

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: P244974

Luminaire Tested: **LD8B10D010 ER8B10850 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244974  
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 ER8B10850 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1145.0 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

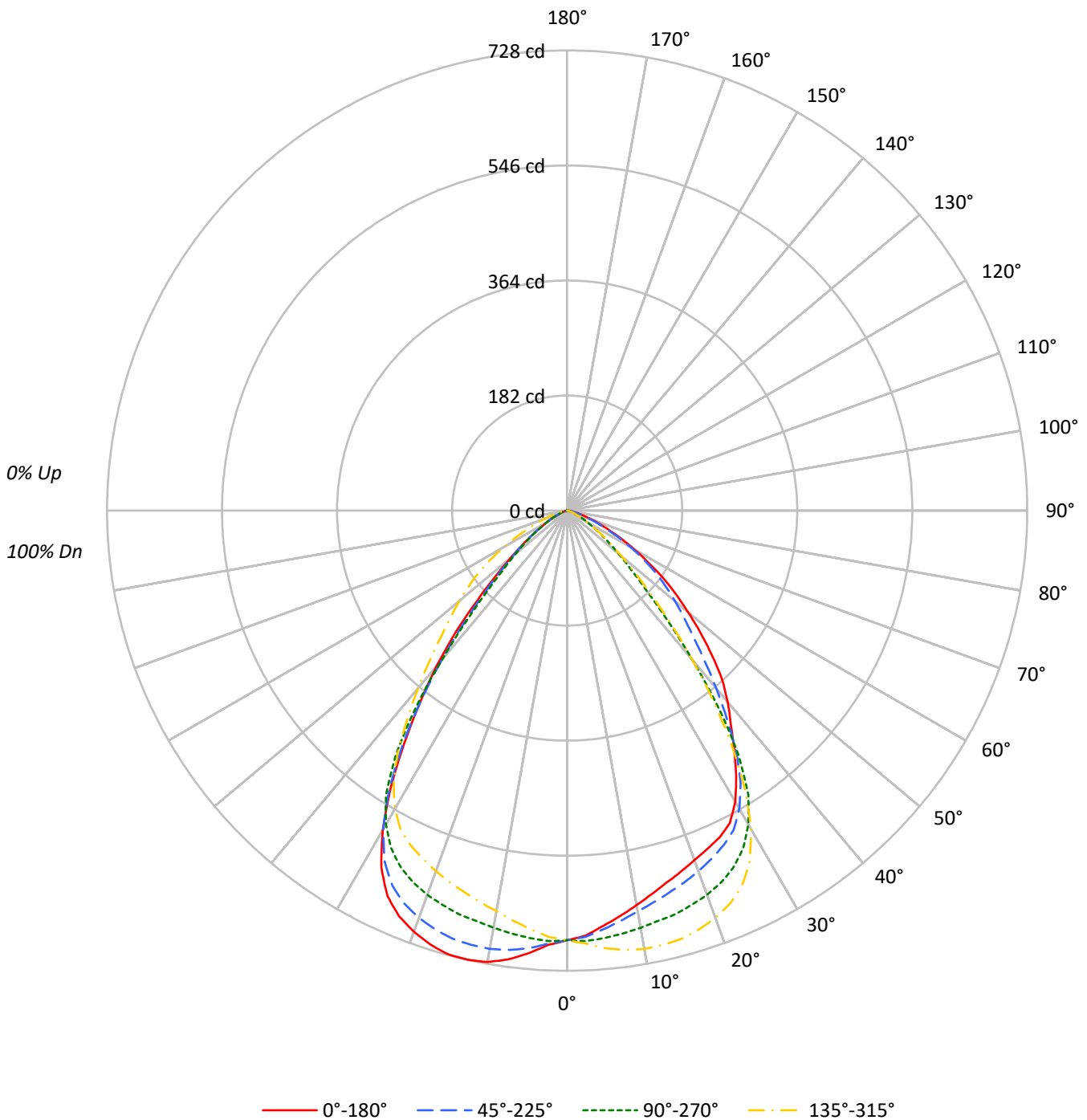
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	20963	20963	20963	20963
5°	20405	21012	21761	21012
10°	19839	20982	22707	20982
15°	19445	21108	23206	21108
20°	19312	21228	23266	21228
25°	19414	21187	22891	21187
30°	18932	20410	20777	20410
35°	17316	17806	16891	17806
40°	15900	12386	12934	12386
45°	14125	7557	8744	7557
50°	11960	5047	5603	5047
55°	9903	3446	3640	3446
60°	7555	2294	2313	2294
65°	5348	1430	1306	1430
70°	3859	956	866	956
75°	2454	477	393	477
80°	1705	355	302	355
85°	1521	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.7	5.7
10°-20°	187.4	16.4
20°-30°	283.7	24.8
30°-40°	284.3	24.8
40°-50°	178.5	15.6
50°-60°	95.2	8.3
60°-70°	39.1	3.4
70°-80°	10.3	0.9
80°-90°	1.7	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°	535.8	46.8
0°-40°	820.1	71.6
0°-60°	1093.8	95.5
0°-90°	1145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	680	680	680	680	680	
5°	659	679	703	679	659	62
15°	609	661	727	661	609	172
25°	571	623	673	623	571	262
35°	460	473	449	473	460	288
45°	324	173	200	173	324	249
55°	184	64	68	64	184	164
65°	73	20	18	20	73	76
75°	21	4	3	4	21	23
85°	4	0	0	0	4	5
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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	672.8	672.1	671.8	672.5	672.8	674.1	673.8	674.4	674.4	674.8	675.4
5°	659.2	658.8	659.2	659.2	660.5	661.8	661.5	662.5	663.2	664.8	665.5
7.5°	646.6	646.6	646.2	647.5	648.2	650.2	649.9	651.5	652.5	654.2	656.5
10°	633.6	633.6	633.9	634.9	635.3	638.3	638.3	640.6	641.9	643.6	646.6
12.5°	621.0	621.0	623.0	622.3	623.7	626.0	627.0	629.3	631.3	634.6	637.6
15°	609.1	609.1	609.7	611.4	612.4	615.4	617.0	619.7	622.0	625.3	629.6
17.5°	598.8	598.4	598.8	600.8	602.8	605.4	606.7	610.0	612.4	616.7	620.7
20°	588.5	589.1	589.1	590.8	592.1	595.4	596.8	600.4	603.1	607.1	611.7
