

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: P245874

Luminaire Tested: **LD8B10D010 ER8B10927 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245874  
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 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 826.9 lumens  
Efficiency: N/A  
Efficacy: 81.1 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

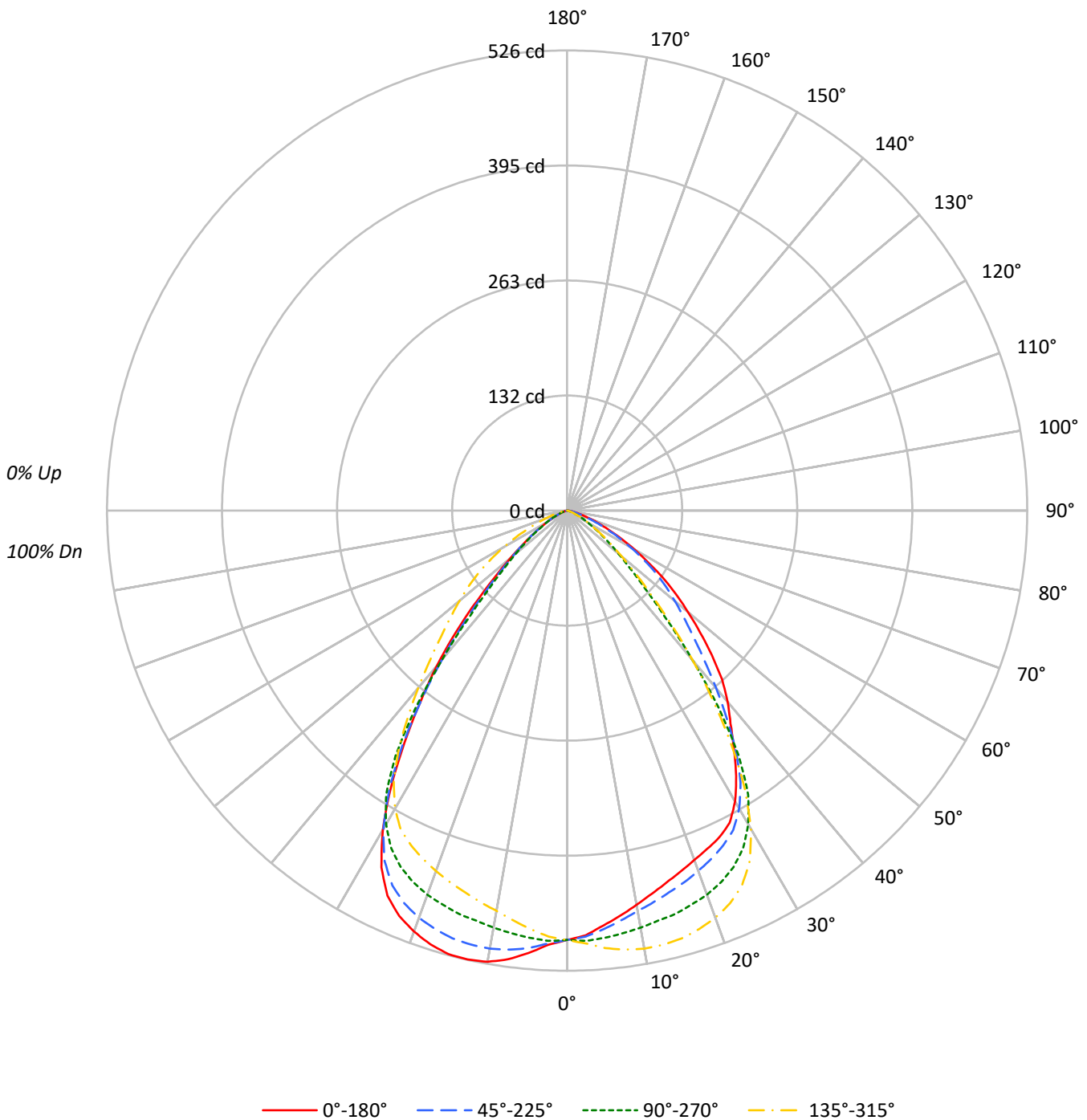
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	15134	15134	15134	15134
5°	14734	15174	15715	15174
10°	14325	15155	16398	15155
15°	14043	15241	16757	15241
20°	13947	15331	16801	15331
25°	14018	15301	16532	15301
30°	13673	14741	15005	14741
35°	12505	12859	12200	12859
40°	11480	8944	9339	8944
45°	10200	5456	6315	5456
50°	8635	3641	4049	3641
55°	7156	2484	2629	2484
60°	5452	1659	1671	1659
65°	3867	1036	941	1036
70°	2786	685	631	685
75°	1763	346	286	346
80°	1243	266	213	266
85°	1132	0	71	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.7	5.7
10°-20°	135.3	16.4
20°-30°	204.9	24.8
30°-40°	205.3	24.8
40°-50°	128.9	15.6
50°-60°	68.7	8.3
60°-70°	28.3	3.4
70°-80°	7.5	0.9
80°-90°	1.3	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°	386.9	46.8
0°-40°	592.2	71.6
0°-60°	789.9	95.5
0°-90°	826.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	491	491	491	491	491	
5°	476	490	508	490	476	45
15°	440	477	525	477	440	124
25°	412	450	486	450	412	189
35°	332	342	324	342	332	208
45°	234	125	145	125	234	180
55°	133	46	49	46	133	119
65°	53	14	13	14	53	55
75°	15	3	2	3	15	17
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°	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	485.9	485.3	485.1	485.7	485.9	486.8	486.6	487.0	487.0	487.4	487.8
5°	476.0	475.8	476.0	476.0	477.0	477.9	477.7	478.5	478.9	480.2	480.6
7.5°	466.9	466.9	466.6	467.7	468.1	469.6	469.4	470.5	471.3	472.4	474.1
10°	457.5	457.5	457.8	458.6	458.8	460.9	460.9	462.6	463.6	464.7	466.9
12.5°	448.4	448.4	449.9	449.4	450.3	452.0	452.8	454.5	455.8	458.3	460.5
15°	439.9	439.9	440.3	441.6	442.2	444.4	445.6	447.5	449.2	451.6	454.7
17.5°	432.4	432.1	432.4	433.8	435.3	437.2	438.2	440.6	442.2	445.4	448.2
20°	425.0	425.5	425.5	426.6	427.6	430.0	431.0	433.6	435.5	438.4	441.8
