

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: **LD8B10D010 ER8B109727 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: LD8B10D010 ER8B109727 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 787.0 lumens  
Efficiency: N/A  
Efficacy: 77.2 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

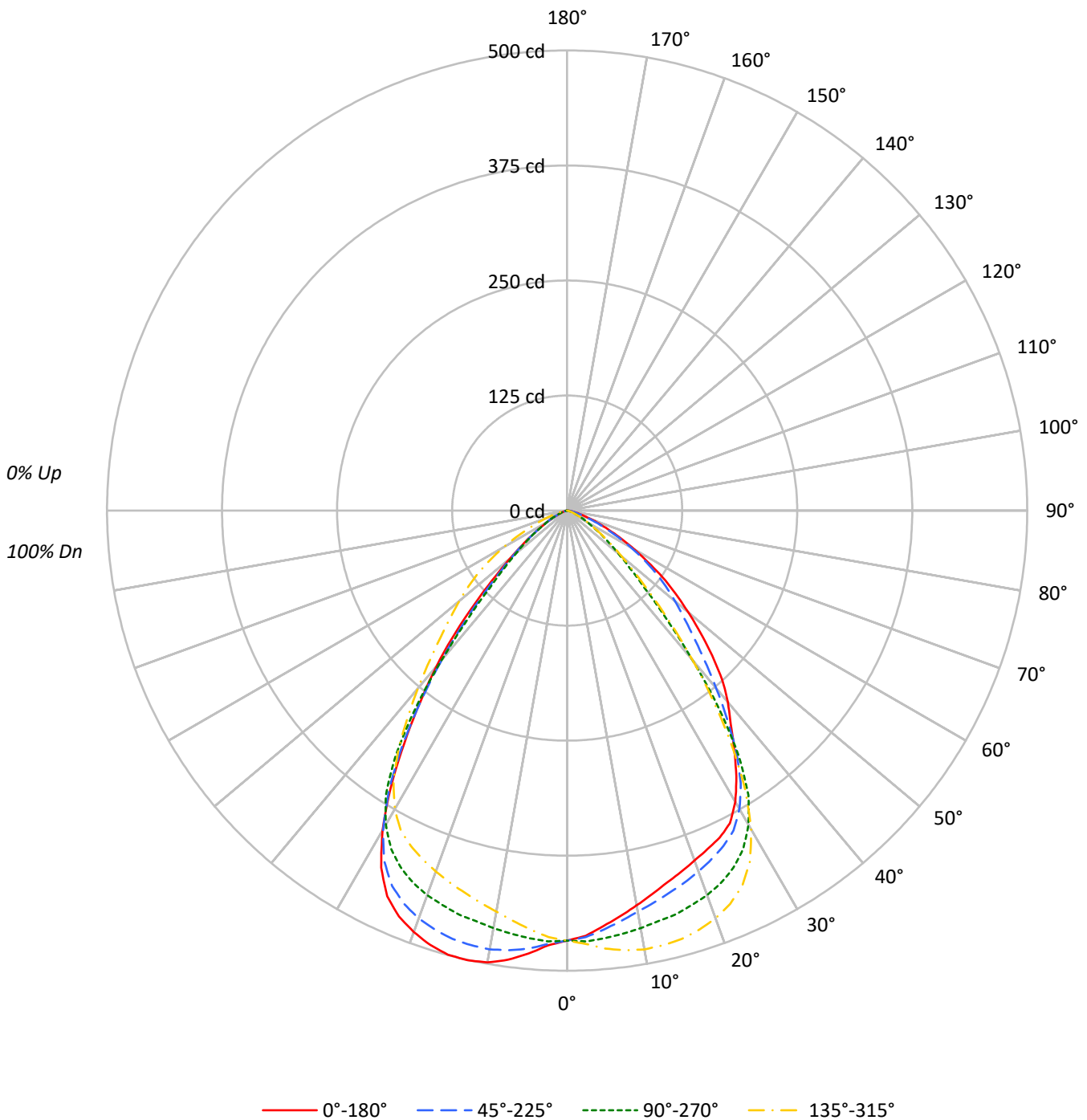
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	14407	14407	14407	14407
5°	14025	14440	14957	14440
10°	13636	14422	15609	14422
15°	13363	14506	15949	14506
20°	13274	14590	15991	14590
25°	13344	14562	15733	14562
30°	13014	14029	14282	14029
35°	11903	12238	11609	12238
40°	10929	8514	8888	8514
45°	9712	5194	6009	5194
50°	8218	3468	3852	3468
55°	6806	2366	2500	2366
60°	5193	1579	1591	1579
65°	3677	985	897	985
70°	2651	658	595	658
75°	1680	322	274	322
80°	1172	249	195	249
85°	1061	0	71	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.5	5.7
10°-20°	128.8	16.4
20°-30°	195.0	24.8
30°-40°	195.4	24.8
40°-50°	122.7	15.6
50°-60°	65.4	8.3
60°-70°	26.9	3.4
70°-80°	7.1	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°	368.2	46.8
0°-40°	563.7	71.6
0°-60°	751.8	95.5
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	467	467	467	467	467	
5°	453	466	483	466	453	43
15°	419	454	500	454	419	118
25°	392	428	462	428	392	180
35°	316	325	308	325	316	198
45°	223	119	138	119	223	171
55°	127	44	46	44	127	113
65°	50	14	12	14	50	52
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°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	462.4	462.0	461.7	462.2	462.4	463.3	463.1	463.6	463.6	463.8	464.2
5°	453.1	452.8	453.1	453.1	454.0	454.9	454.7	455.4	455.8	457.0	457.4
7.5°	444.4	444.4	444.2	445.1	445.5	446.9	446.7	447.8	448.5	449.6	451.2
10°	435.5	435.5	435.7	436.4	436.7	438.7	438.7	440.3	441.2	442.4	444.4
12.5°	426.8	426.8	428.2	427.8	428.7	430.3	430.9	432.5	433.9	436.2	438.2
15°	418.6	418.6	419.1	420.2	420.9	423.0	424.1	425.9	427.5	429.8	432.8
17.5°	411.6	411.3	411.6	412.9	414.3	416.1	417.0	419.3	420.9	423.9	426.6
20°	404.5	404.9	404.9	406.1	407.0	409.3	410.2	412.7	414.5	417.3	420.5