22.5°	579.5	579.2	579.2	581.5	582.5	585.5	586.8	590.1	593.1	596.4	600.8
25°	570.6	569.9	571.2	571.5	572.2	575.5	576.5	578.8	581.8	584.8	589.1
27.5°	557.3	556.6	556.9	558.3	559.3	561.9	562.6	564.9	567.2	569.9	573.5
30°	531.7	531.1	530.7	533.1	534.0	536.0	537.0	541.0	541.7	544.7	547.3
32.5°	497.9	497.5	498.2	500.2	501.2	503.8	505.2	507.5	509.1	510.8	513.5
35°	460.0	459.4	460.0	462.0	462.0	464.3	465.3	466.3	466.0	466.3	465.7
37.5°	424.9	424.5	424.9	425.8	424.9	425.8	424.9	422.9	419.2	415.2	411.2
40°	395.0	395.3	393.3	394.6	391.0	390.3	386.7	381.7	374.4	366.4	355.1
42.5°	363.1	362.1	360.8	361.4	358.5	356.1	350.2	343.9	334.6	321.3	307.7
45°	323.9	323.6	322.9	322.6	320.6	318.3	313.3	306.0	295.7	282.1	265.9
47.5°	285.8	284.8	284.8	285.1	282.8	282.5	278.5	272.2	263.2	249.9	233.0
50°	249.3	248.9	249.6	250.9	249.3	248.6	246.0	241.6	233.7	222.4	206.4
52.5°	216.4	216.1	216.7	218.4	217.7	218.4	215.7	212.4	207.1	196.2	182.2
55°	184.2	184.2	184.2	186.2	186.2	186.2	184.9	182.9	177.9	169.9	157.0
57.5°	150.7	151.0	153.0	153.3	153.0	153.7	153.3	151.3	148.0	142.4	132.4
60°	122.5	122.5	123.5	124.5	124.1	124.5	124.5	123.5	120.2	115.5	107.5
62.5°	96.9	97.9	97.2	97.9	99.2	97.9	97.2	96.6	94.3	91.3	84.6
65°	73.3	74.0	74.0	74.3	73.7	74.0	72.7	71.7	70.4	67.1	62.7
67.5°	55.8	55.8	55.8	55.8	55.4	55.1	54.8	53.8	51.4	50.1	45.5
70°	42.8	40.8	40.8	40.8	40.8	41.2	40.2	38.8	38.2	35.8	32.5
72.5°	28.5	29.2	28.5	28.5	27.9	28.2	26.9	26.2	25.6	24.2	22.2
75°	20.6	18.9	19.6	19.9	18.9	19.6	18.3	16.9	16.9	15.9	14.9
77.5°	13.3	13.0	13.3	13.6	13.3	13.0	12.3	11.6	11.6	11.3	10.3
80°	9.6	9.3	9.3	9.3	9.0	9.3	8.6	8.6	8.0	7.6	7.0
82.5°	6.3	6.3	6.0	6.3	6.0	6.3	5.3	5.3	5.3	5.0	4.3
85°	4.3	3.6	3.6	4.0	3.3	4.0	3.6	3.3	3.0	3.0	2.7
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	1.3	1.3
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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	676.4	676.8	676.8	678.1	678.8	679.1	679.1	681.7	680.7	681.4	682.1
5°	666.8	668.8	669.5	669.5	673.1	674.4	675.8	678.8	679.1	681.1	683.4
7.5°	657.5	659.8	661.2	664.1	666.5	668.8	672.8	674.8	676.8	679.4	682.4
10°	648.5	651.2	653.9	656.2	659.8	662.8	665.5	670.1	672.5	676.1	680.1