22.5°	418.5	418.3	418.3	420.0	420.6	422.8	423.8	426.2	428.3	430.8	433.8
25°	412.0	411.5	412.5	412.8	413.2	415.6	416.4	418.0	420.2	422.3	425.5
27.5°	402.4	402.0	402.2	403.2	403.9	405.8	406.2	407.9	409.6	411.5	414.2
30°	384.0	383.5	383.3	385.0	385.7	387.1	387.8	390.7	391.2	393.3	395.2
32.5°	359.6	359.3	359.8	361.2	361.9	363.8	364.8	366.5	367.7	368.9	370.8
35°	332.2	331.8	332.2	333.7	333.7	335.4	336.0	336.7	336.5	336.7	336.3
37.5°	306.8	306.6	306.8	307.6	306.8	307.6	306.8	305.3	302.7	299.8	297.0
40°	285.2	285.5	284.1	285.0	282.4	281.9	279.2	275.6	270.3	264.6	256.5
42.5°	262.2	261.6	260.6	261.0	258.9	257.2	252.9	248.3	241.6	232.0	222.2
45°	233.9	233.7	233.2	233.0	231.5	229.8	226.2	221.0	213.5	203.7	192.0
47.5°	206.3	205.6	205.6	205.9	204.2	204.0	201.2	196.5	190.1	180.5	168.3
50°	180.0	179.8	180.2	181.2	180.0	179.5	177.6	174.5	168.8	160.6	149.1
52.5°	156.3	156.0	156.5	157.7	157.3	157.7	155.8	153.5	149.5	141.6	131.6
55°	133.1	133.1	133.1	134.4	134.4	134.4	133.5	132.1	128.5	122.7	113.4
57.5°	108.8	109.0	110.5	110.7	110.5	111.0	110.7	109.4	106.9	102.8	95.6
60°	88.4	88.4	89.2	89.9	89.7	89.9	89.9	89.2	86.7	83.4	77.6
62.5°	70.0	70.8	70.2	70.8	71.7	70.8	70.2	69.8	68.1	65.9	61.1
65°	53.0	53.4	53.4	53.7	53.2	53.4	52.5	51.8	50.8	48.4	45.3
67.5°	40.3	40.3	40.3	40.3	40.1	39.8	39.6	38.8	37.1	36.2	32.8
70°	30.9	29.5	29.5	29.5	29.5	29.7	29.0	28.0	27.6	25.9	23.5
72.5°	20.6	21.0	20.6	20.6	20.1	20.4	19.5	18.9	18.4	17.6	16.1
75°	14.8	13.6	14.2	14.4	13.6	14.2	13.2	12.3	12.3	11.5	10.8
77.5°	9.6	9.3	9.6	9.8	9.6	9.3	8.9	8.4	8.4	8.1	7.4
80°	7.0	6.8	6.8	6.8	6.5	6.8	6.2	6.2	5.7	5.5	5.1
82.5°	4.6	4.6	4.3	4.6	4.3	4.6	3.8	3.8	3.8	3.6	3.2
85°	3.2	2.6	2.6	2.9	2.4	2.9	2.6	2.4	2.1	2.1	1.9
87.5°	1.5	1.7	1.5	1.7	1.5	1.5	1.7	1.5	1.5	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°	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	488.5	488.7	488.7	489.7	490.2	490.4	490.4	492.3	491.6	492.1	492.5
5°	481.5	483.0	483.4	483.4	486.1	487.0	488.0	490.2	490.4	491.8	493.5
7.5°	474.9	476.6	477.4	479.6	481.3	483.0	485.9	487.4	488.7	490.6	492.8
10°	468.3	470.2	472.2	473.8	476.6	478.7	480.6	484.0	485.7	488.2	491.2
