

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Report Prepared for  
Eaton Lighting Division  
(formerly Cooper Lighting)

Report Number: A1921867A001

Luminaire Tested:

Test Date: 2019-12-17

Tested By:

Approved By:



NVLAP Lab Code: 200050-0

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This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.

Results contained in this report are valid for luminaire sample tested.  
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**Test Information**

Test Method: LM-79-08  
 Report Number: A1921867A001  
 Test Lab: LEEDARSON  
 Test Date: 2019-12-17  
 Manufacturer: LEEDARSON  
 Product Line:  
 Catalog Number:  
 Description: DL-NJ30bA21IR1-2590  
 Light Source: -  
 Ballast/Driver: -

Luminaire Equipment:	<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
	AS-5443-1	Good	WHITE TWIN R-EVOLVE FLOOD
	AS-5443-2	Good	REFLECTOR
	AS-5443-3	Good	DRIVER
	AS-5443-4	Good	UPPER MODULE
	AS-5443-5	Good	LENS
	AS-5443-6	Good	DRIVER 2
	AS-5443-7	Good	TRIM RING

**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 1769.6 lumens  
 Efficiency: N/A  
 Efficacy: 86.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
 Luminous Opening: Point Source (0m x 0m x 0m)  
 CIE Type: Direct

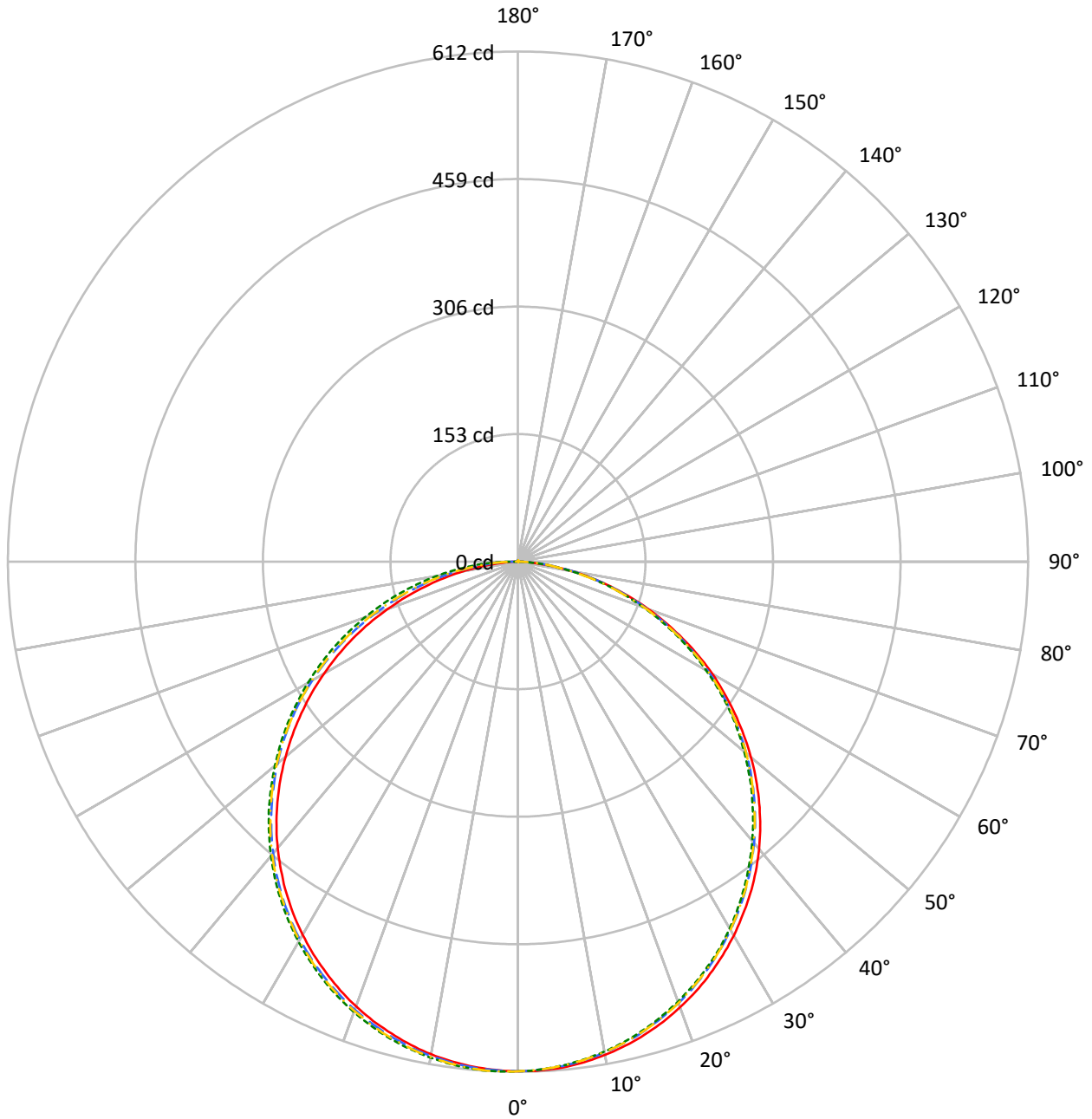
Input Watts (W): 20.4732  
 Input Voltage (V): NR  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	P1		
Power Meter			

TEST NUMBER: A1921867A001

CATALOG NUMBER:

### Luminous Intensity Polar Plot



TEST NUMBER: A1921867A001

CATALOG NUMBER:

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																	
RC	80									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	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																											
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																											
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																											
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																											
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																											
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43																											
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37																											
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																											
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																											
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26																											
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																											

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.8	3.3
10°-20°	165.5	9.4
20°-30°	251.0	14.2
30°-40°	303.3	17.1
40°-50°	315.6	17.8
50°-60°	286.7	16.2
60°-70°	221.1	12.5
70°-80°	129.5	7.3
80°-90°	37.1	2.1
90°-100°	0.4	0.0
100°-110°	0.0	0.0
110°-120°	0.1	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.2	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	474.4	26.8
0°-40°	777.7	43.9
0°-60°	1380.0	78.0
0°-90°	1767.8	99.9
90°-120°	0.5	0.0
90°-150°	0.9	0.1
90°-180°	2.0	0.1
0°-180°	1769.6	100.0

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
45°	Luminaire represents a point source (luminous area)			
55°	No luminance values can be calculated.			
65°				
75°				
85°				

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	611	611	611	611	611	
5°	609	607	608	611	609	58
15°	587	582	586	592	587	166
25°	545	537	544	553	545	251
35°	486	474	485	496	486	304
45°	409	397	408	423	409	315
55°	317	309	317	337	317	284
65°	218	211	219	244	218	216
75°	115	111	115	147	115	122
85°	21	25	24	54	21	27
90°	1	0	1	13	1	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	1	0	0	0	1	0
155°	1	1	1	1	1	1

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CATALOG NUMBER:

