

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: io LED

Report Number: P273508

Luminaire Tested: **0.10-5W-840-10-OD-STD-UNV-AN-1F6**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P273508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-246-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: 0.10-5W-840-10-OD-STD-UNV-AN-1F6  
Description: iO LIGHTING SERIES 1.5 LINEAR LED LUMINAIRE, 10 DEGREE OPTIC.  
VERY HIGH OUTPUT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 476.3 lumens  
Efficiency: N/A  
Efficacy: 41.4 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.95 / 0.36  
Luminous Opening: Rectangular w/ Sides (W: 1.4' x L: 0.08' x H: 0.04')  
CIE Type: Direct

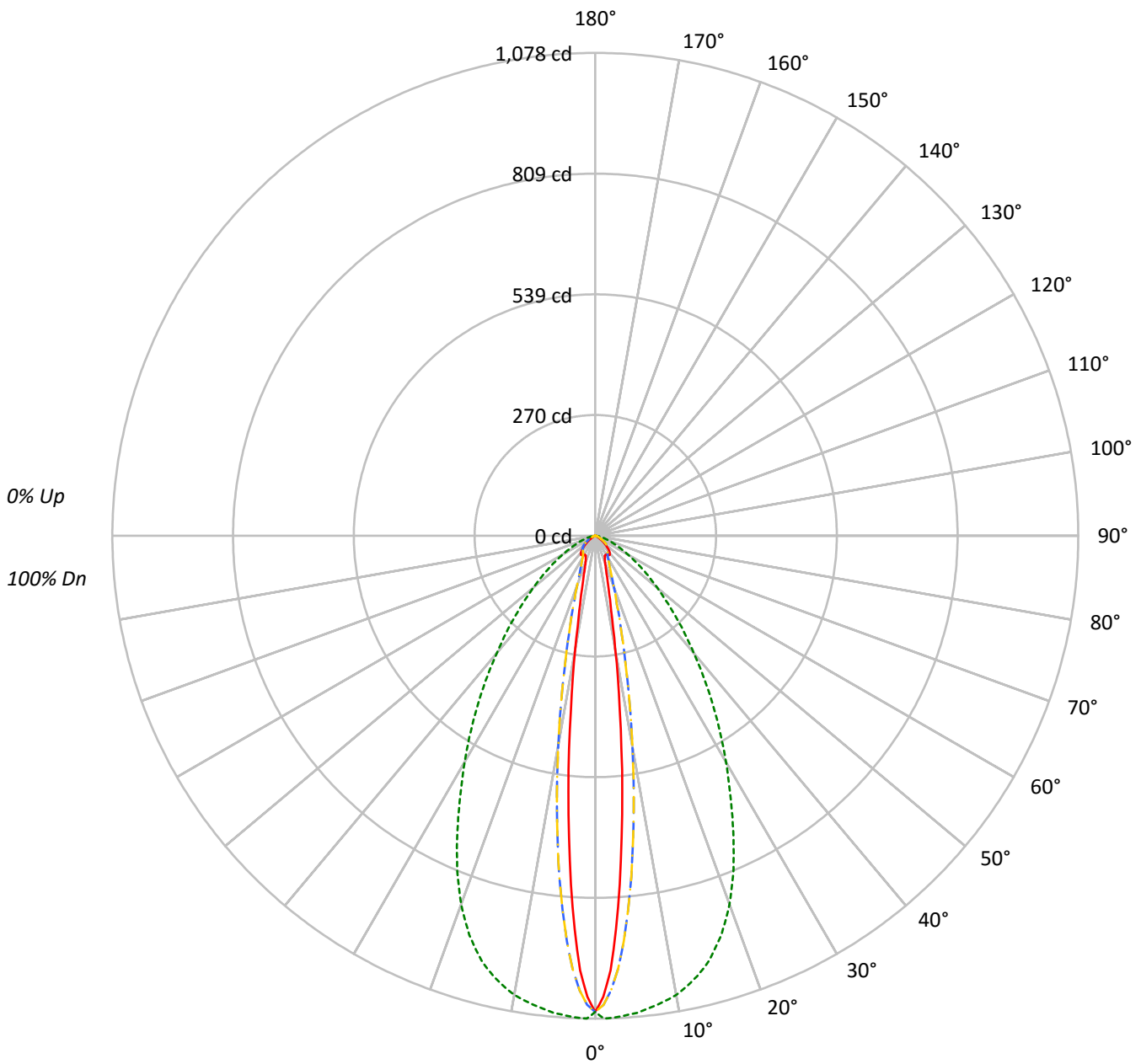
Input Watts (W): 11.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



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



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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	110	107	104	102	103	101	99	99	97	96	95	94	93	91					91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82					82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75					75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69					69			
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63					63			
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59					59			
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55					55			
8	75	64	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	58	53	49	48					48			
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45					45			

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

	0°	90°	180°	270°
0°	98021	98021	98021	98021
5°	59966	98721	59966	98721
10°	22067	96937	22067	96937
15°	8829	92949	8829	92949
20°	5279	84986	5279	84986
25°	4108	73063	4108	73063
30°	4031	61016	4031	61016
35°	4418	50132	4418	50132
40°	4222	40076	4222	40076
45°	3407	31806	3407	31806
50°	2382	24961	2382	24961
55°	1491	19443	1491	19443
60°	731	14870	731	14870
65°	442	11094	442	11094
70°	363	8199	363	8199
75°	261	6124	261	6124
80°	152	3862	152	3862
85°	173	1658	173	1658



TEST NUMBER: P273508

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.6	15.0
10°-20°	104.9	22.0
20°-30°	92.7	19.5
30°-40°	79.3	16.6
40°-50°	62.0	13.0
50°-60°	38.3	8.0
60°-70°	18.1	3.8
70°-80°	7.1	1.5
80°-90°	2.0	0.4
90°-100°	0.5	0.1
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°	269.2	56.5
0°-40°	348.5	73.2
0°-60°	448.7	94.2
0°-90°	475.9	99.9
90°-120°	0.5	0.1
90°-150°	0.5	0.1
90°-180°	0.0	0.0
0°-180°	476.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1063	1063	1063	1063	1063	
5°	676	1070	676	1070	676	50
15°	105	982	105	982	105	32
25°	50	728	50	728	50	24
35°	53	455	53	455	53	32
45°	39	251	39	251	39	30
55°	16	126	16	126	16	14
65°	4	54	4	54	4	4
75°	2	19	2	19	2	2
85°	1	2	1	2	1	1
90°	1	0	1	0	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°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1029.3	1030.3	1028.2	1027.1	1029.3	1030.3	1031.4	1036.7	1042.0	1044.1	1047.3
2°	971.0	969.9	967.8	969.9	975.2	979.4	980.5	991.1	1001.7	1007.0	1015.5
3°	879.8	886.2	885.1	889.3	897.8	907.4	907.4	924.3	941.3	951.9	967.8