12.5°	639.9	643.6	645.9	649.9	653.9	656.5	660.5	664.8	668.5	672.1	676.8
15°	632.3	636.6	639.3	643.6	647.9	651.5	655.9	661.2	663.8	668.1	672.5
17.5°	624.0	628.6	632.0	635.9	641.3	645.2	648.9	654.2	657.5	662.2	667.1
20°	615.4	620.0	624.0	628.0	633.3	637.3	641.6	646.9	650.5	655.2	659.2
22.5°	605.1	609.4	613.7	618.3	623.7	627.0	632.0	636.6	640.6	644.9	648.9
25°	591.8	597.1	600.4	604.7	609.1	612.7	618.0	622.7	626.0	630.0	633.6
27.5°	576.2	580.2	582.8	586.5	590.8	594.1	598.1	602.8	606.1	609.7	612.4
30°	549.6	553.3	555.6	558.3	562.6	565.6	568.9	573.2	575.5	578.2	580.5
32.5°	514.8	517.8	519.1	521.1	524.1	527.1	529.7	533.4	534.4	536.0	536.0
35°	464.3	465.0	464.7	465.3	466.7	468.3	470.6	473.0	474.3	474.3	473.3
37.5°	405.3	401.3	397.0	393.6	392.7	392.0	393.3	394.3	395.6	396.3	394.6
40°	343.9	334.9	325.3	316.6	310.7	308.0	307.0	307.7	307.7	310.0	310.0
42.5°	291.1	277.1	262.9	249.9	241.3	234.7	231.7	231.7	232.0	233.7	234.7
45°	247.3	229.7	213.1	198.8	186.9	178.2	174.3	173.3	172.9	173.6	175.9
47.5°	213.8	195.5	178.2	160.6	148.0	139.4	135.8	134.4	133.1	134.4	134.8
50°	187.5	168.6	150.4	132.8	119.5	111.8	107.2	105.2	104.9	104.9	105.6
52.5°	163.6	146.0	127.8	109.9	95.9	88.6	84.3	83.3	82.0	83.3	83.3
55°	141.1	123.5	105.6	88.6	77.0	69.4	65.4	64.1	63.4	64.4	64.4
57.5°	116.5	101.6	85.0	69.7	58.1	52.8	49.8	48.1	47.8	48.5	47.8
60°	95.6	83.0	68.7	54.8	45.8	40.2	37.8	37.2	36.5	37.2	37.2
62.5°	75.7	65.1	53.4	42.8	35.2	31.2	28.5	28.5	28.2	28.2	28.5
65°	56.1	47.8	39.5	30.5	24.6	21.6	19.6	19.6	19.2	19.6	19.2
67.5°	40.8	35.2	28.5	22.2	17.6	15.9	14.6	13.6	14.3	13.6	13.3
70°	29.9	25.2	20.6	16.9	13.6	12.0	11.0	10.6	10.0	10.0	10.0
72.5°	19.9	16.9	13.9	11.0	9.0	7.3	7.0	6.3	5.6	6.0	6.6
75°	13.3	11.3	10.0	8.0	6.0	6.0	4.0	4.0	3.3	4.0	3.0
77.5°	9.3	7.6	6.0	5.0	4.0	3.6	2.7	2.7	2.3	2.3	2.3
80°	6.6	5.6	4.3	3.6	2.7	2.7	2.3	2.0	1.7	1.7	2.0
82.5°	4.0	3.0	3.0	2.7	1.7	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.7	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.7
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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	683.7	683.4	684.1	684.1	686.1	685.7	686.7	686.7	686.1	686.4	687.7