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
0.5°	611.1	610.7	610.8	610.7	611.1	611.2	611.0	610.9	611.1	610.7	610.8
1°	611.1	610.7	610.8	610.7	610.9	610.9	610.9	610.7	611.1	610.7	610.8
1.5°	611.1	610.8	610.6	610.2	610.6	610.7	610.5	610.6	610.9	610.7	610.8
2°	611.1	610.8	610.4	610.0	610.1	610.2	610.1	610.2	610.5	610.5	610.8
2.5°	610.8	610.4	609.9	609.5	609.9	609.7	609.7	609.8	610.1	610.3	610.5
3°	610.7	610.0	609.6	609.0	609.2	609.3	609.4	609.1	609.9	610.1	610.4
3.5°	610.5	609.6	608.9	608.5	608.7	608.6	608.8	608.8	609.7	609.7	610.0
4°	610.1	609.1	608.6	607.8	607.9	607.9	608.2	608.2	609.1	609.7	609.9
4.5°	609.6	608.6	607.9	607.4	607.5	607.5	607.6	607.9	608.7	609.1	609.5
5°	609.1	608.1	607.5	606.7	606.7	606.6	606.8	607.0	608.1	608.4	609.1
5.5°	608.5	607.4	606.5	606.0	606.2	605.8	606.2	606.5	607.6	608.1	608.5
6°	607.8	606.7	606.0	605.1	605.2	605.0	605.4	605.4	606.8	607.6	608.1
6.5°	607.3	605.9	605.0	604.3	604.2	604.4	604.6	604.8	606.2	606.9	607.5
7°	606.3	605.0	604.2	603.4	603.4	603.3	603.6	603.8	605.4	605.8	606.9
7.5°	605.6	604.3	603.3	602.5	602.6	602.3	602.9	603.2	604.7	605.4	606.0
8°	604.8	603.2	602.4	601.2	601.4	601.4	601.8	602.2	603.7	604.3	605.4
8.5°	603.9	602.3	600.9	600.1	600.3	600.2	600.7	601.3	602.9	603.5	604.6
9°	602.8	601.0	600.2	598.9	599.0	599.2	599.7	600.1	602.0	602.6	603.7
9.5°	601.9	600.0	599.0	598.0	598.1	598.1	598.6	599.3	601.0	601.6	602.9
10°	600.8	599.0	597.7	596.7	596.7	597.0	597.3	598.2	599.8	600.5	602.1
10.5°	599.6	598.0	596.6	595.6	595.5	595.7	596.3	597.1	598.9	599.7	601.1
11°	598.6	596.9	595.4	594.2	594.0	594.4	594.9	595.7	597.5	598.5	599.9
11.5°	597.2	595.5	593.8	593.0	592.8	593.0	593.7	594.5	596.5	597.4	598.9
12°	595.9	594.1	592.5	591.4	591.3	591.4	592.2	593.0	595.0	596.0	597.8
12.5°	594.8	592.5	591.1	590.0	589.8	590.0	590.9	591.6	593.8	594.9	596.6
13°	593.5	591.2	589.6	588.2	588.2	588.4	589.1	590.2	592.2	593.5	595.1
13.5°	591.9	589.7	588.1	586.8	586.8	586.8	587.9	588.8	590.8	592.4	593.6
14°	590.5	588.0	586.6	585.0	584.9	585.2	586.1	587.0	589.1	590.7	592.2
14.5°	589.1	586.7	584.8	583.5	583.3	583.5	584.5	585.6	587.7	589.2	591.0
15°	587.3	585.1	583.1	581.8	581.5	581.9	582.8	583.9	586.0	587.7	589.3
15.5°	585.7	583.4	581.5	580.0	579.8	580.0	581.0	582.3	584.5	586.4	588.0
16°	584.1	581.5	579.6	577.9	577.9	578.2	579.3	580.4	582.7	584.5	586.3
16.5°	582.4	579.8	577.4	576.2	576.1	576.4	577.4	578.7	581.1	582.9	584.5
17°	580.5	578.1	575.7	574.0	574.0	574.4	575.4	576.7	579.1	581.1	582.8
17.5°	578.8	576.2	573.5	572.0	572.0	572.3	573.5	575.1	577.6	579.6	581.3
18°	576.8	574.2	571.5	570.0	569.9	570.3	571.4	572.9	575.5	577.6	579.5
18.5°	574.8	572.3	569.3	568.1	567.9	568.2	569.5	571.0	573.7	575.9	577.6
19°	572.8	570.1	567.4	565.8	565.7	566.2	567.4	568.8	571.7	573.8	575.7
19.5°	570.8	568.1	565.3	564.0	563.7	564.1	565.4	566.8	569.6	571.9	574.0
20°	568.8	565.6	563.5	561.8	561.5	561.9	563.3	564.5	567.4	569.7	571.9
20.5°	566.7	563.7	561.1	559.7	559.1	559.7	561.1	562.6	565.5	567.7	570.0
21°	564.5	561.4	558.9	557.4	556.9	557.4	558.3	560.2	563.5	565.6	567.8

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
23°	555.5	552.0	549.2	547.2	547.3	547.7	548.7	551.0	554.0	556.7	559.2
23.5°	553.1	549.4	546.7	544.7	544.8	545.3	546.4	548.3	551.7	554.3	556.9
24°	550.8	547.1	544.3	542.0	542.3	542.8	543.7	545.7	549.2	551.9	554.6
24.5°	548.1	544.6	541.5	539.2	539.7	540.2	541.2	543.3	546.8	549.6	552.3
25°	545.4	541.9	538.8	536.5	536.9	537.5	538.5	540.6	544.1	546.9	549.7
25.5°	543.0	539.2	536.1	533.8	534.2	534.7	535.9	538.3	541.6	544.6	547.3
26°	540.2	536.5	533.5	530.9	531.5	532.1	533.1	535.6	539.1	542.1	544.7
26.5°	537.6	533.9	530.7	528.2	528.8	529.1	530.6	533.0	536.3	539.4	542.3
27°	534.8	531.2	527.9	525.2	526.0	526.4	527.6	530.2	533.7	536.7	539.6
27.5°	532.1	528.3	525.0	522.6	523.2	523.5	524.9	527.5	531.0	533.9	537.0
28°	529.3	525.4	521.9	519.4	520.2	520.5	521.9	524.5	528.2	531.3	534.2
28.5°	526.5	522.4	519.0	516.5	517.2	517.5	519.2	521.8	525.3	528.6	531.5
29°	523.5	519.5	516.0	513.5	514.1	514.7	516.0	518.7	522.6	525.7	529.0
29.5°	520.6	516.4	513.0	510.5	511.1	511.5	513.1	515.8	519.5	522.9	526.1
30°	517.8	513.5	510.0	507.3	507.9	508.4	509.9	512.6	516.6	519.9	523.2
30.5°	514.8	510.3	507.0	504.0	504.6	505.3	506.6	509.9	513.7	516.9	520.4
31°	511.6	507.1	503.7	500.9	501.5	502.0	503.5	506.6	510.5	514.0	517.5
31.5°	508.3	503.9	500.6	497.5	498.3	498.7	500.4	503.5	507.5	510.8	514.3
32°	505.1	500.7	497.3	494.3	495.0	495.5	497.1	500.2	504.4	507.8	511.3
32.5°	502.0	497.5	494.1	491.5	491.6	492.2	493.8	496.9	501.3	504.7	508.2
33°	498.8	494.5	490.9	488.0	488.1	488.6	490.3	493.4	497.9	501.5	505.0
33.5°	495.8	491.3	487.6	484.8	484.7	485.0	486.9	489.9	494.6	498.5	501.9
34°	492.6	488.1	484.3	481.4	481.3	481.7	483.7	486.7	491.2	495.3	498.7
34.5°	489.3	484.6	480.8	477.8	477.8	478.3	480.3	483.2	487.9	492.0	495.6
35°	485.9	481.3	477.3	474.4	474.4	474.8	476.9	479.7	484.7	488.5	492.2
35.5°	482.6	477.7	473.8	470.9	470.5	471.1	473.1	476.2	481.2	485.2	488.9
36°	479.0	474.4	470.3	467.3	467.0	467.6	469.5	472.6	477.7	481.8	485.5
36.5°	475.5	470.7	466.6	463.8	463.2	463.8	466.0	469.3	474.1	478.1	481.9
37°	472.0	467.2	463.1	460.1	459.5	460.1	462.4	465.5	470.4	474.6	478.4
37.5°	468.5	463.5	459.5	456.4	455.9	456.5	458.7	461.9	466.9	471.0	475.1
38°	464.8	459.9	455.8	452.5	452.3	452.8	455.0	458.1	463.2	467.4	471.4
38.5°	461.2	456.1	451.9	448.8	448.5	449.1	451.4	454.5	459.5	463.6	467.8
39°	457.5	452.4	448.2	445.1	444.8	445.4	447.5	450.8	455.8	460.2	464.1
39.5°	453.8	448.5	444.4	441.1	441.0	441.5	443.7	447.0	452.1	456.7	460.5
40°	449.9	444.7	440.5	437.4	437.2	437.6	439.7	443.1	448.3	452.8	456.9
40.5°	446.0	440.9	436.6	433.5	433.2	433.7	435.9	439.5	444.5	449.0	453.0
41°	442.0	437.1	432.8	429.6	429.5	429.9	432.1	435.4	440.7	445.2	449.4
41.5°	438.1	433.1	429.0	425.7	425.5	426.2	428.3	431.6	436.9	441.4	445.7
42°	434.1	429.3	425.2	421.8	421.5	422.0	424.3	427.8	432.8	437.6	441.7
42.5°	430.1	425.1	421.0	417.6	417.5	418.1	420.5	423.9	428.9	433.6	437.8
43°	426.0	421.0	416.9	413.6	413.4	414.0	416.3	420.0	424.8	429.5	433.8
43.5°	421.9	417.0	412.8	409.5	409.3	410.1	412.3	416.0	420.8	425.7	429.9
44°	417.6	412.7	408.9	405.7	405.2	406.0	408.2	412.0	416.5	421.6	426.0

