

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: A2000670A001

Luminaire Tested:

Test Date: 2020-01-10

Tested By:

Approved By:



NVLAP Lab Code: 200050-0

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

Test Method: LM-79-08
 Report Number: A2000670A001
 Test Lab: LEEDARSON
 Test Date: 2020-01-10
 Manufacturer: LEEDARSON
 Product Line:
 Catalog Number:
 Description: HLB8LS9FSE010MWR
 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: 2352.1 lumens
 Efficiency: N/A
 Efficacy: 75.8 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

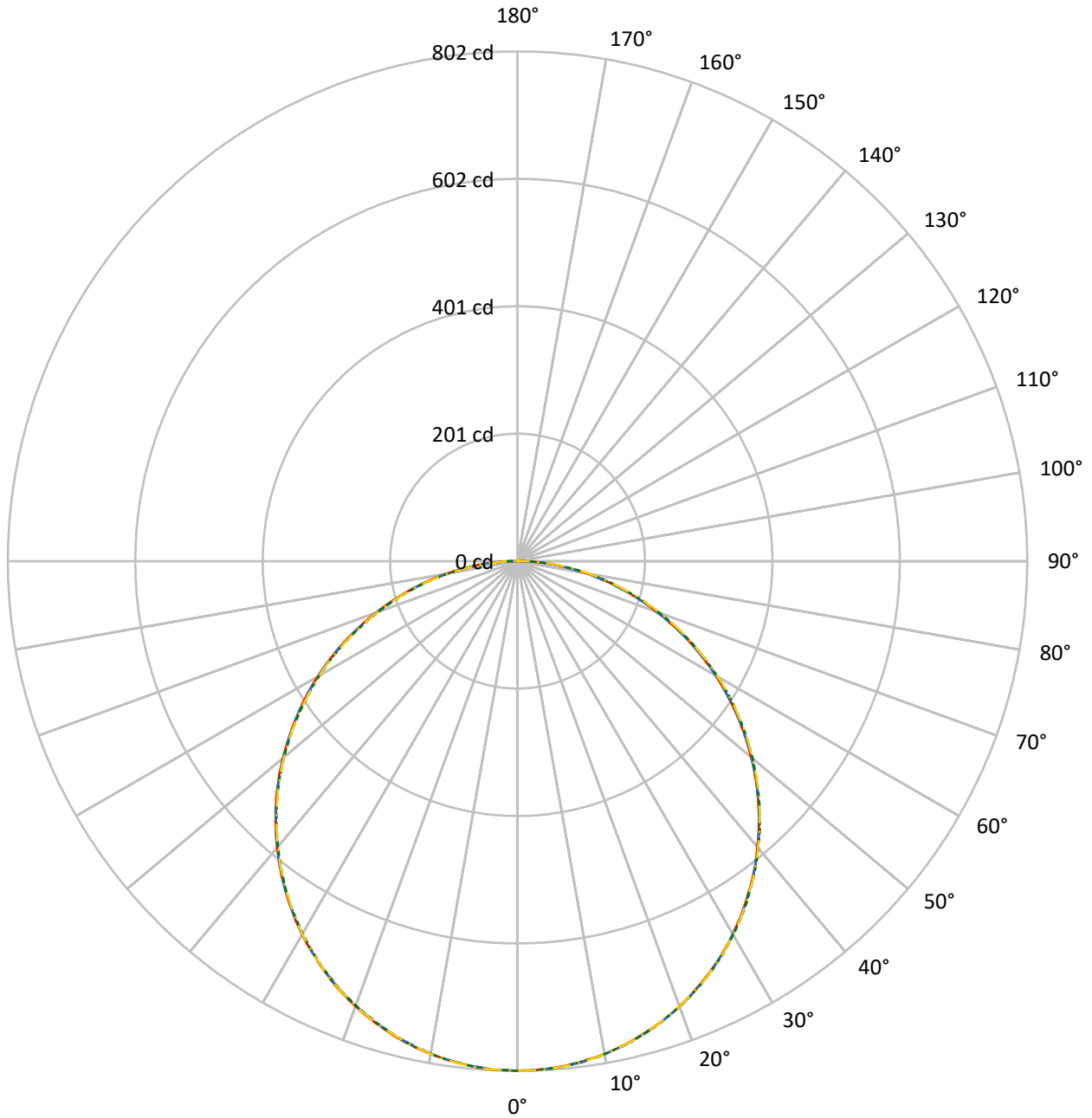
Input Watts (W): 31.0502
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT

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

TEST NUMBER: A2000670A001

CATALOG NUMBER:

Luminous Intensity Polar Plot



TEST NUMBER: A2000670A001

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57																			
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	55	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	3.2
10°-20°	217.3	9.2
20°-30°	329.4	14.0
30°-40°	397.6	16.9
40°-50°	413.9	17.6
50°-60°	377.7	16.1
60°-70°	295.7	12.6
70°-80°	182.1	7.7
80°-90°	59.5	2.5
90°-100°	0.4	0.0
100°-110°	0.1	0.0
110°-120°	0.2	0.0
120°-130°	0.2	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.6	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	622.5	26.5
0°-40°	1020.1	43.4
0°-60°	1811.6	77.0
0°-90°	2349.0	99.9
90°-120°	0.6	0.0
90°-150°	1.9	0.1
90°-180°	3.0	0.1
0°-180°	2352.1	100.0

AVERAGE LUMINANCE (cd/sqm):

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

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	802	802	802	802	802	
5°	798	799	798	798	798	76
15°	770	770	770	769	770	217
25°	715	716	715	714	715	329
35°	635	637	636	635	635	397
45°	536	539	538	535	536	413
55°	421	425	424	421	421	376
65°	298	301	300	297	298	294
75°	171	175	175	170	171	180
85°	52	56	56	51	52	54
90°	5	7	8	4	5	4
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°	1	0	0	1	1	1
145°	1	1	1	1	1	1
155°	2	1	1	1	2	1

