	479.3
7.5°	461.1	462.7	463.7	465.8	467.4	469.0	471.8	473.2	474.6	476.5	478.6
10°	454.8	456.7	458.6	460.2	462.7	464.8	466.7	470.0	471.6	474.2	476.9
12.5°	448.8	451.3	453.0	455.8	458.6	460.4	463.2	466.2	468.8	471.4	474.6
15°	443.4	446.5	448.3	451.3	454.4	456.9	460.0	463.7	465.5	468.6	471.6
17.5°	437.6	440.9	443.2	446.0	449.7	452.5	455.1	458.8	461.1	464.4	467.9
20°	431.6	434.8	437.6	440.4	444.1	446.9	449.9	453.7	456.2	459.5	462.3
22.5°	424.3	427.4	430.4	433.6	437.4	439.7	443.2	446.5	449.2	452.3	455.1
25°	415.0	418.8	421.1	424.1	427.1	429.7	433.4	436.7	439.0	441.8	444.4
27.5°	404.1	406.9	408.7	411.3	414.3	416.7	419.4	422.7	425.0	427.6	429.5
30°	385.5	388.0	389.7	391.5	394.5	396.6	399.0	402.0	403.6	405.5	407.1
32.5°	361.0	363.1	364.1	365.5	367.5	369.6	371.5	374.1	374.8	375.9	375.9
35°	325.7	326.1	325.9	326.4	327.3	328.4	330.1	331.7	332.6	332.6	331.9
37.5°	284.2	281.4	278.4	276.1	275.4	274.9	275.8	276.5	277.5	277.9	276.8
40°	241.2	234.9	228.1	222.1	217.9	216.0	215.3	215.8	215.8	217.4	217.4
42.5°	204.1	194.4	184.4	175.3	169.2	164.6	162.5	162.5	162.7	163.9	164.6
45°	173.4	161.1	149.4	139.4	131.0	125.0	122.2	121.5	121.3	121.7	123.4
47.5°	149.9	137.1	125.0	112.7	103.8	97.8	95.2	94.3	93.3	94.3	94.5
50°	131.5	118.2	105.4	93.1	83.8	78.4	75.2	73.8	73.6	73.6	74.0
52.5°	114.8	102.4	89.6	77.1	67.3	62.2	59.1	58.4	57.5	58.4	58.4
55°	98.9	86.6	74.0	62.2	54.0	48.7	45.9	44.9	44.5	45.2	45.2
57.5°	81.7	71.2	59.6	48.9	40.7	37.0	34.9	33.8	33.5	34.0	33.5
60°	67.0	58.2	48.2	38.4	32.1	28.2	26.5	26.1	25.6	26.1	26.1
62.5°	53.1	45.6	37.5	30.0	24.7	21.9	20.0	20.0	19.8	19.8	20.0
65°	39.3	33.5	27.7	21.4	17.2	15.1	13.7	13.7	13.5	13.7	13.5
67.5°	28.6	24.7	20.0	15.6	12.3	11.2	10.2	9.5	10.0	9.5	9.3
70°	21.0	17.7	14.4	11.9	9.5	8.4	7.7	7.4	7.0	7.0	7.0
72.5°	14.0	11.9	9.8	7.7	6.3	5.1	4.9	4.4	4.0	4.2	4.7
75°	9.3	7.9	7.0	5.6	4.2	4.2	2.8	2.8	2.3	2.8	2.1
77.5°	6.5	5.4	4.2	3.5	2.8	2.6	1.9	1.9	1.6	1.6	1.6
80°	4.7	4.0	3.0	2.6	1.9	1.9	1.6	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°	1.6	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°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	479.5	479.3	479.7	479.7	481.1	480.9	481.6	481.6	481.1	481.4	482.3
5°	481.1	481.8	483.2	484.4	486.5	487.4	488.6	489.8	490.0	490.7	491.4
7.5°	481.1	483.5	485.1	487.2	490.0	491.6	494.2	496.3	497.2	498.4	499.8
10°	480.2	482.5	485.6	487.9	491.4	493.9	496.5	499.8	501.2	503.0	504.9
12.5°	478.3	480.9	484.2	487.2	491.1	493.5	496.7	499.8	501.9	504.4	506.5