4°	780.2	786.5	786.5	793.9	806.7	814.1	820.4	842.7	866.0	881.9	907.4
5°	676.3	681.6	683.7	693.2	709.1	718.7	725.0	753.7	783.3	805.6	839.5
6°	574.5	578.8	581.9	592.5	611.6	622.2	630.7	661.4	696.4	724.0	766.4
7°	479.1	483.4	486.5	498.2	518.3	530.0	539.5	572.4	609.5	642.4	690.1
8°	393.3	398.6	401.7	413.4	433.5	445.2	455.8	488.7	527.9	563.9	615.9
9°	320.1	324.4	327.5	339.2	358.3	369.9	380.5	412.3	451.6	489.7	543.8
10°	256.5	260.8	263.9	279.8	294.7	305.3	314.8	344.5	382.7	421.9	475.9
11°	207.8	212.0	215.2	226.8	239.6	248.0	258.6	287.3	322.2	361.5	413.4
12°	170.7	173.8	178.1	186.6	198.2	207.8	214.1	237.4	270.3	307.4	357.2
13°	145.2	145.2	148.4	154.8	165.4	172.8	179.1	199.3	226.8	260.8	307.4
14°	123.0	121.9	126.1	131.4	139.9	145.2	149.5	168.5	192.9	222.6	263.9
15°	104.9	104.9	108.1	112.4	118.7	124.0	128.3	143.1	164.3	190.8	226.8
17.5°	78.4	78.4	80.6	82.7	86.9	90.1	93.3	101.8	115.5	133.6	160.1
20°	63.6	63.6	64.7	65.7	68.9	71.0	73.1	78.4	88.0	99.6	118.7
22.5°	55.1	55.1	56.2	56.2	58.3	59.4	61.5	64.7	71.0	78.4	92.2
25°	49.8	49.8	50.9	50.9	51.9	53.0	54.1	56.2	60.4	65.7	75.3
27.5°	48.8	48.8	48.8	48.8	48.8	48.8	49.8	50.9	53.0	57.2	64.7
30°	48.8	48.8	48.8	47.7	47.7	47.7	47.7	47.7	48.8	51.9	56.2
32.5°	50.9	50.9	50.9	49.8	47.7	47.7	46.6	46.6	46.6	47.7	50.9
35°	53.0	53.0	51.9	50.9	49.8	48.8	47.7	46.6	45.6	45.6	47.7
37.5°	53.0	53.0	51.9	51.9	49.8	49.8	48.8	46.6	44.5	44.5	44.5
40°	49.8	49.8	49.8	49.8	48.8	48.8	47.7	46.6	44.5	43.5	43.5
42.5°	45.6	45.6	45.6	45.6	45.6	45.6	44.5	44.5	43.5	42.4	41.3
45°	39.2	39.2	39.2	40.3	40.3	40.3	41.3	41.3	40.3	40.3	40.3
47.5°	32.9	32.9	32.9	33.9	35.0	35.0	35.0	36.0	37.1	37.1	37.1
50°	26.5	26.5	27.6	27.6	28.6	28.6	29.7	30.7	31.8	32.9	33.9
52.5°	21.2	21.2	21.2	22.3	23.3	23.3	24.4	25.4	27.6	28.6	30.7
55°	15.9	15.9	15.9	17.0	18.0	18.0	19.1	20.1	22.3	24.4	25.4
57.5°	10.6	11.7	11.7	11.7	12.7	13.8	13.8	15.9	17.0	20.1	21.2
60°	7.4	7.4	8.5	8.5	9.5	9.5	10.6	11.7	12.7	14.8	17.0
62.5°	5.3	5.3	5.3	6.4	6.4	7.4	7.4	8.5	9.5	11.7	13.8
65°	4.2	4.2	4.2	4.2	5.3	5.3	5.3	6.4	7.4	8.5	10.6
67.5°	3.2	3.2	3.2	4.2	4.2	4.2	4.2	4.2	5.3	6.4	7.4
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.2	4.2	5.3	5.3
72.5°	2.1	2.1	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2	4.2
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2	3.2	3.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2
80°	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	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: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
92.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
95°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
97.5°	1.1	0.0	0.0	1.1	1.1	1.1	1.1	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
102.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1052.6	1054.7	1057.9	1064.2	1065.3	1066.4	1068.5	1070.6	1075.9	1078.0	1075.9
2°	1026.1	1032.4	1042.0	1052.6	1053.6	1057.9	1063.2	1067.4	1073.8	1077.0	1073.8
3°	985.8	999.6	1015.5	1034.6	1037.7	1044.1	1054.7	1063.2	1071.7	1074.8	1071.7
4°	933.9	955.1	980.5	1008.1	1015.5	1025.0	1042.0	1055.8	1067.4	1071.7	1067.4
5°	873.4	904.2	939.2	976.3	989.0	1002.8	1028.2	1047.3	1063.2	1069.5	1063.2