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	802.4	802.4	802.4	802.4	802.4	802.4	802.4	802.4	802.4	802.4	802.4
0.5°	801.9	801.8	802.3	802.1	801.9	802.2	802.4	801.9	802.2	802.0	802.2
1°	802.0	801.8	802.0	801.9	801.9	802.0	802.3	801.9	801.8	802.0	802.0
1.5°	801.7	801.5	802.2	801.7	801.9	801.8	802.1	801.7	802.0	802.0	801.7
2°	801.6	801.4	801.9	801.6	801.4	801.7	801.8	801.4	801.6	801.8	801.8
2.5°	801.2	801.1	801.5	801.5	801.3	801.6	801.1	801.2	801.7	801.1	801.6
3°	801.0	801.0	801.3	801.0	800.9	801.2	801.0	800.4	801.2	800.8	801.2
3.5°	800.3	800.5	800.6	800.6	801.0	801.2	800.6	800.3	800.3	800.1	800.6
4°	800.1	799.8	799.9	800.0	800.3	800.9	800.4	799.6	799.7	799.8	799.7
4.5°	799.3	799.2	799.9	799.2	799.9	800.1	799.5	799.1	799.0	798.9	798.9
5°	798.4	798.4	799.1	798.8	799.1	799.3	798.8	798.2	798.4	798.9	798.3
5.5°	797.8	797.3	798.4	797.6	798.1	798.4	798.1	797.7	797.8	797.9	797.6
6°	796.7	796.4	797.8	796.9	797.3	797.5	797.5	797.0	796.8	796.9	796.7
6.5°	795.9	795.9	796.8	795.8	796.4	796.7	796.5	795.9	795.6	796.0	795.7
7°	795.2	795.2	796.1	795.1	795.2	795.5	795.6	794.9	794.9	795.1	794.6
7.5°	794.1	794.2	795.2	794.1	794.1	794.4	794.4	793.8	794.1	794.0	793.4
8°	792.8	793.2	793.7	792.9	792.9	793.4	793.5	792.9	793.3	793.0	792.4
8.5°	791.6	791.6	792.7	791.9	792.1	792.2	792.0	791.7	791.7	791.5	791.2
9°	790.6	790.5	791.1	790.6	790.8	791.0	790.7	790.4	790.2	790.3	790.2
9.5°	789.1	789.2	790.1	789.2	789.8	789.7	789.6	789.1	788.8	788.9	788.8
10°	787.9	787.8	788.3	788.0	788.1	788.4	788.5	788.0	787.9	787.6	787.0
10.5°	786.3	786.2	786.9	786.3	786.6	786.9	787.0	786.4	786.4	786.2	785.5
11°	784.6	784.9	784.9	785.0	785.1	785.0	785.4	784.8	785.1	784.3	783.8
11.5°	783.1	783.2	783.5	783.4	783.3	783.5	783.5	783.2	783.4	782.7	782.0
12°	781.5	781.7	782.0	781.8	781.3	781.7	781.7	781.2	781.9	781.2	780.4
12.5°	779.7	779.7	780.6	779.6	780.0	780.0	780.0	779.3	779.6	779.2	778.8
13°	777.9	778.0	778.5	778.1	778.4	778.1	778.4	777.5	778.2	777.7	776.9
13.5°	776.0	776.0	777.0	776.4	776.6	776.4	776.4	775.8	776.2	775.6	775.5
14°	773.8	774.4	775.0	774.4	774.4	774.3	774.4	773.6	774.3	773.4	773.2
14.5°	771.5	772.3	772.5	772.2	772.5	772.2	772.2	771.6	772.3	771.6	771.2
15°	769.6	770.0	770.5	770.1	770.1	770.3	770.0	769.5	770.3	769.7	769.0
15.5°	767.3	767.5	768.3	767.7	768.4	768.2	767.9	767.2	767.9	767.3	767.0
16°	765.4	765.6	766.3	765.4	766.1	765.9	765.7	765.0	765.6	765.1	764.4
16.5°	763.2	763.3	764.0	763.2	764.0	763.8	763.5	763.0	763.4	762.8	762.2
17°	761.0	761.2	761.5	761.1	761.9	761.4	761.2	760.7	761.2	760.9	759.7
17.5°	758.6	758.8	759.2	758.7	759.0	759.2	758.7	758.1	758.5	758.0	757.5
18°	756.4	756.2	756.5	756.3	756.3	756.7	756.3	755.8	756.1	755.7	755.2
18.5°	753.6	753.6	754.0	753.8	753.9	754.2	754.0	753.4	753.6	753.3	752.8
19°	751.2	751.3	751.4	751.1	751.3	751.3	751.2	750.9	751.2	751.0	750.0
19.5°	748.7	748.5	749.1	748.8	748.8	748.9	748.5	748.7	748.4	747.8	747.4
20°	745.9	745.8	746.2	746.0	746.2	746.0	745.9	745.6	745.6	744.9	744.7
20.5°	742.7	742.7	743.4	742.8	743.7	743.4	743.0	742.8	743.0	742.4	742.0
21°	740.2	740.0	740.4	739.9	740.9	740.4	740.3	739.8	740.2	739.3	738.8

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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°
23°	727.7	728.0	728.6	727.4	728.7	728.4	728.3	727.9	728.4	727.4	727.0
23.5°	724.6	724.9	725.4	724.3	725.5	725.4	725.5	724.7	725.3	723.9	724.2
24°	721.5	721.5	722.2	721.0	722.4	722.1	722.3	721.4	722.0	721.1	721.0
24.5°	718.1	718.4	718.6	717.9	719.3	719.1	719.0	718.1	718.2	717.6	717.6
25°	714.8	715.0	715.3	714.3	716.0	715.6	715.5	714.7	715.0	714.4	714.3
25.5°	711.3	711.6	711.7	710.9	712.8	712.4	712.0	711.6	711.4	711.0	711.0
26°	707.9	708.1	708.4	707.4	709.3	708.7	708.6	708.2	708.2	708.1	707.5
26.5°	704.4	704.3	704.8	704.3	705.3	705.2	705.1	704.7	704.2	704.1	704.1
27°	701.0	700.7	701.1	700.7	701.6	701.5	701.6	701.1	700.4	700.5	700.3
27.5°	697.3	697.1	697.1	696.9	698.4	697.9	698.0	697.6	696.9	696.9	696.9
28°	693.6	693.3	693.6	693.4	694.6	694.2	694.3	693.8	693.8	693.5	693.1
28.5°	689.9	689.5	689.8	689.7	691.0	690.5	690.6	690.4	690.1	689.7	689.3
29°	686.1	685.7	685.8	685.9	687.1	686.7	686.6	686.4	686.6	686.4	685.7
29.5°	681.6	681.8	681.7	681.9	683.1	682.7	682.7	682.4	682.5	682.2	681.9
30°	678.0	678.1	677.8	677.9	679.3	678.8	678.8	678.3	678.4	678.1	678.0
30.5°	673.6	674.0	673.9	673.9	675.4	674.7	674.8	674.4	674.1	674.3	674.2
31°	669.8	670.2	670.0	670.3	671.1	670.8	670.7	670.2	670.5	670.2	670.2
31.5°	665.4	665.8	665.9	666.1	667.1	666.7	666.7	666.4	666.5	666.3	666.0
32°	661.5	661.7	661.7	661.8	663.3	662.4	662.6	662.4	662.1	661.7	661.8
32.5°	657.1	657.4	657.4	657.7	659.1	658.4	658.4	658.3	657.8	657.7	657.5
33°	652.9	653.0	653.1	653.5	654.9	654.2	654.3	653.8	653.6	653.3	653.6
33.5°	648.6	648.9	649.0	649.1	650.5	649.7	649.7	649.5	649.1	648.8	649.3
34°	643.8	644.3	644.5	644.8	646.4	645.6	645.3	645.2	645.1	644.9	645.0
34.5°	639.1	639.8	640.1	640.1	641.5	641.0	641.0	640.8	640.7	640.5	640.5
35°	634.9	635.1	635.9	635.4	636.6	636.6	636.3	636.4	636.1	635.9	636.0
35.5°	630.6	630.5	631.0	630.7	632.0	632.0	631.7	631.7	631.4	631.2	631.4
36°	626.2	625.9	626.7	626.4	627.8	627.7	627.6	627.1	627.0	626.8	626.9
36.5°	621.5	621.2	621.8	621.5	623.4	623.2	622.9	622.8	622.4	622.4	622.4
37°	617.0	616.4	617.3	617.0	618.7	618.4	617.9	618.1	618.0	617.4	617.5
37.5°	612.1	611.9	612.4	612.0	613.8	613.7	613.4	613.1	612.9	612.9	612.9
38°	607.4	607.2	607.5	607.4	609.2	608.7	608.5	608.4	608.4	608.3	608.1
38.5°	602.6	602.6	602.7	602.3	604.3	603.8	603.8	603.7	603.6	603.8	603.5
39°	597.7	597.7	598.0	597.4	599.4	598.9	599.2	598.9	598.8	598.8	598.3
39.5°	592.5	592.8	593.0	592.7	594.6	594.1	594.1	593.6	593.9	593.9	593.7
40°	587.5	587.8	588.1	587.8	590.0	589.2	589.3	588.9	589.1	588.8	588.5
40.5°	582.5	582.8	582.9	582.4	584.8	584.2	584.3	584.2	584.1	583.6	583.9
41°	577.3	577.6	578.2	577.7	579.9	579.3	579.4	579.3	579.1	578.6	578.6
41.5°	572.5	572.4	572.9	572.5	575.1	574.5	574.3	574.1	574.0	573.7	573.8
42°	567.3	567.2	567.8	567.5	570.1	569.5	569.5	568.9	569.0	568.5	568.1
42.5°	562.2	562.2	562.6	562.2	564.8	564.4	564.4	563.8	563.6	563.4	563.6
43°	557.1	557.1	557.4	557.3	559.5	559.6	559.3	558.7	558.7	558.3	558.3
43.5°	552.0	551.9	551.9	552.2	554.0	554.2	554.1	553.4	553.2	553.1	553.2
44°	547.0	546.7	546.8	546.8	548.8	548.7	549.0	548.1	548.4	548.0	547.6