15°	475.6	478.6	481.6	484.6	488.8	491.6	494.6	498.1	500.2	503.0	504.9
17.5°	471.1	474.4	477.2	480.0	483.9	487.2	490.0	493.2	495.3	497.7	500.2
20°	465.8	468.8	471.8	474.2	478.1	480.9	483.9	487.0	488.6	489.1	493.0
22.5°	459.0	461.1	463.4	467.2	469.5	472.1	474.9	477.6	479.3	481.8	483.2
25°	447.8	449.9	452.5	454.1	456.9	459.0	461.8	464.8	465.8	467.6	469.0
27.5°	432.3	433.4	434.6	436.0	437.6	438.8	440.4	441.8	442.7	443.7	444.6
30°	407.6	407.6	407.6	406.6	407.3	408.0	408.3	408.0	408.0	407.8	407.8
32.5°	375.0	373.1	371.0	369.2	368.5	367.5	367.1	366.4	365.2	364.5	364.8
35°	331.0	326.8	324.3	321.9	320.1	318.7	318.0	317.3	317.0	316.1	315.2
37.5°	276.1	273.0	271.2	269.8	268.2	266.8	267.0	267.2	267.9	267.5	267.7
40°	217.9	217.2	217.9	216.2	215.8	216.2	217.4	219.0	220.0	220.9	222.5
42.5°	165.7	166.9	168.5	168.5	169.2	170.2	171.5	174.1	175.5	177.1	179.0
45°	124.8	126.2	128.3	129.0	129.4	130.6	132.2	134.3	135.2	136.6	138.3
47.5°	96.1	97.1	98.2	99.4	100.6	101.0	102.7	102.7	103.8	104.7	105.2
50°	75.0	75.9	76.8	77.5	78.0	78.7	79.1	79.8	80.1	80.5	80.8
52.5°	58.7	59.8	59.8	60.3	61.0	61.7	61.5	61.7	61.9	61.9	62.6
55°	45.9	45.9	46.6	46.6	47.0	46.8	47.0	47.0	47.0	47.0	47.3
57.5°	34.2	34.5	35.2	34.7	34.5	34.9	34.5	34.9	34.7	35.2	34.5
60°	26.3	26.3	26.5	26.5	26.8	26.8	26.8	26.5	26.5	26.3	26.3
62.5°	19.8	20.0	20.3	20.0	20.0	20.0	19.8	19.8	19.6	19.3	19.3
65°	13.3	13.0	13.5	13.0	13.3	13.3	13.0	13.3	12.6	12.8	12.6
67.5°	9.5	9.3	9.1	9.3	9.1	8.8	8.8	9.1	9.3	8.6	8.6
70°	6.3	6.5	6.3	6.5	6.8	6.8	6.5	6.3	6.5	6.1	6.3
72.5°	4.0	4.0	4.0	4.0	4.0	4.2	4.2	4.2	3.7	3.7	3.5
75°	1.9	2.6	2.1	1.9	2.6	2.6	2.3	2.3	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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CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	482.1	481.8	482.1	482.3	482.1	481.8	482.1	482.3	481.4	481.1	481.6
5°	492.3	492.3	492.8	493.0	492.8	492.3	492.3	491.4	490.7	490.0	489.8
7.5°	501.2	501.6	502.1	502.3	502.1	501.6	501.2	499.8	498.4	497.2	496.3
10°	506.5	507.2	508.1	508.6	508.1	507.2	506.5	504.9	503.0	501.2	499.8
12.5°	508.8	509.5	510.7	510.5	510.7	509.5	508.8	506.5	504.4	501.9	499.8
15°	507.2	508.1	509.3	509.8	509.3	508.1	507.2	504.9	503.0	500.2	498.1
17.5°	502.1	503.5	504.2	504.9	504.2	503.5	502.1	500.2	497.7	495.3	493.2
20°	495.1	496.0	497.0	497.2	497.0	496.0	495.1	493.0	489.1	488.6	487.0
22.5°	485.1	485.8	487.9	487.2	487.9	485.8	485.1	483.2	481.8	479.3	477.6
25°	470.7	471.4	471.6	471.8	471.6	471.4	470.7	469.0	467.6	465.8	464.8
27.5°	445.8	445.8	446.2	446.5	446.2	445.8	445.8	444.6	443.7	442.7	441.8