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CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
46°	400.6	395.6	392.2	389.3	388.7	389.2	391.7	395.0	399.4	404.9	409.9
46.5°	396.3	391.2	388.0	384.7	384.4	385.1	387.5	390.9	395.1	400.6	405.7
47°	391.7	386.8	383.8	380.4	380.0	380.8	383.2	386.5	390.8	396.3	401.6
47.5°	387.5	382.4	379.5	376.0	375.8	376.4	379.0	381.8	386.5	392.1	397.4
48°	382.9	377.9	375.3	371.8	371.5	372.1	374.6	377.5	382.0	387.9	393.4
48.5°	378.6	373.2	370.7	367.4	367.1	367.7	370.4	373.0	377.5	383.4	389.2
49°	373.9	368.9	366.5	363.1	362.6	363.3	366.0	368.4	373.0	379.0	384.9
49.5°	369.6	364.2	362.1	358.8	358.6	359.0	361.6	363.9	368.4	374.6	380.6
50°	364.7	359.9	357.6	354.4	354.0	354.7	357.2	359.5	363.8	370.0	376.5
50.5°	360.3	355.1	353.0	349.9	349.7	350.2	352.9	354.8	359.4	365.7	372.1
51°	355.5	350.5	348.6	345.4	345.2	345.8	348.5	350.2	354.7	361.1	368.0
51.5°	350.8	345.7	343.9	341.1	341.1	341.5	344.2	345.6	350.2	356.8	363.6
52°	346.0	341.2	339.4	336.4	336.6	336.8	339.5	341.1	345.6	352.2	359.3
52.5°	341.3	336.3	334.7	331.7	332.1	332.3	334.8	336.3	340.9	347.6	355.0
53°	336.6	331.6	330.0	327.4	327.5	327.8	330.2	331.5	336.2	342.9	350.6
53.5°	331.8	326.8	325.4	322.9	323.3	323.4	325.8	326.7	331.4	338.4	345.8
54°	326.9	322.0	320.9	318.3	318.4	318.7	321.1	322.2	326.7	333.6	341.4
54.5°	322.5	317.3	316.2	313.6	313.9	314.1	316.6	317.5	322.0	329.1	336.7
55°	317.4	312.5	311.5	309.2	309.3	309.5	312.0	312.8	317.4	324.4	332.3
55.5°	312.7	307.7	306.6	304.5	304.4	304.6	307.0	307.8	312.4	319.6	327.6
56°	308.0	302.9	302.0	299.8	299.6	299.9	302.2	303.1	307.6	314.7	323.1
56.5°	303.2	298.3	297.2	295.3	294.7	295.0	297.6	298.3	303.0	309.9	318.5
57°	298.2	293.6	292.7	290.7	290.0	290.3	292.9	293.5	298.1	305.1	313.9
57.5°	293.5	288.6	287.7	286.0	285.1	285.6	288.3	288.8	293.2	300.5	309.2
58°	288.7	283.9	283.0	281.4	280.3	280.7	283.3	283.9	288.4	295.5	304.4
58.5°	283.9	279.1	278.1	276.7	275.4	275.9	278.6	279.0	283.4	290.8	299.5
59°	278.9	274.1	273.5	271.9	270.4	271.0	273.8	274.1	278.6	285.8	294.6
59.5°	274.2	269.3	268.4	267.1	265.6	266.1	268.7	269.1	273.6	280.9	289.9
60°	269.2	264.4	263.7	262.3	260.7	261.1	263.7	264.1	268.8	275.8	284.7
60.5°	264.4	259.4	258.9	257.7	255.9	256.5	258.9	259.2	263.6	270.8	280.0
61°	259.2	254.7	253.9	252.7	250.9	251.5	254.1	254.4	258.7	265.7	275.1
61.5°	254.3	249.9	249.0	247.8	245.9	246.6	249.1	249.4	253.8	260.7	270.2
62°	249.1	244.9	244.2	242.6	240.8	241.6	244.2	244.4	248.9	255.7	265.1
62.5°	244.1	239.8	239.0	237.6	235.8	236.7	239.0	239.2	243.9	250.4	260.0
63°	238.7	234.9	234.1	232.5	230.8	231.6	233.9	234.1	238.7	245.4	254.9
63.5°	233.6	229.8	229.1	227.6	225.7	226.7	228.9	229.1	233.7	240.2	249.8
64°	228.2	224.9	224.3	222.7	220.7	221.7	224.0	224.1	228.8	235.2	244.8
64.5°	223.3	219.7	219.3	217.7	215.8	216.7	218.8	219.1	223.9	229.9	239.8
65°	218.0	214.7	214.2	212.7	210.8	211.6	213.8	214.1	218.9	224.6	234.6
65.5°	212.9	209.5	209.1	207.6	205.8	206.6	208.4	208.9	213.6	219.5	229.4
66°	207.5	204.5	204.1	202.5	200.5	201.4	203.1	203.7	208.3	214.3	224.3
66.5°	202.4	199.2	198.9	197.4	195.5	196.4	197.9	198.6	203.1	208.9	219.4
67°	197.2	194.4	193.9	192.3	190.6	191.2	192.7	193.6	198.1	203.6	214.2