6°	807.7	848.0	892.5	940.2	957.2	977.3	1011.2	1035.6	1056.8	1064.2	1056.8
7°	734.6	786.5	841.6	899.9	922.2	946.6	991.1	1024.0	1049.4	1058.9	1049.4
8°	665.7	725.0	788.6	857.5	884.0	914.8	968.8	1011.2	1042.0	1053.6	1042.0
9°	597.8	662.5	734.6	812.0	844.8	880.9	944.5	995.3	1033.5	1047.3	1033.5
10°	533.2	605.3	679.5	765.3	801.4	843.8	919.0	979.4	1022.9	1040.9	1022.9
11°	471.7	545.9	625.4	714.4	757.9	805.6	890.4	961.4	1011.2	1031.4	1011.2
12°	416.6	490.8	572.4	667.8	714.4	766.4	860.7	941.3	998.5	1020.8	998.5
13°	365.7	438.8	521.5	619.0	671.0	727.2	830.0	920.1	983.7	1009.1	983.7
14°	321.2	391.1	474.9	574.5	628.6	689.0	799.2	897.8	968.8	996.4	968.8
15°	278.8	347.7	430.4	532.1	589.4	649.8	767.4	873.4	950.8	981.6	950.8
17.5°	199.3	255.5	333.9	434.6	491.8	557.6	685.8	808.8	899.9	934.9	899.9
20°	147.3	191.9	256.5	351.9	408.1	468.5	605.3	737.8	836.3	875.6	836.3
22.5°	113.4	147.3	200.3	286.2	337.1	396.4	530.0	664.6	765.3	805.6	765.3
25°	91.2	117.7	160.1	232.1	278.8	336.0	462.2	592.5	690.1	728.2	690.1
27.5°	76.3	96.5	131.4	192.9	234.3	286.2	404.9	524.7	616.9	651.9	616.9
30°	65.7	81.6	111.3	164.3	201.4	247.0	356.2	464.3	549.1	583.0	549.1
32.5°	58.3	71.0	96.5	143.1	177.0	216.2	313.8	410.2	486.5	517.3	486.5
35°	51.9	63.6	84.8	127.2	156.9	192.9	275.6	359.3	426.1	454.7	426.1
37.5°	48.8	57.2	76.3	114.5	141.0	171.7	241.7	312.7	369.9	396.4	369.9
40°	45.6	53.0	70.0	103.9	127.2	153.7	212.0	267.1	319.1	341.3	319.1
42.5°	42.4	48.8	63.6	94.3	114.5	136.7	182.3	229.0	273.5	294.7	273.5
45°	41.3	45.6	59.4	84.8	102.8	120.8	157.9	196.1	233.2	251.2	233.2
47.5°	38.2	42.4	54.1	76.3	90.1	104.9	134.6	167.5	198.2	213.1	198.2
50°	35.0	39.2	49.8	67.8	79.5	90.1	114.5	142.0	168.5	180.2	168.5
52.5°	31.8	36.0	44.5	59.4	67.8	77.4	96.5	119.8	142.0	151.6	142.0
55°	27.6	31.8	39.2	50.9	58.3	64.7	80.6	99.6	117.7	126.1	117.7
57.5°	24.4	27.6	33.9	43.5	48.8	54.1	66.8	82.7	97.5	103.9	97.5
60°	20.1	23.3	28.6	36.0	40.3	44.5	55.1	67.8	79.5	84.8	79.5
62.5°	15.9	19.1	23.3	29.7	32.9	37.1	44.5	55.1	64.7	67.8	64.7
65°	12.7	14.8	19.1	24.4	27.6	29.7	36.0	44.5	50.9	54.1	50.9
67.5°	9.5	11.7	14.8	19.1	22.3	24.4	29.7	35.0	40.3	43.5	40.3
70°	7.4	8.5	11.7	14.8	17.0	19.1	23.3	27.6	31.8	32.9	31.8
72.5°	5.3	6.4	8.5	11.7	12.7	14.8	18.0	21.2	24.4	25.4	24.4
75°	4.2	5.3	6.4	8.5	9.5	11.7	13.8	15.9	18.0	19.1	18.0
77.5°	3.2	4.2	5.3	6.4	7.4	8.5	9.5	11.7	12.7	13.8	12.7
80°	2.1	3.2	3.2	4.2	5.3	5.3	7.4	7.4	8.5	8.5	8.5
82.5°	2.1	2.1	2.1	3.2	3.2	4.2	4.2	5.3	5.3	5.3	5.3
85°	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
90°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
92.5°	1.1	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
97.5°	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
102.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1070.6	1068.5	1066.4	1065.3	1064.2	1057.9	1054.7	1052.6	1047.3	1044.1	1042.0
2°	1067.4	1063.2	1057.9	1053.6	1052.6	1042.0	1032.4	1026.1	1015.5	1007.0	1001.7
3°	1063.2	1054.7	1044.1	1037.7	1034.6	1015.5	999.6	985.8	967.8	951.9	941.3
4°	1055.8	1042.0	1025.0	1015.5	1008.1	980.5	955.1	933.9	907.4	881.9	866.0
5°	1047.3	1028.2	1002.8	989.0	976.3	939.2	904.2	873.4	839.5	805.6	783.3
6°	1035.6	1011.2	977.3	957.2	940.2	892.5	848.0	807.7	766.4	724.0	696.4