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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°	525.0	525.6	525.2	525.4	527.6	527.3	527.8	527.1	527.3	526.6	526.3
46.5°	519.9	520.2	520.0	519.7	521.9	521.6	522.4	521.8	521.5	521.3	520.9
47°	514.1	514.4	514.4	514.4	516.4	516.2	516.9	516.0	515.8	515.7	515.6
47.5°	508.5	508.8	508.7	508.7	510.7	510.7	511.2	510.7	510.6	510.1	510.0
48°	503.0	503.3	503.1	503.2	505.1	505.4	505.7	505.0	505.0	504.7	504.5
48.5°	497.3	497.5	497.7	497.5	499.6	499.4	499.9	499.2	499.4	498.9	498.9
49°	491.4	492.0	492.0	492.1	494.1	493.8	494.3	493.6	493.6	493.6	493.1
49.5°	486.0	486.2	486.2	486.5	488.5	488.4	488.5	488.1	488.0	487.9	487.4
50°	480.1	480.5	480.6	481.0	483.1	483.1	483.1	482.3	482.3	482.2	481.8
50.5°	474.4	474.8	474.8	475.1	477.3	477.1	477.1	476.6	476.4	476.2	476.1
51°	468.4	468.8	469.1	469.4	471.4	471.5	471.4	470.8	470.2	470.6	470.2
51.5°	462.6	462.9	462.8	463.4	465.6	465.6	465.7	465.3	464.5	464.6	464.4
52°	456.8	457.1	457.1	457.6	460.0	459.9	460.3	459.3	458.7	459.0	458.4
52.5°	450.9	451.0	451.2	451.6	454.1	454.0	454.4	453.9	453.0	453.1	452.8
53°	445.3	445.2	445.2	445.6	448.1	448.3	448.4	447.7	447.2	447.2	446.8
53.5°	439.1	439.1	439.2	439.7	442.3	442.3	442.7	442.0	441.6	441.3	441.1
54°	433.1	433.1	433.4	433.7	436.4	436.6	436.6	436.1	435.6	435.3	435.1
54.5°	427.2	427.1	427.4	427.6	430.7	430.6	430.8	430.5	429.5	429.3	429.5
55°	421.1	421.3	421.7	421.8	424.8	425.0	424.9	424.5	423.9	423.7	423.3
55.5°	415.2	414.8	415.5	415.6	418.8	419.0	419.2	418.7	418.0	417.7	417.5
56°	409.0	409.0	409.5	409.4	412.5	413.3	413.2	412.7	411.8	411.7	411.3
56.5°	403.1	402.8	403.4	403.5	406.9	407.3	407.1	407.0	406.0	405.5	405.3
57°	396.7	396.9	397.3	397.2	400.9	401.2	401.0	400.7	399.6	399.6	399.3
57.5°	390.7	390.4	391.0	391.2	395.0	394.7	394.9	394.6	393.7	393.3	393.2
58°	384.5	384.7	385.1	385.0	388.9	388.8	388.6	388.6	387.9	387.4	387.1
58.5°	378.7	378.6	378.9	379.0	382.4	382.8	382.7	382.5	382.1	381.1	380.9
59°	372.4	372.1	372.6	372.7	376.4	377.0	376.6	376.2	375.7	375.1	374.8
59.5°	366.4	365.7	366.5	366.4	370.2	370.7	370.2	370.0	369.4	368.9	368.7
60°	360.1	359.9	360.4	360.1	364.1	364.5	364.1	363.9	362.7	362.7	362.5
60.5°	354.2	353.9	354.1	354.1	357.8	358.4	358.1	357.9	357.0	356.6	356.6
61°	347.8	347.7	347.9	347.9	351.5	352.1	351.9	351.8	351.0	350.6	350.4
61.5°	341.9	341.4	341.7	341.5	345.0	345.8	345.8	345.4	344.8	344.2	344.1
62°	335.4	335.1	335.2	335.3	338.9	339.7	339.5	339.3	338.4	338.0	337.7
62.5°	329.0	328.7	328.8	329.0	332.7	333.7	333.5	333.2	332.3	331.6	330.9
63°	322.8	322.3	322.6	322.8	326.4	327.1	326.9	326.8	326.0	325.1	324.6
63.5°	316.6	316.0	316.4	316.4	320.2	320.8	320.8	320.5	320.0	318.7	318.6
64°	310.2	309.6	310.0	310.0	313.8	314.4	314.3	313.9	313.2	312.5	312.4
64.5°	304.0	303.3	303.7	303.8	307.3	308.1	308.1	307.6	306.9	306.2	306.1
65°	297.6	297.1	297.3	297.4	301.1	301.5	301.6	301.5	300.5	299.9	299.5
65.5°	291.3	290.7	290.8	291.0	294.7	295.3	295.3	294.8	294.1	293.7	292.9
66°	284.8	284.6	284.3	284.7	288.4	289.1	289.0	288.6	287.9	287.1	286.8
66.5°	278.1	278.0	278.0	278.3	282.0	282.9	282.9	282.1	281.6	280.9	280.4
67°	271.9	271.7	271.5	272.1	275.7	276.4	276.5	276.0	275.0	274.4	273.9

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
69°	246.0	246.1	245.9	246.4	250.2	251.0	251.3	250.8	250.0	248.9	248.1
69.5°	239.4	239.7	239.6	240.0	243.9	244.9	245.0	244.1	243.6	242.6	241.7
70°	233.1	233.3	233.2	233.7	237.6	238.3	238.3	237.9	237.2	236.3	235.4
70.5°	226.8	227.0	226.6	227.5	231.3	231.9	232.2	231.5	231.1	229.9	229.0
71°	220.6	220.8	220.4	221.2	225.1	225.6	225.8	225.4	224.8	223.8	222.6
71.5°	214.3	214.3	214.1	214.9	218.8	219.3	219.6	218.8	218.5	217.4	216.5
72°	208.0	208.1	207.7	208.5	212.5	212.9	213.3	212.5	212.1	211.2	210.1
72.5°	201.8	201.9	201.3	202.4	206.2	206.6	206.9	206.1	206.0	204.9	203.7
73°	195.6	195.6	195.0	196.0	199.8	200.4	200.6	199.8	199.6	198.3	197.3
73.5°	189.1	189.2	188.6	189.8	193.3	194.0	194.5	193.4	193.3	192.2	191.1
74°	183.0	183.0	182.5	183.5	187.3	187.6	188.1	187.4	187.0	186.2	184.9
74.5°	176.9	176.8	176.2	177.1	180.9	181.2	181.9	181.0	180.9	180.0	178.5
75°	170.6	170.5	169.8	171.1	174.7	175.0	175.6	174.9	174.7	173.7	172.1
75.5°	164.4	164.4	163.5	164.9	168.5	168.6	169.3	168.6	168.4	167.3	165.8
76°	158.3	158.0	157.3	158.5	162.2	162.4	163.1	162.4	162.1	161.1	159.6
76.5°	152.3	152.0	151.0	152.5	156.0	156.3	157.1	156.1	155.9	155.1	153.5
77°	146.0	145.9	144.8	146.3	150.1	150.2	150.9	150.2	149.9	149.0	147.4
77.5°	139.8	139.8	138.6	140.0	143.9	144.0	144.9	144.2	143.7	142.8	141.3
78°	133.6	133.5	132.3	133.8	137.8	137.9	138.5	138.0	137.7	136.7	135.0
78.5°	127.8	127.4	126.4	127.8	131.6	131.7	132.5	131.9	131.4	130.6	128.8
79°	121.5	121.3	120.3	121.7	125.4	125.7	126.3	126.0	125.7	124.4	122.9
79.5°	115.5	115.3	114.1	115.5	119.6	119.7	120.4	120.0	119.6	118.6	116.8
80°	109.4	109.2	108.0	109.5	113.6	113.5	114.3	114.0	113.6	112.6	110.9
80.5°	103.2	103.1	102.0	103.5	107.7	107.7	108.6	108.1	107.7	106.7	105.0
81°	97.4	97.3	96.1	97.6	101.8	101.6	102.5	102.2	101.7	100.7	99.0
81.5°	91.5	91.4	90.4	91.7	95.7	95.8	96.5	96.3	95.7	94.9	93.1
82°	85.9	85.7	84.8	86.1	89.8	89.9	90.6	90.4	89.7	88.9	87.3
82.5°	80.1	80.0	78.8	80.3	84.2	84.2	85.0	84.8	84.2	83.3	81.8
83°	74.4	74.2	73.2	74.6	78.4	78.6	79.2	79.2	78.5	77.6	75.8
83.5°	68.7	68.3	67.4	68.7	72.5	72.8	73.6	73.3	72.7	71.9	70.1
84°	62.9	62.7	61.8	63.1	67.0	67.0	67.6	67.5	67.0	66.1	64.5
84.5°	57.2	57.0	56.2	57.2	61.4	61.5	62.1	62.1	61.4	60.5	59.2
85°	51.7	51.5	50.6	51.8	55.9	55.9	56.6	56.5	55.9	55.0	53.4
85.5°	46.1	45.9	45.1	46.2	50.4	50.5	50.9	51.0	50.4	49.5	48.0
86°	40.4	40.3	39.8	40.7	44.8	45.1	45.5	45.5	44.9	44.1	42.8
86.5°	35.1	34.7	34.1	35.1	39.5	39.6	40.1	40.2	39.6	38.7	37.7
87°	29.6	29.3	28.9	29.7	34.0	34.5	34.7	34.7	34.3	33.4	32.3
87.5°	24.3	24.1	23.9	24.6	28.8	29.2	29.3	29.4	29.1	28.3	27.3
88°	19.3	19.2	19.1	19.6	23.7	24.1	24.2	24.4	24.2	23.5	22.5
88.5°	14.8	14.6	14.3	14.8	18.9	19.3	19.5	19.9	19.7	19.0	18.0
89°	11.3	11.1	10.9	11.1	14.1	14.6	15.1	15.4	15.3	14.5	13.8
89.5°	8.2	7.9	7.8	7.7	10.0	10.4	11.0	11.6	11.7	11.2	10.5
90°	5.2	5.1	4.9	4.6	6.7	7.1	7.6	8.4	8.5	7.9	7.1