22.5°	398.3	398.1	398.1	399.7	400.4	402.4	403.3	405.6	407.7	410.0	412.9
25°	392.2	391.7	392.6	392.8	393.3	395.6	396.3	397.9	399.9	402.0	404.9
27.5°	383.0	382.6	382.8	383.7	384.4	386.2	386.7	388.3	389.9	391.7	394.2
30°	365.5	365.0	364.8	366.4	367.1	368.4	369.1	371.9	372.3	374.4	376.2
32.5°	342.2	342.0	342.4	343.8	344.5	346.3	347.2	348.8	350.0	351.1	352.9
35°	316.2	315.7	316.2	317.6	317.6	319.2	319.8	320.5	320.3	320.5	320.1
37.5°	292.0	291.8	292.0	292.7	292.0	292.7	292.0	290.6	288.1	285.4	282.7
40°	271.5	271.7	270.3	271.3	268.7	268.3	265.8	262.4	257.3	251.9	244.1
42.5°	249.6	248.9	248.0	248.4	246.4	244.8	240.7	236.4	230.0	220.8	211.5
45°	222.7	222.4	222.0	221.7	220.4	218.8	215.4	210.3	203.3	193.9	182.7
47.5°	196.4	195.7	195.7	196.0	194.4	194.1	191.4	187.1	180.9	171.8	160.1
50°	171.3	171.1	171.6	172.5	171.3	170.9	169.1	166.1	160.6	152.9	141.9
52.5°	148.7	148.5	149.0	150.1	149.7	150.1	148.3	146.0	142.4	134.8	125.2
55°	126.6	126.6	126.6	128.0	128.0	128.0	127.1	125.7	122.3	116.8	107.9
57.5°	103.6	103.8	105.2	105.4	105.2	105.6	105.4	104.0	101.8	97.9	91.0
60°	84.2	84.2	84.9	85.6	85.3	85.6	85.6	84.9	82.6	79.4	73.9
62.5°	66.6	67.3	66.8	67.3	68.2	67.3	66.8	66.4	64.8	62.7	58.2
65°	50.4	50.9	50.9	51.1	50.6	50.9	50.0	49.3	48.4	46.1	43.1
67.5°	38.3	38.3	38.3	38.3	38.1	37.9	37.6	37.0	35.4	34.5	31.3
70°	29.4	28.1	28.1	28.1	28.1	28.3	27.6	26.7	26.2	24.6	22.4
72.5°	19.6	20.1	19.6	19.6	19.2	19.4	18.5	18.0	17.6	16.7	15.3
75°	14.1	13.0	13.5	13.7	13.0	13.5	12.5	11.6	11.6	10.9	10.3
77.5°	9.1	8.9	9.1	9.4	9.1	8.9	8.4	8.0	8.0	7.8	7.1
80°	6.6	6.4	6.4	6.4	6.2	6.4	5.9	5.9	5.5	5.2	4.8
82.5°	4.3	4.3	4.1	4.3	4.1	4.3	3.7	3.7	3.7	3.4	3.0
85°	3.0	2.5	2.5	2.7	2.3	2.7	2.5	2.3	2.1	2.1	1.8
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°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	464.9	465.2	465.2	466.1	466.5	466.8	466.8	468.6	467.9	468.4	468.8
5°	458.3	459.7	460.1	460.1	462.7	463.6	464.5	466.5	466.8	468.1	469.7
7.5°	451.9	453.5	454.4	456.5	458.1	459.7	462.4	463.8	465.2	467.0	469.0
10°	445.8	447.6	449.4	451.0	453.5	455.6	457.4	460.6	462.2	464.7	467.4