12.5°	462.2	464.7	466.4	469.4	472.2	474.1	477.0	480.2	482.7	485.3	488.7
15°	456.6	459.8	461.7	464.7	467.9	470.5	473.6	477.4	479.4	482.5	485.7
17.5°	450.6	453.9	456.4	459.2	463.0	466.0	468.6	472.4	474.9	478.2	481.8
20°	444.4	447.8	450.6	453.5	457.3	460.2	463.3	467.2	469.8	473.2	476.0
22.5°	437.0	440.1	443.1	446.5	450.3	452.8	456.4	459.8	462.6	465.8	468.6
25°	427.4	431.2	433.6	436.7	439.9	442.5	446.3	449.7	452.0	455.0	457.5
27.5°	416.1	419.0	420.9	423.6	426.6	429.1	431.9	435.3	437.7	440.3	442.2
30°	396.9	399.6	401.3	403.2	406.2	408.5	410.8	414.0	415.6	417.6	419.2
32.5°	371.8	374.0	374.8	376.3	378.4	380.6	382.5	385.2	385.9	387.1	387.1
35°	335.4	335.8	335.6	336.0	337.0	338.2	339.9	341.6	342.6	342.6	341.8
37.5°	292.6	289.8	286.7	284.3	283.6	283.0	284.1	284.7	285.8	286.2	285.0
40°	248.3	241.9	234.9	228.7	224.3	222.4	221.7	222.2	222.2	223.9	223.9
42.5°	210.3	200.1	189.8	180.5	174.3	169.4	167.3	167.3	167.5	168.8	169.4
45°	178.5	165.8	153.9	143.5	135.0	128.7	125.9	125.1	124.9	125.3	127.0
47.5°	154.4	141.2	128.7	116.0	106.9	100.7	98.0	97.1	96.1	97.1	97.3
50°	135.5	121.7	108.6	95.9	86.3	80.8	77.4	75.9	75.7	75.7	76.3
52.5°	118.1	105.4	92.2	79.3	69.3	64.0	60.9	60.2	59.2	60.2	60.2
55°	101.8	89.2	76.3	64.0	55.6	50.1	47.2	46.2	45.8	46.5	46.5
57.5°	84.1	73.4	61.3	50.3	42.0	38.1	36.0	34.8	34.5	35.0	34.5
60°	69.1	60.0	49.6	39.6	33.1	29.0	27.3	26.9	26.3	26.9	26.9
62.5°	54.7	47.0	38.6	30.9	25.4	22.5	20.6	20.6	20.4	20.4	20.6
65°	40.5	34.5	28.6	22.0	17.8	15.5	14.2	14.2	14.0	14.2	14.0
67.5°	29.5	25.4	20.6	16.1	12.7	11.5	10.6	9.8	10.4	9.8	9.6
70°	21.6	18.2	14.8	12.3	9.8	8.7	7.9	7.6	7.2	7.2	7.2
72.5°	14.4	12.3	10.0	7.9	6.5	5.3	5.1	4.6	4.0	4.3	4.8
75°	9.6	8.1	7.2	5.7	4.3	4.3	2.9	2.9	2.4	2.9	2.1
77.5°	6.8	5.5	4.3	3.6	2.9	2.6	1.9	1.9	1.7	1.7	1.7
80°	4.8	4.0	3.2	2.6	1.9	1.9	1.7	1.5	1.2	1.2	1.5
82.5°	2.9	2.1	2.1	1.9	1.2	1.0	0.7	1.0	0.4	0.4	0.4
85°	1.7	1.5	1.2	0.7	0.4	0.4	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	0.4	0.4	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.4
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°	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	493.8	493.5	494.0	494.0	495.4	495.2	495.9	495.9	495.4	495.7	496.7