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: A2000670A001

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	0.2	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.2
115.5°	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.1	0.2	0.2
116°	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2
116.5°	0.1	0.1	0.2	0.1	0.1	0.3	0.3	0.1	0.2	0.2	0.2
117°	0.1	0.1	0.2	0.1	0.0	0.3	0.3	0.1	0.2	0.3	0.1
117.5°	0.1	0.1	0.2	0.1	0.0	0.3	0.2	0.3	0.3	0.3	0.3
118°	0.1	0.1	0.2	0.1	0.0	0.3	0.2	0.3	0.3	0.3	0.3
118.5°	0.1	0.1	0.2	0.1	0.0	0.3	0.3	0.2	0.3	0.3	0.3
119°	0.1	0.1	0.2	0.1	0.0	0.3	0.3	0.2	0.3	0.3	0.3
119.5°	0.1	0.1	0.2	0.1	0.0	0.3	0.3	0.2	0.3	0.3	0.3
120°	0.1	0.1	0.2	0.1	0.0	0.4	0.3	0.2	0.3	0.3	0.3
120.5°	0.2	0.1	0.2	0.1	0.0	0.4	0.3	0.2	0.3	0.3	0.3
121°	0.2	0.1	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3
121.5°	0.2	0.1	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3
122°	0.3	0.1	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3
122.5°	0.3	0.1	0.2	0.1	0.0	0.3	0.3	0.3	0.4	0.3	0.3
123°	0.3	0.1	0.2	0.1	0.0	0.3	0.4	0.3	0.3	0.3	0.3
123.5°	0.3	0.1	0.2	0.1	0.0	0.3	0.4	0.3	0.3	0.3	0.3
124°	0.3	0.1	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.3
124.5°	0.3	0.2	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.3	0.4
125°	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.4
125.5°	0.3	0.3	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.3	0.3
126°	0.3	0.3	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.3	0.3
126.5°	0.3	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.3	0.3
127°	0.3	0.2	0.2	0.1	0.2	0.4	0.3	0.3	0.3	0.3	0.3
127.5°	0.3	0.2	0.3	0.1	0.2	0.4	0.3	0.3	0.3	0.3	0.3
128°	0.3	0.2	0.3	0.1	0.1	0.5	0.3	0.3	0.4	0.3	0.4
128.5°	0.3	0.3	0.3	0.1	0.3	0.5	0.5	0.3	0.4	0.3	0.4
129°	0.4	0.2	0.3	0.1	0.3	0.5	0.5	0.3	0.4	0.3	0.4
129.5°	0.4	0.3	0.3	0.2	0.3	0.5	0.5	0.3	0.5	0.3	0.4
130°	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.4	0.3	0.5
130.5°	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.5	0.3	0.4
131°	0.7	0.4	0.3	0.3	0.5	0.5	0.5	0.3	0.5	0.3	0.4
131.5°	0.7	0.4	0.3	0.3	0.5	0.5	0.5	0.3	0.5	0.3	0.4
132°	0.8	0.6	0.5	0.3	0.5	0.5	0.5	0.3	0.5	0.3	0.4
132.5°	0.9	0.7	0.5	0.3	0.5	0.5	0.5	0.3	0.5	0.3	0.4
133°	0.9	0.7	0.7	0.3	0.5	0.5	0.5	0.3	0.5	0.3	0.4
133.5°	1.0	0.8	0.8	0.3	0.5	0.5	0.5	0.3	0.5	0.5	0.4
134°	1.1	1.0	0.8	0.4	0.5	0.5	0.5	0.3	0.5	0.5	0.4
134.5°	1.1	1.1	0.8	0.7	0.5	0.5	0.5	0.3	0.5	0.4	0.4
135°	1.2	1.1	0.9	0.8	0.5	0.5	0.5	0.3	0.5	0.4	0.4
135.5°	1.1	1.1	1.1	0.8	0.5	0.5	0.5	0.5	0.5	0.4	0.4
136°	1.1	1.1	1.1	0.8	0.5	0.5	0.5	0.5	0.5	0.4	0.4