12.5°	439.8	442.4	443.9	446.7	449.4	451.2	454.0	457.0	459.5	462.0	465.2
15°	434.6	437.6	439.4	442.4	445.3	447.8	450.8	454.4	456.3	459.2	462.2
17.5°	428.9	432.1	434.4	437.1	440.8	443.5	446.0	449.6	451.9	455.1	458.5
20°	423.0	426.2	428.9	431.6	435.3	438.0	441.0	444.6	447.1	450.3	453.1
22.5°	415.9	418.9	421.8	425.0	428.7	430.9	434.4	437.6	440.3	443.3	446.0
25°	406.8	410.4	412.7	415.7	418.6	421.1	424.8	428.0	430.3	433.0	435.5
27.5°	396.0	398.8	400.6	403.1	406.1	408.4	411.1	414.3	416.6	419.1	420.9
30°	377.8	380.3	381.9	383.7	386.7	388.7	391.0	394.0	395.6	397.4	399.0
32.5°	353.8	355.9	356.8	358.2	360.2	362.3	364.1	366.6	367.3	368.4	368.4
35°	319.2	319.6	319.4	319.8	320.8	321.9	323.5	325.1	326.0	326.0	325.3
37.5°	278.5	275.8	272.8	270.6	269.9	269.4	270.3	271.0	271.9	272.4	271.3
40°	236.4	230.2	223.6	217.6	213.5	211.7	211.0	211.5	211.5	213.1	213.1
42.5°	200.1	190.5	180.7	171.8	165.8	161.3	159.2	159.2	159.5	160.6	161.3
45°	170.0	157.9	146.5	136.7	128.4	122.5	119.8	119.1	118.9	119.3	120.9
47.5°	146.9	134.4	122.5	110.4	101.8	95.8	93.3	92.4	91.5	92.4	92.6
50°	128.9	115.9	103.3	91.3	82.1	76.9	73.7	72.3	72.1	72.1	72.5
52.5°	112.5	100.4	87.8	75.5	65.9	60.9	57.9	57.3	56.4	57.3	57.3
55°	97.0	84.9	72.5	60.9	52.9	47.7	44.9	44.0	43.6	44.3	44.3
57.5°	80.1	69.8	58.4	47.9	39.9	36.3	34.2	33.1	32.8	33.3	32.8
60°	65.7	57.0	47.2	37.6	31.5	27.6	26.0	25.6	25.1	25.6	25.6
62.5°	52.0	44.7	36.7	29.4	24.2	21.4	19.6	19.6	19.4	19.4	19.6
65°	38.6	32.8	27.1	21.0	16.9	14.8	13.5	13.5	13.2	13.5	13.2
67.5°	28.1	24.2	19.6	15.3	12.1	10.9	10.0	9.4	9.8	9.4	9.1
70°	20.5	17.3	14.1	11.6	9.4	8.2	7.5	7.3	6.8	6.8	6.8
72.5°	13.7	11.6	9.6	7.5	6.2	5.0	4.8	4.3	3.9	4.1	4.6
75°	9.1	7.8	6.8	5.5	4.1	4.1	2.7	2.7	2.3	2.7	2.1
77.5°	6.4	5.2	4.1	3.4	2.7	2.5	1.8	1.8	1.6	1.6	1.6
80°	4.6	3.9	3.0	2.5	1.8	1.8	1.6	1.4	1.1	1.1	1.4
82.5°	2.7	2.1	2.1	1.8	1.1	0.9	0.7	0.9	0.5	0.5	0.5
85°	1.6	1.4	1.1	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°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	470.0	469.7	470.2	470.2	471.6	471.3	472.0	472.0	471.6	471.8	472.7
5°	471.6	472.2	473.6	474.7	476.8	477.7	478.9	480.0	480.2	480.9	481.6