5°	686.1	687.1	689.0	690.7	693.7	695.0	696.7	698.3	698.7	699.7	700.7
7.5°	686.1	689.4	691.7	694.7	698.7	701.0	704.6	707.6	709.0	710.6	712.6
10°	684.7	688.0	692.4	695.7	700.7	704.3	708.0	712.6	714.6	717.3	719.9
12.5°	682.1	685.7	690.4	694.7	700.3	703.6	708.3	712.6	715.6	719.2	722.2
15°	678.1	682.4	686.7	691.0	697.0	701.0	705.3	710.3	713.3	717.3	719.9
17.5°	671.8	676.4	680.4	684.4	690.0	694.7	698.7	703.3	706.3	709.6	713.3
20°	664.1	668.5	672.8	676.1	681.7	685.7	690.0	694.4	696.7	697.3	703.0
22.5°	654.5	657.5	660.8	666.1	669.5	673.1	677.1	681.1	683.4	687.1	689.0
25°	638.6	641.6	645.2	647.5	651.5	654.5	658.5	662.8	664.1	666.8	668.8
27.5°	616.4	618.0	619.7	621.7	624.0	625.7	628.0	630.0	631.3	632.6	633.9
30°	581.2	581.2	581.2	579.8	580.8	581.8	582.2	581.8	581.8	581.5	581.5
32.5°	534.7	532.1	529.1	526.4	525.4	524.1	523.4	522.4	520.8	519.8	520.1
35°	472.0	466.0	462.4	459.0	456.4	454.4	453.4	452.4	452.1	450.7	449.4
37.5°	393.6	389.3	386.7	384.7	382.4	380.4	380.7	381.0	382.0	381.4	381.7
40°	310.7	309.7	310.7	308.3	307.7	308.3	310.0	312.3	313.7	315.0	317.3
42.5°	236.3	238.0	240.3	240.3	241.3	242.6	244.6	248.3	250.3	252.6	255.2
45°	177.9	179.9	182.9	183.9	184.5	186.2	188.5	191.5	192.8	194.8	197.2
47.5°	137.1	138.4	140.1	141.7	143.4	144.0	146.4	146.4	148.0	149.4	150.0
50°	106.9	108.2	109.5	110.5	111.2	112.2	112.8	113.8	114.2	114.8	115.2
52.5°	83.6	85.3	85.3	86.0	87.0	88.0	87.6	88.0	88.3	88.3	89.3
55°	65.4	65.4	66.4	66.4	67.1	66.7	67.1	67.1	67.1	67.1	67.4
57.5°	48.8	49.1	50.1	49.5	49.1	49.8	49.1	49.8	49.5	50.1	49.1
60°	37.5	37.5	37.8	37.8	38.2	38.2	38.2	37.8	37.8	37.5	37.5
62.5°	28.2	28.5	28.9	28.5	28.5	28.5	28.2	28.2	27.9	27.5	27.5
65°	18.9	18.6	19.2	18.6	18.9	18.9	18.6	18.9	17.9	18.3	17.9
67.5°	13.6	13.3	13.0	13.3	13.0	12.6	12.6	13.0	13.3	12.3	12.3
70°	9.0	9.3	9.0	9.3	9.6	9.6	9.3	9.0	9.3	8.6	9.0
72.5°	5.6	5.6	5.6	5.6	5.6	6.0	6.0	6.0	5.3	5.3	5.0
75°	2.7	3.6	3.0	2.7	3.6	3.6	3.3	3.3	3.0	3.0	3.0
77.5°	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7	2.0	1.7
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.7	1.3	1.3	1.0	1.7
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	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