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
138°	1.1	1.1	1.1	1.0	0.5	0.5	0.5	0.4	0.5	0.4	0.5
138.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.4	0.5	0.4	0.4
139°	1.1	1.1	1.1	1.1	0.5	0.5	0.6	0.5	0.5	0.5	0.4
139.5°	1.1	1.1	1.1	1.1	0.6	0.5	0.6	0.4	0.5	0.5	0.5
140°	1.1	1.1	1.1	1.1	0.6	0.5	0.5	0.4	0.5	0.5	0.5
140.5°	1.1	1.1	1.1	1.2	0.5	0.5	0.5	0.6	0.5	0.5	0.6
141°	1.1	1.1	1.1	1.1	0.5	0.6	0.5	0.6	0.5	0.5	0.5
141.5°	1.1	1.1	1.1	1.1	0.5	0.6	0.5	0.5	0.6	0.5	0.5
142°	1.1	1.1	1.1	1.1	0.5	0.6	0.5	0.5	0.6	0.5	0.5
142.5°	1.1	1.1	1.1	1.1	0.5	0.7	0.5	0.6	0.6	0.5	0.5
143°	1.1	1.1	1.1	1.1	0.5	0.7	0.5	0.6	0.6	0.7	0.5
143.5°	1.1	1.1	1.1	1.1	0.5	0.7	0.6	0.6	0.7	0.7	0.5
144°	1.1	1.1	1.1	1.1	0.5	0.7	0.6	0.6	0.7	0.6	0.5
144.5°	1.1	1.1	1.1	1.1	0.6	0.8	0.6	0.7	0.7	0.6	0.7
145°	1.1	1.1	1.1	1.1	0.6	0.8	0.7	0.7	0.7	0.7	0.7
145.5°	1.1	1.1	1.1	1.1	0.4	0.8	0.7	0.7	0.7	0.7	0.7
146°	1.1	1.1	1.1	1.1	0.4	0.8	0.7	0.7	0.7	0.7	0.7
146.5°	1.1	1.1	1.1	1.1	0.4	0.8	0.7	0.7	0.7	0.7	0.7
147°	1.1	1.1	1.1	1.1	0.4	0.8	0.7	0.7	0.7	0.7	0.7
147.5°	1.1	1.1	1.1	1.1	0.5	0.8	0.7	0.8	0.7	0.7	0.7
148°	1.1	1.1	1.1	1.1	0.7	0.9	0.7	0.7	0.8	0.8	0.7
148.5°	1.1	1.1	1.1	1.1	0.8	0.9	0.8	0.7	0.8	0.9	0.7
149°	1.1	1.2	1.1	1.1	0.8	0.9	0.8	0.9	0.8	0.9	0.9
149.5°	1.2	1.2	1.1	1.1	0.8	0.9	0.8	0.9	0.9	0.9	0.9
150°	1.2	1.2	1.1	1.1	0.8	0.9	0.8	0.8	0.9	0.9	0.9
150.5°	1.2	1.2	1.1	1.1	0.8	0.9	0.8	0.8	0.9	0.9	0.9
151°	1.4	1.2	1.1	1.1	0.9	1.0	0.9	0.8	0.9	0.9	1.0
151.5°	1.4	1.3	1.1	1.1	0.9	1.0	0.9	0.8	0.9	0.9	1.0
152°	1.4	1.4	1.1	1.1	0.9	1.0	0.9	0.8	0.9	1.0	0.9
152.5°	1.4	1.3	1.2	1.1	0.9	1.0	0.9	0.8	1.0	1.0	0.9
153°	1.4	1.3	1.2	1.1	1.0	1.1	0.9	0.8	1.0	1.0	1.1
153.5°	1.4	1.4	1.3	1.2	1.0	1.1	0.9	1.0	1.0	1.1	1.1
154°	1.4	1.4	1.3	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1
154.5°	1.4	1.4	1.3	1.2	1.1	1.1	1.1	1.0	1.1	1.2	1.1
155°	1.5	1.5	1.4	1.3	1.1	1.1	1.1	1.0	1.1	1.2	1.1
155.5°	1.6	1.6	1.4	1.3	1.1	1.2	1.1	1.1	1.1	1.3	1.1
156°	1.6	1.7	1.4	1.3	1.1	1.2	1.1	1.1	1.2	1.3	1.3
156.5°	1.6	1.7	1.4	1.3	1.1	1.3	1.1	1.1	1.3	1.3	1.3
157°	1.7	1.7	1.6	1.3	1.1	1.3	1.2	1.3	1.3	1.3	1.3
157.5°	1.7	1.8	1.6	1.3	1.2	1.3	1.2	1.3	1.4	1.5	1.4
158°	1.8	1.8	1.8	1.3	1.4	1.4	1.4	1.4	1.3	1.5	1.5
158.5°	1.8	2.0	1.8	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5
159°	1.9	2.0	1.8	1.3	1.4	1.5	1.4	1.5	1.5	1.5	1.5

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
161°	2.1	2.0	1.9	1.3	1.6	1.6	1.5	1.6	1.6	1.6	1.7
161.5°	2.0	2.0	1.9	1.3	1.5	1.7	1.6	1.7	1.6	1.7	1.8
162°	2.2	2.0	1.9	1.3	1.5	1.7	1.6	1.8	1.8	1.7	1.8
162.5°	2.2	2.0	1.9	1.4	1.5	1.7	1.7	1.8	1.7	1.7	1.8
163°	2.1	2.1	2.0	1.5	1.6	1.8	1.7	1.7	1.7	1.8	1.8
163.5°	2.1	2.1	1.9	1.6	1.5	1.8	1.7	1.8	1.7	1.8	1.8
164°	2.1	2.1	2.0	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8
164.5°	2.1	2.1	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0
165°	2.1	2.1	2.0	2.0	1.8	1.9	1.8	1.8	1.8	1.9	2.0
165.5°	2.1	2.1	2.0	2.1	1.9	1.8	1.9	1.9	1.8	1.8	1.9
166°	2.2	2.1	2.0	2.1	1.8	1.9	1.9	1.9	1.8	2.0	2.0
166.5°	2.2	2.1	2.2	2.1	1.9	1.9	1.9	1.9	1.9	2.0	2.0
167°	2.2	2.1	2.2	2.1	1.9	1.9	1.9	2.0	1.9	2.0	2.0
167.5°	2.2	2.1	2.1	2.1	1.9	2.0	1.9	2.0	1.9	2.0	2.0
168°	2.2	2.1	2.1	2.1	1.9	2.0	1.9	2.0	2.0	2.0	2.0
168.5°	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.2
169°	2.2	2.1	2.1	2.1	2.0	2.0	1.9	2.1	2.0	2.0	2.1
169.5°	2.2	2.1	2.1	2.2	2.0	2.1	2.0	2.1	2.0	2.1	2.2
170°	2.2	2.1	2.1	2.2	2.0	2.1	2.0	2.1	2.0	2.1	2.2
170.5°	2.2	2.1	2.1	2.2	2.0	2.1	2.0	2.1	2.0	2.1	2.2
171°	2.2	2.1	2.1	2.2	2.2	2.1	2.0	2.2	2.0	2.1	2.2
171.5°	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.0	2.1	2.2
172°	2.2	2.1	2.1	2.2	2.1	2.2	2.2	2.2	2.0	2.1	2.2
172.5°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
173°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
173.5°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
174°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
174.5°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
175°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
175.5°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2
176°	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2
176.5°	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2
177°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2
177.5°	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.2
178°	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.2
178.5°	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.2
179°	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2
179.5°	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	802.4	802.4	802.4	802.4	802.4	802.4
0.5°	801.5	801.9	802.2	802.2	802.0	801.9
1°	801.5	801.6	801.9	802.4	802.1	802.0
1.5°	801.5	801.5	801.8	802.2	802.0	801.7
2°	801.3	801.4	801.4	801.5	801.6	801.6
2.5°	801.0	801.5	801.3	801.3	801.2	801.2
3°	800.5	801.0	800.8	801.2	800.6	801.0
3.5°	800.3	800.3	800.3	800.7	800.1	800.3
4°	799.8	799.6	799.7	800.3	799.5	800.1
4.5°	799.0	799.1	799.0	799.8	799.0	799.3
5°	798.4	798.5	798.5	799.0	798.2	798.4
5.5°	797.4	797.7	797.8	797.8	797.5	797.8
6°	796.8	796.9	797.2	797.1	796.7	796.7
6.5°	795.7	795.8	796.1	796.4	796.1	795.9
7°	794.8	794.8	795.0	795.5	795.0	795.2
7.5°	793.6	794.0	793.9	794.5	793.8	794.1
8°	792.6	792.9	792.9	792.8	792.9	792.8
8.5°	791.4	791.5	791.8	791.9	791.6	791.6
9°	790.2	790.3	790.7	790.7	790.2	790.6
9.5°	789.1	789.1	789.4	789.4	788.8	789.1
10°	787.5	787.8	787.8	787.7	787.4	787.9
10.5°	785.9	786.1	786.3	786.1	786.2	786.3
11°	784.4	784.1	784.6	784.4	784.4	784.6
11.5°	782.3	782.8	783.1	782.8	783.0	783.1
12°	780.8	781.1	781.5	781.1	780.9	781.5
12.5°	778.8	779.4	779.7	779.4	779.4	779.7
13°	777.0	777.3	777.4	777.7	777.3	777.9
13.5°	775.1	775.4	775.6	775.6	775.7	776.0
14°	773.3	773.1	773.5	773.5	773.9	773.8
14.5°	771.0	771.3	771.5	771.5	771.8	771.5
15°	769.1	768.9	769.3	769.5	769.5	769.6
15.5°	766.9	766.8	767.0	767.3	767.6	767.3
16°	765.0	764.5	764.5	765.0	765.1	765.4
16.5°	762.6	762.0	762.5	762.7	762.8	763.2
17°	760.4	759.8	760.2	760.4	760.4	761.0
17.5°	757.6	757.2	758.0	757.9	758.1	758.6
18°	755.3	754.6	755.2	755.4	755.8	756.4
18.5°	753.0	752.3	752.7	752.8	753.5	753.6
19°	750.5	749.8	750.3	750.7	750.5	751.2
19.5°	747.5	747.2	747.7	748.0	748.1	748.7
20°	745.0	744.3	744.8	745.3	745.4	745.9
20.5°	741.9	741.8	741.8	742.4	742.7	742.7
21°	739.1	738.7	738.9	739.5	739.5	740.2