7°	1024.0	991.1	946.6	922.2	899.9	841.6	786.5	734.6	690.1	642.4	609.5
8°	1011.2	968.8	914.8	884.0	857.5	788.6	725.0	665.7	615.9	563.9	527.9
9°	995.3	944.5	880.9	844.8	812.0	734.6	662.5	597.8	543.8	489.7	451.6
10°	979.4	919.0	843.8	801.4	765.3	679.5	605.3	533.2	475.9	421.9	382.7
11°	961.4	890.4	805.6	757.9	714.4	625.4	545.9	471.7	413.4	361.5	322.2
12°	941.3	860.7	766.4	714.4	667.8	572.4	490.8	416.6	357.2	307.4	270.3
13°	920.1	830.0	727.2	671.0	619.0	521.5	438.8	365.7	307.4	260.8	226.8
14°	897.8	799.2	689.0	628.6	574.5	474.9	391.1	321.2	263.9	222.6	192.9
15°	873.4	767.4	649.8	589.4	532.1	430.4	347.7	278.8	226.8	190.8	164.3
17.5°	808.8	685.8	557.6	491.8	434.6	333.9	255.5	199.3	160.1	133.6	115.5
20°	737.8	605.3	468.5	408.1	351.9	256.5	191.9	147.3	118.7	99.6	88.0
22.5°	664.6	530.0	396.4	337.1	286.2	200.3	147.3	113.4	92.2	78.4	71.0
25°	592.5	462.2	336.0	278.8	232.1	160.1	117.7	91.2	75.3	65.7	60.4
27.5°	524.7	404.9	286.2	234.3	192.9	131.4	96.5	76.3	64.7	57.2	53.0
30°	464.3	356.2	247.0	201.4	164.3	111.3	81.6	65.7	56.2	51.9	48.8
32.5°	410.2	313.8	216.2	177.0	143.1	96.5	71.0	58.3	50.9	47.7	46.6
35°	359.3	275.6	192.9	156.9	127.2	84.8	63.6	51.9	47.7	45.6	45.6
37.5°	312.7	241.7	171.7	141.0	114.5	76.3	57.2	48.8	44.5	44.5	44.5
40°	267.1	212.0	153.7	127.2	103.9	70.0	53.0	45.6	43.5	43.5	44.5
42.5°	229.0	182.3	136.7	114.5	94.3	63.6	48.8	42.4	41.3	42.4	43.5
45°	196.1	157.9	120.8	102.8	84.8	59.4	45.6	41.3	40.3	40.3	40.3
47.5°	167.5	134.6	104.9	90.1	76.3	54.1	42.4	38.2	37.1	37.1	37.1
50°	142.0	114.5	90.1	79.5	67.8	49.8	39.2	35.0	33.9	32.9	31.8
52.5°	119.8	96.5	77.4	67.8	59.4	44.5	36.0	31.8	30.7	28.6	27.6
55°	99.6	80.6	64.7	58.3	50.9	39.2	31.8	27.6	25.4	24.4	22.3
57.5°	82.7	66.8	54.1	48.8	43.5	33.9	27.6	24.4	21.2	20.1	17.0
60°	67.8	55.1	44.5	40.3	36.0	28.6	23.3	20.1	17.0	14.8	12.7
62.5°	55.1	44.5	37.1	32.9	29.7	23.3	19.1	15.9	13.8	11.7	9.5
65°	44.5	36.0	29.7	27.6	24.4	19.1	14.8	12.7	10.6	8.5	7.4
67.5°	35.0	29.7	24.4	22.3	19.1	14.8	11.7	9.5	7.4	6.4	5.3
70°	27.6	23.3	19.1	17.0	14.8	11.7	8.5	7.4	5.3	5.3	4.2
72.5°	21.2	18.0	14.8	12.7	11.7	8.5	6.4	5.3	4.2	3.2	3.2
75°	15.9	13.8	11.7	9.5	8.5	6.4	5.3	4.2	3.2	3.2	3.2
77.5°	11.7	9.5	8.5	7.4	6.4	5.3	4.2	3.2	3.2	2.1	2.1
80°	7.4	7.4	5.3	5.3	4.2	3.2	3.2	2.1	2.1	2.1	2.1
82.5°	5.3	4.2	4.2	3.2	3.2	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
90°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
97.5°	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
102.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1036.7	1031.4	1030.3	1029.3	1027.1	1028.2	1030.3	1029.3	1030.3	1028.2	1027.1
2°	991.1	980.5	979.4	975.2	969.9	967.8	969.9	971.0	969.9	967.8	969.9
3°	924.3	907.4	907.4	897.8	889.3	885.1	886.2	879.8	886.2	885.1	889.3
4°	842.7	820.4	814.1	806.7	793.9	786.5	786.5	780.2	786.5	786.5	793.9
5°	753.7	725.0	718.7	709.1	693.2	683.7	681.6	676.3	681.6	683.7	693.2
6°	661.4	630.7	622.2	611.6	592.5	581.9	578.8	574.5	578.8	581.9	592.5
7°	572.4	539.5	530.0	518.3	498.2	486.5	483.4	479.1	483.4	486.5	498.2
8°	488.7	455.8	445.2	433.5	413.4	401.7	398.6	393.3	398.6	401.7	413.4
9°	412.3	380.5	369.9	358.3	339.2	327.5	324.4	320.1	324.4	327.5	339.2
