

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1445196

Luminaire Tested: TPTN-VA3-735-U-RW-GM

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445196
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: TPTN-VA3-735-U-RW-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 60W 70CRI 3500K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source: 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4896.9 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 60
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 5.3%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

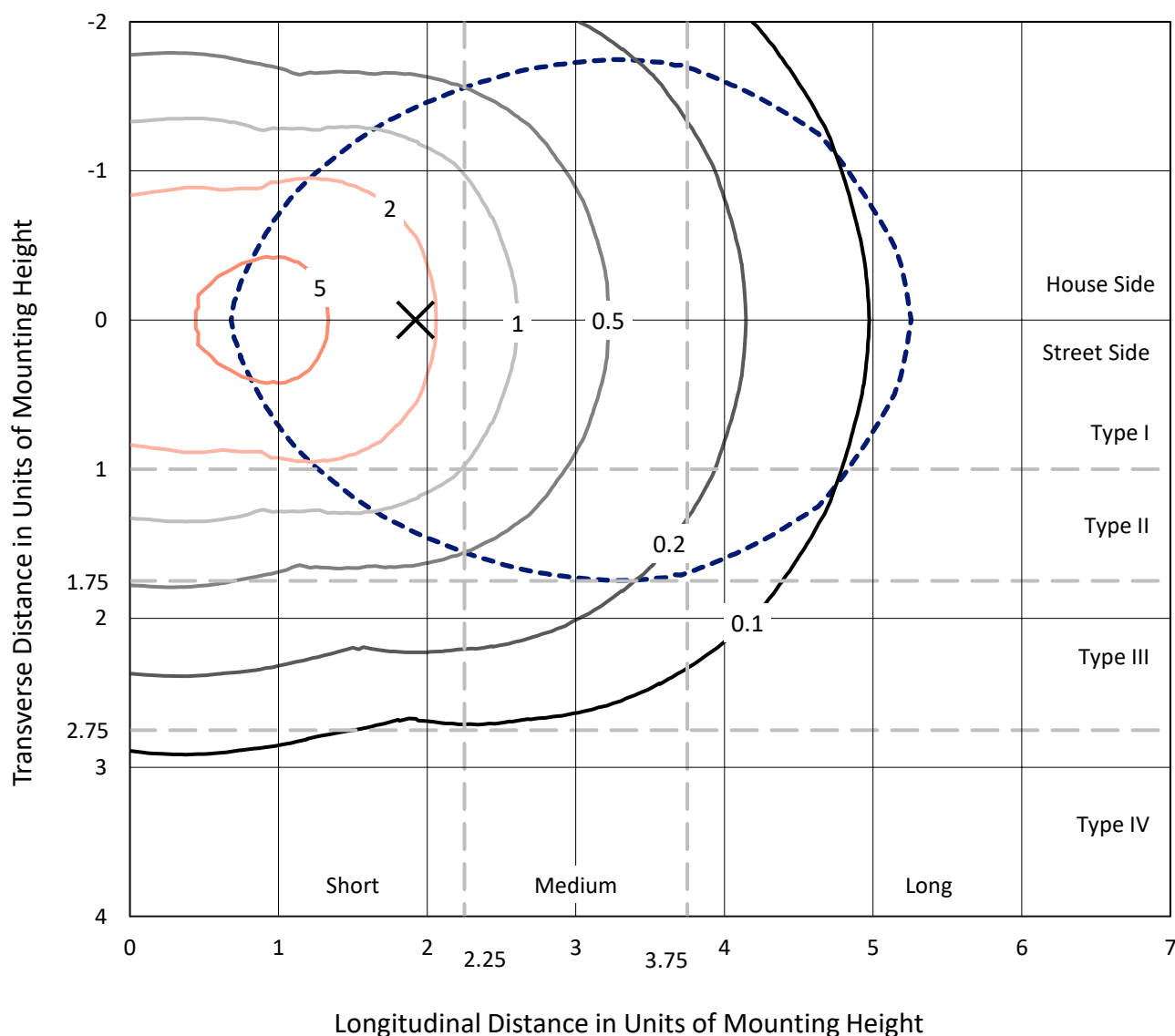
REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

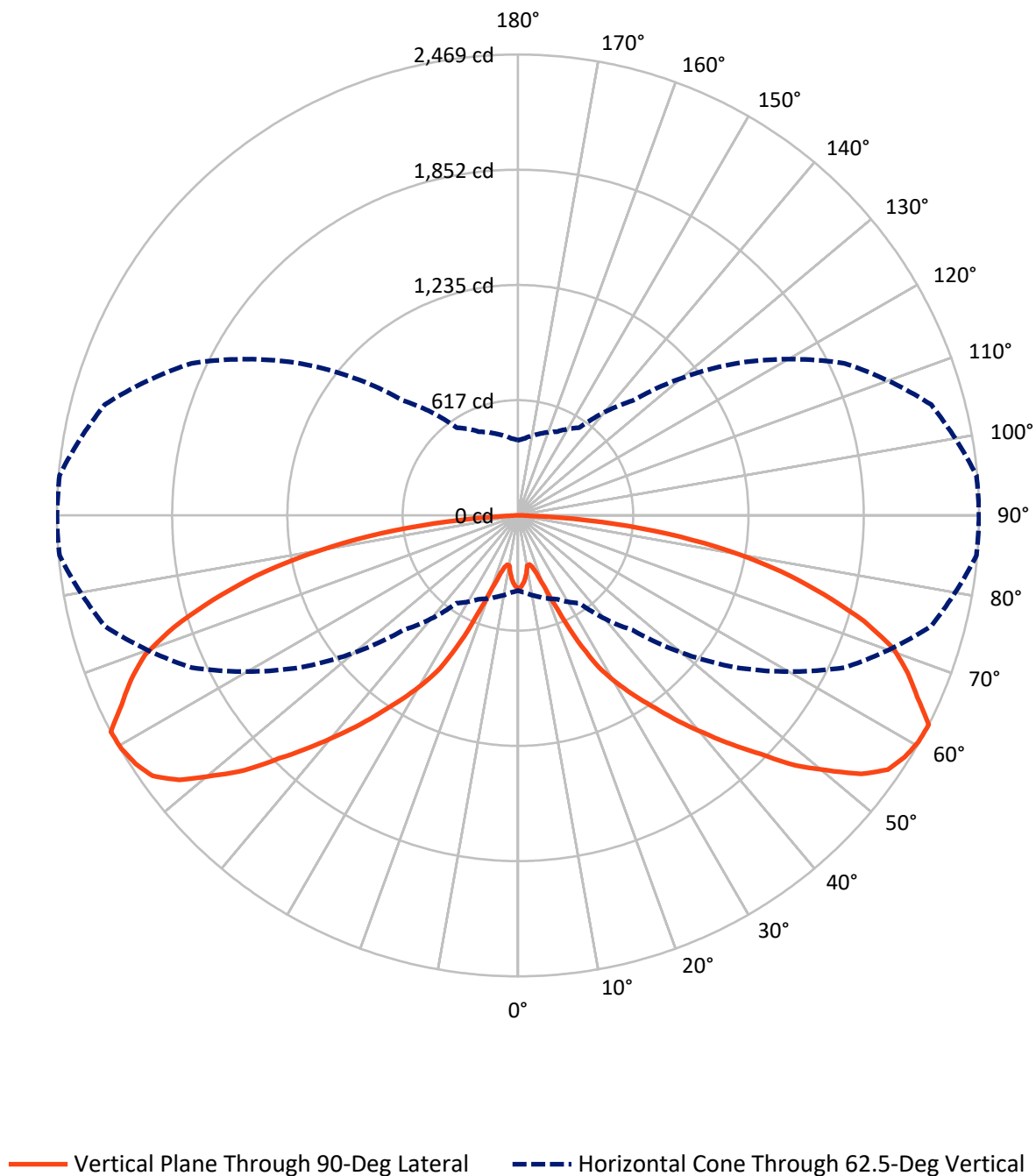


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

Luminous Intensity Polar Plot



REPORT NUMBER: P1445196

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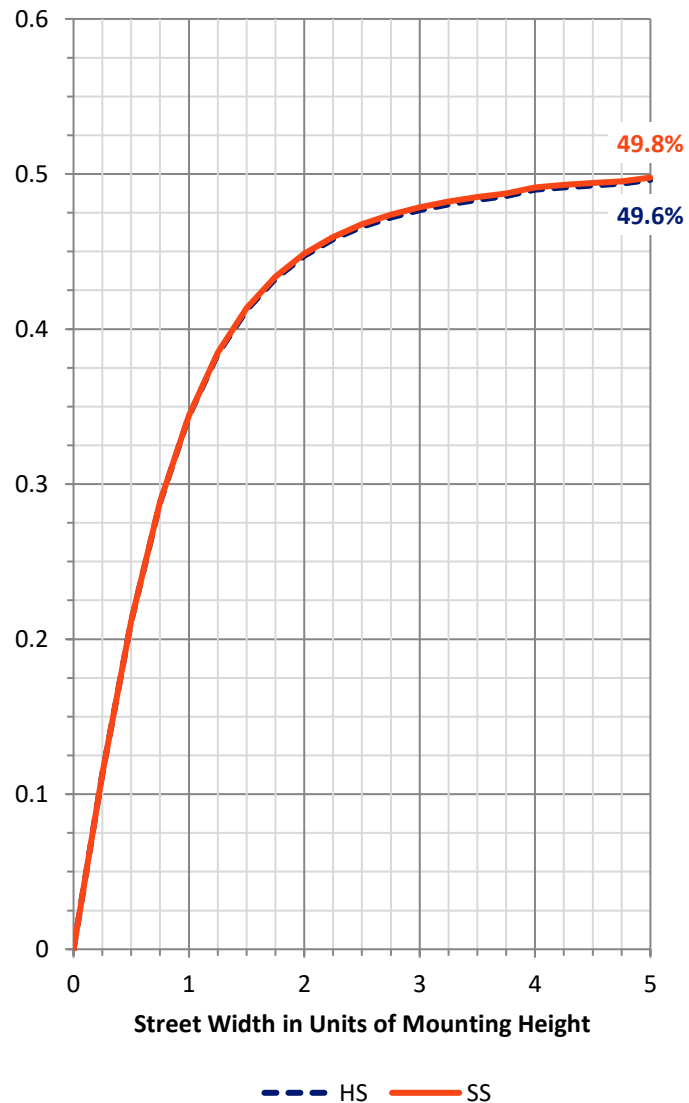
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2448.4	0.0	2448.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2448.5	0.0	2448.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4896.9	0.0	4896.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	0.7
10°-20°	102.9	2.1
20°-30°	242.5	5.0
30°-40°	465.6	9.5
40°-50°	763.4	15.6
50°-60°	1075.9	22.0
60°-70°	1140.5	23.3
70°-80°	838.8	17.1
80°-90°	232.2	4.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4896.9	100.0
0°-180°	4896.9	100.0