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
69°	176.5	173.9	173.6	172.1	170.2	171.2	171.9	173.3	177.1	182.8	193.2
69.5°	171.3	168.6	168.5	166.9	165.2	166.3	166.7	168.3	171.8	177.4	188.1
70°	166.2	163.5	163.4	161.9	160.2	161.2	161.5	163.1	166.5	172.3	182.8
70.5°	161.1	158.3	158.5	157.1	155.5	156.5	156.4	158.0	161.3	167.0	177.8
71°	156.0	153.2	153.6	152.2	150.5	151.5	151.3	153.1	156.2	161.8	172.3
71.5°	150.9	148.0	148.7	147.1	145.4	146.6	146.2	148.0	151.0	156.5	167.2
72°	145.8	142.8	143.8	142.1	140.5	141.6	141.1	143.0	145.9	151.6	162.0
72.5°	140.6	137.4	138.8	137.1	135.6	136.8	136.0	137.8	140.7	146.4	156.9
73°	135.4	132.4	133.8	132.2	130.6	131.9	130.8	132.7	135.6	141.3	151.7
73.5°	130.4	127.2	129.0	127.3	125.7	127.0	125.7	127.6	130.3	136.0	146.7
74°	125.3	122.2	124.1	122.6	121.0	122.2	121.0	122.8	125.5	130.9	141.6
74.5°	120.4	117.0	119.4	117.5	116.1	117.3	115.9	117.8	120.5	125.8	136.5
75°	115.2	112.0	114.5	112.8	111.3	112.5	110.8	112.8	115.4	120.9	131.5
75.5°	110.3	106.9	109.7	107.8	106.6	107.8	105.8	107.9	110.3	115.7	126.7
76°	104.9	101.8	104.7	102.9	101.7	102.8	100.9	102.9	105.3	110.7	121.7
76.5°	100.1	96.5	99.9	98.0	96.9	98.1	95.9	98.0	100.3	105.7	116.7
77°	95.0	91.6	95.0	93.2	92.2	93.4	91.0	93.2	95.4	100.8	111.8
77.5°	90.3	86.6	90.2	88.5	87.8	88.7	86.4	88.3	90.6	95.8	107.0
78°	85.4	81.7	85.7	83.8	83.2	84.1	81.8	83.6	85.7	90.9	101.9
78.5°	80.4	76.5	81.0	79.1	78.4	79.3	76.9	78.7	80.8	86.1	97.1
79°	75.4	71.8	76.2	74.4	73.7	74.7	72.2	73.8	75.9	81.2	92.2
79.5°	70.5	66.8	71.5	69.7	69.1	70.0	67.6	68.9	71.2	76.2	87.6
80°	65.7	62.0	67.0	65.1	64.6	65.4	63.5	64.0	66.4	71.4	82.7
80.5°	60.7	57.3	62.5	60.7	60.1	60.8	59.1	59.3	61.7	66.6	78.1
81°	56.1	52.6	58.1	56.8	55.5	56.3	55.0	54.7	57.2	61.8	73.4
81.5°	51.2	47.8	54.0	52.8	51.1	51.8	51.1	50.0	52.8	56.8	68.7
82°	46.6	43.4	49.8	48.8	46.6	47.4	47.1	45.4	48.3	52.0	63.9
82.5°	41.9	38.9	45.8	44.7	42.6	43.5	43.4	40.8	44.2	47.3	59.3
83°	37.3	34.4	41.9	41.0	38.8	39.8	39.9	36.3	40.1	42.7	54.9
83.5°	32.7	30.3	38.1	37.1	35.1	36.2	36.4	32.2	35.9	37.8	50.5
84°	28.5	26.8	34.6	33.5	31.5	32.6	33.0	28.9	31.8	32.9	46.2
84.5°	24.4	23.6	31.0	29.6	28.2	28.9	29.6	25.7	27.9	28.3	42.0
85°	20.8	20.9	27.4	25.9	24.7	25.5	26.4	22.7	24.3	24.4	38.4
85.5°	18.0	18.5	24.0	22.2	21.4	22.2	23.0	20.3	21.2	21.3	35.2
86°	15.9	16.1	20.7	18.6	18.2	19.0	19.8	17.7	18.6	18.9	32.2
86.5°	13.8	13.8	17.4	15.2	15.0	15.8	16.5	15.1	16.1	16.8	29.1
87°	11.7	11.4	14.0	11.8	11.7	12.5	13.4	12.7	13.8	14.8	26.0
87.5°	9.7	9.1	10.7	8.5	8.7	9.5	10.5	10.2	11.6	12.8	23.0
88°	7.7	6.8	7.4	5.3	5.8	6.7	7.7	7.9	9.4	10.8	20.2
88.5°	5.8	4.5	4.4	2.6	3.3	4.2	5.3	5.7	7.1	8.7	17.3
89°	4.0	2.5	1.9	0.7	1.1	1.9	3.1	3.7	4.9	6.8	14.3
89.5°	2.5	1.0	0.6	0.0	0.0	0.0	1.1	1.9	3.0	5.0	11.4
90°	1.1	0.4	0.3	0.0	0.0	0.0	0.0	0.4	1.4	3.1	8.4



TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
92°	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.1	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.1	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
115°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
117°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
117.5°	0.1	0.1	0.1	0.1	0.3	0.0	0.0	0.1	0.0	0.0	0.0
118°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
118.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
119°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0
120.5°	0.1	0.1	0.1	0.1	0.3	0.0	0.0	0.2	0.1	0.0	0.0
121°	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.0	0.0
121.5°	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0
122°	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.0
122.5°	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.0
123°	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1
123.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.0	0.1
124°	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.0
124.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.2	0.1	0.1	0.0
125°	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.0
125.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.3	0.1	0.1	0.0
126°	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.1	0.1	0.0
126.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.0
127°	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.0
127.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.0	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2
131.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2
132°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.3
132.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.3
133°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.2
133.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.2
134°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.3
134.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.1
135°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.1
135.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.1
136°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.1