7.5°	471.6	473.8	475.4	477.5	480.2	481.8	484.3	486.4	487.3	488.4	489.8
10°	470.6	472.9	475.9	478.2	481.6	484.1	486.6	489.8	491.2	493.0	494.8
12.5°	468.8	471.3	474.5	477.5	481.4	483.6	486.8	489.8	491.9	494.4	496.4
15°	466.1	469.0	472.0	475.0	479.1	481.8	484.8	488.2	490.3	493.0	494.8
17.5°	461.7	464.9	467.7	470.4	474.3	477.5	480.2	483.4	485.5	487.8	490.3
20°	456.5	459.5	462.4	464.7	468.6	471.3	474.3	477.3	478.9	479.3	483.2
22.5°	449.9	451.9	454.2	457.9	460.1	462.7	465.4	468.1	469.7	472.2	473.6
25°	438.9	441.0	443.5	445.1	447.8	449.9	452.6	455.6	456.5	458.3	459.7
27.5°	423.6	424.8	425.9	427.3	428.9	430.0	431.6	433.0	433.9	434.8	435.7
30°	399.5	399.5	399.5	398.5	399.2	399.9	400.1	399.9	399.9	399.7	399.7
32.5°	367.5	365.7	363.6	361.8	361.1	360.2	359.8	359.1	357.9	357.3	357.5
35°	324.4	320.3	317.8	315.5	313.7	312.3	311.6	310.9	310.7	309.8	308.9
37.5°	270.6	267.6	265.8	264.4	262.8	261.4	261.7	261.9	262.6	262.1	262.4
40°	213.5	212.8	213.5	211.9	211.5	211.9	213.1	214.7	215.6	216.5	218.1
42.5°	162.4	163.6	165.2	165.2	165.8	166.8	168.1	170.6	172.0	173.6	175.4
45°	122.3	123.6	125.7	126.4	126.8	128.0	129.6	131.6	132.5	133.9	135.5
47.5°	94.2	95.1	96.3	97.4	98.5	99.0	100.6	100.6	101.8	102.7	103.1
50°	73.5	74.4	75.3	76.0	76.4	77.1	77.6	78.2	78.5	78.9	79.2
52.5°	57.5	58.6	58.6	59.1	59.8	60.5	60.2	60.5	60.7	60.7	61.4
55°	44.9	44.9	45.6	45.6	46.1	45.9	46.1	46.1	46.1	46.1	46.3
57.5°	33.5	33.8	34.5	34.0	33.8	34.2	33.8	34.2	34.0	34.5	33.8
60°	25.8	25.8	26.0	26.0	26.2	26.2	26.2	26.0	26.0	25.8	25.8
62.5°	19.4	19.6	19.9	19.6	19.6	19.6	19.4	19.4	19.2	18.9	18.9
65°	13.0	12.8	13.2	12.8	13.0	13.0	12.8	13.0	12.3	12.5	12.3
67.5°	9.4	9.1	8.9	9.1	8.9	8.7	8.7	8.9	9.1	8.4	8.4
70°	6.2	6.4	6.2	6.4	6.6	6.6	6.4	6.2	6.4	5.9	6.2
72.5°	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	3.7	3.7	3.4
75°	1.8	2.5	2.1	1.8	2.5	2.5	2.3	2.3	2.1	2.1	2.1
77.5°	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	1.4	1.1
80°	0.9	0.9	0.9	0.7	0.9	0.9	1.1	0.9	0.9	0.7	1.1