Coefficient of Utilization



REPORT NUMBER: P1445196

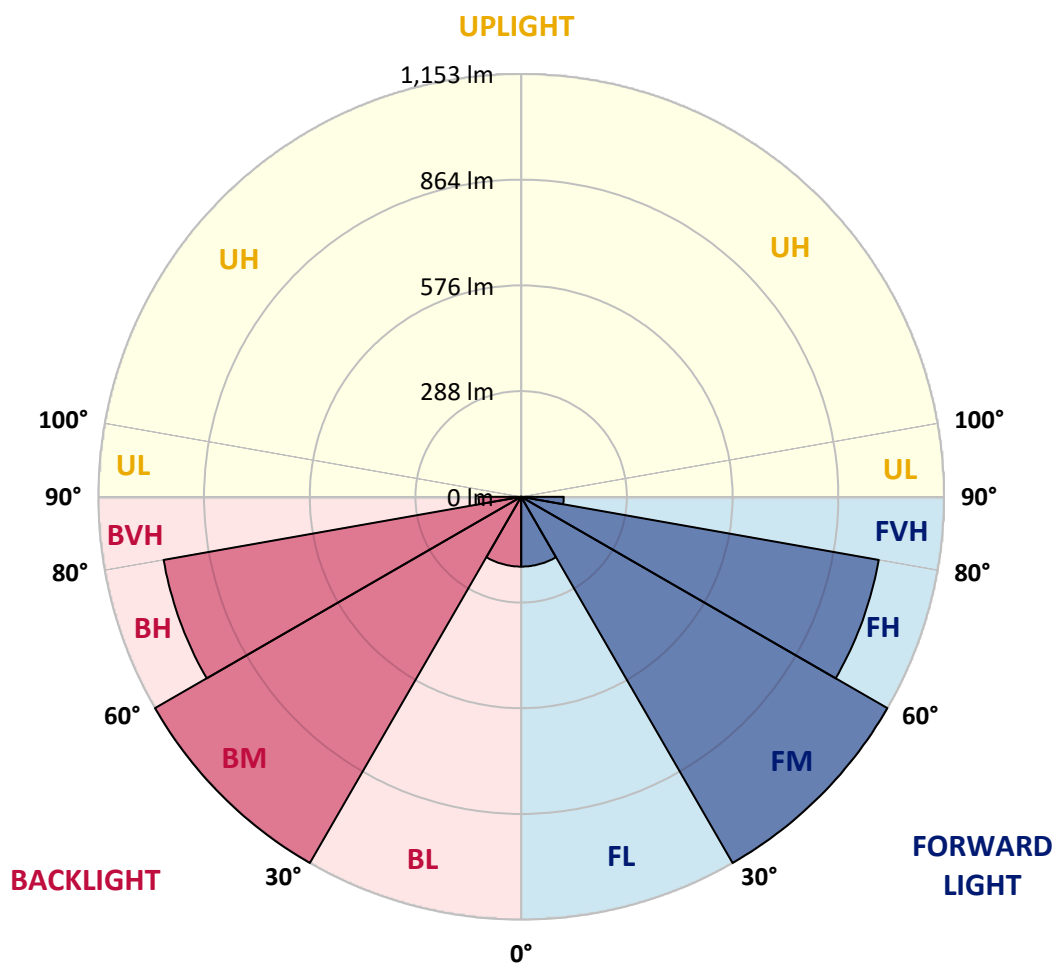
CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.2	3.9			
FM	(30°-60°)	1152.5	23.5			
FH	(60°-80°)	989.7	20.2			G1/1800
FVH	(80°-90°)	116.1	2.4			G2/225
BL	(0°-30°)	190.2	3.9	B1/500		
BM	(30°-60°)	1152.5	23.5	B2/2500		
BH	(60°-80°)	989.7	20.2	B2/1000		G2/1000
BVH	(80°-90°)	116.1	2.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	398.8	398.8	398.8	398.8	398.8	397.9	397.9	397.9	397.0	397.0	396.1
5°	402.4	402.4	402.4	402.4	401.5	401.5	400.6	399.7	398.8	397.0	396.1
7.5°	395.2	395.2	395.2	394.3	394.3	393.4	392.5	390.7	389.8	388.0	386.2
10°	385.3	384.4	383.5	382.6	382.6	381.7	380.8	379.0	377.2	375.4	373.6
12.5°	384.4	384.4	383.5	383.5	382.6	382.6	381.7	379.9	379.0	377.2	375.4
15°	394.3	394.3	394.3	394.3	394.3	393.4	393.4	392.5	390.7	389.8	388.0
17.5°	400.6	400.6	400.6	401.5	402.4	402.4	403.3	403.3	403.3	403.3	403.3
20°	400.6	400.6	400.6	402.4	404.2	405.1	406.9	408.7	410.5	412.3	414.1
22.5°	402.4	403.3	403.3	406.0	407.8	410.5	412.3	415.0	418.6	421.3	423.9
25°	413.2	413.2	413.2	415.9	418.6	420.4	423.0	426.6	430.2	432.9	436.5
27.5°	423.0	423.9	424.8	427.5	431.1	433.8	436.5	441.0	446.4	450.9	455.4
30°	423.9	424.8	425.7	430.2	434.7	439.2	443.7	450.9	459.0	466.2	473.3
32.5°	424.8	426.6	427.5	432.9	438.3	442.8	448.2	457.2	467.1	476.0	485.0
35°	431.1	433.8	435.6	441.0	447.3	452.7	458.1	468.0	477.8	487.7	497.6
37.5°	437.4	440.1	442.8	449.1	456.3	462.6	468.9	479.6	491.3	502.1	512.9
40°	441.9	445.5	448.2	456.3	463.5	471.5	478.7	491.3	503.9	516.5	529.0
42.5°	447.3	450.9	454.5	462.6	470.7	477.8	485.9	499.4	512.9	526.3	539.8
45°	455.4	459.0	462.6	470.7	479.6	487.7	495.8	510.2	524.5	538.0	552.4
47.5°	461.7	465.3	468.0	476.9	486.8	495.8	504.8	519.2	534.4	548.8	563.2
50°	462.6	467.1	470.7	480.5	489.5	499.4	508.4	523.6	539.8	555.1	570.3
52.5°	460.8	465.3	469.8	480.5	490.4	501.2	511.1	527.2	543.4	559.6	575.7
55°	453.6	458.1	461.7	472.4	483.2	494.0	504.8	521.8	538.0	555.1	571.2
57.5°	443.7	448.2	452.7	462.6	471.5	481.4	490.4	505.7	521.8	537.1	552.4
60°	430.2	434.7	439.2	448.2	457.2	465.3	474.2	486.8	499.4	511.1	523.6
62.5°	402.4	408.7	414.1	423.9	433.8	442.8	452.7	463.5	474.2	484.1	494.9
65°	368.3	374.5	380.8	389.8	398.8	407.8	416.8	428.4	441.0	452.7	464.4
67.5°	335.9	341.3	346.7	353.9	362.0	369.2	376.3	388.0	400.6	412.3	423.9
70°	300.9	307.2	312.6	318.9	325.1	330.5	336.8	346.7	356.6	365.6	375.4
72.5°	258.7	265.0	270.4	276.6	282.0	288.3	293.7	301.8	309.0	317.1	324.2
75°	212.9	219.2	224.5	229.9	236.2	241.6	247.0	252.4	258.7	264.1	269.5
77.5°	163.5	168.9	174.2	179.6	185.9	191.3	196.7	201.2	205.7	209.3	213.8
80°	117.7	122.2	126.6	131.1	135.6	139.2	143.7	147.3	150.0	153.6	156.3
82.5°	68.3	73.7	79.0	83.5	88.0	91.6	96.1	97.9	100.6	102.4	104.2
85°	30.5	35.9	40.4	44.0	47.6	50.3	53.9	55.7	57.5	58.4	60.2
87.5°	6.3	10.8	14.4	18.0	21.6	24.3	27.8	27.8	28.7	28.7	28.7
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	396.1	395.2	395.2	394.3	393.4	392.5	391.6	390.7	389.8	389.8	388.9
5°	394.3	393.4	391.6	389.8	388.0	385.3	383.5	380.8	378.1	376.3	373.6
7.5°	384.4	381.7	379.9	377.2	374.5	371.8	369.2	366.5	362.9	360.2	356.6
10°	371.8	369.2	367.4	364.7	361.1	358.4	354.8	351.2	346.7	342.2	337.7
12.5°	372.7	370.1	366.5	363.8	360.2	357.5	353.9	350.3	345.8	341.3	336.8
15°	385.3	382.6	379.9	377.2	373.6	369.2	365.6	361.1	356.6	352.1	346.7
17.5°	401.5	400.6	398.8	397.0	392.5	388.9	384.4	379.9	375.4	371.0	365.6
20°	415.0	416.8	417.7	418.6	415.9	413.2	410.5	407.8	404.2	400.6	397.0
22.5°	427.5	431.1	434.7	438.3	438.3	439.2	439.2	439.2	439.2	440.1	440.1
25°	441.9	446.4	451.8	456.3	459.9	464.4	468.0	471.5	476.9	483.2	488.6
27.5°	461.7	467.1	473.3	478.7	484.1	490.4	495.8	501.2	513.8	527.2	539.8
30°	481.4	489.5	496.7	504.8	510.2	516.5	521.8	527.2	547.0	565.9	585.6
32.5°	495.8	506.6	517.4	528.1	536.2	543.4	551.5	558.7	584.7	610.8	636.8
35°	509.3	521.8	533.5	545.2	556.9	568.6	580.2	591.9	624.2	655.7	688.0
37.5°	524.5	537.1	548.8	560.5	576.6	592.8	609.0	625.1	663.8	702.4	741.0
40°	541.6	554.2	565.9	578.4	597.3	616.2	634.1	653.0	703.3	753.6	803.0
42.5°	553.3	567.7	581.1	594.6	617.1	639.5	662.0	684.4	747.3	809.3	872.1
45°	567.7	582.0	597.3	611.7	640.4	668.3	697.0	724.8	799.4	874.8	949.4
47.5°	578.4	594.6	609.9	625.1	661.1	697.0	732.0	768.0	856.9	945.8	1033.8
50°	586.5	601.8	618.0	633.2	675.4	717.7	759.0	801.2	905.4	1009.6	1112.9
52.5°	591.9	609.0	625.1	641.3	689.8	738.3	786.8	835.3	950.3	1066.1	1181.1
55°	589.2	606.3	624.2	641.3	697.9	755.4	812.0	868.5	992.5	1117.3	1241.3
57.5°	571.2	589.2	608.1	626.0	688.9	751.8	814.7	877.5	1010.5	1142.5	1275.4
60°	543.4	563.2	582.0	601.8	670.0	737.4	805.7	873.0	1008.7	1144.3	1279.0
62.5°	514.7	534.4	554.2	573.9	647.6	722.1	795.8	869.4	1006.9	1144.3	1280.8
65°	482.3	499.4	517.4	534.4	610.8	687.1	763.5	839.8	976.3	1112.9	1249.4
67.5°	441.0	458.1	475.1	492.2	570.3	648.5	725.7	803.9	930.5	1057.2	1182.9
70°	394.3	413.2	432.0	450.9	528.1	604.5	681.7	758.1	873.0	987.1	1102.1
72.5°	343.1	362.9	381.7	400.6	474.2	548.8	622.4	696.1	801.2	905.4	1010.5
75°	287.4	305.4	323.3	341.3	407.8	473.3	539.8	605.4	700.6	796.7	891.9
77.5°	229.0	244.3	259.6	274.8	331.4	387.1	443.7	499.4	578.4	656.6	735.6
80°	169.8	183.2	196.7	210.2	253.3	296.4	339.5	382.6	444.6	506.6	567.7
82.5°	114.1	123.9	133.8	143.7	173.4	203.0	231.7	261.4	305.4	350.3	394.3
85°	64.7	70.1	74.5	79.0	92.5	105.1	118.6	131.1	152.7	175.1	196.7
87.5°	28.7	29.6	29.6	29.6	29.6	29.6	29.6	29.6	30.5	30.5	31.4
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	388.0	387.1	386.2	385.3	384.4	384.4	383.5	383.5	382.6	381.7	381.7
5°	371.0	369.2	367.4	364.7	362.9	361.1	360.2	358.4	356.6	356.6	355.7
7.5°	353.0	349.4	345.8	342.2	338.6	335.0	332.3	328.7	325.1	324.2	322.4
10°	333.2	327.8	322.4	316.2	310.8	305.4	300.0	293.7	288.3	284.7	282.0
12.5°	332.3	326.9	321.6	316.2	310.8	305.4	300.0	293.7	288.3	284.7	280.2
15°	342.2	337.7	333.2	327.8	323.3	318.9	314.4	309.0	304.5	300.9	296.4
17.5°	361.1	358.4	355.7	352.1	349.4	346.7	344.0	341.3	338.6	335.9	334.1
20°	393.4	393.4	393.4	393.4	393.4	396.1	398.8	400.6	403.3	406.0	407.8
22.5°	440.1	445.5	450.0	455.4	459.9	471.5	482.3	494.0	504.8	514.7	525.4
25°	494.0	509.3	524.5	538.9	554.2	580.2	606.3	631.4	657.5	678.1	698.8
27.5°	552.4	578.4	604.5	629.6	655.7	693.4	732.0	769.7	807.5	832.6	858.7
30°	604.5	639.5	674.5	708.7	743.7	789.5	836.2	882.0	927.8	954.8	981.7
32.5°	662.9	706.9	751.8	795.8	839.8	889.2	938.6	988.0	1037.4	1065.3	1092.2
35°	719.4	775.1	830.8	885.6	941.3	994.3	1048.2	1101.2	1154.2	1182.9	1211.7
37.5°	779.6	847.9	916.2	984.4	1052.7	1110.2	1166.7	1224.2	1280.8	1308.7	1335.6
40°	853.3	931.4	1010.5	1088.6	1166.7	1228.7	1290.7	1352.7	1414.6	1442.5	1471.2
42.5°	934.1	1023.0	1111.1	1200.0	1288.0	1355.4	1423.6	1491.0	1558.4	1586.2	1614.0
45°	1023.9	1124.5	1226.0	1326.6	1427.2	1497.3	1567.3	1636.5	1706.6	1736.2	1764.9
47.5°	1122.7	1232.3	1341.9	1450.6	1560.2	1635.6	1711.9	1787.4	1862.8	1896.1	1930.2
50°	1217.0	1336.5	1456.0	1575.4	1694.9	1773.9	1853.0	1932.0	2011.0	2042.5	2073.0
52.5°	1296.1	1429.0	1562.8	1695.8	1828.7	1906.9	1985.9	2064.0	2142.2	2179.0	2216.7