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
138°	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.3	0.3	0.3	0.1
138.5°	0.2	0.3	0.2	0.1	0.1	0.2	0.1	0.3	0.3	0.2	0.1
139°	0.2	0.3	0.2	0.1	0.1	0.2	0.1	0.3	0.3	0.3	0.1
139.5°	0.2	0.3	0.1	0.1	0.1	0.2	0.1	0.3	0.3	0.3	0.1
140°	0.3	0.3	0.1	0.3	0.1	0.2	0.2	0.3	0.3	0.3	0.1
140.5°	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.1
141°	0.3	0.4	0.2	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.2
141.5°	0.3	0.4	0.2	0.2	0.1	0.2	0.1	0.4	0.3	0.3	0.2
142°	0.3	0.4	0.2	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.2
142.5°	0.3	0.5	0.3	0.3	0.1	0.2	0.1	0.3	0.3	0.3	0.2
143°	0.3	0.6	0.2	0.3	0.1	0.2	0.1	0.3	0.4	0.3	0.2
143.5°	0.4	0.6	0.3	0.3	0.1	0.2	0.1	0.3	0.4	0.3	0.2
144°	0.3	0.7	0.3	0.3	0.1	0.2	0.1	0.5	0.4	0.3	0.2
144.5°	0.4	0.7	0.3	0.3	0.1	0.3	0.1	0.5	0.4	0.3	0.3
145°	0.5	0.7	0.3	0.3	0.1	0.3	0.2	0.4	0.4	0.3	0.3
145.5°	0.5	0.7	0.3	0.3	0.1	0.3	0.2	0.4	0.4	0.3	0.2
146°	0.5	0.7	0.5	0.5	0.2	0.3	0.2	0.4	0.4	0.3	0.2
146.5°	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.5	0.4	0.3	0.3
147°	0.7	0.7	0.6	0.5	0.3	0.3	0.3	0.5	0.4	0.5	0.3
147.5°	0.7	0.9	0.6	0.6	0.3	0.3	0.3	0.5	0.4	0.4	0.3
148°	0.9	0.9	0.5	0.7	0.3	0.4	0.3	0.5	0.5	0.4	0.3
148.5°	0.9	0.9	0.7	0.8	0.3	0.4	0.3	0.5	0.5	0.4	0.3
149°	0.9	0.9	0.7	0.9	0.3	0.4	0.3	0.5	0.5	0.4	0.3
149.5°	0.9	0.9	0.8	0.9	0.3	0.5	0.4	0.5	0.5	0.5	0.4
150°	1.1	0.9	0.9	0.9	0.3	0.5	0.4	0.5	0.6	0.5	0.4
150.5°	1.1	0.9	1.0	0.9	0.3	0.4	0.3	0.7	0.6	0.5	0.3
151°	1.1	1.0	1.0	1.1	0.3	0.5	0.4	0.6	0.6	0.5	0.4
151.5°	1.1	1.0	1.0	1.1	0.5	0.5	0.3	0.6	0.7	0.5	0.4
152°	1.1	1.0	1.0	1.0	0.5	0.5	0.3	0.6	0.7	0.7	0.5
152.5°	1.1	1.0	1.1	1.0	0.5	0.5	0.5	0.7	0.7	0.6	0.5
153°	1.1	1.0	1.1	1.0	0.5	0.5	0.5	0.7	0.7	0.6	0.5
153.5°	1.1	1.0	1.0	1.0	0.5	0.6	0.5	0.7	0.7	0.6	0.5
154°	1.1	1.0	1.0	1.0	0.7	0.5	0.5	0.7	0.7	0.7	0.6
154.5°	1.1	1.1	1.1	1.0	0.6	0.6	0.6	0.7	0.7	0.8	0.7
155°	1.1	1.1	1.1	1.1	0.7	0.6	0.6	0.7	0.8	0.9	0.7
155.5°	1.2	1.1	1.1	1.1	0.7	0.6	0.6	0.8	0.8	0.9	0.8
156°	1.2	1.1	1.1	1.1	0.7	0.7	0.7	0.8	0.8	0.9	0.7
156.5°	1.1	1.1	1.1	1.1	0.7	0.7	0.7	0.9	0.8	0.9	0.8
157°	1.1	1.1	1.1	1.1	0.7	0.8	0.8	0.9	1.0	0.9	0.9
157.5°	1.1	1.1	1.2	1.1	0.7	0.8	0.9	0.9	0.9	0.9	0.9
158°	1.1	1.1	1.2	1.1	0.8	0.9	0.9	1.0	0.9	1.1	1.1
158.5°	1.1	1.1	1.1	1.1	0.9	0.9	0.9	1.0	1.1	1.0	1.1
159°	1.1	1.2	1.1	1.1	0.9	0.9	0.9	1.0	1.1	1.0	1.1

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CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
161°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.3
161.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.3
162°	1.1	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.1	1.3
162.5°	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.0	1.1	1.3
163°	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.3
163.5°	1.1	1.3	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.3
164°	1.1	1.3	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.4
164.5°	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.4
165°	1.1	1.2	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.3
165.5°	1.1	1.2	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.3
166°	1.1	1.3	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.3
166.5°	1.1	1.3	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.4
167°	1.1	1.3	1.1	1.1	1.1	1.1	1.4	1.1	1.1	1.1	1.4
167.5°	1.1	1.3	1.1	1.1	1.2	1.1	1.5	1.1	1.1	1.1	1.4
168°	1.1	1.3	1.1	1.1	1.1	1.1	1.5	1.1	1.1	1.1	1.5
168.5°	1.1	1.3	1.1	1.1	1.1	1.1	1.4	1.1	1.1	1.1	1.4
169°	1.1	1.3	1.1	1.1	0.9	1.1	1.4	1.1	1.1	1.1	1.5
169.5°	1.1	1.3	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
170°	1.1	1.3	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
170.5°	1.1	1.3	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
171°	1.1	1.3	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
171.5°	1.1	1.5	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
172°	1.1	1.5	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
172.5°	1.1	1.5	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
173°	1.1	1.5	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
173.5°	1.1	1.5	1.1	1.1	1.2	1.1	1.4	1.1	1.1	1.1	1.5
174°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
174.5°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
175°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
175.5°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
176°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
176.5°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
177°	1.1	1.5	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.1	1.5
177.5°	1.1	1.5	1.1	1.3	1.2	1.1	1.4	1.1	1.1	1.1	1.5
178°	1.1	1.5	1.1	1.3	1.2	1.1	1.4	1.1	1.1	1.1	1.5
178.5°	1.1	1.5	1.1	1.3	1.2	1.1	1.4	1.1	1.1	1.1	1.5
179°	1.1	1.5	1.1	1.3	1.2	1.1	1.4	1.1	1.1	1.1	1.5
179.5°	1.1	1.5	1.1	1.3	1.2	1.1	1.4	1.1	1.1	1.1	1.5
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

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CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	611.1	611.1	611.1	611.1	611.1	611.1
0.5°	610.7	611.5	611.5	611.4	611.2	611.1
1°	610.5	611.8	611.5	611.6	611.2	611.1
1.5°	610.5	611.9	611.6	611.7	611.2	611.1
2°	610.5	611.9	611.8	611.7	611.2	611.1
2.5°	610.5	611.9	611.8	611.7	611.1	610.8
3°	610.4	611.8	611.8	611.7	611.0	610.7
3.5°	610.1	611.7	611.6	611.6	610.9	610.5
4°	610.0	611.6	611.4	611.3	610.2	610.1
4.5°	609.6	611.1	611.1	610.8	609.7	609.6
5°	609.2	610.8	610.8	610.6	609.1	609.1
5.5°	608.7	610.4	610.4	610.1	608.8	608.5
6°	608.3	610.0	609.7	609.6	608.2	607.8
6.5°	607.8	609.5	609.3	608.8	607.8	607.3
7°	607.2	608.8	608.6	608.2	606.9	606.3
7.5°	606.6	608.2	607.9	607.6	606.3	605.6
8°	606.0	607.3	607.3	607.0	605.4	604.8
8.5°	605.2	606.7	606.5	606.0	604.2	603.9
9°	604.4	605.8	605.8	605.3	603.5	602.8
9.5°	603.5	604.9	604.9	604.4	602.8	601.9
10°	602.5	604.2	603.8	603.5	601.6	600.8
10.5°	601.7	603.2	603.0	602.4	600.7	599.6
11°	600.6	602.1	602.0	601.4	599.6	598.6
11.5°	599.4	601.2	600.6	600.2	598.5	597.2
12°	598.3	599.8	599.5	598.9	597.5	595.9
12.5°	597.3	598.7	598.5	597.8	596.2	594.8
13°	595.9	597.6	597.2	596.4	594.7	593.5
13.5°	594.6	596.4	595.9	594.9	593.3	591.9
14°	593.4	595.1	594.8	593.7	591.9	590.5
14.5°	591.9	593.7	593.6	592.2	590.5	589.1
15°	590.5	592.3	591.9	591.0	589.1	587.3
15.5°	589.1	590.7	590.4	589.4	587.4	585.7
16°	587.6	589.1	588.7	588.1	585.8	584.1
16.5°	586.0	587.7	587.1	586.3	584.1	582.4
17°	584.5	585.9	585.6	584.5	582.4	580.5
17.5°	582.8	584.1	583.7	582.9	580.8	578.8
18°	581.0	582.4	582.1	581.1	578.9	576.8
18.5°	579.1	580.7	580.3	579.1	577.2	574.8
19°	577.3	578.8	578.4	577.2	575.1	572.8
19.5°	575.5	576.9	576.5	575.3	573.3	570.8
20°	573.4	575.0	574.6	573.4	571.2	568.8
20.5°	571.6	573.0	572.6	571.4	569.1	566.7
21°	569.4	571.0	570.4	569.4	566.7	564.5