5°	495.4	496.1	497.6	498.8	501.0	502.0	503.1	504.3	504.6	505.2	506.0
7.5°	495.4	497.8	499.5	501.6	504.6	506.2	508.8	511.0	512.0	513.2	514.6
10°	494.4	496.9	500.0	502.4	506.0	508.6	511.3	514.6	516.0	517.9	519.9
12.5°	492.5	495.2	498.6	501.6	505.8	508.2	511.5	514.6	516.8	519.4	521.6
15°	489.7	492.8	495.9	499.0	503.3	506.2	509.4	512.9	515.1	517.9	519.9
17.5°	485.1	488.5	491.4	494.2	498.3	501.6	504.6	507.9	510.1	512.4	515.1
20°	479.6	482.7	485.9	488.2	492.3	495.2	498.3	501.4	503.1	503.6	507.7
22.5°	472.7	474.9	477.2	481.0	483.4	486.1	488.9	491.8	493.5	496.1	497.6
25°	461.1	463.3	466.0	467.7	470.5	472.7	475.5	478.7	479.6	481.5	483.0
27.5°	445.2	446.3	447.5	449.0	450.6	451.8	453.5	455.0	455.8	456.9	457.8
30°	419.7	419.7	419.7	418.7	419.5	420.2	420.4	420.2	420.2	420.0	420.0
32.5°	386.1	384.2	382.0	380.1	379.5	378.4	378.0	377.3	376.1	375.4	375.6
35°	340.9	336.5	333.9	331.5	329.6	328.2	327.4	326.7	326.5	325.5	324.6
37.5°	284.3	281.1	279.2	277.8	276.1	274.7	275.0	275.2	275.8	275.4	275.6
40°	224.3	223.6	224.3	222.6	222.2	222.6	223.9	225.6	225.6	227.5	229.2
42.5°	170.7	171.9	173.6	173.6	174.3	175.3	176.6	179.3	180.7	182.4	184.3
45°	128.5	129.9	132.1	132.8	133.3	134.4	136.1	138.3	139.3	140.7	142.4
47.5°	99.0	99.9	101.1	102.4	103.5	104.1	105.8	105.8	106.9	107.9	108.3
50°	77.2	78.2	79.1	79.8	80.3	81.0	81.4	82.2	82.5	82.9	83.1
52.5°	60.4	61.6	61.6	62.1	62.8	63.6	63.2	63.6	63.8	63.8	64.5
55°	47.2	47.2	47.9	47.9	48.4	48.2	48.4	48.4	48.4	48.4	48.7
57.5°	35.2	35.4	36.2	35.7	35.4	36.0	35.4	36.0	35.7	36.2	35.4
60°	27.1	27.1	27.3	27.3	27.6	27.6	27.6	27.3	27.3	27.1	27.1
62.5°	20.4	20.6	20.8	20.6	20.6	20.6	20.4	20.4	20.1	19.9	19.9
65°	13.6	13.4	14.0	13.4	13.6	13.6	13.4	13.6	12.9	13.2	12.9
67.5°	9.8	9.6	9.3	9.6	9.3	9.1	9.1	9.3	9.6	8.9	8.9
70°	6.5	6.8	6.5	6.8	7.0	7.0	6.8	6.5	6.8	6.2	6.5
72.5°	4.0	4.0	4.0	4.0	4.0	4.3	4.3	4.3	3.8	3.8	3.6
75°	1.9	2.6	2.1	1.9	2.6	2.6	2.4	2.4	2.1	2.1	2.1
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.5	1.2
80°	1.0	1.0	1.0	0.7	1.0	1.0	1.2	1.0	1.0	0.7	1.2
82.5°	0.4	0.4	0.4	0.0	0.2	0.4	0.4	0.2	0.4	0.4	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 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	496.4	496.1	496.4	496.7	496.4	496.1	496.4	496.7	495.7	495.4	495.9