55°	1365.2	1499.1	1633.8	1767.6	1901.5	1986.8	2073.0	2158.3	2243.7	2278.7	2314.6
57.5°	1407.5	1544.0	1679.6	1816.1	1951.8	2034.4	2117.0	2199.7	2282.3	2317.3	2353.3
60°	1414.6	1553.0	1691.3	1828.7	1967.0	2044.3	2120.6	2197.9	2274.2	2317.3	2360.4
62.5°	1418.2	1545.8	1673.3	1800.9	1928.4	2019.1	2109.8	2200.6	2291.3	2334.4	2378.4
65°	1385.9	1513.4	1640.1	1767.6	1894.3	1980.5	2065.8	2152.1	2237.4	2264.3	2291.3
67.5°	1309.6	1440.7	1570.9	1702.1	1832.3	1895.2	1957.2	2020.0	2082.0	2117.0	2152.1
70°	1216.1	1336.5	1457.8	1578.1	1698.5	1760.4	1823.3	1885.3	1947.3	1989.5	2032.6
72.5°	1114.7	1216.1	1318.5	1420.0	1521.5	1590.7	1659.9	1728.1	1797.3	1832.3	1867.3
75°	987.1	1075.1	1162.3	1250.3	1337.4	1396.7	1455.1	1514.3	1572.7	1602.4	1632.0
77.5°	813.8	890.1	965.6	1041.9	1117.3	1166.7	1216.1	1264.6	1314.0	1341.0	1367.0
80°	629.6	690.7	751.8	812.0	873.0	916.2	959.3	1001.5	1044.6	1065.3	1085.9
82.5°	438.3	481.4	524.5	567.7	610.8	644.0	677.2	710.5	743.7	758.1	773.3
85°	218.3	242.5	266.8	290.1	314.4	337.7	361.1	383.5	406.9	416.8	426.6
87.5°	31.4	33.2	35.0	35.9	37.7	39.5	42.2	44.0	45.8	51.2	56.6
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	380.8	379.9	379.9	379.9	379.9	379.9	380.8	381.7	381.7	382.6	383.5
5°	355.7	354.8	354.8	354.8	354.8	354.8	355.7	355.7	356.6	356.6	358.4
7.5°	321.6	319.8	318.9	318.0	318.9	319.8	321.6	322.4	324.2	325.1	328.7
10°	278.4	274.8	274.8	273.9	274.8	274.8	278.4	282.0	284.7	288.3	293.7
12.5°	276.6	272.2	271.3	269.5	271.3	272.2	276.6	280.2	284.7	288.3	293.7
15°	292.8	288.3	287.4	285.6	287.4	288.3	292.8	296.4	300.9	304.5	309.0
17.5°	331.4	328.7	329.6	330.5	329.6	328.7	331.4	334.1	335.9	338.6	341.3
20°	410.5	412.3	412.3	411.4	412.3	412.3	410.5	407.8	406.0	403.3	400.6
22.5°	535.3	545.2	549.7	553.3	549.7	545.2	535.3	525.4	514.7	504.8	494.0
25°	718.6	739.2	742.8	746.4	742.8	739.2	718.6	698.8	678.1	657.5	631.4
27.5°	883.8	909.0	915.3	920.6	915.3	909.0	883.8	857.8	832.6	807.5	769.7
30°	1007.8	1034.7	1038.3	1041.0	1038.3	1034.7	1007.8	980.8	954.8	927.8	882.0
32.5°	1120.0	1147.0	1149.7	1152.4	1149.7	1147.0	1119.1	1092.2	1065.3	1037.4	988.0
35°	1239.5	1268.2	1268.2	1267.3	1268.2	1268.2	1239.5	1210.8	1182.9	1154.2	1101.2
37.5°	1363.4	1390.4	1395.8	1400.3	1395.8	1390.4	1362.6	1335.6	1308.7	1280.8	1224.2
40°	1499.1	1526.9	1529.6	1531.4	1529.6	1526.9	1499.1	1470.3	1442.5	1414.6	1352.7
42.5°	1641.0	1668.8	1672.4	1676.0	1672.4	1668.8	1641.0	1613.1	1586.2	1558.4	1491.0
45°	1794.6	1823.3	1824.2	1824.2	1824.2	1823.3	1793.7	1764.9	1736.2	1706.6	1636.5
47.5°	1963.4	1996.7	1999.4	2002.1	1999.4	1996.7	1963.4	1929.3	1896.1	1862.8	1787.4
50°	2104.5	2135.0	2141.3	2146.7	2141.3	2135.0	2103.6	2073.0	2042.5	2011.0	1932.0
52.5°	2253.6	2290.4	2295.8	2301.2	2295.8	2290.4	2253.6	2215.8	2179.0	2142.2	2064.0
55°	2349.7	2384.7	2394.6	2403.6	2394.6	2384.7	2349.7	2313.7	2278.7	2243.7	2158.3
57.5°	2388.3	2423.3	2433.2	2442.2	2433.2	2423.3	2388.3	2352.4	2317.3	2282.3	2199.7
60°	2402.7	2445.8	2454.7	2463.7	2454.7	2445.8	2402.7	2359.5	2317.3	2274.2	2197.9
62.5°	2421.5	2464.6	2467.3	2469.1	2467.3	2464.6	2421.5	2377.5	2334.4	2291.3	2200.6
65°	2317.3	2344.3	2347.9	2350.6	2347.9	2344.3	2317.3	2290.4	2264.3	2237.4	2152.1
67.5°	2186.2	2221.2	2236.5	2250.9	2235.6	2221.2	2186.2	2151.2	2117.0	2082.0	2020.0
70°	2074.8	2117.0	2125.1	2132.3	2125.1	2117.0	2074.8	2031.7	1989.5	1947.3	1885.3
72.5°	1902.4	1937.4	1937.4	1937.4	1937.4	1937.4	1902.4	1867.3	1832.3	1797.3	1728.1
75°	1661.6	1691.3	1692.2	1693.1	1692.2	1691.3	1661.6	1632.0	1602.4	1572.7	1514.3
77.5°	1394.0	1420.0	1430.8	1440.7	1430.8	1420.0	1393.1	1367.0	1341.0	1314.0	1264.6
80°	1106.6	1127.2	1134.4	1141.6	1134.4	1127.2	1106.6	1085.9	1065.3	1044.6	1001.5
82.5°	787.7	802.1	805.7	809.3	805.7	802.1	787.7	773.3	758.1	743.7	710.5
85°	435.6	445.5	449.1	451.8	449.1	445.5	435.6	426.6	416.8	406.9	383.5
87.5°	61.1	66.5	63.8	61.1	63.8	66.5	61.1	56.6	51.2	45.8	44.0
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	383.5	384.4	384.4	385.3	386.2	387.1	388.0	388.9	389.8	389.8	390.7
5°	360.2	361.1	362.9	364.7	367.4	369.2	371.0	373.6	376.3	378.1	380.8
7.5°	332.3	335.0	338.6	342.2	345.8	349.4	353.0	356.6	360.2	362.9	366.5
10°	300.0	305.4	310.8	316.2	322.4	327.8	333.2	337.7	342.2	346.7	351.2
12.5°	300.0	305.4	310.8	316.2	321.6	326.9	332.3	336.8	341.3	345.8	350.3
15°	314.4	318.9	323.3	327.8	333.2	337.7	342.2	346.7	352.1	356.6	361.1
17.5°	344.0	346.7	349.4	352.1	355.7	358.4	361.1	365.6	371.0	375.4	379.9
20°	398.8	396.1	393.4	393.4	393.4	393.4	393.4	397.0	400.6	404.2	407.8
22.5°	482.3	471.5	459.9	455.4	450.0	445.5	440.1	440.1	440.1	439.2	439.2
25°	606.3	580.2	554.2	538.9	523.6	509.3	494.0	488.6	483.2	476.9	471.5
27.5°	732.0	693.4	655.7	629.6	603.6	578.4	552.4	539.8	527.2	513.8	501.2
30°	836.2	789.5	743.7	708.7	673.6	639.5	604.5	584.7	565.9	547.0	527.2
32.5°	938.6	889.2	839.8	795.8	750.9	706.9	662.9	636.8	610.8	584.7	558.7
35°	1048.2	994.3	941.3	885.6	829.9	775.1	719.4	687.1	655.7	624.2	591.9
37.5°	1166.7	1110.2	1052.7	984.4	916.2	847.9	779.6	741.0	702.4	663.8	625.1
40°	1290.7	1228.7	1166.7	1088.6	1009.6	931.4	853.3	803.0	753.6	703.3	653.0
42.5°	1423.6	1355.4	1288.0	1199.1	1111.1	1022.1	934.1	871.2	809.3	747.3	684.4
45°	1567.3	1497.3	1427.2	1326.6	1225.1	1124.5	1023.9	949.4	874.8	799.4	724.8
47.5°	1711.9	1635.6	1560.2	1450.6	1341.0	1232.3	1122.7	1033.8	945.8	856.9	768.0
50°	1853.0	1773.9	1694.9	1575.4	1456.0	1336.5	1217.0	1112.9	1009.6	905.4	801.2
52.5°	1985.9	1906.9	1828.7	1695.8	1561.9	1429.0	1296.1	1181.1	1066.1	950.3	835.3
55°	2073.0	1986.8	1901.5	1767.6	1632.9	1499.1	1365.2	1241.3	1117.3	992.5	868.5
57.5°	2117.0	2034.4	1951.8	1815.2	1679.6	1543.1	1407.5	1274.5	1142.5	1010.5	877.5
60°	2120.6	2044.3	1967.0	1828.7	1690.4	1553.0	1414.6	1279.0	1144.3	1008.7	873.0
62.5°	2109.8	2019.1	1928.4	1800.9	1673.3	1545.8	1418.2	1280.8	1144.3	1006.9	869.4
65°	2065.8	1980.5	1894.3	1766.7	1640.1	1512.5	1385.9	1249.4	1112.9	976.3	839.8
67.5°	1957.2	1895.2	1832.3	1701.2	1570.9	1439.8	1309.6	1182.9	1057.2	930.5	803.9
70°	1823.3	1760.4	1698.5	1578.1	1456.9	1336.5	1216.1	1101.2	987.1	873.0	758.1
72.5°	1659.9	1590.7	1521.5	1420.0	1317.6	1216.1	1114.7	1009.6	905.4	801.2	696.1
75°	1455.1	1396.7	1337.4	1249.4	1162.3	1074.2	987.1	891.9	796.7	700.6	605.4
77.5°	1216.1	1166.7	1117.3	1041.0	965.6	889.2	813.8	734.7	656.6	578.4	499.4
80°	959.3	916.2	873.0	812.0	750.9	690.7	629.6	567.7	506.6	444.6	382.6
82.5°	677.2	644.0	610.8	567.7	524.5	481.4	438.3	394.3	350.3	305.4	261.4
85°	361.1	337.7	314.4	290.1	265.9	242.5	218.3	196.7	175.1	152.7	131.1
87.5°	42.2	39.5	37.7	35.9	35.0	33.2	31.4	31.4	30.5	30.5	29.6
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	391.6	392.5	393.4	394.3	395.2	395.2	396.1	396.1	397.0	397.0	397.9
5°	383.5	385.3	388.0	389.8	391.6	393.4	394.3	396.1	397.0	398.8	399.7
7.5°	369.2	371.8	374.5	377.2	379.9	381.7	384.4	386.2	388.0	389.8	390.7
10°	354.8	358.4	361.1	364.7	367.4	369.2	371.8	373.6	375.4	377.2	379.0
12.5°	353.9	357.5	360.2	363.8	366.5	370.1	372.7	375.4	377.2	379.0	379.9
15°	365.6	369.2	373.6	377.2	379.9	382.6	385.3	388.0	389.8	390.7	392.5
17.5°	384.4	388.9	392.5	397.0	398.8	400.6	401.5	403.3	403.3	403.3	403.3