10°	344.5	314.8	305.3	294.7	279.8	263.9	260.8	256.5	260.8	263.9	279.8
11°	287.3	258.6	248.0	239.6	226.8	215.2	212.0	207.8	212.0	215.2	226.8
12°	237.4	214.1	207.8	198.2	186.6	178.1	173.8	170.7	173.8	178.1	186.6
13°	199.3	179.1	172.8	165.4	154.8	148.4	145.2	145.2	145.2	148.4	154.8
14°	168.5	149.5	145.2	139.9	131.4	126.1	121.9	123.0	121.9	126.1	131.4
15°	143.1	128.3	124.0	118.7	112.4	108.1	104.9	104.9	104.9	108.1	112.4
17.5°	101.8	93.3	90.1	86.9	82.7	80.6	78.4	78.4	78.4	80.6	82.7
20°	78.4	73.1	71.0	68.9	65.7	64.7	63.6	63.6	63.6	64.7	65.7
22.5°	64.7	61.5	59.4	58.3	56.2	56.2	55.1	55.1	55.1	56.2	56.2
25°	56.2	54.1	53.0	51.9	50.9	50.9	49.8	49.8	49.8	50.9	50.9
27.5°	50.9	49.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
30°	47.7	47.7	47.7	47.7	47.7	48.8	48.8	48.8	48.8	48.8	47.7
32.5°	46.6	46.6	47.7	47.7	49.8	50.9	50.9	50.9	50.9	50.9	49.8
35°	46.6	47.7	48.8	49.8	50.9	51.9	53.0	53.0	53.0	51.9	50.9
37.5°	46.6	48.8	49.8	49.8	51.9	51.9	53.0	53.0	53.0	51.9	51.9
40°	46.6	47.7	48.8	48.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
42.5°	44.5	44.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
45°	41.3	41.3	40.3	40.3	40.3	39.2	39.2	39.2	39.2	39.2	40.3
47.5°	36.0	35.0	35.0	35.0	33.9	32.9	32.9	32.9	32.9	32.9	33.9
50°	30.7	29.7	28.6	28.6	27.6	27.6	26.5	26.5	26.5	27.6	27.6
52.5°	25.4	24.4	23.3	23.3	22.3	21.2	21.2	21.2	21.2	21.2	22.3
55°	20.1	19.1	18.0	18.0	17.0	15.9	15.9	15.9	15.9	15.9	17.0
57.5°	15.9	13.8	13.8	12.7	11.7	11.7	11.7	10.6	11.7	11.7	11.7
60°	11.7	10.6	9.5	9.5	8.5	8.5	7.4	7.4	7.4	8.5	8.5
62.5°	8.5	7.4	7.4	6.4	6.4	5.3	5.3	5.3	5.3	5.3	6.4
65°	6.4	5.3	5.3	5.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2	3.2	3.2	3.2	3.2	3.2	4.2
70°	4.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	3.2	3.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
92.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
95°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1
97.5°	0.0	1.1	1.1	1.1	1.1	0.0	0.0	1.1	0.0	0.0	1.1
100°	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
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1029.3	1030.3	1031.4	1036.7	1042.0	1044.1	1047.3	1052.6	1054.7	1057.9	1064.2
2°	975.2	979.4	980.5	991.1	1001.7	1007.0	1015.5	1026.1	1032.4	1042.0	1052.6
3°	897.8	907.4	907.4	924.3	941.3	951.9	967.8	985.8	999.6	1015.5	1034.6
4°	806.7	814.1	820.4	842.7	866.0	881.9	907.4	933.9	955.1	980.5	1008.1
5°	709.1	718.7	725.0	753.7	783.3	805.6	839.5	873.4	904.2	939.2	976.3
6°	611.6	622.2	630.7	661.4	696.4	724.0	766.4	807.7	848.0	892.5	940.2
7°	518.3	530.0	539.5	572.4	609.5	642.4	690.1	734.6	786.5	841.6	899.9
8°	433.5	445.2	455.8	488.7	527.9	563.9	615.9	665.7	725.0	788.6	857.5
9°	358.3	369.9	380.5	412.3	451.6	489.7	543.8	597.8	662.5	734.6	812.0
10°	294.7	305.3	314.8	344.5	382.7	421.9	475.9	533.2	605.3	679.5	765.3
11°	239.6	248.0	258.6	287.3	322.2	361.5	413.4	471.7	545.9	625.4	714.4
12°	198.2	207.8	214.1	237.4	270.3	307.4	357.2	416.6	490.8	572.4	667.8
13°	165.4	172.8	179.1	199.3	226.8	260.8	307.4	365.7	438.8	521.5	619.0
14°	139.9	145.2	149.5	168.5	192.9	222.6	263.9	321.2	391.1	474.9	574.5
15°	118.7	124.0	128.3	143.1	164.3	190.8	226.8	278.8	347.7	430.4	532.1