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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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	472.5	472.2	472.5	472.7	472.5	472.2	472.5	472.7	471.8	471.6	472.0
5°	482.5	482.5	483.0	483.2	483.0	482.5	482.5	481.6	480.9	480.2	480.0
7.5°	491.2	491.6	492.1	492.3	492.1	491.6	491.2	489.8	488.4	487.3	486.4
10°	496.4	497.1	498.0	498.5	498.0	497.1	496.4	494.8	493.0	491.2	489.8
12.5°	498.7	499.4	500.5	500.3	500.5	499.4	498.7	496.4	494.4	491.9	489.8
15°	497.1	498.0	499.2	499.6	499.2	498.0	497.1	494.8	493.0	490.3	488.2
17.5°	492.1	493.5	494.1	494.8	494.1	493.5	492.1	490.3	487.8	485.5	483.4
20°	485.2	486.2	487.1	487.3	487.1	486.2	485.2	483.2	479.3	478.9	477.3
22.5°	475.4	476.1	478.2	477.5	478.2	476.1	475.4	473.6	472.2	469.7	468.1
25°	461.3	462.0	462.2	462.4	462.2	462.0	461.3	459.7	458.3	456.5	455.6
27.5°	436.9	436.9	437.3	437.6	437.3	436.9	436.9	435.7	434.8	433.9	433.0
30°	399.9	399.9	399.9	401.1	399.9	399.9	399.9	399.7	399.7	399.9	399.9
32.5°	357.3	356.8	356.3	356.8	356.3	356.8	357.3	357.5	357.3	357.9	359.1
35°	308.9	308.7	309.3	308.4	309.3	308.7	308.9	308.9	309.8	310.7	310.9
37.5°	262.6	262.1	263.0	262.1	263.0	262.1	262.6	262.4	262.1	262.6	261.9
40°	218.6	219.0	219.0	220.8	219.0	219.0	218.6	218.1	216.5	215.6	214.7
42.5°	176.3	177.7	177.3	178.6	177.3	177.7	176.3	175.4	173.6	172.0	170.6
45°	136.4	137.3	137.3	137.8	137.3	137.3	136.4	135.5	133.9	132.5	131.6
47.5°	104.7	104.7	104.7	104.9	104.7	104.7	104.7	103.1	102.7	101.8	100.6
50°	79.6	79.8	80.1	80.3	80.1	79.8	79.6	79.2	78.9	78.5	78.2
52.5°	61.1	61.4	60.9	61.4	60.9	61.4	61.1	61.4	60.7	60.7	60.5
55°	46.3	46.1	46.3	46.5	46.3	46.1	46.3	46.3	46.1	46.1	46.1
57.5°	34.0	33.5	33.5	33.5	33.5	33.5	34.0	33.8	34.5	34.0	34.2
60°	25.3	25.6	25.6	25.8	25.6	25.6	25.3	25.8	25.8	26.0	26.0
62.5°	18.7	19.4	18.9	19.4	18.9	19.4	18.7	18.9	18.9	19.2	19.4
65°	12.1	12.1	12.1	12.3	12.1	12.1	12.1	12.3	12.5	12.3	13.0
67.5°	8.2	8.4	8.9	8.7	8.9	8.4	8.2	8.4	8.4	9.1	8.9
70°	6.6	5.9	5.9	6.6	5.9	5.9	6.6	6.2	5.9	6.4	6.2
72.5°	3.9	3.4	3.9	3.9	3.9	3.4	3.9	3.4	3.7	3.7	4.1
75°	2.1	1.8	1.6	2.3	1.6	1.8	2.1	2.1	2.1	2.1	2.3
77.5°	1.4	1.1	1.6	1.6	1.6	1.1	1.4	1.1	1.4	1.1	1.4