20°	410.5	413.2	415.9	418.6	417.7	416.8	415.0	414.1	412.3	410.5	408.7
22.5°	439.2	439.2	438.3	438.3	434.7	431.1	427.5	423.9	421.3	418.6	415.0
25°	468.0	464.4	459.9	456.3	451.8	446.4	441.9	436.5	432.9	430.2	426.6
27.5°	495.8	490.4	484.1	478.7	473.3	467.1	461.7	455.4	450.9	446.4	441.0
30°	521.8	516.5	510.2	504.8	496.7	489.5	481.4	473.3	466.2	459.0	450.9
32.5°	551.5	543.4	536.2	528.1	517.4	506.6	495.8	485.0	476.0	467.1	457.2
35°	580.2	568.6	556.9	545.2	533.5	521.8	509.3	497.6	487.7	477.8	468.0
37.5°	609.0	592.8	576.6	560.5	548.8	537.1	524.5	512.9	502.1	491.3	479.6
40°	634.1	616.2	597.3	578.4	565.9	554.2	541.6	529.0	516.5	503.9	491.3
42.5°	662.0	639.5	617.1	594.6	581.1	567.7	553.3	539.8	526.3	512.9	499.4
45°	697.0	668.3	640.4	611.7	597.3	582.0	567.7	552.4	538.0	524.5	510.2
47.5°	732.0	697.0	661.1	625.1	609.9	594.6	578.4	563.2	548.8	534.4	519.2
50°	759.0	717.7	675.4	633.2	618.0	601.8	586.5	570.3	555.1	539.8	523.6
52.5°	786.8	738.3	689.8	641.3	625.1	609.0	591.9	575.7	559.6	543.4	527.2
55°	812.0	755.4	697.9	641.3	624.2	606.3	589.2	571.2	555.1	538.0	521.8
57.5°	814.7	751.8	688.9	626.0	608.1	589.2	571.2	552.4	537.1	521.8	505.7
60°	805.7	737.4	670.0	601.8	582.0	563.2	543.4	523.6	511.1	499.4	486.8
62.5°	795.8	722.1	647.6	573.9	554.2	534.4	514.7	494.9	484.1	474.2	463.5
65°	763.5	687.1	610.8	534.4	517.4	499.4	482.3	464.4	452.7	441.0	428.4
67.5°	725.7	648.5	570.3	492.2	475.1	458.1	441.0	423.9	412.3	400.6	388.0
70°	681.7	604.5	528.1	450.9	432.0	413.2	394.3	375.4	365.6	356.6	346.7
72.5°	622.4	548.8	474.2	400.6	381.7	362.9	343.1	324.2	317.1	309.0	301.8
75°	539.8	473.3	407.8	341.3	323.3	305.4	287.4	269.5	264.1	258.7	252.4
77.5°	443.7	387.1	331.4	274.8	259.6	244.3	229.0	213.8	209.3	205.7	201.2
80°	339.5	296.4	253.3	210.2	196.7	183.2	169.8	156.3	153.6	150.0	147.3
82.5°	231.7	203.0	173.4	143.7	133.8	123.9	114.1	104.2	102.4	100.6	97.9
85°	118.6	105.1	92.5	79.0	74.5	70.1	64.7	60.2	58.4	57.5	55.7
87.5°	29.6	29.6	29.6	29.6	29.6	29.6	28.7	28.7	28.7	28.7	27.8
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	397.9	397.9	398.8	398.8	398.8	398.8	398.8	398.8	398.8	398.8	398.8
5°	400.6	401.5	401.5	402.4	402.4	402.4	402.4	402.4	402.4	402.4	401.5
7.5°	392.5	393.4	394.3	394.3	395.2	395.2	395.2	395.2	395.2	394.3	394.3
10°	380.8	381.7	382.6	382.6	383.5	384.4	385.3	384.4	383.5	382.6	382.6
12.5°	381.7	382.6	382.6	383.5	383.5	384.4	384.4	384.4	383.5	383.5	382.6
15°	393.4	393.4	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
17.5°	403.3	402.4	402.4	401.5	400.6	400.6	400.6	400.6	400.6	401.5	402.4
20°	406.9	405.1	404.2	402.4	400.6	400.6	400.6	400.6	400.6	402.4	404.2
22.5°	412.3	410.5	407.8	406.0	403.3	403.3	402.4	403.3	403.3	406.0	407.8
25°	423.0	420.4	418.6	415.9	413.2	413.2	413.2	413.2	413.2	415.9	418.6
27.5°	436.5	433.8	431.1	427.5	424.8	423.9	423.0	423.9	424.8	427.5	431.1
30°	443.7	439.2	434.7	430.2	425.7	424.8	423.9	424.8	425.7	430.2	434.7
32.5°	448.2	442.8	438.3	432.9	427.5	426.6	424.8	426.6	427.5	432.9	438.3
35°	458.1	452.7	447.3	441.0	435.6	433.8	431.1	433.8	435.6	441.0	447.3
37.5°	468.9	462.6	456.3	449.1	442.8	440.1	437.4	440.1	442.8	449.1	456.3
40°	478.7	471.5	463.5	455.4	448.2	444.6	441.9	445.5	448.2	456.3	463.5
42.5°	485.9	477.8	470.7	462.6	454.5	450.9	447.3	450.9	454.5	462.6	470.7
45°	495.8	487.7	479.6	470.7	462.6	459.0	455.4	459.0	462.6	470.7	479.6
47.5°	504.8	495.8	486.8	476.9	468.0	464.4	461.7	465.3	468.0	476.9	486.8
50°	508.4	499.4	489.5	479.6	470.7	466.2	462.6	467.1	470.7	480.5	489.5
52.5°	511.1	501.2	490.4	479.6	469.8	465.3	460.8	465.3	469.8	480.5	490.4
55°	504.8	494.0	483.2	472.4	461.7	457.2	453.6	458.1	461.7	472.4	483.2
57.5°	490.4	481.4	471.5	461.7	452.7	448.2	443.7	448.2	452.7	462.6	471.5
60°	474.2	465.3	457.2	448.2	439.2	434.7	430.2	434.7	439.2	448.2	457.2
62.5°	452.7	442.8	433.8	423.9	414.1	407.8	402.4	408.7	414.1	423.9	433.8
65°	416.8	407.8	398.8	389.8	380.8	374.5	368.3	374.5	380.8	389.8	398.8
67.5°	376.3	369.2	362.0	353.9	346.7	341.3	335.9	341.3	346.7	353.9	362.0
70°	336.8	330.5	325.1	318.9	312.6	306.3	300.9	307.2	312.6	318.9	325.1
72.5°	293.7	288.3	282.0	275.7	270.4	264.1	258.7	265.0	270.4	276.6	282.0
75°	247.0	241.6	236.2	229.9	224.5	218.3	212.9	219.2	224.5	229.9	236.2
77.5°	196.7	191.3	185.9	179.6	174.2	168.9	163.5	168.9	174.2	179.6	185.9
80°	143.7	139.2	135.6	131.1	126.6	122.2	117.7	122.2	126.6	131.1	135.6
82.5°	96.1	91.6	88.0	83.5	79.0	73.7	68.3	73.7	79.0	83.5	88.0
85°	53.9	50.3	47.6	44.0	40.4	35.0	30.5	35.9	40.4	44.0	47.6
87.5°	27.8	24.3	21.6	18.0	14.4	9.9	6.3	10.8	14.4	18.0	21.6
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	397.9	397.9	397.9	397.0	397.0	396.1	396.1	395.2	395.2	394.3	393.4
5°	401.5	400.6	399.7	398.8	397.0	396.1	394.3	393.4	391.6	389.8	388.0
7.5°	393.4	392.5	390.7	389.8	388.0	386.2	384.4	381.7	379.9	377.2	374.5
10°	381.7	380.8	379.0	377.2	375.4	373.6	371.8	369.2	367.4	364.7	361.1
12.5°	382.6	381.7	379.9	379.0	377.2	375.4	372.7	370.1	366.5	363.8	360.2
15°	393.4	393.4	392.5	390.7	389.8	388.0	385.3	382.6	379.9	377.2	373.6
17.5°	402.4	403.3	403.3	403.3	403.3	403.3	401.5	400.6	398.8	397.0	392.5
20°	405.1	406.9	408.7	410.5	412.3	414.1	415.0	416.8	417.7	418.6	415.9
22.5°	410.5	412.3	415.0	418.6	421.3	423.9	427.5	431.1	434.7	438.3	438.3
25°	420.4	423.0	426.6	430.2	432.9	436.5	441.9	446.4	451.8	456.3	459.9
27.5°	433.8	436.5	441.0	446.4	450.9	455.4	461.7	467.1	473.3	478.7	484.1
30°	439.2	443.7	450.9	459.0	466.2	473.3	481.4	489.5	496.7	504.8	510.2
32.5°	442.8	448.2	457.2	467.1	476.0	485.0	495.8	506.6	517.4	528.1	536.2
35°	452.7	458.1	468.0	477.8	487.7	497.6	509.3	521.8	533.5	545.2	556.9
37.5°	462.6	468.9	479.6	491.3	502.1	512.9	524.5	537.1	548.8	560.5	576.6
40°	471.5	478.7	491.3	503.9	516.5	529.0	541.6	554.2	565.9	578.4	597.3
42.5°	477.8	485.9	499.4	512.9	526.3	539.8	553.3	567.7	581.1	594.6	617.1
45°	487.7	495.8	510.2	524.5	538.0	552.4	567.7	582.0	597.3	611.7	640.4
47.5°	495.8	504.8	519.2	534.4	548.8	563.2	578.4	594.6	609.9	625.1	661.1
50°	499.4	508.4	523.6	539.8	555.1	570.3	586.5	601.8	618.0	633.2	675.4
52.5°	501.2	511.1	527.2	543.4	559.6	575.7	591.9	609.0	625.1	641.3	689.8
55°	494.0	504.8	521.8	538.0	555.1	571.2	589.2	606.3	624.2	641.3	697.9
57.5°	481.4	490.4	505.7	521.8	537.1	552.4	571.2	589.2	608.1	626.0	688.9
60°	465.3	474.2	486.8	499.4	511.1	523.6	543.4	563.2	582.0	601.8	670.0
62.5°	442.8	452.7	463.5	474.2	484.1	494.9	514.7	534.4	554.2	573.9	647.6
65°	407.8	416.8	428.4	441.0	452.7	464.4	482.3	499.4	517.4	534.4	610.8
67.5°	369.2	376.3	388.0	400.6	412.3	423.9	441.0	458.1	475.1	492.2	570.3
70°	330.5	336.8	346.7	356.6	365.6	375.4	394.3	413.2	432.0	450.9	528.1
72.5°	288.3	293.7	301.8	309.0	317.1	324.2	343.1	362.9	381.7	400.6	474.2
75°	241.6	247.0	252.4	258.7	264.1	269.5	287.4	305.4	323.3	341.3	407.8
77.5°	191.3	196.7	201.2	205.7	209.3	213.8	229.0	244.3	259.6	274.8	331.4
80°	139.2	143.7	147.3	150.0	153.6	156.3	169.8	183.2	196.7	210.2	253.3
82.5°	91.6	96.1	97.9	100.6	102.4	104.2	114.1	123.9	133.8	143.7	173.4
85°	50.3	53.9	55.7	57.5	58.4	60.2	64.7	70.1	74.5	79.0	92.5
87.5°	24.3	27.8	27.8	28.7	28.7	28.7	28.7	29.6	29.6	29.6	29.6
90°	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
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



REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	392.5	391.6	390.7	389.8	389.8	388.9	388.0	387.1	386.2	385.3	384.4
5°	385.3	383.5	380.8	378.1	376.3	373.6	371.0	369.2	367.4	364.7	362.9
7.5°	371.8	369.2	366.5	362.9	360.2	356.6	353.0	349.4	345.8	342.2	338.6
10°	358.4	354.8	351.2	346.7	342.2	337.7	333.2	327.8	322.4	316.2	310.8
12.5°	357.5	353.9	350.3	345.8	341.3	336.8	332.3	326.9	321.6	316.2	310.8
15°	369.2	365.6	361.1	356.6	352.1	346.7	342.2	337.7	333.2	327.8	323.3
17.5°	388.9	384.4	379.9	375.4	371.0	365.6	361.1	358.4	355.7	352.1	349.4
20°	413.2	410.5	407.8	404.2	400.6	397.0	393.4	393.4	393.4	393.4	393.4
22.5°	439.2	439.2	439.2	439.2	440.1	440.1	440.1	445.5	450.0	455.4	459.9
25°	464.4	468.0	471.5	476.9	483.2	488.6	494.0	509.3	524.5	538.9	554.2
27.5°	490.4	495.8	501.2	513.8	527.2	539.8	552.4	578.4	604.5	629.6	655.7
30°	516.5	521.8	527.2	547.0	565.9	585.6	604.5	639.5	674.5	708.7	743.7
32.5°	543.4	551.5	558.7	584.7	610.8	636.8	662.9	706.9	751.8	795.8	839.8
35°	568.6	580.2	591.9	624.2	655.7	688.0	719.4	775.1	830.8	885.6	941.3
37.5°	592.8	609.0	625.1	663.8	702.4	741.0	779.6	847.9	916.2	984.4	1052.7
40°	616.2	634.1	653.0	703.3	753.6	803.0	853.3	931.4	1010.5	1088.6	1166.7
42.5°	639.5	662.0	684.4	747.3	809.3	872.1	934.1	1023.0	1111.1	1200.0	1288.0
45°	668.3	697.0	724.8	799.4	874.8	949.4	1023.9	1124.5	1226.0	1326.6	1427.2
47.5°	697.0	732.0	768.0	856.9	945.8	1033.8	1122.7	1232.3	1341.9	1450.6	1560.2
50°	717.7	759.0	801.2	905.4	1009.6	1112.9	1217.0	1336.5	1456.0	1575.4	1694.9
52.5°	738.3	786.8	835.3	950.3	1066.1	1181.1	1296.1	1429.0	1562.8	1695.8	1828.7
55°	755.4	812.0	868.5	992.5	1117.3	1241.3	1365.2	1499.1	1633.8	1767.6	1901.5
57.5°	751.8	814.7	877.5	1010.5	1142.5	1275.4	1407.5	1544.0	1679.6	1816.1	1951.8
60°	737.4	805.7	873.0	1008.7	1144.3	1279.0	1414.6	1553.0	1691.3	1828.7	1967.0
62.5°	722.1	795.8	869.4	1006.9	1144.3	1280.8	1418.2	1545.8	1673.3	1800.9	1928.4
65°	687.1	763.5	839.8	976.3	1112.9	1249.4	1385.9	1513.4	1640.1	1767.6	1894.3
67.5°	648.5	725.7	803.9	930.5	1057.2	1182.9	1309.6	1440.7	1570.9	1702.1	1832.3
70°	604.5	681.7	758.1	873.0	987.1	1102.1	1216.1	1336.5	1457.8	1578.1	1698.5
72.5°	548.8	622.4	696.1	801.2	905.4	1010.5	1114.7	1216.1	1318.5	1420.0	1521.5
75°	473.3	539.8	605.4	700.6	796.7	891.9	987.1	1075.1	1162.3	1250.3	1337.4
77.5°	387.1	443.7	499.4	578.4	656.6	735.6	813.8	890.1	965.6	1041.9	1117.3
80°	296.4	339.5	382.6	444.6	506.6	567.7	629.6	690.7	751.8	812.0	873.0
82.5°	203.0	231.7	261.4	305.4	350.3	394.3	438.3	481.4	524.5	567.7	610.8
85°	105.1	118.6	131.1	152.7	175.1	196.7	218.3	242.5	266.8	290.1	314.4
87.5°	29.6	29.6	29.6	30.5	30.5	31.4	31.4	33.2	35.0	35.9	37.7
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	384.4	383.5	383.5	382.6	381.7	381.7	380.8	379.9	379.9	379.9	379.9
5°	361.1	360.2	358.4	356.6	356.6	355.7	355.7	354.8	354.8	354.8	354.8
7.5°	335.0	332.3	328.7	325.1	324.2	322.4	321.6	319.8	318.9	318.0	318.9
10°	305.4	300.0	293.7	288.3	284.7	282.0	278.4	274.8	274.8	273.9	274.8
12.5°	305.4	300.0	293.7	288.3	284.7	280.2	276.6	272.2	271.3	269.5	271.3
15°	318.9	314.4	309.0	304.5	300.9	296.4	292.8	288.3	287.4	285.6	287.4
17.5°	346.7	344.0	341.3	338.6	335.9	334.1	331.4	328.7	329.6	330.5	329.6
20°	396.1	398.8	400.6	403.3	405.1	407.8	409.6	412.3	412.3	411.4	412.3
22.5°	471.5	482.3	493.1	504.8	514.7	525.4	535.3	545.2	548.8	553.3	549.7
25°	580.2	606.3	631.4	657.5	678.1	698.8	718.6	739.2	742.8	746.4	742.8
27.5°	693.4	732.0	769.7	807.5	832.6	858.7	883.8	909.0	914.4	920.6	915.3
30°	789.5	836.2	882.0	927.8	954.8	981.7	1007.8	1034.7	1037.4	1041.0	1038.3
32.5°	889.2	938.6	988.0	1037.4	1064.4	1092.2	1119.1	1147.0	1149.7	1152.4	1149.7
35°	994.3	1048.2	1101.2	1154.2	1182.9	1211.7	1239.5	1268.2	1268.2	1267.3	1268.2
37.5°	1110.2	1166.7	1223.3	1280.8	1307.8	1335.6	1362.6	1390.4	1394.9	1400.3	1395.8
40°	1228.7	1290.7	1352.7	1414.6	1442.5	1471.2	1499.1	1526.9	1528.7	1531.4	1529.6
42.5°	1355.4	1423.6	1491.0	1558.4	1586.2	1614.0	1641.0	1668.8	1672.4	1676.0	1672.4
45°	1497.3	1567.3	1636.5	1706.6	1735.3	1764.9	1793.7	1823.3	1824.2	1824.2	1824.2
47.5°	1635.6	1711.9	1787.4	1862.8	1896.1	1930.2	1963.4	1996.7	1999.4	2002.1	1999.4
50°	1773.9	1853.0	1932.0	2011.0	2041.6	2073.0	2103.6	2135.0	2140.4	2146.7	2141.3
52.5°	1906.9	1985.9	2064.0	2142.2	2179.0	2216.7	2253.6	2290.4	2295.8	2301.2	2295.8
55°	1986.8	2073.0	2158.3	2243.7	2278.7	2314.6	2349.7	2384.7	2393.7	2403.6	2394.6
57.5°	2034.4	2117.0	2199.7	2282.3	2317.3	2353.3	2388.3	2423.3	2432.3	2442.2	2433.2
60°	2044.3	2120.6	2197.0	2274.2	2317.3	2360.4	2402.7	2445.8	2454.7	2463.7	2454.7
62.5°	2019.1	2109.8	2200.6	2291.3	2334.4	2378.4	2421.5	2464.6	2466.4	2469.1	2467.3
65°	1980.5	2065.8	2151.2	2237.4	2264.3	2291.3	2317.3	2344.3	2347.0	2350.6	2347.9
67.5°	1895.2	1957.2	2019.1	2082.0	2117.0	2152.1	2186.2	2221.2	2235.6	2250.9	2236.5
70°	1760.4	1823.3	1885.3	1947.3	1989.5	2032.6	2074.8	2117.0	2124.2	2132.3	2125.1
72.5°	1590.7	1659.9	1728.1	1797.3	1832.3	1867.3	1902.4	1937.4	1937.4	1937.4	1937.4
75°	1396.7	1455.1	1513.4	1572.7	1602.4	1632.0	1661.6	1691.3	1692.2	1693.1	1692.2
77.5°	1166.7	1216.1	1264.6	1314.0	1340.1	1367.0	1393.1	1420.0	1429.9	1440.7	1430.8
80°	916.2	959.3	1001.5	1044.6	1065.3	1085.9	1106.6	1127.2	1134.4	1141.6	1134.4
82.5°	644.0	677.2	710.5	743.7	758.1	773.3	787.7	802.1	805.7	809.3	805.7
85°	337.7	361.1	383.5	406.9	416.8	426.6	435.6	445.5	448.2	451.8	449.1
87.5°	39.5	42.2	44.0	45.8	51.2	56.6	61.1	66.5	63.8	61.1	63.8
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	379.9	380.8	381.7	381.7	382.6	383.5	383.5	384.4	384.4	385.3	386.2
5°	354.8	355.7	355.7	356.6	356.6	358.4	360.2	361.1	362.9	364.7	367.4
7.5°	319.8	321.6	322.4	324.2	325.1	328.7	332.3	335.0	338.6	342.2	345.8
10°	274.8	278.4	282.0	284.7	288.3	293.7	300.0	305.4	310.8	316.2	322.4
12.5°	272.2	276.6	280.2	284.7	288.3	293.7	300.0	305.4	310.8	316.2	321.6
15°	288.3	292.8	296.4	300.9	304.5	309.0	314.4	318.9	323.3	327.8	333.2
17.5°	328.7	331.4	334.1	335.9	338.6	341.3	344.0	346.7	349.4	352.1	355.7
20°	412.3	409.6	407.8	405.1	403.3	400.6	398.8	396.1	393.4	393.4	393.4
22.5°	545.2	535.3	525.4	514.7	504.8	493.1	482.3	470.7	459.9	454.5	450.0
25°	739.2	718.6	698.8	678.1	657.5	631.4	606.3	580.2	554.2	538.9	524.5
27.5°	909.0	883.8	858.7	832.6	807.5	769.7	732.0	693.4	655.7	629.6	604.5
30°	1034.7	1007.8	981.7	954.8	927.8	882.0	836.2	789.5	743.7	708.7	674.5
32.5°	1147.0	1119.1	1092.2	1064.4	1037.4	988.0	938.6	889.2	839.8	795.8	751.8
35°	1268.2	1239.5	1211.7	1182.9	1154.2	1101.2	1048.2	994.3	941.3	885.6	830.8
37.5°	1390.4	1362.6	1335.6	1307.8	1280.8	1223.3	1166.7	1109.3	1052.7	984.4	916.2
40°	1526.9	1499.1	1471.2	1442.5	1414.6	1352.7	1290.7	1228.7	1166.7	1088.6	1010.5
42.5°	1668.8	1641.0	1614.0	1586.2	1558.4	1491.0	1423.6	1355.4	1288.0	1199.1	1111.1