5°	506.9	506.9	507.4	507.7	507.4	506.9	506.9	506.0	505.2	504.6	504.3
7.5°	516.0	516.5	517.1	517.3	517.1	516.5	516.0	514.6	513.2	512.0	511.0
10°	521.6	522.3	523.2	523.7	523.2	522.3	521.6	519.9	517.9	516.0	514.6
12.5°	524.0	524.7	525.9	525.6	525.9	524.7	524.0	521.6	519.4	516.8	514.6
15°	522.3	523.2	524.5	524.9	524.5	523.2	522.3	519.9	517.9	515.1	512.9
17.5°	517.1	518.4	519.2	519.9	519.2	518.4	517.1	515.1	512.4	510.1	507.9
20°	509.8	510.8	511.8	512.0	511.8	510.8	509.8	507.7	503.6	503.1	501.4
22.5°	499.5	500.3	502.4	501.6	502.4	500.3	499.5	497.6	496.1	493.5	491.8
25°	484.6	485.3	485.7	485.9	485.7	485.3	484.6	483.0	481.5	479.6	478.7
27.5°	459.0	459.0	459.4	459.8	459.4	459.0	459.0	457.8	456.9	455.8	455.0
30°	420.2	420.2	420.2	421.4	420.2	420.2	420.2	420.0	420.0	420.2	420.2
32.5°	375.4	374.8	374.4	374.8	374.4	374.8	375.4	375.6	375.4	376.1	377.3
35°	324.6	324.3	325.0	324.1	325.0	324.3	324.6	324.6	325.5	326.5	326.7
37.5°	275.8	275.4	276.4	275.4	276.4	275.4	275.8	275.6	275.4	275.8	275.2
40°	229.6	230.1	230.1	232.0	230.1	230.1	229.6	229.2	227.5	226.5	225.6
42.5°	185.3	186.8	186.2	187.6	186.2	186.8	185.3	184.3	182.4	180.7	179.3
45°	143.3	144.3	144.3	144.8	144.3	144.3	143.3	142.4	140.7	139.3	138.3
47.5°	110.0	110.0	110.0	110.2	110.0	110.0	110.0	108.3	107.9	106.9	105.8
50°	83.7	83.9	84.1	84.4	84.1	83.9	83.7	83.1	82.9	82.5	82.2
52.5°	64.2	64.5	64.0	64.5	64.0	64.5	64.2	64.5	63.8	63.8	63.6
55°	48.7	48.4	48.7	48.9	48.7	48.4	48.7	48.7	48.4	48.4	48.4
57.5°	35.7	35.2	35.2	35.2	35.2	35.2	35.7	35.4	36.2	35.7	36.0
60°	26.7	26.9	26.9	27.1	26.9	26.9	26.7	27.1	27.1	27.3	27.3
62.5°	19.7	20.4	19.9	20.4	19.9	20.4	19.7	19.9	19.9	20.1	20.4
65°	12.7	12.7	12.7	12.9	12.7	12.7	12.7	12.9	13.2	12.9	13.6
67.5°	8.7	8.9	9.3	9.1	9.3	8.9	8.7	8.9	8.9	9.6	9.3
70°	7.0	6.2	6.2	7.0	6.2	6.2	7.0	6.5	6.2	6.8	6.5
72.5°	4.0	3.6	4.0	4.0	4.0	3.6	4.0	3.6	3.8	3.8	4.3
75°	2.1	1.9	1.7	2.4	1.7	1.9	2.1	2.1	2.1	2.1	2.4
77.5°	1.5	1.2	1.7	1.7	1.7	1.2	1.5	1.2	1.5	1.2	1.5
80°	0.7	1.0	0.7	1.2	0.7	1.0	0.7	1.2	0.7	1.0	1.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.2