17.5°	86.9	90.1	93.3	101.8	115.5	133.6	160.1	199.3	255.5	333.9	434.6
20°	68.9	71.0	73.1	78.4	88.0	99.6	118.7	147.3	191.9	256.5	351.9
22.5°	58.3	59.4	61.5	64.7	71.0	78.4	92.2	113.4	147.3	200.3	286.2
25°	51.9	53.0	54.1	56.2	60.4	65.7	75.3	91.2	117.7	160.1	232.1
27.5°	48.8	48.8	49.8	50.9	53.0	57.2	64.7	76.3	96.5	131.4	192.9
30°	47.7	47.7	47.7	47.7	48.8	51.9	56.2	65.7	81.6	111.3	164.3
32.5°	47.7	47.7	46.6	46.6	46.6	47.7	50.9	58.3	71.0	96.5	143.1
35°	49.8	48.8	47.7	46.6	45.6	45.6	47.7	51.9	63.6	84.8	127.2
37.5°	49.8	49.8	48.8	46.6	44.5	44.5	44.5	48.8	57.2	76.3	114.5
40°	48.8	48.8	47.7	46.6	44.5	43.5	43.5	45.6	53.0	70.0	103.9
42.5°	45.6	45.6	44.5	44.5	43.5	42.4	41.3	42.4	48.8	63.6	94.3
45°	40.3	40.3	41.3	41.3	40.3	40.3	40.3	41.3	45.6	59.4	84.8
47.5°	35.0	35.0	35.0	36.0	37.1	37.1	37.1	38.2	42.4	54.1	76.3
50°	28.6	28.6	29.7	30.7	31.8	32.9	33.9	35.0	39.2	49.8	67.8
52.5°	23.3	23.3	24.4	25.4	27.6	28.6	30.7	31.8	36.0	44.5	59.4
55°	18.0	18.0	19.1	20.1	22.3	24.4	25.4	27.6	31.8	39.2	50.9
57.5°	12.7	13.8	13.8	15.9	17.0	20.1	21.2	24.4	27.6	33.9	43.5
60°	9.5	9.5	10.6	11.7	12.7	14.8	17.0	20.1	23.3	28.6	36.0
62.5°	6.4	7.4	7.4	8.5	9.5	11.7	13.8	15.9	19.1	23.3	29.7
65°	5.3	5.3	5.3	6.4	7.4	8.5	10.6	12.7	14.8	19.1	24.4
67.5°	4.2	4.2	4.2	4.2	5.3	6.4	7.4	9.5	11.7	14.8	19.1
70°	3.2	3.2	3.2	4.2	4.2	5.3	5.3	7.4	8.5	11.7	14.8
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	4.2	5.3	6.4	8.5	11.7
75°	2.1	2.1	2.1	2.1	3.2	3.2	3.2	4.2	5.3	6.4	8.5
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	3.2	3.2	4.2	5.3	6.4
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2	3.2	4.2
82.5°	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1	2.1	2.1	3.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
92.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
95°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.1	1.1	1.1	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
102.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1065.3	1066.4	1068.5	1070.6	1075.9	1078.0	1075.9	1070.6	1068.5	1066.4	1065.3
2°	1053.6	1057.9	1063.2	1067.4	1073.8	1077.0	1073.8	1067.4	1063.2	1057.9	1053.6
3°	1037.7	1044.1	1054.7	1063.2	1071.7	1074.8	1071.7	1063.2	1054.7	1044.1	1037.7
4°	1015.5	1025.0	1042.0	1055.8	1067.4	1071.7	1067.4	1055.8	1042.0	1025.0	1015.5
5°	989.0	1002.8	1028.2	1047.3	1063.2	1069.5	1063.2	1047.3	1028.2	1002.8	989.0
6°	957.2	977.3	1011.2	1035.6	1056.8	1064.2	1056.8	1035.6	1011.2	977.3	957.2
7°	922.2	946.6	991.1	1024.0	1049.4	1058.9	1049.4	1024.0	991.1	946.6	922.2
8°	884.0	914.8	968.8	1011.2	1042.0	1053.6	1042.0	1011.2	968.8	914.8	884.0
9°	844.8	880.9	944.5	995.3	1033.5	1047.3	1033.5	995.3	944.5	880.9	844.8
10°	801.4	843.8	919.0	979.4	1022.9	1040.9	1022.9	979.4	919.0	843.8	801.4
11°	757.9	805.6	890.4	961.4	1011.2	1031.4	1011.2	961.4	890.4	805.6	757.9
12°	714.4	766.4	860.7	941.3	998.5	1020.8	998.5	941.3	860.7	766.4	714.4
13°	671.0	727.2	830.0	920.1	983.7	1009.1	983.7	920.1	830.0	727.2	671.0
14°	628.6	689.0	799.2	897.8	968.8	996.4	968.8	897.8	799.2	689.0	628.6
15°	589.4	649.8	767.4	873.4	950.8	981.6	950.8	873.4	767.4	649.8	589.4
17.5°	491.8	557.6	685.8	808.8	899.9	934.9	899.9	808.8	685.8	557.6	491.8
20°	408.1	468.5	605.3	737.8	836.3	875.6	836.3	737.8	605.3	468.5	408.1