45°	1823.3	1793.7	1764.9	1735.3	1706.6	1636.5	1567.3	1497.3	1427.2	1326.6	1226.0
47.5°	1996.7	1963.4	1930.2	1896.1	1862.8	1787.4	1711.9	1635.6	1560.2	1450.6	1341.9
50°	2135.0	2103.6	2073.0	2041.6	2011.0	1932.0	1853.0	1773.9	1694.9	1575.4	1456.0
52.5°	2290.4	2253.6	2216.7	2179.0	2142.2	2064.0	1985.9	1906.9	1828.7	1695.8	1562.8
55°	2384.7	2349.7	2314.6	2278.7	2243.7	2158.3	2073.0	1986.8	1901.5	1767.6	1633.8
57.5°	2423.3	2388.3	2353.3	2317.3	2282.3	2199.7	2117.0	2034.4	1951.8	1815.2	1679.6
60°	2445.8	2402.7	2360.4	2317.3	2274.2	2197.0	2120.6	2043.4	1967.0	1828.7	1691.3
62.5°	2464.6	2421.5	2378.4	2334.4	2291.3	2200.6	2109.8	2019.1	1928.4	1800.9	1673.3
65°	2344.3	2317.3	2291.3	2264.3	2237.4	2151.2	2065.8	1979.6	1894.3	1766.7	1640.1
67.5°	2221.2	2186.2	2152.1	2117.0	2082.0	2019.1	1957.2	1894.3	1832.3	1701.2	1570.9
70°	2117.0	2074.8	2032.6	1989.5	1947.3	1885.3	1823.3	1760.4	1698.5	1578.1	1457.8
72.5°	1937.4	1902.4	1867.3	1832.3	1797.3	1728.1	1659.9	1590.7	1521.5	1420.0	1318.5
75°	1691.3	1661.6	1632.0	1602.4	1572.7	1513.4	1455.1	1395.8	1337.4	1249.4	1162.3
77.5°	1420.0	1393.1	1367.0	1340.1	1314.0	1264.6	1216.1	1166.7	1117.3	1041.0	965.6
80°	1127.2	1106.6	1085.9	1065.3	1044.6	1001.5	959.3	916.2	873.0	812.0	751.8
82.5°	802.1	787.7	773.3	758.1	743.7	710.5	677.2	644.0	610.8	567.7	524.5
85°	445.5	435.6	426.6	416.8	406.9	383.5	361.1	337.7	314.4	290.1	266.8
87.5°	66.5	61.1	56.6	51.2	45.8	44.0	42.2	39.5	37.7	35.9	35.0
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	387.1	388.0	388.9	389.8	389.8	390.7	391.6	392.5	393.4	394.3	395.2
5°	369.2	371.0	373.6	376.3	378.1	380.8	383.5	385.3	388.0	389.8	391.6
7.5°	349.4	353.0	356.6	360.2	362.9	366.5	369.2	371.8	374.5	377.2	379.9
10°	327.8	333.2	337.7	342.2	346.7	351.2	354.8	358.4	361.1	364.7	367.4
12.5°	326.9	332.3	336.8	341.3	345.8	350.3	353.9	357.5	360.2	363.8	366.5
15°	337.7	342.2	346.7	352.1	356.6	361.1	365.6	369.2	373.6	377.2	379.9
17.5°	358.4	361.1	365.6	371.0	375.4	379.9	384.4	388.9	392.5	397.0	398.8
20°	393.4	393.4	397.0	400.6	404.2	407.8	410.5	413.2	415.9	418.6	417.7
22.5°	445.5	440.1	440.1	440.1	439.2	439.2	439.2	439.2	438.3	438.3	434.7
25°	509.3	494.0	488.6	483.2	476.9	471.5	468.0	464.4	459.9	456.3	451.8
27.5°	578.4	552.4	539.8	527.2	513.8	501.2	495.8	490.4	484.1	478.7	473.3
30°	639.5	604.5	585.6	565.9	547.0	527.2	521.8	516.5	510.2	504.8	496.7
32.5°	706.9	662.9	636.8	610.8	584.7	558.7	551.5	543.4	536.2	528.1	517.4
35°	775.1	719.4	688.0	655.7	624.2	591.9	580.2	568.6	556.9	545.2	533.5
37.5°	847.9	779.6	741.0	702.4	663.8	625.1	609.0	592.8	576.6	560.5	548.8
40°	931.4	853.3	803.0	753.6	703.3	653.0	634.1	616.2	597.3	578.4	565.9
42.5°	1023.0	934.1	872.1	809.3	747.3	684.4	662.0	639.5	617.1	594.6	581.1
45°	1124.5	1023.9	949.4	874.8	799.4	724.8	697.0	668.3	640.4	611.7	597.3
47.5°	1232.3	1122.7	1033.8	945.8	856.9	768.0	732.0	697.0	661.1	625.1	609.9
50°	1336.5	1217.0	1112.9	1009.6	905.4	801.2	759.0	717.7	675.4	633.2	618.0
52.5°	1429.0	1296.1	1181.1	1066.1	950.3	835.3	786.8	738.3	689.8	641.3	625.1
55°	1499.1	1365.2	1241.3	1117.3	992.5	868.5	812.0	755.4	697.9	641.3	624.2
57.5°	1544.0	1407.5	1275.4	1142.5	1010.5	877.5	814.7	751.8	688.9	626.0	608.1
60°	1553.0	1414.6	1279.0	1144.3	1008.7	873.0	805.7	737.4	670.0	601.8	582.0
62.5°	1545.8	1418.2	1280.8	1144.3	1006.9	869.4	795.8	722.1	647.6	573.9	554.2
65°	1513.4	1385.9	1249.4	1112.9	976.3	839.8	763.5	687.1	610.8	534.4	517.4
67.5°	1440.7	1309.6	1182.9	1057.2	930.5	803.9	725.7	648.5	570.3	492.2	475.1
70°	1336.5	1216.1	1102.1	987.1	873.0	758.1	681.7	604.5	528.1	450.9	432.0
72.5°	1216.1	1114.7	1010.5	905.4	801.2	696.1	622.4	548.8	474.2	400.6	381.7
75°	1075.1	987.1	891.9	796.7	700.6	605.4	539.8	473.3	407.8	341.3	323.3
77.5°	890.1	813.8	735.6	656.6	578.4	499.4	443.7	387.1	331.4	274.8	259.6
80°	690.7	629.6	567.7	506.6	444.6	382.6	339.5	296.4	253.3	210.2	196.7
82.5°	481.4	438.3	394.3	350.3	305.4	261.4	231.7	203.0	173.4	143.7	133.8
85°	242.5	218.3	196.7	175.1	152.7	131.1	118.6	105.1	92.5	79.0	74.5
87.5°	33.2	31.4	31.4	30.5	30.5	29.6	29.6	29.6	29.6	29.6	29.6
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3	394.3
2.5°	395.2	396.1	396.1	397.0	397.0	397.9	397.9	397.9	398.8	398.8	398.8
5°	392.5	394.3	396.1	397.0	398.8	399.7	400.6	401.5	401.5	402.4	402.4
7.5°	381.7	384.4	386.2	388.0	388.9	390.7	392.5	393.4	394.3	394.3	395.2
10°	369.2	371.8	373.6	375.4	377.2	379.0	380.8	381.7	382.6	382.6	383.5
12.5°	369.2	372.7	375.4	377.2	378.1	379.9	381.7	382.6	382.6	383.5	383.5
15°	382.6	385.3	388.0	389.8	390.7	392.5	393.4	393.4	394.3	394.3	394.3
17.5°	399.7	401.5	403.3	403.3	403.3	403.3	403.3	402.4	402.4	401.5	400.6
20°	416.8	415.0	414.1	412.3	410.5	408.7	406.9	405.1	404.2	402.4	400.6
22.5°	431.1	427.5	423.9	421.3	418.6	415.0	412.3	410.5	407.8	406.0	403.3
25°	446.4	441.9	436.5	432.9	430.2	426.6	423.0	420.4	418.6	415.9	413.2
27.5°	467.1	461.7	455.4	450.9	446.4	441.0	436.5	433.8	431.1	427.5	424.8
30°	489.5	481.4	473.3	466.2	459.0	450.9	443.7	439.2	434.7	430.2	425.7
32.5°	506.6	495.8	485.0	476.0	467.1	457.2	448.2	442.8	438.3	432.9	427.5
35°	521.8	509.3	497.6	487.7	477.8	468.0	458.1	452.7	447.3	441.0	435.6
37.5°	537.1	524.5	512.9	502.1	491.3	479.6	468.9	462.6	456.3	449.1	442.8
40°	554.2	541.6	529.0	516.5	503.9	491.3	478.7	471.5	463.5	456.3	448.2
42.5°	567.7	553.3	539.8	526.3	512.9	499.4	485.9	477.8	470.7	462.6	454.5
45°	582.0	567.7	552.4	538.0	524.5	510.2	495.8	487.7	479.6	470.7	462.6
47.5°	594.6	578.4	563.2	548.8	534.4	519.2	504.8	495.8	486.8	476.9	468.0
50°	601.8	586.5	570.3	555.1	539.8	523.6	508.4	499.4	489.5	480.5	470.7
52.5°	609.0	591.9	575.7	559.6	543.4	527.2	511.1	501.2	490.4	480.5	469.8
55°	606.3	589.2	571.2	555.1	538.0	521.8	504.8	494.0	483.2	472.4	461.7
57.5°	589.2	571.2	552.4	537.1	521.8	505.7	490.4	481.4	471.5	462.6	452.7
60°	563.2	543.4	523.6	511.1	499.4	486.8	474.2	465.3	457.2	448.2	439.2
62.5°	534.4	514.7	494.9	484.1	474.2	463.5	452.7	442.8	433.8	423.9	414.1
65°	499.4	482.3	464.4	452.7	441.0	428.4	416.8	407.8	398.8	389.8	380.8
67.5°	458.1	441.0	423.9	412.3	400.6	388.0	376.3	369.2	362.0	353.9	346.7
70°	413.2	394.3	375.4	365.6	356.6	346.7	336.8	330.5	325.1	318.9	312.6
72.5°	362.9	343.1	324.2	317.1	309.0	301.8	293.7	288.3	282.0	276.6	270.4
75°	305.4	287.4	269.5	264.1	258.7	252.4	247.0	241.6	236.2	229.9	224.5
77.5°	244.3	229.0	213.8	209.3	205.7	201.2	196.7	191.3	185.9	179.6	174.2
80°	183.2	169.8	156.3	153.6	150.0	147.3	143.7	139.2	135.6	131.1	126.6
82.5°	123.9	114.1	104.2	102.4	100.6	97.9	96.1	91.6	88.0	83.5	79.0
85°	70.1	64.7	60.2	58.4	57.5	55.7	53.9	50.3	47.6	44.0	40.4
87.5°	29.6	28.7	28.7	28.7	28.7	27.8	27.8	24.3	21.6	18.0	14.4
90°	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
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
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