85°	0.0	0.4	0.2	0.2	0.2	0.4	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: P245874

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	495.9	495.2	495.4	494.0	494.0	493.5	493.8	492.5	492.1	491.6	492.3
5°	503.1	502.0	501.0	498.8	497.6	496.1	495.4	493.5	491.8	490.4	490.2
7.5°	508.8	506.2	504.6	501.6	499.5	497.8	495.4	492.8	490.6	488.7	487.4
10°	511.3	508.6	506.0	502.4	500.0	496.9	494.4	491.2	488.2	485.7	484.0
12.5°	511.5	508.2	505.8	501.6	498.6	495.2	492.5	488.7	485.3	482.7	480.2
15°	509.4	506.2	503.3	499.0	495.9	492.8	489.7	485.7	482.5	479.4	477.4
17.5°	504.6	501.6	498.3	494.2	491.4	488.5	485.1	481.8	478.2	474.9	472.4
20°	498.3	495.2	492.3	488.2	485.9	482.7	479.6	476.0	473.2	469.8	467.2
22.5°	488.9	486.1	483.4	481.0	477.2	474.9	472.7	468.6	465.8	462.6	459.8
25°	475.5	472.7	470.5	467.7	466.0	463.3	461.1	457.5	455.0	452.0	449.7
27.5°	453.5	451.8	450.6	449.0	447.5	446.3	445.2	442.2	440.3	437.7	435.3
30°	420.4	420.2	419.5	418.7	419.7	419.7	419.7	419.2	417.6	415.6	414.0
32.5°	378.0	378.4	379.5	380.1	382.0	384.2	386.1	387.1	387.1	385.9	385.2
35°	327.4	328.2	329.6	331.5	333.9	336.5	340.9	341.8	342.6	342.6	341.6
37.5°	275.0	274.7	276.1	277.8	279.2	281.1	284.3	285.0	286.2	285.8	284.7
40°	223.9	222.6	222.2	222.6	224.3	223.6	224.3	223.9	223.9	222.2	222.2
42.5°	176.6	175.3	174.3	173.6	173.6	171.9	170.7	169.4	168.8	167.5	167.3
45°	136.1	134.4	133.3	132.8	132.1	129.9	128.5	127.0	125.3	124.9	125.1
47.5°	105.8	104.1	103.5	102.4	101.1	99.9	99.0	97.3	97.1	96.1	97.1
50°	81.4	81.0	80.3	79.8	79.1	78.2	77.2	76.3	75.7	75.7	75.9
52.5°	63.2	63.6	62.8	62.1	61.6	61.6	60.4	60.2	60.2	59.2	60.2
55°	48.4	48.2	48.4	47.9	47.9	47.2	47.2	46.5	46.5	45.8	46.2
57.5°	35.4	36.0	35.4	35.7	36.2	35.4	35.2	34.5	35.0	34.5	34.8
60°	27.6	27.6	27.6	27.3	27.3	27.1	27.1	26.9	26.9	26.3	26.9
62.5°	20.4	20.6	20.6	20.6	20.8	20.6	20.4	20.6	20.4	20.4	20.6
65°	13.4	13.6	13.6	13.4	14.0	13.4	13.6	14.0	14.2	14.0	14.2
67.5°	9.1	9.1	9.3	9.6	9.3	9.6	9.8	9.6	9.8	10.4	9.8
70°	6.8	7.0	7.0	6.8	6.5	6.8	6.5	7.2	7.2	7.2	7.6
72.5°	4.3	4.3	4.0	4.0	4.0	4.0	4.0	4.8	4.3	4.0	4.6
75°	2.4	2.6	2.6	1.9	2.1	2.6	1.9	2.1	2.9	2.4	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.7	1.7	1.7	1.9