30°	408.0	408.0	408.0	409.2	408.0	408.0	408.0	407.8	407.8	408.0	408.0
32.5°	364.5	364.1	363.6	364.1	363.6	364.1	364.5	364.8	364.5	365.2	366.4
35°	315.2	314.9	315.6	314.7	315.6	314.9	315.2	315.2	316.1	317.0	317.3
37.5°	267.9	267.5	268.4	267.5	268.4	267.5	267.9	267.7	267.5	267.9	267.2
40°	223.0	223.5	223.5	225.3	223.5	223.5	223.0	222.5	220.9	220.0	219.0
42.5°	179.9	181.3	180.9	182.3	180.9	181.3	179.9	179.0	177.1	175.5	174.1
45°	139.2	140.1	140.1	140.6	140.1	140.1	139.2	138.3	136.6	135.2	134.3
47.5°	106.8	106.8	106.8	107.1	106.8	106.8	106.8	105.2	104.7	103.8	102.7
50°	81.2	81.5	81.7	81.9	81.7	81.5	81.2	80.8	80.5	80.1	79.8
52.5°	62.4	62.6	62.2	62.6	62.2	62.6	62.4	62.6	61.9	61.9	61.7
55°	47.3	47.0	47.3	47.5	47.3	47.0	47.3	47.3	47.0	47.0	47.0
57.5°	34.7	34.2	34.2	34.2	34.2	34.2	34.7	34.5	35.2	34.7	34.9
60°	25.8	26.1	26.1	26.3	26.1	26.1	25.8	26.3	26.3	26.5	26.5
62.5°	19.1	19.8	19.3	19.8	19.3	19.8	19.1	19.3	19.3	19.6	19.8
65°	12.3	12.3	12.3	12.6	12.3	12.3	12.3	12.6	12.8	12.6	13.3
67.5°	8.4	8.6	9.1	8.8	9.1	8.6	8.4	8.6	8.6	9.3	9.1
70°	6.8	6.1	6.1	6.8	6.1	6.1	6.8	6.3	6.1	6.5	6.3
72.5°	4.0	3.5	4.0	4.0	4.0	3.5	4.0	3.5	3.7	3.7	4.2
75°	2.1	1.9	1.6	2.3	1.6	1.9	2.1	2.1	2.1	2.1	2.3
77.5°	1.4	1.2	1.6	1.6	1.6	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: P245940

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	481.6	480.9	481.1	479.7	479.7	479.3	479.5	478.3	477.9	477.4	478.1
5°	488.6	487.4	486.5	484.4	483.2	481.8	481.1	479.3	477.6	476.2	476.0
7.5°	494.2	491.6	490.0	487.2	485.1	483.5	481.1	478.6	476.5	474.6	473.2
10°	496.5	493.9	491.4	487.9	485.6	482.5	480.2	476.9	474.2	471.6	470.0
12.5°	496.7	493.5	491.1	487.2	484.2	480.9	478.3	474.6	471.4	468.8	466.2
15°	494.6	491.6	488.8	484.6	481.6	478.6	475.6	471.6	468.6	465.5	463.7
17.5°	490.0	487.2	483.9	480.0	477.2	474.4	471.1	467.9	464.4	461.1	458.8
20°	483.9	480.9	478.1	474.2	471.8	468.8	465.8	462.3	459.5	456.2	453.7
22.5°	474.9	472.1	469.5	467.2	463.4	461.1	459.0	455.1	452.3	449.2	446.5
25°	461.8	459.0	456.9	454.1	452.5	449.9	447.8	444.4	441.8	439.0	436.7
27.5°	440.4	438.8	437.6	436.0	434.6	433.4	432.3	429.5	427.6	425.0	422.7
30°	408.3	408.0	407.3	406.6	407.6	407.6	407.6	407.1	405.5	403.6	402.0
32.5°	367.1	367.5	368.5	369.2	371.0	373.1	375.0	375.9	375.9	374.8	374.1
35°	318.0	318.7	320.1	321.9	324.3	326.8	331.0	331.9	332.6	332.6	331.7
37.5°	267.0	266.8	268.2	269.8	271.2	273.0	276.1	276.8	277.9	277.5	276.5
40°	217.4	216.2	215.8	216.2	217.9	217.2	217.9	217.4	217.4	215.8	215.8