80°	0.7	0.9	0.7	1.1	0.7	0.9	0.7	1.1	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: P245010

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	472.0	471.3	471.6	470.2	470.2	469.7	470.0	468.8	468.4	467.9	468.6
5°	478.9	477.7	476.8	474.7	473.6	472.2	471.6	469.7	468.1	466.8	466.5
7.5°	484.3	481.8	480.2	477.5	475.4	473.8	471.6	469.0	467.0	465.2	463.8
10°	486.6	484.1	481.6	478.2	475.9	472.9	470.6	467.4	464.7	462.2	460.6
12.5°	486.8	483.6	481.4	477.5	474.5	471.3	468.8	465.2	462.0	459.5	457.0
15°	484.8	481.8	479.1	475.0	472.0	469.0	466.1	462.2	459.2	456.3	454.4
17.5°	480.2	477.5	474.3	470.4	467.7	464.9	461.7	458.5	455.1	451.9	449.6
20°	474.3	471.3	468.6	464.7	462.4	459.5	456.5	453.1	450.3	447.1	444.6
22.5°	465.4	462.7	460.1	457.9	454.2	451.9	449.9	446.0	443.3	440.3	437.6
25°	452.6	449.9	447.8	445.1	443.5	441.0	438.9	435.5	433.0	430.3	428.0
27.5°	431.6	430.0	428.9	427.3	425.9	424.8	423.6	420.9	419.1	416.6	414.3
30°	400.1	399.9	399.2	398.5	399.5	399.5	399.5	399.0	397.4	395.6	394.0
32.5°	359.8	360.2	361.1	361.8	363.6	365.7	367.5	368.4	368.4	367.3	366.6
35°	311.6	312.3	313.7	315.5	317.8	320.3	324.4	325.3	326.0	326.0	325.1
37.5°	261.7	261.4	262.8	264.4	265.8	267.6	270.6	271.3	272.4	271.9	271.0
40°	213.1	211.9	211.5	211.9	213.5	212.8	213.5	213.1	213.1	211.5	211.5
42.5°	168.1	166.8	165.8	165.2	165.2	163.6	162.4	161.3	160.6	159.5	159.2
45°	129.6	128.0	126.8	126.4	125.7	123.6	122.3	120.9	119.3	118.9	119.1
47.5°	100.6	99.0	98.5	97.4	96.3	95.1	94.2	92.6	92.4	91.5	92.4
50°	77.6	77.1	76.4	76.0	75.3	74.4	73.5	72.5	72.1	72.1	72.3
52.5°	60.2	60.5	59.8	59.1	58.6	58.6	57.5	57.3	57.3	56.4	57.3
55°	46.1	45.9	46.1	45.6	45.6	44.9	44.9	44.3	44.3	43.6	44.0
57.5°	33.8	34.2	33.8	34.0	34.5	33.8	33.5	32.8	33.3	32.8	33.1
60°	26.2	26.2	26.2	26.0	26.0	25.8	25.8	25.6	25.6	25.1	25.6
62.5°	19.4	19.6	19.6	19.6	19.9	19.6	19.4	19.6	19.4	19.4	19.6
65°	12.8	13.0	13.0	12.8	13.2	12.8	13.0	13.2	13.5	13.2	13.5
67.5°	8.7	8.7	8.9	9.1	8.9	9.1	9.4	9.1	9.4	9.8	9.4
70°	6.4	6.6	6.6	6.4	6.2	6.4	6.2	6.8	6.8	6.8	7.3
72.5°	4.1	4.1	3.9	3.9	3.9	3.9	3.9	4.6	4.1	3.9	4.3