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
23°	560.9	562.6	562.2	560.8	558.0	555.5
23.5°	558.9	560.2	559.9	558.3	555.7	553.1
24°	556.4	557.8	557.6	556.1	553.3	550.8
24.5°	554.3	555.4	555.3	553.6	550.9	548.1
25°	551.7	553.1	552.9	551.4	548.5	545.4
25.5°	549.4	550.5	550.2	548.8	545.9	543.0
26°	546.7	548.1	547.7	546.4	543.4	540.2
26.5°	544.2	545.5	545.1	543.7	540.8	537.6
27°	541.6	542.9	542.7	541.0	538.0	534.8
27.5°	539.1	540.3	540.0	538.1	535.3	532.1
28°	536.3	537.6	537.4	535.6	532.5	529.3
28.5°	533.7	534.8	534.6	532.9	529.9	526.5
29°	530.9	531.9	531.7	530.3	527.1	523.5
29.5°	528.4	529.2	528.9	527.5	524.0	520.6
30°	525.3	526.5	526.1	524.4	521.0	517.8
30.5°	522.4	523.5	523.1	521.5	518.0	514.8
31°	519.5	520.6	520.1	518.7	515.2	511.6
31.5°	516.6	517.6	517.2	515.6	512.2	508.3
32°	513.6	514.4	514.2	512.5	509.0	505.1
32.5°	510.5	511.6	511.0	509.4	506.0	502.0
33°	507.4	508.5	508.0	506.2	502.7	498.8
33.5°	504.2	505.3	504.9	502.9	499.7	495.8
34°	501.2	502.1	501.8	499.8	496.4	492.6
34.5°	497.9	498.8	498.6	496.5	493.0	489.3
35°	494.5	495.6	495.3	493.4	489.7	485.9
35.5°	491.2	492.4	492.3	490.3	486.3	482.6
36°	487.9	489.3	488.9	487.0	483.1	479.0
36.5°	484.4	485.8	485.6	483.5	479.5	475.5
37°	481.0	482.5	482.0	480.1	476.2	472.0
37.5°	477.4	478.9	478.5	476.5	472.6	468.5
38°	474.2	475.2	474.9	472.9	469.1	464.8
38.5°	470.3	471.7	471.3	469.2	465.6	461.2
39°	466.8	468.3	467.7	465.8	462.1	457.5
39.5°	463.2	464.5	464.2	462.2	458.4	453.8
40°	459.5	461.0	460.5	458.7	454.6	449.9
40.5°	455.7	457.4	457.1	455.1	450.7	446.0
41°	452.2	453.6	453.2	451.3	447.0	442.0
41.5°	448.3	449.7	449.4	447.3	443.0	438.1
42°	444.5	445.9	445.5	443.6	439.2	434.1
42.5°	440.6	442.1	441.8	439.6	435.3	430.1
43°	436.8	438.2	437.8	435.8	431.2	426.0
43.5°	432.9	434.1	434.1	431.4	427.3	421.9
44°	428.9	430.4	430.1	427.6	423.2	417.6

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
46°	413.1	414.3	413.8	411.3	406.7	400.6
46.5°	408.9	410.3	409.8	407.4	402.3	396.3
47°	404.8	406.0	405.6	403.3	397.8	391.7
47.5°	400.5	401.8	401.4	398.9	393.5	387.5
48°	396.5	397.5	397.0	394.9	389.0	382.9
48.5°	392.4	393.4	392.9	390.7	384.6	378.6
49°	388.2	389.1	388.7	386.3	380.3	373.9
49.5°	384.0	384.8	384.5	382.0	375.7	369.6
50°	379.7	380.4	380.0	377.6	371.2	364.7
50.5°	375.5	376.0	375.7	373.2	366.6	360.3
51°	371.3	371.7	371.3	368.9	362.2	355.5
51.5°	367.1	367.3	367.1	364.6	357.7	350.8
52°	362.8	363.3	362.9	360.5	353.2	346.0
52.5°	358.6	359.0	358.5	355.9	348.5	341.3
53°	354.3	354.6	354.1	351.4	344.0	336.6
53.5°	349.9	350.2	349.5	346.8	339.2	331.8
54°	345.4	345.7	345.0	342.0	334.3	326.9
54.5°	340.9	341.2	340.5	337.2	329.5	322.5
55°	336.4	336.7	336.1	332.9	325.0	317.4
55.5°	331.9	332.2	331.4	328.2	320.3	312.7
56°	327.3	327.8	326.9	323.7	315.5	308.0
56.5°	322.8	323.2	322.1	318.9	310.7	303.2
57°	318.4	318.7	317.8	314.2	305.9	298.2
57.5°	313.9	313.9	313.1	309.4	301.2	293.5
58°	309.1	309.4	308.5	304.7	296.4	288.7
58.5°	304.5	304.7	303.9	299.9	291.7	283.9
59°	300.1	300.1	299.3	295.2	286.8	278.9
59.5°	295.3	295.4	294.7	290.6	281.8	274.2
60°	290.8	290.9	290.1	285.8	276.8	269.2
60.5°	286.1	286.3	285.4	281.0	271.7	264.4
61°	281.3	281.6	280.7	276.2	266.8	259.2
61.5°	276.9	276.8	275.9	271.4	261.8	254.3
62°	272.2	272.2	271.4	266.5	257.0	249.1
62.5°	267.5	267.4	266.5	261.6	251.8	244.1
63°	262.6	262.8	261.8	256.8	246.7	238.7
63.5°	257.8	258.1	257.1	251.7	241.3	233.6
64°	253.2	253.4	252.3	246.9	236.2	228.2
64.5°	248.3	248.6	247.6	241.8	230.9	223.3
65°	243.4	243.7	242.7	236.8	225.9	218.0
65.5°	238.4	239.0	237.8	231.7	220.5	212.9
66°	233.3	234.2	232.8	226.7	215.3	207.5
66.5°	228.5	229.3	227.9	221.6	209.9	202.4
67°	223.6	224.6	223.2	216.3	204.9	197.2

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
69°	203.2	204.9	203.6	195.7	183.8	176.5
69.5°	198.0	200.0	198.6	190.6	178.4	171.3
70°	192.8	195.1	193.7	185.4	173.3	166.2
70.5°	188.0	190.3	188.9	180.1	167.9	161.1
71°	182.8	185.3	184.0	175.0	162.9	156.0
71.5°	177.6	180.3	179.3	169.8	157.6	150.9
72°	172.7	175.4	174.1	164.5	152.5	145.8
72.5°	167.6	170.6	169.5	159.5	147.2	140.6
73°	162.5	165.6	164.5	154.5	142.2	135.4
73.5°	157.3	160.7	159.7	149.5	136.8	130.4
74°	152.6	156.1	155.0	144.5	131.8	125.3
74.5°	147.7	151.3	150.2	139.4	126.7	120.4
75°	142.7	146.6	145.6	134.6	121.6	115.2
75.5°	137.8	141.8	140.9	129.4	116.4	110.3
76°	132.8	137.0	136.0	124.5	111.2	104.9
76.5°	127.9	132.1	131.3	119.4	106.3	100.1
77°	123.1	127.4	126.5	114.6	101.1	95.0
77.5°	118.5	122.7	121.7	109.6	96.1	90.3
78°	113.6	118.0	117.1	104.7	91.1	85.4
78.5°	108.7	113.3	112.4	99.7	86.2	80.4
79°	103.9	108.6	107.6	95.0	81.1	75.4
79.5°	99.1	103.8	103.0	90.2	76.0	70.5
80°	94.4	99.1	98.2	85.4	71.2	65.7
80.5°	89.6	94.4	93.5	80.6	66.2	60.7
81°	85.0	90.0	89.1	75.9	61.2	56.1
81.5°	80.1	85.4	84.3	71.1	56.3	51.2
82°	75.4	80.8	79.7	66.4	51.4	46.6
82.5°	70.8	76.2	75.1	61.7	46.5	41.9
83°	66.2	71.5	70.5	57.3	41.6	37.3
83.5°	61.6	66.9	65.9	53.0	36.8	32.7
84°	57.3	62.5	61.4	48.8	32.1	28.5
84.5°	53.4	58.0	57.0	44.8	28.1	24.4
85°	49.4	53.5	52.6	40.9	24.5	20.8
85.5°	45.3	49.3	48.2	37.3	21.6	18.0
86°	41.4	44.9	43.9	33.9	19.3	15.9
86.5°	37.7	40.5	39.7	30.2	17.1	13.8
87°	33.6	36.5	35.3	26.9	15.0	11.7
87.5°	29.7	32.2	31.3	23.6	12.9	9.7
88°	26.2	28.2	27.2	20.3	10.9	7.7
88.5°	22.5	24.0	23.3	16.9	8.9	5.8
89°	18.9	20.3	19.3	13.6	6.8	4.0
89.5°	15.6	16.3	15.5	10.5	4.9	2.5
90°	12.3	12.6	11.8	7.2	3.6	1.1



TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
92°	0.8	1.0	1.0	0.5	0.4	0.0
92.5°	0.0	0.1	0.2	0.2	0.3	0.0
93°	0.0	0.0	0.0	0.2	0.3	0.0
93.5°	0.0	0.0	0.0	0.1	0.3	0.0
94°	0.0	0.0	0.0	0.1	0.2	0.0
94.5°	0.0	0.0	0.0	0.1	0.3	0.0
95°	0.0	0.0	0.0	0.0	0.1	0.0
95.5°	0.0	0.0	0.0	0.0	0.1	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.1	0.0
104.5°	0.0	0.0	0.0	0.0	0.1	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.1	0.0
106°	0.0	0.0	0.0	0.0	0.1	0.0
106.5°	0.0	0.0	0.0	0.0	0.1	0.0
107°	0.0	0.0	0.0	0.0	0.1	0.0
107.5°	0.0	0.0	0.0	0.0	0.1	0.0
108°	0.0	0.0	0.0	0.0	0.1	0.1
108.5°	0.0	0.0	0.0	0.0	0.1	0.1
109°	0.0	0.0	0.0	0.0	0.1	0.1
109.5°	0.0	0.0	0.0	0.0	0.1	0.1
110°	0.0	0.0	0.0	0.0	0.1	0.1
110.5°	0.0	0.4	0.0	0.0	0.2	0.1
111°	0.0	0.3	0.0	0.0	0.2	0.1
111.5°	0.0	0.3	0.0	0.0	0.2	0.1
112°	0.0	0.3	0.1	0.0	0.3	0.1
112.5°	0.0	0.0	0.1	0.1	0.2	0.1
113°	0.0	0.0	0.1	0.1	0.2	0.1

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
115°	0.0	0.0	0.2	0.1	0.2	0.1
115.5°	0.0	0.0	0.2	0.1	0.2	0.1
116°	0.0	0.0	0.2	0.1	0.2	0.1
116.5°	0.0	0.0	0.2	0.1	0.2	0.1
117°	0.0	0.0	0.2	0.1	0.2	0.1
117.5°	0.0	0.0	0.2	0.1	0.2	0.1
118°	0.1	0.1	0.2	0.1	0.2	0.1
118.5°	0.1	0.1	0.2	0.1	0.2	0.1
119°	0.0	0.1	0.2	0.1	0.2	0.1
119.5°	0.0	0.1	0.2	0.1	0.2	0.1
120°	0.0	0.1	0.2	0.1	0.2	0.1
120.5°	0.0	0.1	0.2	0.1	0.2	0.1
121°	0.0	0.1	0.2	0.1	0.2	0.1
121.5°	0.0	0.1	0.2	0.1	0.2	0.1
122°	0.1	0.1	0.2	0.1	0.2	0.1
122.5°	0.1	0.1	0.2	0.1	0.2	0.1
123°	0.1	0.1	0.3	0.1	0.2	0.1
123.5°	0.1	0.1	0.3	0.1	0.2	0.1
124°	0.1	0.1	0.2	0.1	0.2	0.1
124.5°	0.1	0.1	0.2	0.1	0.2	0.1
125°	0.1	0.1	0.2	0.1	0.2	0.1
125.5°	0.1	0.1	0.1	0.1	0.2	0.1
126°	0.1	0.1	0.1	0.1	0.2	0.1
126.5°	0.1	0.1	0.1	0.1	0.2	0.1
127°	0.1	0.1	0.1	0.1	0.2	0.1
127.5°	0.1	0.1	0.1	0.1	0.2	0.1
128°	0.2	0.1	0.1	0.1	0.2	0.1
128.5°	0.2	0.1	0.1	0.1	0.2	0.1
129°	0.2	0.1	0.1	0.1	0.2	0.1
129.5°	0.3	0.1	0.1	0.1	0.2	0.1
130°	0.3	0.1	0.1	0.1	0.2	0.1
130.5°	0.2	0.1	0.1	0.1	0.2	0.1
131°	0.2	0.1	0.1	0.1	0.2	0.1
131.5°	0.2	0.1	0.1	0.1	0.2	0.1
132°	0.3	0.1	0.1	0.1	0.2	0.1
132.5°	0.3	0.1	0.1	0.1	0.2	0.1
133°	0.3	0.1	0.1	0.1	0.2	0.1
133.5°	0.3	0.1	0.1	0.1	0.2	0.1
134°	0.3	0.1	0.1	0.1	0.2	0.1
134.5°	0.3	0.1	0.1	0.1	0.2	0.1
135°	0.3	0.1	0.1	0.1	0.2	0.1
135.5°	0.3	0.1	0.1	0.1	0.2	0.1
136°	0.3	0.1	0.1	0.1	0.2	0.1

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
138°	0.3	0.1	0.1	0.1	0.2	0.1
138.5°	0.3	0.1	0.1	0.1	0.2	0.2
139°	0.3	0.1	0.1	0.2	0.2	0.2
139.5°	0.3	0.1	0.2	0.1	0.2	0.2
140°	0.4	0.1	0.2	0.1	0.2	0.3
140.5°	0.4	0.1	0.3	0.2	0.2	0.2
141°	0.3	0.1	0.3	0.2	0.2	0.3
141.5°	0.3	0.1	0.2	0.2	0.3	0.3
142°	0.3	0.1	0.3	0.2	0.3	0.3
142.5°	0.4	0.1	0.3	0.2	0.3	0.3
143°	0.4	0.1	0.4	0.2	0.3	0.3
143.5°	0.4	0.1	0.4	0.2	0.3	0.4
144°	0.4	0.1	0.5	0.2	0.4	0.3
144.5°	0.4	0.2	0.6	0.2	0.4	0.4
145°	0.4	0.3	0.6	0.2	0.4	0.5
145.5°	0.4	0.3	0.6	0.3	0.5	0.5
146°	0.4	0.3	0.6	0.3	0.5	0.5
146.5°	0.4	0.3	0.7	0.4	0.5	0.7
147°	0.4	0.3	0.7	0.4	0.7	0.7
147.5°	0.4	0.5	0.7	0.4	0.8	0.7
148°	0.4	0.5	0.7	0.5	0.8	0.9
148.5°	0.4	0.7	0.8	0.5	0.8	0.9
149°	0.5	0.7	0.8	0.7	0.9	0.9
149.5°	0.5	0.7	0.9	0.7	0.9	0.9
150°	0.5	0.7	0.9	0.7	0.9	1.1
150.5°	0.5	0.9	0.9	0.8	1.0	1.1
151°	0.5	0.8	0.9	0.9	1.1	1.1
151.5°	0.5	0.8	0.9	0.9	1.1	1.1
152°	0.5	0.8	0.9	1.0	1.1	1.1
152.5°	0.5	0.8	0.9	1.0	1.1	1.1
153°	0.5	0.8	1.0	0.9	1.1	1.1
153.5°	0.5	0.9	1.0	1.0	1.1	1.1
154°	0.6	0.9	0.9	1.1	1.1	1.1
154.5°	0.7	1.0	1.1	1.1	1.1	1.1
155°	0.6	1.0	1.1	1.1	1.1	1.1
155.5°	0.7	1.0	1.0	1.1	1.1	1.2
156°	0.7	1.0	1.0	1.1	1.1	1.2
156.5°	0.8	1.0	1.0	1.1	1.1	1.1
157°	0.9	1.1	1.1	1.1	1.1	1.1
157.5°	0.9	1.1	1.1	1.1	1.1	1.1
158°	0.9	1.1	1.1	1.1	1.1	1.1
158.5°	1.0	1.1	1.1	1.1	1.1	1.1
159°	1.0	1.1	1.1	1.1	1.1	1.1