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
23°	726.7	726.8	727.3	727.6	727.2	727.7
23.5°	723.7	723.7	723.8	724.4	723.7	724.6
24°	720.6	720.2	720.5	721.3	720.7	721.5
24.5°	717.3	717.0	717.1	717.9	717.7	718.1
25°	714.0	713.6	713.7	714.5	714.2	714.8
25.5°	710.7	710.6	710.2	710.8	710.9	711.3
26°	706.9	707.0	707.1	707.5	707.2	707.9
26.5°	703.5	703.2	703.3	703.7	703.8	704.4
27°	700.0	699.3	699.6	700.1	699.9	701.0
27.5°	696.6	695.9	696.2	696.0	696.5	697.3
28°	692.8	692.2	692.3	692.9	692.5	693.6
28.5°	688.9	688.5	688.4	689.3	689.0	689.9
29°	685.1	684.6	684.7	685.7	685.0	686.1
29.5°	681.5	680.9	680.9	681.6	681.1	681.6
30°	677.4	676.9	676.8	677.6	677.1	678.0
30.5°	673.6	672.9	672.9	673.4	673.1	673.6
31°	669.7	668.4	668.6	669.2	668.9	669.8
31.5°	665.8	664.3	664.6	664.9	664.8	665.4
32°	661.5	660.3	660.4	660.7	660.6	661.5
32.5°	657.4	656.3	656.5	656.7	656.4	657.1
33°	653.0	652.3	652.1	652.4	651.9	652.9
33.5°	648.8	647.7	647.7	647.9	647.6	648.6
34°	644.4	643.6	643.1	643.5	643.2	643.8
34.5°	640.1	639.0	638.8	639.1	638.8	639.1
35°	635.3	634.9	634.4	634.5	634.5	634.9
35.5°	631.0	629.7	629.8	630.0	629.9	630.6
36°	626.3	625.0	625.3	625.5	625.3	626.2
36.5°	621.8	620.4	620.5	620.9	621.0	621.5
37°	617.1	615.9	615.8	616.1	616.1	617.0
37.5°	612.2	611.0	611.3	611.4	611.3	612.1
38°	607.5	606.2	606.4	607.1	606.4	607.4
38.5°	602.7	601.2	601.3	601.7	601.8	602.6
39°	598.0	596.5	596.7	597.0	596.7	597.7
39.5°	593.0	591.9	591.8	592.2	591.8	592.5
40°	588.3	587.0	586.9	587.1	587.1	587.5
40.5°	583.2	581.7	581.8	582.2	582.1	582.5
41°	578.3	577.0	576.7	576.8	576.9	577.3
41.5°	573.1	571.7	571.5	571.8	571.9	572.5
42°	568.1	566.6	566.2	566.6	566.4	567.3
42.5°	562.8	561.5	561.3	561.8	561.6	562.2
43°	557.9	556.3	556.1	556.5	556.3	557.1
43.5°	552.7	551.2	551.1	551.2	551.1	552.0
44°	547.5	545.8	545.7	545.8	545.8	547.0

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
46°	525.8	524.7	524.5	524.8	524.4	525.0
46.5°	520.4	519.4	518.7	519.1	519.0	519.9
47°	514.8	513.7	513.2	513.6	513.3	514.1
47.5°	509.3	508.3	507.9	507.8	507.9	508.5
48°	503.8	502.3	502.1	502.4	502.1	503.0
48.5°	498.2	496.5	496.6	496.9	496.7	497.3
49°	492.6	491.0	490.9	491.4	491.0	491.4
49.5°	487.0	485.5	485.2	485.6	485.2	486.0
50°	481.1	479.8	479.6	479.7	479.7	480.1
50.5°	475.4	473.8	473.7	473.9	474.0	474.4
51°	469.8	467.8	468.0	468.2	468.2	468.4
51.5°	464.0	462.0	461.9	462.2	462.3	462.6
52°	458.3	456.2	456.0	456.5	456.4	456.8
52.5°	452.5	450.5	450.4	450.6	450.6	450.9
53°	446.5	444.6	444.4	444.8	444.8	445.3
53.5°	441.0	438.7	438.7	438.8	439.0	439.1
54°	434.6	432.5	432.3	432.7	432.9	433.1
54.5°	428.9	426.4	426.5	426.6	426.9	427.2
55°	422.8	420.5	420.5	420.8	421.0	421.1
55.5°	417.2	414.5	414.7	414.8	414.9	415.2
56°	410.8	408.3	408.7	408.6	408.6	409.0
56.5°	405.0	402.2	402.6	402.6	402.5	403.1
57°	398.8	396.3	396.5	396.2	396.5	396.7
57.5°	393.2	390.1	390.4	390.3	390.5	390.7
58°	386.5	384.1	384.3	384.3	384.4	384.5
58.5°	380.4	378.2	378.4	378.2	378.6	378.7
59°	374.1	372.2	372.2	372.2	372.5	372.4
59.5°	368.4	365.7	366.0	365.9	366.5	366.4
60°	361.9	359.7	359.9	359.9	360.1	360.1
60.5°	355.9	353.7	353.8	354.0	354.0	354.2
61°	349.7	347.6	347.8	347.7	347.9	347.8
61.5°	343.3	341.2	341.4	341.6	341.6	341.9
62°	336.9	335.1	335.3	335.6	335.5	335.4
62.5°	330.6	328.7	328.9	329.2	329.2	329.0
63°	324.3	322.5	322.8	323.1	322.8	322.8
63.5°	318.1	316.3	316.5	316.7	316.6	316.6
64°	311.8	309.9	310.1	310.2	310.2	310.2
64.5°	305.4	303.6	303.7	303.9	303.9	304.0
65°	299.0	296.9	297.5	297.5	297.6	297.6
65.5°	292.5	290.6	291.2	291.2	291.3	291.3
66°	286.1	284.4	284.8	284.9	284.8	284.8
66.5°	279.9	278.1	278.3	278.6	278.5	278.1
67°	273.4	271.5	271.9	272.2	272.2	271.9

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
69°	247.8	245.9	246.1	246.4	246.2	246.0
69.5°	241.4	239.4	239.6	239.9	240.0	239.4
70°	235.1	232.9	233.3	233.7	233.4	233.1
70.5°	228.9	226.8	226.9	227.1	227.0	226.8
71°	222.3	220.5	220.7	221.0	220.8	220.6
71.5°	216.2	214.3	214.3	214.8	214.7	214.3
72°	210.0	207.8	208.0	208.5	208.3	208.0
72.5°	203.7	201.7	201.8	202.2	202.1	201.8
73°	197.4	195.4	195.6	195.8	195.6	195.6
73.5°	191.3	189.1	189.3	189.8	189.5	189.1
74°	185.3	182.7	183.0	183.4	183.2	183.0
74.5°	178.9	176.7	176.8	177.3	177.1	176.9
75°	172.7	170.3	170.4	171.0	170.6	170.6
75.5°	166.5	164.2	164.2	164.8	164.4	164.4
76°	160.3	158.0	158.0	158.7	158.3	158.3
76.5°	154.0	151.9	151.9	152.7	152.1	152.3
77°	148.2	145.7	145.7	146.4	145.9	146.0
77.5°	142.0	139.5	139.6	140.2	139.8	139.8
78°	135.8	133.4	133.4	133.9	133.6	133.6
78.5°	129.6	127.4	127.5	127.9	127.5	127.8
79°	123.4	121.2	121.2	121.9	121.4	121.5
79.5°	117.6	115.1	115.1	115.6	115.2	115.5
80°	111.7	108.9	108.8	109.5	109.1	109.4
80.5°	105.6	102.9	103.0	103.4	103.1	103.2
81°	99.8	97.0	97.0	97.5	97.2	97.4
81.5°	93.8	91.1	90.9	91.6	91.3	91.5
82°	88.0	85.4	85.4	85.8	85.6	85.9
82.5°	82.3	79.7	79.6	79.9	79.7	80.1
83°	76.6	73.9	73.8	74.2	73.8	74.4
83.5°	70.7	67.7	68.0	68.4	68.1	68.7
84°	64.9	62.5	62.4	62.7	62.4	62.9
84.5°	59.5	56.8	56.8	56.9	56.7	57.2
85°	54.1	51.2	51.1	51.4	51.2	51.7
85.5°	48.5	45.5	45.5	45.7	45.6	46.1
86°	43.1	40.1	40.1	40.2	40.2	40.4
86.5°	37.8	34.7	34.7	34.7	34.6	35.1
87°	32.4	29.4	29.3	29.2	29.4	29.6
87.5°	27.3	24.4	24.2	23.9	24.0	24.3
88°	22.5	19.7	19.5	19.0	19.1	19.3
88.5°	17.9	15.3	15.0	14.6	14.7	14.8
89°	13.5	11.4	11.1	10.8	11.0	11.3
89.5°	9.9	7.7	7.5	7.3	7.8	8.2
90°	6.5	4.2	4.2	4.1	4.7	5.2