75°	2.3	2.5	2.5	1.8	2.1	2.5	1.8	2.1	2.7	2.3	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.8	1.6	1.6	1.6	1.8
80°	1.1	0.9	0.9	0.7	0.9	0.9	0.9	1.4	1.1	1.1	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: P245010

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	466.8	466.8	466.5	466.1	465.2	465.2	464.9	464.2	463.8	463.6	463.6
5°	464.5	463.6	462.7	460.1	460.1	459.7	458.3	457.4	457.0	455.8	455.4
7.5°	462.4	459.7	458.1	456.5	454.4	453.5	451.9	451.2	449.6	448.5	447.8
10°	457.4	455.6	453.5	451.0	449.4	447.6	445.8	444.4	442.4	441.2	440.3
12.5°	454.0	451.2	449.4	446.7	443.9	442.4	439.8	438.2	436.2	433.9	432.5
15°	450.8	447.8	445.3	442.4	439.4	437.6	434.6	432.8	429.8	427.5	425.9
17.5°	446.0	443.5	440.8	437.1	434.4	432.1	428.9	426.6	423.9	420.9	419.3
20°	441.0	438.0	435.3	431.6	428.9	426.2	423.0	420.5	417.3	414.5	412.7
22.5°	434.4	430.9	428.7	425.0	421.8	418.9	415.9	412.9	410.0	407.7	405.6
25°	424.8	421.1	418.6	415.7	412.7	410.4	406.8	404.9	402.0	399.9	397.9
27.5°	411.1	408.4	406.1	403.1	400.6	398.8	396.0	394.2	391.7	389.9	388.3
30°	391.0	388.7	386.7	383.7	381.9	380.3	377.8	376.2	374.4	372.3	371.9
32.5°	364.1	362.3	360.2	358.2	356.8	355.9	353.8	352.9	351.1	350.0	348.8
35°	323.5	321.9	320.8	319.8	319.4	319.6	319.2	320.1	320.5	320.3	320.5
37.5°	270.3	269.4	269.9	270.6	272.8	275.8	278.5	282.7	285.4	288.1	290.6
40°	211.0	211.7	213.5	217.6	223.6	230.2	236.4	244.1	251.9	257.3	262.4
42.5°	159.2	161.3	165.8	171.8	180.7	190.5	200.1	211.5	220.8	230.0	236.4
45°	119.8	122.5	128.4	136.7	146.5	157.9	170.0	182.7	193.9	203.3	210.3
47.5°	93.3	95.8	101.8	110.4	122.5	134.4	146.9	160.1	171.8	180.9	187.1
50°	73.7	76.9	82.1	91.3	103.3	115.9	128.9	141.9	152.9	160.6	166.1
52.5°	57.9	60.9	65.9	75.5	87.8	100.4	112.5	125.2	134.8	142.4	146.0
55°	44.9	47.7	52.9	60.9	72.5	84.9	97.0	107.9	116.8	122.3	125.7
57.5°	34.2	36.3	39.9	47.9	58.4	69.8	80.1	91.0	97.9	101.8	104.0
60°	26.0	27.6	31.5	37.6	47.2	57.0	65.7	73.9	79.4	82.6	84.9
62.5°	19.6	21.4	24.2	29.4	36.7	44.7	52.0	58.2	62.7	64.8	66.4
65°	13.5	14.8	16.9	21.0	27.1	32.8	38.6	43.1	46.1	48.4	49.3