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	394.3	394.3
2.5°	398.8	398.8
5°	402.4	402.4
7.5°	395.2	395.2
10°	384.4	385.3
12.5°	384.4	384.4
15°	394.3	394.3
17.5°	400.6	400.6
20°	400.6	400.6
22.5°	403.3	402.4
25°	413.2	413.2
27.5°	423.9	423.0
30°	424.8	423.9
32.5°	426.6	424.8
35°	433.8	431.1
37.5°	440.1	437.4
40°	445.5	441.9
42.5°	450.9	447.3
45°	459.0	455.4
47.5°	465.3	461.7
50°	467.1	462.6
52.5°	465.3	460.8
55°	458.1	453.6
57.5°	448.2	443.7
60°	434.7	430.2
62.5°	408.7	402.4
65°	374.5	368.3
67.5°	341.3	335.9
70°	307.2	300.9
72.5°	265.0	258.7
75°	219.2	212.9
77.5°	168.9	163.5
80°	122.2	117.7
82.5°	73.7	68.3
85°	35.9	30.5
87.5°	10.8	6.3
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0

REPORT NUMBER: P1445196

CATALOG NUMBER: TPTN-VA3-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-1

Test Date: 11/15/2024

Luminaire Tested: TTN-D0-735-U-WQ

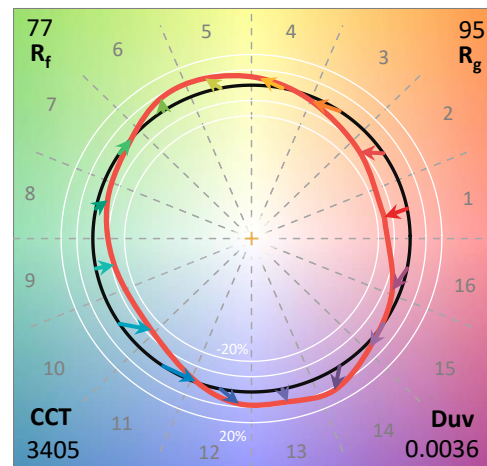
Data in this report applies to families of products including TTN-D0-735-U-WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2411-284-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 11/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **TTN-D0-735-U-WQ**
 Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE. 3500K, 70 CRI LEDS AND WIDE DISTRIBUTION

Spectral Parameters

CCT (K):	3405	CRI (Ra):	73.9		
CIE u':	0.2365	R1:	71.3	R9:	-18.0
CIE v':	0.5180	R2:	80.3	R10:	53.1
Duv:	0.0036	R3:	87.8	R11:	68.6
CIE x:	0.4148	R4:	73.2	R12:	42.6
CIE y:	0.4038	R5:	69.8	R13:	72.5
CIE z:	0.1814	R6:	71.8	R14:	92.7
Peak Wavelength (nm):	596	R7:	82.8	R15:	64.3
Dominant Wavelength (nm):	579	R8:	54.1		
Purity:	45.70672				
Rf:	76.6				
Rg:	95.4				