TEST NUMBER: P244974

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	687.4	687.1	687.4	687.7	687.4	687.1	687.4	687.7	686.4	686.1	686.7
5°	702.0	702.0	702.6	703.0	702.6	702.0	702.0	700.7	699.7	698.7	698.3
7.5°	714.6	715.3	715.9	716.3	715.9	715.3	714.6	712.6	710.6	709.0	707.6
10°	722.2	723.2	724.6	725.2	724.6	723.2	722.2	719.9	717.3	714.6	712.6
12.5°	725.6	726.6	728.2	727.9	728.2	726.6	725.6	722.2	719.2	715.6	712.6
15°	723.2	724.6	726.2	726.9	726.2	724.6	723.2	719.9	717.3	713.3	710.3
17.5°	715.9	717.9	718.9	719.9	718.9	717.9	715.9	713.3	709.6	706.3	703.3
20°	706.0	707.3	708.6	709.0	708.6	707.3	706.0	703.0	697.3	696.7	694.4
22.5°	691.7	692.7	695.7	694.7	695.7	692.7	691.7	689.0	687.1	683.4	681.1
25°	671.1	672.1	672.5	672.8	672.5	672.1	671.1	668.8	666.8	664.1	662.8
27.5°	635.6	635.6	636.3	636.6	636.3	635.6	635.6	633.9	632.6	631.3	630.0
30°	581.8	581.8	581.8	583.5	581.8	581.8	581.8	581.5	581.5	581.8	581.8
32.5°	519.8	519.1	518.4	519.1	518.4	519.1	519.8	520.1	519.8	520.8	522.4
35°	449.4	449.1	450.1	448.7	450.1	449.1	449.4	449.4	450.7	452.1	452.4
37.5°	382.0	381.4	382.7	381.4	382.7	381.4	382.0	381.7	381.4	382.0	381.0
40°	318.0	318.6	318.6	321.3	318.6	318.6	318.0	317.3	315.0	313.7	312.3
42.5°	256.6	258.6	257.9	259.9	257.9	258.6	256.6	255.2	252.6	250.3	248.3
45°	198.5	199.8	199.8	200.5	199.8	199.8	198.5	197.2	194.8	192.8	191.5
47.5°	152.3	152.3	152.3	152.7	152.3	152.3	152.3	150.0	149.4	148.0	146.4
50°	115.8	116.2	116.5	116.8	116.5	116.2	115.8	115.2	114.8	114.2	113.8
52.5°	89.0	89.3	88.6	89.3	88.6	89.3	89.0	89.3	88.3	88.3	88.0
55°	67.4	67.1	67.4	67.7	67.4	67.1	67.4	67.4	67.1	67.1	67.1
57.5°	49.5	48.8	48.8	48.8	48.8	48.8	49.5	49.1	50.1	49.5	49.8
60°	36.8	37.2	37.2	37.5	37.2	37.2	36.8	37.5	37.5	37.8	37.8
62.5°	27.2	28.2	27.5	28.2	27.5	28.2	27.2	27.5	27.5	27.9	28.2
65°	17.6	17.6	17.6	17.9	17.6	17.6	17.6	17.9	18.3	17.9	18.9
67.5°	12.0	12.3	13.0	12.6	13.0	12.3	12.0	12.3	12.3	13.3	13.0
70°	9.6	8.6	8.6	9.6	8.6	8.6	9.6	9.0	8.6	9.3	9.0
72.5°	5.6	5.0	5.6	5.6	5.6	5.0	5.6	5.0	5.3	5.3	6.0
75°	3.0	2.7	2.3	3.3	2.3	2.7	3.0	3.0	3.0	3.0	3.3
77.5°	2.0	1.7	2.3	2.3	2.3	1.7	2.0	1.7	2.0	1.7	2.0