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	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
94°	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
95°	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
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	0.1
98.5°	0.0	0.0	0.0	0.1	0.0	0.1
99°	0.0	0.0	0.0	0.1	0.0	0.1
99.5°	0.0	0.0	0.0	0.1	0.0	0.1
100°	0.0	0.0	0.0	0.1	0.0	0.1
100.5°	0.0	0.0	0.1	0.2	0.1	0.1
101°	0.0	0.0	0.2	0.2	0.1	0.2
101.5°	0.0	0.0	0.2	0.1	0.1	0.2
102°	0.0	0.0	0.2	0.1	0.2	0.1
102.5°	0.0	0.0	0.1	0.1	0.1	0.1
103°	0.0	0.0	0.1	0.1	0.1	0.1
103.5°	0.0	0.0	0.2	0.1	0.1	0.1
104°	0.0	0.0	0.3	0.1	0.1	0.1
104.5°	0.0	0.0	0.2	0.1	0.1	0.1
105°	0.0	0.0	0.2	0.1	0.1	0.1
105.5°	0.0	0.0	0.2	0.1	0.1	0.1
106°	0.0	0.0	0.2	0.1	0.1	0.1
106.5°	0.0	0.0	0.2	0.1	0.1	0.1
107°	0.0	0.0	0.2	0.1	0.1	0.1
107.5°	0.1	0.0	0.2	0.1	0.1	0.1
108°	0.0	0.0	0.2	0.1	0.1	0.1
108.5°	0.0	0.0	0.2	0.1	0.1	0.1
109°	0.0	0.0	0.2	0.1	0.1	0.1
109.5°	0.0	0.0	0.2	0.1	0.1	0.1
110°	0.0	0.1	0.2	0.1	0.1	0.1
110.5°	0.0	0.1	0.2	0.1	0.1	0.1
111°	0.1	0.2	0.2	0.1	0.1	0.1
111.5°	0.1	0.3	0.2	0.1	0.1	0.1
112°	0.1	0.2	0.2	0.1	0.1	0.1
112.5°	0.1	0.3	0.2	0.1	0.1	0.1
113°	0.1	0.3	0.2	0.1	0.1	0.1

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
115°	0.3	0.4	0.2	0.1	0.1	0.1
115.5°	0.3	0.4	0.2	0.1	0.1	0.1
116°	0.3	0.4	0.2	0.1	0.1	0.1
116.5°	0.3	0.4	0.2	0.1	0.1	0.1
117°	0.3	0.4	0.2	0.1	0.1	0.1
117.5°	0.3	0.4	0.2	0.1	0.1	0.1
118°	0.3	0.4	0.2	0.1	0.1	0.1
118.5°	0.3	0.4	0.2	0.1	0.1	0.1
119°	0.3	0.4	0.2	0.1	0.1	0.1
119.5°	0.3	0.4	0.2	0.1	0.1	0.1
120°	0.3	0.4	0.2	0.1	0.1	0.1
120.5°	0.3	0.4	0.2	0.1	0.1	0.2
121°	0.3	0.4	0.2	0.1	0.1	0.2
121.5°	0.4	0.4	0.2	0.1	0.1	0.2
122°	0.4	0.4	0.2	0.1	0.1	0.3
122.5°	0.3	0.4	0.2	0.1	0.1	0.3
123°	0.3	0.4	0.2	0.1	0.1	0.3
123.5°	0.3	0.4	0.2	0.1	0.1	0.3
124°	0.3	0.4	0.2	0.1	0.1	0.3
124.5°	0.3	0.4	0.2	0.1	0.2	0.3
125°	0.3	0.4	0.2	0.1	0.2	0.3
125.5°	0.3	0.4	0.2	0.1	0.3	0.3
126°	0.3	0.4	0.2	0.1	0.3	0.3
126.5°	0.3	0.4	0.2	0.1	0.2	0.3
127°	0.3	0.4	0.2	0.1	0.2	0.3
127.5°	0.3	0.4	0.2	0.1	0.2	0.3
128°	0.3	0.4	0.2	0.1	0.2	0.3
128.5°	0.3	0.4	0.2	0.3	0.2	0.3
129°	0.4	0.4	0.2	0.3	0.3	0.4
129.5°	0.4	0.4	0.2	0.3	0.3	0.4
130°	0.4	0.4	0.3	0.3	0.3	0.4
130.5°	0.4	0.4	0.3	0.3	0.3	0.4
131°	0.4	0.4	0.3	0.3	0.4	0.7
131.5°	0.4	0.5	0.3	0.5	0.4	0.7
132°	0.4	0.4	0.3	0.6	0.3	0.8
132.5°	0.4	0.4	0.4	0.6	0.3	0.9
133°	0.4	0.5	0.3	0.7	0.5	0.9
133.5°	0.4	0.6	0.5	0.7	0.5	1.0
134°	0.5	0.6	0.8	0.9	0.7	1.1
134.5°	0.5	0.7	0.9	0.8	0.7	1.1
135°	0.5	0.8	0.9	0.9	0.8	1.2
135.5°	0.5	0.9	0.8	1.0	0.9	1.1
136°	0.5	0.9	0.8	1.0	0.9	1.1