80°	1.2	1.0	1.0	0.7	1.0	1.0	1.0	1.5	1.2	1.2	1.5
82.5°	0.4	0.4	0.2	0.0	0.4	0.4	0.4	0.4	0.4	0.4	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	0.4	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: P245874

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	490.4	490.4	490.2	489.7	488.7	488.7	488.5	487.8	487.4	487.0	487.0
5°	488.0	487.0	486.1	483.4	483.4	483.0	481.5	480.6	480.2	478.9	478.5
7.5°	485.9	483.0	481.3	479.6	477.4	476.6	474.9	474.1	472.4	471.3	470.5
10°	480.6	478.7	476.6	473.8	472.2	470.2	468.3	466.9	464.7	463.6	462.6
12.5°	477.0	474.1	472.2	469.4	466.4	464.7	462.2	460.5	458.3	455.8	454.5
15°	473.6	470.5	467.9	464.7	461.7	459.8	456.6	454.7	451.6	449.2	447.5
17.5°	468.6	466.0	463.0	459.2	456.4	453.9	450.6	448.2	445.4	442.2	440.6
20°	463.3	460.2	457.3	453.5	450.6	447.8	444.4	441.8	438.4	435.5	433.6
22.5°	456.4	452.8	450.3	446.5	443.1	440.1	437.0	433.8	430.8	428.3	426.2
25°	446.3	442.5	439.9	436.7	433.6	431.2	427.4	425.5	422.3	420.2	418.0
27.5°	431.9	429.1	426.6	423.6	420.9	419.0	416.1	414.2	411.5	409.6	407.9
30°	410.8	408.5	406.2	403.2	401.3	399.6	396.9	395.2	393.3	391.2	390.7
32.5°	382.5	380.6	378.4	376.3	374.8	374.0	371.8	370.8	368.9	367.7	366.5
35°	339.9	338.2	337.0	336.0	335.6	335.8	335.4	336.3	336.7	336.5	336.7
37.5°	284.1	283.0	283.6	284.3	286.7	289.8	292.6	297.0	299.8	302.7	305.3
40°	221.7	222.4	224.3	228.7	234.9	241.9	248.3	256.5	264.6	270.3	275.6
42.5°	167.3	169.4	174.3	180.5	189.8	200.1	210.3	222.2	232.0	241.6	248.3
45°	125.9	128.7	135.0	143.5	153.9	165.8	178.5	192.0	203.7	213.5	221.0
47.5°	98.0	100.7	106.9	116.0	128.7	141.2	154.4	168.3	180.5	190.1	196.5
50°	77.4	80.8	86.3	95.9	108.6	121.7	135.5	149.1	160.6	168.8	174.5
52.5°	60.9	64.0	69.3	79.3	92.2	105.4	118.1	131.6	141.6	149.5	153.5
55°	47.2	50.1	55.6	64.0	76.3	89.2	101.8	113.4	122.7	128.5	132.1
57.5°	36.0	38.1	42.0	50.3	61.3	73.4	84.1	95.6	102.8	106.9	109.4
60°	27.3	29.0	33.1	39.6	49.6	60.0	69.1	77.6	83.4	86.7	89.2
62.5°	20.6	22.5	25.4	30.9	38.6	47.0	54.7	61.1	65.9	68.1	69.8
65°	14.2	15.5	17.8	22.0	28.6	34.5	40.5	45.3	48.4	50.8	51.8
67.5°	10.6	11.5	12.7	16.1	20.6	25.4	29.5	32.8	36.2	37.1	38.8
70°	7.9	8.7	9.8	12.3	14.8	18.2	21.6	23.5	25.9	27.6	28.0