80°	1.0	1.3	1.0	1.7	1.0	1.3	1.0	1.7	1.0	1.3	1.3
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	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: P244974

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	686.7	685.7	686.1	684.1	684.1	683.4	683.7	682.1	681.4	680.7	681.7
5°	696.7	695.0	693.7	690.7	689.0	687.1	686.1	683.4	681.1	679.1	678.8
7.5°	704.6	701.0	698.7	694.7	691.7	689.4	686.1	682.4	679.4	676.8	674.8
10°	708.0	704.3	700.7	695.7	692.4	688.0	684.7	680.1	676.1	672.5	670.1
12.5°	708.3	703.6	700.3	694.7	690.4	685.7	682.1	676.8	672.1	668.5	664.8
15°	705.3	701.0	697.0	691.0	686.7	682.4	678.1	672.5	668.1	663.8	661.2
17.5°	698.7	694.7	690.0	684.4	680.4	676.4	671.8	667.1	662.2	657.5	654.2
20°	690.0	685.7	681.7	676.1	672.8	668.5	664.1	659.2	655.2	650.5	646.9
22.5°	677.1	673.1	669.5	666.1	660.8	657.5	654.5	648.9	644.9	640.6	636.6
25°	658.5	654.5	651.5	647.5	645.2	641.6	638.6	633.6	630.0	626.0	622.7
27.5°	628.0	625.7	624.0	621.7	619.7	618.0	616.4	612.4	609.7	606.1	602.8
30°	582.2	581.8	580.8	579.8	581.2	581.2	581.2	580.5	578.2	575.5	573.2
32.5°	523.4	524.1	525.4	526.4	529.1	532.1	534.7	536.0	536.0	534.4	533.4
35°	453.4	454.4	456.4	459.0	462.4	466.0	472.0	473.3	474.3	474.3	473.0
37.5°	380.7	380.4	382.4	384.7	386.7	389.3	393.6	394.6	396.3	395.6	394.3
40°	310.0	308.3	307.7	308.3	310.7	309.7	310.7	310.0	310.0	307.7	307.7
42.5°	244.6	242.6	241.3	240.3	240.3	238.0	236.3	234.7	233.7	232.0	231.7
45°	188.5	186.2	184.5	183.9	182.9	179.9	177.9	175.9	173.6	172.9	173.3
47.5°	146.4	144.0	143.4	141.7	140.1	138.4	137.1	134.8	134.4	133.1	134.4
50°	112.8	112.2	111.2	110.5	109.5	108.2	106.9	105.6	104.9	104.9	105.2
52.5°	87.6	88.0	87.0	86.0	85.3	85.3	83.6	83.3	83.3	82.0	83.3
55°	67.1	66.7	67.1	66.4	66.4	65.4	65.4	64.4	64.4	63.4	64.1
57.5°	49.1	49.8	49.1	49.5	50.1	49.1	48.8	47.8	48.5	47.8	48.1
60°	38.2	38.2	38.2	37.8	37.8	37.5	37.5	37.2	37.2	36.5	37.2
62.5°	28.2	28.5	28.5	28.5	28.9	28.5	28.2	28.5	28.2	28.2	28.5
65°	18.6	18.9	18.9	18.6	19.2	18.6	18.9	19.2	19.6	19.2	19.6
67.5°	12.6	12.6	13.0	13.3	13.0	13.3	13.6	13.3	13.6	14.3	13.6
70°	9.3	9.6	9.6	9.3	9.0	9.3	9.0	10.0	10.0	10.0	10.6
72.5°	6.0	6.0	5.6	5.6	5.6	5.6	5.6	6.6	6.0	5.6	6.3