42.5°	171.5	170.2	169.2	168.5	168.5	166.9	165.7	164.6	163.9	162.7	162.5
45°	132.2	130.6	129.4	129.0	128.3	126.2	124.8	123.4	121.7	121.3	121.5
47.5°	102.7	101.0	100.6	99.4	98.2	97.1	96.1	94.5	94.3	93.3	94.3
50°	79.1	78.7	78.0	77.5	76.8	75.9	75.0	74.0	73.6	73.6	73.8
52.5°	61.5	61.7	61.0	60.3	59.8	59.8	58.7	58.4	58.4	57.5	58.4
55°	47.0	46.8	47.0	46.6	46.6	45.9	45.9	45.2	45.2	44.5	44.9
57.5°	34.5	34.9	34.5	34.7	35.2	34.5	34.2	33.5	34.0	33.5	33.8
60°	26.8	26.8	26.8	26.5	26.5	26.3	26.3	26.1	26.1	25.6	26.1
62.5°	19.8	20.0	20.0	20.0	20.3	20.0	19.8	20.0	19.8	19.8	20.0
65°	13.0	13.3	13.3	13.0	13.5	13.0	13.3	13.5	13.7	13.5	13.7
67.5°	8.8	8.8	9.1	9.3	9.1	9.3	9.5	9.3	9.5	10.0	9.5
70°	6.5	6.8	6.8	6.5	6.3	6.5	6.3	7.0	7.0	7.0	7.4
72.5°	4.2	4.2	4.0	4.0	4.0	4.0	4.0	4.7	4.2	4.0	4.4
75°	2.3	2.6	2.6	1.9	2.1	2.6	1.9	2.1	2.8	2.3	2.8
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.6	1.6	1.6	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: P245940

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	476.2	476.2	476.0	475.6	474.6	474.6	474.4	473.7	473.2	473.0	473.0
5°	473.9	473.0	472.1	469.5	469.5	469.0	467.6	466.7	466.2	465.1	464.6
7.5°	471.8	469.0	467.4	465.8	463.7	462.7	461.1	460.4	458.8	457.6	456.9
10°	466.7	464.8	462.7	460.2	458.6	456.7	454.8	453.4	451.3	450.2	449.2
12.5°	463.2	460.4	458.6	455.8	453.0	451.3	448.8	447.2	445.1	442.7	441.3
15°	460.0	456.9	454.4	451.3	448.3	446.5	443.4	441.6	438.5	436.2	434.6
17.5°	455.1	452.5	449.7	446.0	443.2	440.9	437.6	435.3	432.5	429.5	427.8
20°	449.9	446.9	444.1	440.4	437.6	434.8	431.6	429.0	425.7	422.9	421.1
22.5°	443.2	439.7	437.4	433.6	430.4	427.4	424.3	421.3	418.3	416.0	413.9
25°	433.4	429.7	427.1	424.1	421.1	418.8	415.0	413.2	410.1	408.0	405.9
27.5°	419.4	416.7	414.3	411.3	408.7	406.9	404.1	402.2	399.7	397.8	396.2
30°	399.0	396.6	394.5	391.5	389.7	388.0	385.5	383.8	382.0	379.9	379.4
32.5°	371.5	369.6	367.5	365.5	364.1	363.1	361.0	360.1	358.2	357.1	355.9
35°	330.1	328.4	327.3	326.4	325.9	326.1	325.7	326.6	327.0	326.8	327.0
37.5°	275.8	274.9	275.4	276.1	278.4	281.4	284.2	288.4	291.2	294.0	296.6
40°	215.3	216.0	217.9	222.1	228.1	234.9	241.2	249.1	257.0	262.6	267.7
42.5°	162.5	164.6	169.2	175.3	184.4	194.4	204.1	215.8	225.3	234.6	241.2
45°	122.2	125.0	131.0	139.4	149.4	161.1	173.4	186.4	197.9	207.4	214.6
47.5°	95.2	97.8	103.8	112.7	125.0	137.1	149.9	163.4	175.3	184.6	190.9
50°	75.2	78.4	83.8	93.1	105.4	118.2	131.5	144.8	156.0	163.9	169.5
52.5°	59.1	62.2	67.3	77.1	89.6	102.4	114.8	127.8	137.6	145.2	149.0