TEST NUMBER: A1921867A001

CATALOG NUMBER:

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
161°	1.2	1.1	1.1	1.1	1.1	1.1
161.5°	1.2	1.1	1.1	1.1	1.1	1.1
162°	1.2	1.1	1.1	1.1	1.1	1.1
162.5°	1.2	1.1	1.1	1.1	1.1	1.1
163°	1.2	1.1	1.1	1.1	1.1	1.1
163.5°	1.3	1.1	1.1	1.1	1.1	1.1
164°	1.3	1.1	1.1	1.1	1.1	1.1
164.5°	1.1	1.1	1.1	1.1	1.1	1.1
165°	1.1	1.1	1.1	1.1	1.1	1.1
165.5°	1.2	1.1	1.1	1.1	1.1	1.1
166°	1.1	1.1	1.1	1.1	1.1	1.1
166.5°	1.1	1.1	1.1	1.1	1.1	1.1
167°	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	1.1	1.1	1.1	1.1	1.1	1.1
168°	1.1	1.1	1.1	1.1	1.1	1.1
168.5°	1.1	1.1	1.1	1.1	1.1	1.1
169°	1.1	1.1	1.1	1.1	1.1	1.1
169.5°	1.1	1.1	1.1	1.1	1.1	1.1
170°	1.1	1.1	1.2	1.1	1.1	1.1
170.5°	1.1	1.1	1.2	1.1	1.1	1.1
171°	1.1	1.1	1.2	1.1	1.1	1.1
171.5°	1.1	1.1	1.2	1.1	1.1	1.1
172°	1.1	1.1	1.2	1.1	1.1	1.1
172.5°	1.1	1.1	1.3	1.1	1.1	1.1
173°	1.1	1.1	1.4	1.1	1.1	1.1
173.5°	1.1	1.1	1.4	1.1	1.1	1.1
174°	1.1	1.1	1.4	1.1	1.1	1.1
174.5°	1.1	1.1	1.3	1.1	1.1	1.1
175°	1.1	1.1	1.5	1.1	1.1	1.1
175.5°	1.1	1.1	1.5	1.1	1.1	1.1
176°	1.1	1.1	1.4	1.1	1.1	1.1
176.5°	1.1	1.1	1.4	1.1	1.1	1.1
177°	1.1	1.1	1.4	1.1	1.1	1.1
177.5°	1.1	1.1	1.4	1.1	1.1	1.1
178°	1.1	1.1	1.4	1.1	1.1	1.1
178.5°	1.1	1.1	1.4	1.1	1.1	1.1
179°	1.1	1.1	1.4	1.1	1.1	1.1
179.5°	1.1	1.1	1.4	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1	1.1

Eaton Lighting Division Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



NVLAP Lab Code: 200050-0



This test was performed under the Supervised Manufacturer's Testing Program.  
The results of this test have not been influenced by sources from within Eaton or from external interests.

Eaton Lighting Division Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



NVLAP Lab Code: 200050-0

AC Power Source			
DC Power Supply			
Room Thermometer			

Eaton Lighting Division Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



NVLAP Lab Code: 200050-0



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°

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NVLAP Lab Code: 200050-0



165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	





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21.5°	562.3	559.2	556.5	555.0	554.4	554.9	556.2	558.2	561.1	563.5	565.7
22°	560.1	556.9	554.3	552.2	552.2	552.5	553.4	555.7	558.9	561.3	563.7
22.5°	557.9	554.5	551.7	549.9	549.7	550.2	551.1	553.3	556.6	559.1	561.4



NVLAP Lab Code: 200050-0

44.5°	413.5	408.4	404.6	401.7	401.0	401.7	404.2	407.9	412.4	417.4	422.0
45°	409.2	404.1	400.6	397.6	396.9	397.7	400.0	403.7	408.1	413.2	417.9
45.5°	405.0	399.8	396.2	393.5	392.8	393.4	395.9	399.4	403.7	409.0	413.9



NVLAP Lab Code: 200050-0

67.5°	192.1	189.3	188.7	187.2	185.8	186.4	187.6	188.7	192.8	198.3	208.9
68°	186.7	184.1	183.6	182.1	180.6	181.2	182.3	183.5	187.7	193.1	203.6
68.5°	181.7	179.0	178.5	177.2	175.5	176.3	177.0	178.3	182.4	188.0	198.6

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NVLAP Lab Code: 200050-0

90.5°	0.4	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6
91°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.2
91.5°	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



NVLAP Lab Code: 200050-0

113.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0



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136.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.1
137°	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.1
137.5°	0.1	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.3	0.2	0.1



NVLAP Lab Code: 200050-0

159.5°	1.1	1.2	1.1	1.1	1.1	1.0	1.1	1.1	1.0	1.1	1.2
160°	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.2
160.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.2

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21.5°	567.4	569.0	568.4	567.3	564.8	562.3
22°	565.3	566.6	566.4	565.2	562.5	560.1
22.5°	563.3	564.8	564.2	563.0	560.3	557.9

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44.5°	425.1	426.6	426.2	423.7	419.1	413.5
45°	421.0	422.7	421.9	419.7	415.0	409.2
45.5°	417.0	418.5	417.9	415.4	410.7	405.0

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67.5°	218.3	219.6	218.3	211.0	199.4	192.1
68°	213.2	214.7	213.4	205.9	194.2	186.7
68.5°	208.4	209.8	208.5	200.8	188.8	181.7

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90.5°	9.0	8.9	8.1	4.7	2.6	0.4
91°	5.8	5.2	4.8	3.0	1.5	0.0
91.5°	2.8	2.6	2.7	1.7	0.7	0.0

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113.5°	0.0	0.0	0.1	0.1	0.2	0.1
114°	0.0	0.0	0.1	0.1	0.2	0.1
114.5°	0.0	0.0	0.2	0.1	0.2	0.1

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136.5°	0.3	0.1	0.1	0.1	0.2	0.1
137°	0.3	0.1	0.1	0.1	0.2	0.1
137.5°	0.3	0.1	0.1	0.1	0.2	0.1

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159.5°	1.1	<i>1.1</i>	1.1	1.1	1.1	1.1
160°	1.1	<i>1.1</i>	1.1	1.1	1.1	1.1
160.5°	1.1	<i>1.1</i>	1.1	1.1	1.1	1.1