75°	3.3	3.6	3.6	2.7	3.0	3.6	2.7	3.0	4.0	3.3	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.3	2.3	2.3	2.7
80°	1.7	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.7	1.7	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
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	0.7	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: P244974

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	679.1	679.1	678.8	678.1	676.8	676.8	676.4	675.4	674.8	674.4	674.4
5°	675.8	674.4	673.1	669.5	669.5	668.8	666.8	665.5	664.8	663.2	662.5
7.5°	672.8	668.8	666.5	664.1	661.2	659.8	657.5	656.5	654.2	652.5	651.5
10°	665.5	662.8	659.8	656.2	653.9	651.2	648.5	646.6	643.6	641.9	640.6
12.5°	660.5	656.5	653.9	649.9	645.9	643.6	639.9	637.6	634.6	631.3	629.3
15°	655.9	651.5	647.9	643.6	639.3	636.6	632.3	629.6	625.3	622.0	619.7
17.5°	648.9	645.2	641.3	635.9	632.0	628.6	624.0	620.7	616.7	612.4	610.0
20°	641.6	637.3	633.3	628.0	624.0	620.0	615.4	611.7	607.1	603.1	600.4
22.5°	632.0	627.0	623.7	618.3	613.7	609.4	605.1	600.8	596.4	593.1	590.1
25°	618.0	612.7	609.1	604.7	600.4	597.1	591.8	589.1	584.8	581.8	578.8
27.5°	598.1	594.1	590.8	586.5	582.8	580.2	576.2	573.5	569.9	567.2	564.9
30°	568.9	565.6	562.6	558.3	555.6	553.3	549.6	547.3	544.7	541.7	541.0
32.5°	529.7	527.1	524.1	521.1	519.1	517.8	514.8	513.5	510.8	509.1	507.5
35°	470.6	468.3	466.7	465.3	464.7	465.0	464.3	465.7	466.3	466.0	466.3
37.5°	393.3	392.0	392.7	393.6	397.0	401.3	405.3	411.2	415.2	419.2	422.9
40°	307.0	308.0	310.7	316.6	325.3	334.9	343.9	355.1	366.4	374.4	381.7
42.5°	231.7	234.7	241.3	249.9	262.9	277.1	291.1	307.7	321.3	334.6	343.9
45°	174.3	178.2	186.9	198.8	213.1	229.7	247.3	265.9	282.1	295.7	306.0
47.5°	135.8	139.4	148.0	160.6	178.2	195.5	213.8	233.0	249.9	263.2	272.2
50°	107.2	111.8	119.5	132.8	150.4	168.6	187.5	206.4	222.4	233.7	241.6
52.5°	84.3	88.6	95.9	109.9	127.8	146.0	163.6	182.2	196.2	207.1	212.4
55°	65.4	69.4	77.0	88.6	105.6	123.5	141.1	157.0	169.9	177.9	182.9
57.5°	49.8	52.8	58.1	69.7	85.0	101.6	116.5	132.4	142.4	148.0	151.3
60°	37.8	40.2	45.8	54.8	68.7	83.0	95.6	107.5	115.5	120.2	123.5
62.5°	28.5	31.2	35.2	42.8	53.4	65.1	75.7	84.6	91.3	94.3	96.6