55°	45.9	48.7	54.0	62.2	74.0	86.6	98.9	110.1	119.2	124.8	128.3
57.5°	34.9	37.0	40.7	48.9	59.6	71.2	81.7	92.9	99.9	103.8	106.1
60°	26.5	28.2	32.1	38.4	48.2	58.2	67.0	75.4	81.0	84.3	86.6
62.5°	20.0	21.9	24.7	30.0	37.5	45.6	53.1	59.4	64.0	66.1	67.7
65°	13.7	15.1	17.2	21.4	27.7	33.5	39.3	44.0	47.0	49.4	50.3
67.5°	10.2	11.2	12.3	15.6	20.0	24.7	28.6	31.9	35.2	36.1	37.7
70°	7.7	8.4	9.5	11.9	14.4	17.7	21.0	22.8	25.1	26.8	27.2
72.5°	4.9	5.1	6.3	7.7	9.8	11.9	14.0	15.6	17.0	17.9	18.4
75°	2.8	4.2	4.2	5.6	7.0	7.9	9.3	10.5	11.2	11.9	11.9
77.5°	1.9	2.6	2.8	3.5	4.2	5.4	6.5	7.2	7.9	8.1	8.1
80°	1.6	1.9	1.9	2.6	3.0	4.0	4.7	4.9	5.4	5.6	6.1
82.5°	0.7	0.9	1.2	1.9	2.1	2.1	2.8	3.0	3.5	3.7	3.7
85°	0.2	0.5	0.5	0.7	1.2	1.4	1.6	1.9	2.1	2.1	2.3
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: P245940

CATALOG NUMBER: LD8B10D010 ER8B10950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	472.5	472.8	471.8	471.6	471.1	471.4	471.8
5°	463.9	464.1	463.2	462.3	462.3	462.0	462.3
7.5°	455.8	456.0	454.6	454.1	453.2	453.4	453.4
10°	447.6	447.6	445.5	445.3	444.6	444.4	444.4
12.5°	439.7	439.0	437.4	436.4	436.9	435.5	435.5
15°	432.7	431.6	429.5	428.8	427.6	427.1	427.1
17.5°	425.5	424.6	422.7	421.3	419.9	419.7	419.9
20°	418.5	417.6	415.3	414.3	413.2	413.2	412.7
22.5°	411.5	410.6	408.5	407.8	406.2	406.2	406.4
25°	404.3	403.6	401.3	400.8	400.6	399.7	400.1
27.5°	394.5	394.1	392.2	391.5	390.6	390.4	390.8
30°	376.6	375.9	374.5	373.8	372.2	372.4	372.9
32.5°	354.3	353.3	351.5	350.8	349.4	348.9	349.2
35°	326.4	325.7	324.0	324.0	322.6	322.2	322.6
37.5°	298.0	298.6	298.0	298.6	298.0	297.7	298.0
40°	271.2	273.7	274.2	276.8	275.8	277.2	277.0
42.5°	245.6	249.8	251.4	253.5	253.0	254.0	254.7
45°	219.7	223.2	224.9	226.3	226.5	227.0	227.2
47.5°	195.3	198.1	198.3	199.9	199.7	199.7	200.4
50°	172.5	174.3	174.8	176.0	175.0	174.6	174.8
52.5°	151.3	153.2	152.7	153.2	152.0	151.5	151.8
55°	129.7	130.6	130.6	130.6	129.2	129.2	129.2
57.5°	107.5	107.8	107.3	107.5	107.3	105.9	105.7
60°	87.3	87.3	87.1	87.3	86.6	85.9	85.9
62.5°	68.2	68.7	69.6	68.7	68.2	68.7	68.0
65°	51.0	51.9	51.7	52.1	51.9	51.9	51.4
67.5°	38.4	38.6	38.9	39.1	39.1	39.1	39.1
70°	28.2	28.9	28.6	28.6	28.6	28.6	30.0
72.5°	18.9	19.8	19.6	20.0	20.0	20.5	20.0
75°	12.8	13.7	13.3	14.0	13.7	13.3	14.4
77.5°	8.6	9.1	9.3	9.5	9.3	9.1	9.3
80°	6.1	6.5	6.3	6.5	6.5	6.5	6.8
82.5°	3.7	4.4	4.2	4.4	4.2	4.4	4.4
85°	2.6	2.8	2.3	2.8	2.6	2.6	3.0
87.5°	1.6	1.4	1.4	1.6	1.4	1.6	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)