22.5°	337.1	396.4	530.0	664.6	765.3	805.6	765.3	664.6	530.0	396.4	337.1
25°	278.8	336.0	462.2	592.5	690.1	728.2	690.1	592.5	462.2	336.0	278.8
27.5°	234.3	286.2	404.9	524.7	616.9	651.9	616.9	524.7	404.9	286.2	234.3
30°	201.4	247.0	356.2	464.3	549.1	583.0	549.1	464.3	356.2	247.0	201.4
32.5°	177.0	216.2	313.8	410.2	486.5	517.3	486.5	410.2	313.8	216.2	177.0
35°	156.9	192.9	275.6	359.3	426.1	454.7	426.1	359.3	275.6	192.9	156.9
37.5°	141.0	171.7	241.7	312.7	369.9	396.4	369.9	312.7	241.7	171.7	141.0
40°	127.2	153.7	212.0	267.1	319.1	341.3	319.1	267.1	212.0	153.7	127.2
42.5°	114.5	136.7	182.3	229.0	273.5	294.7	273.5	229.0	182.3	136.7	114.5
45°	102.8	120.8	157.9	196.1	233.2	251.2	233.2	196.1	157.9	120.8	102.8
47.5°	90.1	104.9	134.6	167.5	198.2	213.1	198.2	167.5	134.6	104.9	90.1
50°	79.5	90.1	114.5	142.0	168.5	180.2	168.5	142.0	114.5	90.1	79.5
52.5°	67.8	77.4	96.5	119.8	142.0	151.6	142.0	119.8	96.5	77.4	67.8
55°	58.3	64.7	80.6	99.6	117.7	126.1	117.7	99.6	80.6	64.7	58.3
57.5°	48.8	54.1	66.8	82.7	97.5	103.9	97.5	82.7	66.8	54.1	48.8
60°	40.3	44.5	55.1	67.8	79.5	84.8	79.5	67.8	55.1	44.5	40.3
62.5°	32.9	37.1	44.5	55.1	64.7	67.8	64.7	55.1	44.5	37.1	32.9
65°	27.6	29.7	36.0	44.5	50.9	54.1	50.9	44.5	36.0	29.7	27.6
67.5°	22.3	24.4	29.7	35.0	40.3	43.5	40.3	35.0	29.7	24.4	22.3
70°	17.0	19.1	23.3	27.6	31.8	32.9	31.8	27.6	23.3	19.1	17.0
72.5°	12.7	14.8	18.0	21.2	24.4	25.4	24.4	21.2	18.0	14.8	12.7
75°	9.5	11.7	13.8	15.9	18.0	19.1	18.0	15.9	13.8	11.7	9.5
77.5°	7.4	8.5	9.5	11.7	12.7	13.8	12.7	11.7	9.5	8.5	7.4
80°	5.3	5.3	7.4	7.4	8.5	8.5	8.5	7.4	7.4	5.3	5.3
82.5°	3.2	4.2	4.2	5.3	5.3	5.3	5.3	5.3	4.2	4.2	3.2
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
90°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
92.5°	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
97.5°	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
102.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2	1063.2
1°	1064.2	1057.9	1054.7	1052.6	1047.3	1044.1	1042.0	1036.7	1031.4	1030.3	1029.3
2°	1052.6	1042.0	1032.4	1026.1	1015.5	1007.0	1001.7	991.1	980.5	979.4	975.2
3°	1034.6	1015.5	999.6	985.8	967.8	951.9	941.3	924.3	907.4	907.4	897.8
4°	1008.1	980.5	955.1	933.9	907.4	881.9	866.0	842.7	820.4	814.1	806.7
5°	976.3	939.2	904.2	873.4	839.5	805.6	783.3	753.7	725.0	718.7	709.1
6°	940.2	892.5	848.0	807.7	766.4	724.0	696.4	661.4	630.7	622.2	611.6
7°	899.9	841.6	786.5	734.6	690.1	642.4	609.5	572.4	539.5	530.0	518.3
8°	857.5	788.6	725.0	665.7	615.9	563.9	527.9	488.7	455.8	445.2	433.5
9°	812.0	734.6	662.5	597.8	543.8	489.7	451.6	412.3	380.5	369.9	358.3
10°	765.3	679.5	605.3	533.2	475.9	421.9	382.7	344.5	314.8	305.3	294.7
11°	714.4	625.4	545.9	471.7	413.4	361.5	322.2	287.3	258.6	248.0	239.6
12°	667.8	572.4	490.8	416.6	357.2	307.4	270.3	237.4	214.1	207.8	198.2
13°	619.0	521.5	438.8	365.7	307.4	260.8	226.8	199.3	179.1	172.8	165.4
14°	574.5	474.9	391.1	321.2	263.9	222.6	192.9	168.5	149.5	145.2	139.9
15°	532.1	430.4	347.7	278.8	226.8	190.8	164.3	143.1	128.3	124.0	118.7
17.5°	434.6	333.9	255.5	199.3	160.1	133.6	115.5	101.8	93.3	90.1	86.9
20°	351.9	256.5	191.9	147.3	118.7	99.6	88.0	78.4	73.1	71.0	68.9