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
138°	0.5	1.0	1.0	1.1	1.1	1.1
138.5°	0.5	1.0	1.1	1.1	1.0	1.1
139°	0.5	1.0	1.1	1.1	1.0	1.1
139.5°	0.5	1.0	1.1	1.1	1.0	1.1
140°	0.5	1.0	1.1	1.1	1.0	1.1
140.5°	0.5	1.0	1.1	1.1	1.0	1.1
141°	0.5	1.0	1.1	1.1	1.0	1.1
141.5°	0.5	1.0	1.1	1.1	1.0	1.1
142°	0.5	1.0	1.1	1.1	1.0	1.1
142.5°	0.5	1.0	1.1	1.1	1.0	1.1
143°	0.5	1.0	1.1	1.1	1.0	1.1
143.5°	0.5	1.0	1.1	1.1	1.0	1.1
144°	0.6	1.0	1.1	1.1	1.0	1.1
144.5°	0.6	1.0	1.1	1.1	1.0	1.1
145°	0.6	1.0	1.1	1.1	1.0	1.1
145.5°	0.7	1.0	1.1	1.1	1.0	1.1
146°	0.7	1.0	1.1	1.1	1.0	1.1
146.5°	0.7	1.0	1.1	1.1	1.0	1.1
147°	0.7	1.0	1.1	1.1	1.0	1.1
147.5°	0.7	1.0	1.1	1.1	1.0	1.1
148°	0.7	1.0	1.1	1.1	1.0	1.1
148.5°	0.7	1.1	1.1	1.1	1.0	1.1
149°	0.7	1.1	1.1	1.1	1.1	1.1
149.5°	0.7	1.1	1.1	1.1	1.1	1.2
150°	0.8	1.1	1.1	1.1	1.1	1.2
150.5°	0.8	1.1	1.1	1.1	1.1	1.2
151°	0.7	1.2	1.1	1.1	1.1	1.4
151.5°	0.9	1.1	1.1	1.1	1.1	1.4
152°	0.9	1.2	1.1	1.1	1.1	1.4
152.5°	0.9	1.3	1.1	1.1	1.2	1.4
153°	0.9	1.2	1.1	1.2	1.2	1.4
153.5°	0.9	1.2	1.1	1.2	1.2	1.4
154°	0.9	1.2	1.1	1.3	1.3	1.4
154.5°	1.0	1.2	1.2	1.3	1.3	1.4
155°	1.0	1.3	1.2	1.3	1.3	1.5
155.5°	1.1	1.3	1.3	1.4	1.4	1.6
156°	1.1	1.3	1.3	1.4	1.4	1.6
156.5°	1.1	1.3	1.3	1.4	1.3	1.6
157°	1.2	1.3	1.3	1.3	1.3	1.7
157.5°	1.3	1.3	1.3	1.4	1.4	1.7
158°	1.3	1.3	1.3	1.4	1.4	1.8
158.5°	1.4	1.4	1.3	1.4	1.4	1.8
159°	1.4	1.4	1.3	1.4	1.5	1.9

TEST NUMBER: A2000670A001

CATALOG NUMBER:

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
161°	1.4	1.4	1.3	1.6	1.7	2.1
161.5°	1.5	1.4	1.3	1.6	1.7	2.0
162°	1.7	1.4	1.3	1.5	1.8	2.2
162.5°	1.6	1.5	1.4	1.7	1.8	2.2
163°	1.8	1.5	1.4	1.8	1.9	2.1
163.5°	1.7	1.6	1.5	1.8	1.9	2.1
164°	1.7	1.7	1.6	1.8	1.9	2.1
164.5°	1.8	1.7	1.6	1.9	2.0	2.1
165°	1.8	1.8	1.8	1.9	2.0	2.1
165.5°	1.9	1.9	1.8	2.0	2.0	2.1
166°	1.9	1.8	2.0	2.0	2.0	2.2
166.5°	2.0	1.9	1.9	2.0	2.0	2.2
167°	2.0	1.9	1.9	2.0	2.0	2.2
167.5°	2.0	2.0	2.0	2.0	2.0	2.2
168°	2.0	2.0	2.0	2.0	2.0	2.2
168.5°	2.0	2.0	2.0	2.0	2.0	2.2
169°	2.0	2.0	2.0	2.1	2.1	2.2
169.5°	2.0	2.0	2.0	2.1	2.1	2.2
170°	2.1	2.0	2.0	2.0	2.1	2.2
170.5°	2.1	2.0	2.0	2.0	2.1	2.2
171°	2.1	2.0	2.0	2.0	2.1	2.2
171.5°	2.2	2.0	2.0	2.0	2.1	2.2
172°	2.1	2.0	2.0	2.0	2.1	2.2
172.5°	2.1	2.0	2.0	2.0	2.1	2.2
173°	2.1	2.0	2.0	2.0	2.1	2.2
173.5°	2.1	2.0	2.0	2.0	2.1	2.2
174°	2.1	2.0	2.0	2.0	2.1	2.2
174.5°	2.1	2.0	2.0	2.0	2.1	2.2
175°	2.1	2.0	2.0	2.0	2.1	2.2
175.5°	2.1	2.0	2.0	2.0	2.1	2.2
176°	2.1	2.0	2.0	2.0	2.1	2.2
176.5°	2.1	2.0	2.0	2.0	2.1	2.2
177°	2.1	2.0	2.0	2.0	2.1	2.2
177.5°	2.1	2.0	2.0	2.0	2.1	2.2
178°	2.1	2.0	2.1	2.0	2.1	2.2
178.5°	2.1	2.0	2.0	2.1	2.1	2.2
179°	2.1	2.2	2.0	2.1	2.1	2.2
179.5°	2.1	2.2	2.2	2.1	2.1	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2

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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165°	2	2	2	2	2	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



NVLAP Lab Code: 200050-0

21.5°	737.2	736.8	737.5	737.0	738.0	737.6	737.3	736.9	737.0	736.2	736.1
22°	734.1	734.0	734.5	733.7	735.0	734.5	734.6	734.0	734.2	733.5	733.0
22.5°	730.9	730.9	731.8	730.8	731.8	731.3	731.3	731.4	731.1	730.5	730.2



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44.5°	541.5	541.5	541.3	541.4	544.0	543.5	543.9	543.0	543.0	542.7	542.4
45°	535.7	536.2	535.9	536.1	538.6	538.3	538.5	538.0	537.9	537.6	537.0
45.5°	530.4	530.7	530.6	530.7	533.1	532.8	533.4	532.5	532.4	531.9	531.5



NVLAP Lab Code: 200050-0

67.5°	265.1	265.1	265.1	265.7	269.4	270.1	270.2	269.5	268.9	268.1	267.2
68°	258.8	258.7	258.7	259.1	263.0	263.8	263.7	263.1	262.5	261.5	260.8
68.5°	252.4	252.5	252.4	252.9	256.4	257.5	257.4	256.8	256.4	255.3	254.5



NVLAP Lab Code: 200050-0

90.5°	2.7	2.9	2.6	2.2	3.9	4.0	4.3	5.2	5.2	4.9	4.1
91°	0.8	1.0	0.9	0.6	1.4	1.3	1.3	2.1	2.4	2.1	1.4
91.5°	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0



NVLAP Lab Code: 200050-0

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



NVLAP Lab Code: 200050-0

136.5°	1.1	1.1	1.1	0.8	0.5	0.5	0.5	0.4	0.5	0.4	0.4
137°	1.1	1.1	1.1	0.9	0.5	0.5	0.5	0.4	0.5	0.4	0.4
137.5°	1.1	1.1	1.1	0.9	0.5	0.5	0.5	0.4	0.5	0.4	0.4



NVLAP Lab Code: 200050-0

159.5°	2.0	2.0	1.8	1.4	1.4	1.5	1.4	1.5	1.5	1.6	1.5
160°	1.9	2.0	1.8	1.3	1.4	1.5	1.5	1.6	1.6	1.6	1.6
160.5°	2.1	2.0	1.9	1.3	1.5	1.6	1.5	1.6	1.5	1.6	1.7

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21.5°	736.0	736.3	736.0	736.5	736.5	737.2
22°	733.2	733.3	733.3	733.6	733.3	734.1
22.5°	730.0	730.2	730.3	730.6	730.6	730.9

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44.5°	542.2	540.9	540.4	540.9	540.6	541.5
45°	536.6	535.1	534.9	535.4	535.0	535.7
45.5°	531.4	529.9	529.6	530.3	529.7	530.4

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67.5°	266.9	264.8	265.3	265.3	265.6	265.1
68°	260.3	258.5	258.9	259.2	259.2	258.8
68.5°	254.0	252.4	252.5	253.0	252.9	252.4

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90.5°	3.4	1.2	1.3	1.3	2.1	2.7
91°	0.7	0.1	0.1	0.3	0.5	0.8
91.5°	0.0	0.0	0.0	0.0	0.0	0.1

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113.5°	0.3	0.4	0.2	0.1	0.1	0.1
114°	0.3	0.4	0.2	0.1	0.1	0.1
114.5°	0.3	0.4	0.2	0.1	0.1	0.1

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136.5°	0.5	0.9	0.9	1.0	0.9	1.1
137°	0.5	0.9	0.9	1.0	0.9	1.1
137.5°	0.5	1.1	1.0	1.1	1.0	1.1

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159.5°	1.4	1.5	1.3	1.4	1.5	2.0
160°	1.4	1.5	1.3	1.4	1.6	1.9
160.5°	1.4	1.5	1.3	1.4	1.7	2.1