67.5°	10.0	10.9	12.1	15.3	19.6	24.2	28.1	31.3	34.5	35.4	37.0
70°	7.5	8.2	9.4	11.6	14.1	17.3	20.5	22.4	24.6	26.2	26.7
72.5°	4.8	5.0	6.2	7.5	9.6	11.6	13.7	15.3	16.7	17.6	18.0
75°	2.7	4.1	4.1	5.5	6.8	7.8	9.1	10.3	10.9	11.6	11.6
77.5°	1.8	2.5	2.7	3.4	4.1	5.2	6.4	7.1	7.8	8.0	8.0
80°	1.6	1.8	1.8	2.5	3.0	3.9	4.6	4.8	5.2	5.5	5.9
82.5°	0.7	0.9	1.1	1.8	2.1	2.1	2.7	3.0	3.4	3.7	3.7
85°	0.2	0.5	0.5	0.7	1.1	1.4	1.6	1.8	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: P245010

CATALOG NUMBER: LD8B10D010 ER8B109727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	463.1	463.3	462.4	462.2	461.7	462.0	462.4
5°	454.7	454.9	454.0	453.1	453.1	452.8	453.1
7.5°	446.7	446.9	445.5	445.1	444.2	444.4	444.4
10°	438.7	438.7	436.7	436.4	435.7	435.5	435.5
12.5°	430.9	430.3	428.7	427.8	428.2	426.8	426.8
15°	424.1	423.0	420.9	420.2	419.1	418.6	418.6
17.5°	417.0	416.1	414.3	412.9	411.6	411.3	411.6
20°	410.2	409.3	407.0	406.1	404.9	404.9	404.5
22.5°	403.3	402.4	400.4	399.7	398.1	398.1	398.3
25°	396.3	395.6	393.3	392.8	392.6	391.7	392.2
27.5°	386.7	386.2	384.4	383.7	382.8	382.6	383.0
30°	369.1	368.4	367.1	366.4	364.8	365.0	365.5
32.5°	347.2	346.3	344.5	343.8	342.4	342.0	342.2
35°	319.8	319.2	317.6	317.6	316.2	315.7	316.2
37.5°	292.0	292.7	292.0	292.7	292.0	291.8	292.0
40°	265.8	268.3	268.7	271.3	270.3	271.7	271.5
42.5°	240.7	244.8	246.4	248.4	248.0	248.9	249.6
45°	215.4	218.8	220.4	221.7	222.0	222.4	222.7
47.5°	191.4	194.1	194.4	196.0	195.7	195.7	196.4
50°	169.1	170.9	171.3	172.5	171.6	171.1	171.3
52.5°	148.3	150.1	149.7	150.1	149.0	148.5	148.7
55°	127.1	128.0	128.0	128.0	126.6	126.6	126.6
57.5°	105.4	105.6	105.2	105.4	105.2	103.8	103.6
60°	85.6	85.6	85.3	85.6	84.9	84.2	84.2
62.5°	66.8	67.3	68.2	67.3	66.8	67.3	66.6
65°	50.0	50.9	50.6	51.1	50.9	50.9	50.4
67.5°	37.6	37.9	38.1	38.3	38.3	38.3	38.3
70°	27.6	28.3	28.1	28.1	28.1	28.1	29.4
72.5°	18.5	19.4	19.2	19.6	19.6	20.1	19.6
75°	12.5	13.5	13.0	13.7	13.5	13.0	14.1
77.5°	8.4	8.9	9.1	9.4	9.1	8.9	9.1
80°	5.9	6.4	6.2	6.4	6.4	6.4	6.6
82.5°	3.7	4.3	4.1	4.3	4.1	4.3	4.3
85°	2.5	2.7	2.3	2.7	2.5	2.5	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)