72.5°	5.1	5.3	6.5	7.9	10.0	12.3	14.4	16.1	17.6	18.4	18.9
75°	2.9	4.3	4.3	5.7	7.2	8.1	9.6	10.8	11.5	12.3	12.3
77.5°	1.9	2.6	2.9	3.6	4.3	5.5	6.8	7.4	8.1	8.4	8.4
80°	1.7	1.9	1.9	2.6	3.2	4.0	4.8	5.1	5.5	5.7	6.2
82.5°	0.7	1.0	1.2	1.9	2.1	2.1	2.9	3.2	3.6	3.8	3.8
85°	0.2	0.4	0.4	0.7	1.2	1.5	1.7	1.9	2.1	2.1	2.4
87.5°	0.2	0.2	0.0	0.2	0.4	0.4	1.0	1.0	1.0	1.5	1.5
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: P245874

CATALOG NUMBER: LD8B10D010 ER8B10927 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	490.8	490.8	490.8	490.8	490.8	490.8	490.8
2.5°	486.6	486.8	485.9	485.7	485.1	485.3	485.9
5°	477.7	477.9	477.0	476.0	476.0	475.8	476.0
7.5°	469.4	469.6	468.1	467.7	466.6	466.9	466.9
10°	460.9	460.9	458.8	458.6	457.8	457.5	457.5
12.5°	452.8	452.0	450.3	449.4	449.9	448.4	448.4
15°	445.6	444.4	442.2	441.6	440.3	439.9	439.9
17.5°	438.2	437.2	435.3	433.8	432.4	432.1	432.4
20°	431.0	430.0	427.6	426.6	425.5	425.5	425.0
22.5°	423.8	422.8	420.6	420.0	418.3	418.3	418.5
25°	416.4	415.6	413.2	412.8	412.5	411.5	412.0
27.5°	406.2	405.8	403.9	403.2	402.2	402.0	402.4
30°	387.8	387.1	385.7	385.0	383.3	383.5	384.0
32.5°	364.8	363.8	361.9	361.2	359.8	359.3	359.6
35°	336.0	335.4	333.7	333.7	332.2	331.8	332.2
37.5°	306.8	307.6	306.8	307.6	306.8	306.6	306.8
40°	279.2	281.9	282.4	285.0	284.1	285.5	285.2
42.5°	252.9	257.2	258.9	261.0	260.6	261.6	262.2
45°	226.2	229.8	231.5	233.0	233.2	233.7	233.9
47.5°	201.2	204.0	204.2	205.9	205.6	205.6	206.3
50°	177.6	179.5	180.0	181.2	180.2	179.8	180.0
52.5°	155.8	157.7	157.3	157.7	156.5	156.0	156.3
55°	133.5	134.4	134.4	134.4	133.1	133.1	133.1
57.5°	110.7	111.0	110.5	110.7	110.5	109.0	108.8
60°	89.9	89.9	89.7	89.9	89.2	88.4	88.4
62.5°	70.2	70.8	71.7	70.8	70.2	70.8	70.0
65°	52.5	53.4	53.2	53.7	53.4	53.4	53.0
67.5°	39.6	39.8	40.1	40.3	40.3	40.3	40.3
70°	29.0	29.7	29.5	29.5	29.5	29.5	30.9
72.5°	19.5	20.4	20.1	20.6	20.6	21.0	20.6
75°	13.2	14.2	13.6	14.4	14.2	13.6	14.8
77.5°	8.9	9.3	9.6	9.8	9.6	9.3	9.6
80°	6.2	6.8	6.5	6.8	6.8	6.8	7.0
82.5°	3.8	4.6	4.3	4.6	4.3	4.6	4.6
85°	2.6	2.9	2.4	2.9	2.6	2.6	3.2
87.5°	1.7	1.5	1.5	1.7	1.5	1.7	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)