22.5°	286.2	200.3	147.3	113.4	92.2	78.4	71.0	64.7	61.5	59.4	58.3
25°	232.1	160.1	117.7	91.2	75.3	65.7	60.4	56.2	54.1	53.0	51.9
27.5°	192.9	131.4	96.5	76.3	64.7	57.2	53.0	50.9	49.8	48.8	48.8
30°	164.3	111.3	81.6	65.7	56.2	51.9	48.8	47.7	47.7	47.7	47.7
32.5°	143.1	96.5	71.0	58.3	50.9	47.7	46.6	46.6	46.6	47.7	47.7
35°	127.2	84.8	63.6	51.9	47.7	45.6	45.6	46.6	47.7	48.8	49.8
37.5°	114.5	76.3	57.2	48.8	44.5	44.5	44.5	46.6	48.8	49.8	49.8
40°	103.9	70.0	53.0	45.6	43.5	43.5	44.5	46.6	47.7	48.8	48.8
42.5°	94.3	63.6	48.8	42.4	41.3	42.4	43.5	44.5	44.5	45.6	45.6
45°	84.8	59.4	45.6	41.3	40.3	40.3	40.3	41.3	41.3	40.3	40.3
47.5°	76.3	54.1	42.4	38.2	37.1	37.1	37.1	36.0	35.0	35.0	35.0
50°	67.8	49.8	39.2	35.0	33.9	32.9	31.8	30.7	29.7	28.6	28.6
52.5°	59.4	44.5	36.0	31.8	30.7	28.6	27.6	25.4	24.4	23.3	23.3
55°	50.9	39.2	31.8	27.6	25.4	24.4	22.3	20.1	19.1	18.0	18.0
57.5°	43.5	33.9	27.6	24.4	21.2	20.1	17.0	15.9	13.8	13.8	12.7
60°	36.0	28.6	23.3	20.1	17.0	14.8	12.7	11.7	10.6	9.5	9.5
62.5°	29.7	23.3	19.1	15.9	13.8	11.7	9.5	8.5	7.4	7.4	6.4
65°	24.4	19.1	14.8	12.7	10.6	8.5	7.4	6.4	5.3	5.3	5.3
67.5°	19.1	14.8	11.7	9.5	7.4	6.4	5.3	4.2	4.2	4.2	4.2
70°	14.8	11.7	8.5	7.4	5.3	5.3	4.2	4.2	3.2	3.2	3.2
72.5°	11.7	8.5	6.4	5.3	4.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	8.5	6.4	5.3	4.2	3.2	3.2	3.2	2.1	2.1	2.1	2.1
77.5°	6.4	5.3	4.2	3.2	3.2	2.1	2.1	2.1	2.1	2.1	2.1
80°	4.2	3.2	3.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	3.2	2.1	2.1	2.1	2.1	2.1	2.1	1.1	1.1	1.1	1.1
85°	2.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
92.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
95°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
100°	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
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1063.2	1063.2	1063.2	1063.2
1°	1027.1	1028.2	1030.3	1029.3
2°	969.9	967.8	969.9	971.0
3°	889.3	885.1	886.2	879.8
4°	793.9	786.5	786.5	780.2
5°	693.2	683.7	681.6	676.3
6°	592.5	581.9	578.8	574.5
7°	498.2	486.5	483.4	479.1
8°	413.4	401.7	398.6	393.3
9°	339.2	327.5	324.4	320.1
10°	279.8	263.9	260.8	256.5
11°	226.8	215.2	212.0	207.8
12°	186.6	178.1	173.8	170.7
13°	154.8	148.4	145.2	145.2
14°	131.4	126.1	121.9	123.0
15°	112.4	108.1	104.9	104.9
17.5°	82.7	80.6	78.4	78.4
20°	65.7	64.7	63.6	63.6
22.5°	56.2	56.2	55.1	55.1
25°	50.9	50.9	49.8	49.8
27.5°	48.8	48.8	48.8	48.8
30°	47.7	48.8	48.8	48.8
32.5°	49.8	50.9	50.9	50.9
35°	50.9	51.9	53.0	53.0
37.5°	51.9	51.9	53.0	53.0
40°	49.8	49.8	49.8	49.8
42.5°	45.6	45.6	45.6	45.6
45°	40.3	39.2	39.2	39.2
47.5°	33.9	32.9	32.9	32.9
50°	27.6	27.6	26.5	26.5
52.5°	22.3	21.2	21.2	21.2
55°	17.0	15.9	15.9	15.9
57.5°	11.7	11.7	11.7	10.6
60°	8.5	8.5	7.4	7.4
62.5°	6.4	5.3	5.3	5.3
65°	4.2	4.2	4.2	4.2
67.5°	4.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2
72.5°	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1
80°	2.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1



TEST NUMBER: P273508

CATALOG NUMBER: 0.10-5W-840-10-OD-STD-UNV-AN-1F6

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
90°	1.1	1.1	1.1	1.1
92.5°	1.1	1.1	1.1	1.1
95°	1.1	1.1	0.0	0.0
97.5°	1.1	0.0	0.0	1.1
100°	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0

(END OF REPORT)