65°	19.6	21.6	24.6	30.5	39.5	47.8	56.1	62.7	67.1	70.4	71.7
67.5°	14.6	15.9	17.6	22.2	28.5	35.2	40.8	45.5	50.1	51.4	53.8
70°	11.0	12.0	13.6	16.9	20.6	25.2	29.9	32.5	35.8	38.2	38.8
72.5°	7.0	7.3	9.0	11.0	13.9	16.9	19.9	22.2	24.2	25.6	26.2
75°	4.0	6.0	6.0	8.0	10.0	11.3	13.3	14.9	15.9	16.9	16.9
77.5°	2.7	3.6	4.0	5.0	6.0	7.6	9.3	10.3	11.3	11.6	11.6
80°	2.3	2.7	2.7	3.6	4.3	5.6	6.6	7.0	7.6	8.0	8.6
82.5°	1.0	1.3	1.7	2.7	3.0	3.0	4.0	4.3	5.0	5.3	5.3
85°	0.3	0.7	0.7	1.0	1.7	2.0	2.3	2.7	3.0	3.0	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P244974

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	673.8	674.1	672.8	672.5	671.8	672.1	672.8
5°	661.5	661.8	660.5	659.2	659.2	658.8	659.2
7.5°	649.9	650.2	648.2	647.5	646.2	646.6	646.6
10°	638.3	638.3	635.3	634.9	633.9	633.6	633.6
12.5°	627.0	626.0	623.7	622.3	623.0	621.0	621.0
15°	617.0	615.4	612.4	611.4	609.7	609.1	609.1
17.5°	606.7	605.4	602.8	600.8	598.8	598.4	598.8
20°	596.8	595.4	592.1	590.8	589.1	589.1	588.5
22.5°	586.8	585.5	582.5	581.5	579.2	579.2	579.5
25°	576.5	575.5	572.2	571.5	571.2	569.9	570.6
27.5°	562.6	561.9	559.3	558.3	556.9	556.6	557.3
30°	537.0	536.0	534.0	533.1	530.7	531.1	531.7
32.5°	505.2	503.8	501.2	500.2	498.2	497.5	497.9
35°	465.3	464.3	462.0	462.0	460.0	459.4	460.0
37.5°	424.9	425.8	424.9	425.8	424.9	424.5	424.9
40°	386.7	390.3	391.0	394.6	393.3	395.3	395.0
42.5°	350.2	356.1	358.5	361.4	360.8	362.1	363.1
45°	313.3	318.3	320.6	322.6	322.9	323.6	323.9
47.5°	278.5	282.5	282.8	285.1	284.8	284.8	285.8
50°	246.0	248.6	249.3	250.9	249.6	248.9	249.3
52.5°	215.7	218.4	217.7	218.4	216.7	216.1	216.4
55°	184.9	186.2	186.2	186.2	184.2	184.2	184.2
57.5°	153.3	153.7	153.0	153.3	153.0	151.0	150.7
60°	124.5	124.5	124.1	124.5	123.5	122.5	122.5
62.5°	97.2	97.9	99.2	97.9	97.2	97.9	96.9
65°	72.7	74.0	73.7	74.3	74.0	74.0	73.3
67.5°	54.8	55.1	55.4	55.8	55.8	55.8	55.8
70°	40.2	41.2	40.8	40.8	40.8	40.8	42.8
72.5°	26.9	28.2	27.9	28.5	28.5	29.2	28.5
75°	18.3	19.6	18.9	19.9	19.6	18.9	20.6
77.5°	12.3	13.0	13.3	13.6	13.3	13.0	13.3
80°	8.6	9.3	9.0	9.3	9.3	9.3	9.6
82.5°	5.3	6.3	6.0	6.3	6.0	6.3	6.3
85°	3.6	4.0	3.3	4.0	3.6	3.6	4.3
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)