Test Conditions

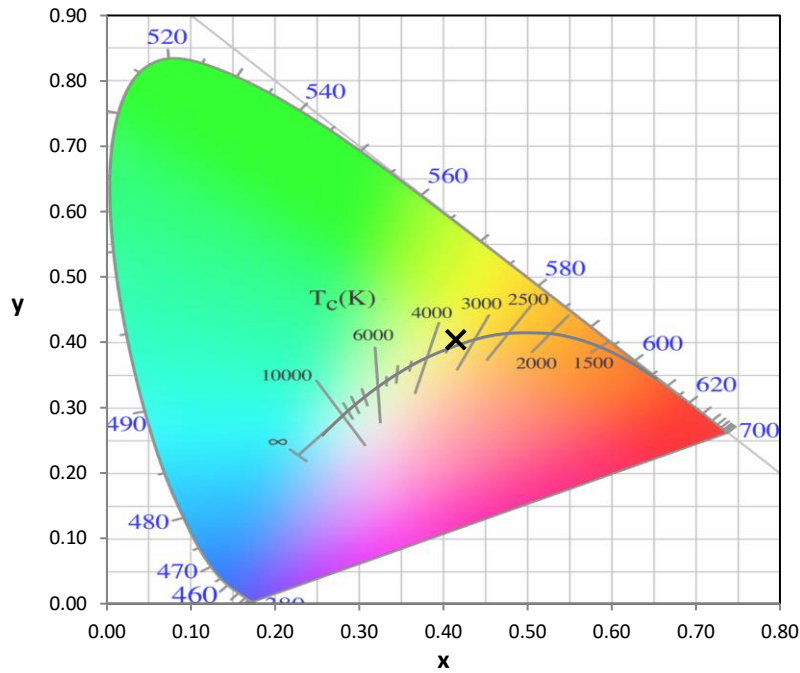
Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2411-284-1

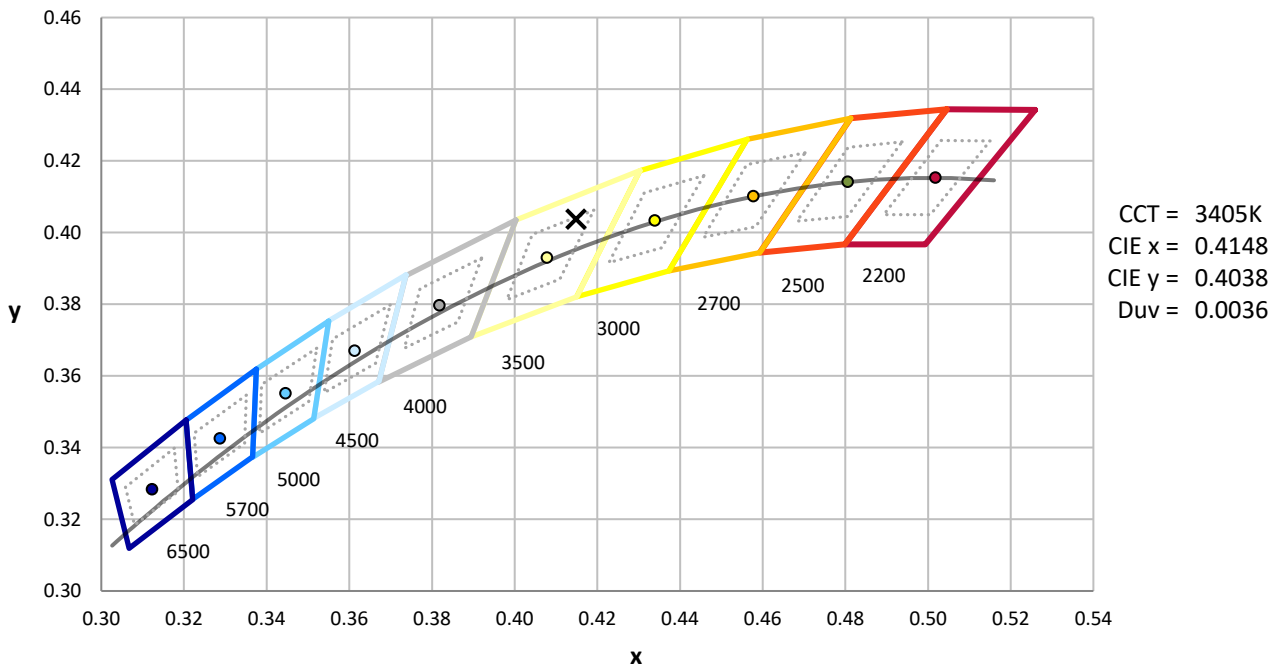
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2411-284-1

CIE 1931 Chromaticity Diagram



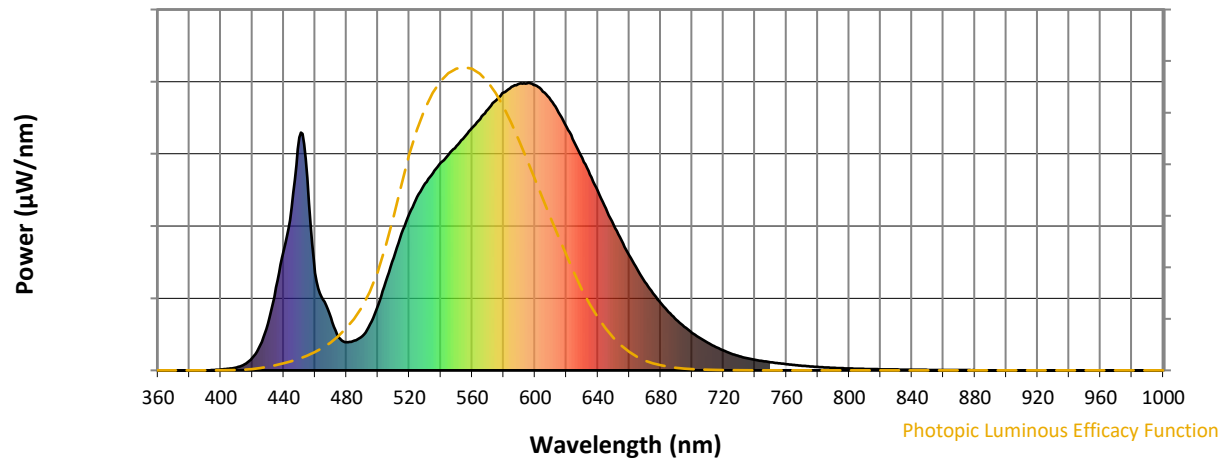
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-1

Photopic Flux vs. Wavelength

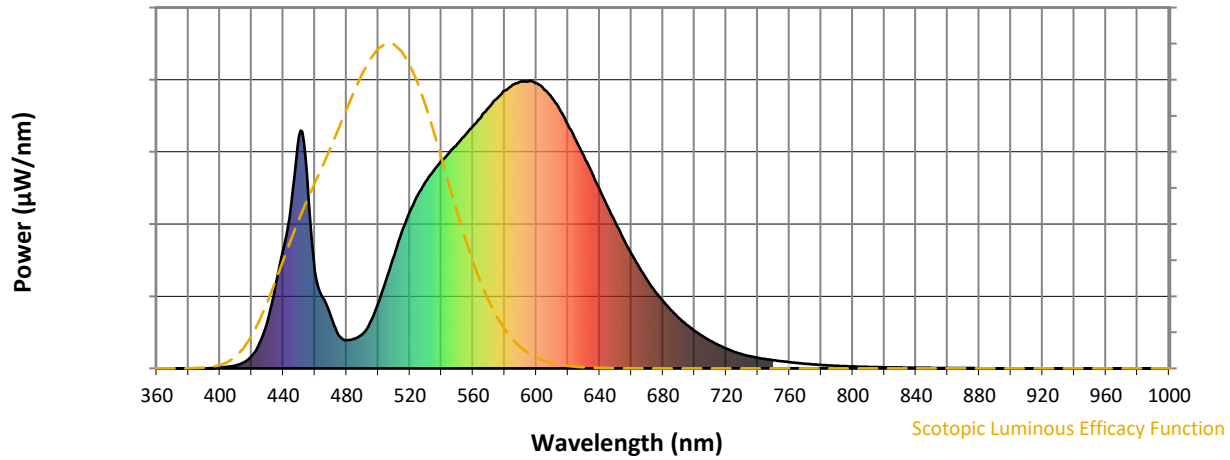


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	739	NR	760	22	NR	890	0	NR
375	0	NR	505	308	NR	635	681	NR	765	19	NR	895	0	NR
380	0	NR	510	392	NR	640	623	NR	770	16	NR	900	0	NR
385	0	NR	515	474	NR	645	563	NR	775	14	NR	905	0	NR
390	0	NR	520	545	NR	650	506	NR	780	12	NR	910	0	NR
395	1	NR	525	603	NR	655	451	NR	785	10	NR	915	0	NR
400	3	NR	530	649	NR	660	399	NR	790	9	NR	920	0	NR
405	5	NR	535	687	NR	665	352	NR	795	8	NR	925	0	NR
410	11	NR	540	721	NR	670	307	NR	800	6	NR	930	0	NR
415	21	NR	545	751	NR	675	268	NR	805	6	NR	935	0	NR
420	43	NR	550	779	NR	680	234	NR	810	5	NR	940	0	NR
425	88	NR	555	811	NR	685	203	NR	815	4	NR	945	0	NR
430	163	NR	560	843	NR	690	176	NR	820	4	NR	950	0	NR
435	288	NR	565	873	NR	695	152	NR	825	3	NR	955	0	NR
440	416	NR	570	907	NR	700	131	NR	830	3	NR	960	0	NR
445	566	NR	575	938	NR	705	112	NR	835	3	NR	965	0	NR
450	810	NR	580	965	NR	710	96	NR	840	2	NR	970	0	NR
455	669	NR	585	986	NR	715	81	NR	845	2	NR	975	0	NR
460	338	NR	590	997	NR	720	69	NR	850	2	NR	980	0	NR
465	246	NR	595	997	NR	725	58	NR	855	1	NR	985	0	NR
470	182	NR	600	991	NR	730	49	NR	860	1	NR	990	0	NR
475	115	NR	605	968	NR	735	42	NR	865	1	NR	995	0	NR
480	97	NR	610	939	NR	740	37	NR	870	1	NR	1000	0	NR
485	103	NR	615	896	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2411-284-1

Scotopic Flux vs. Wavelength

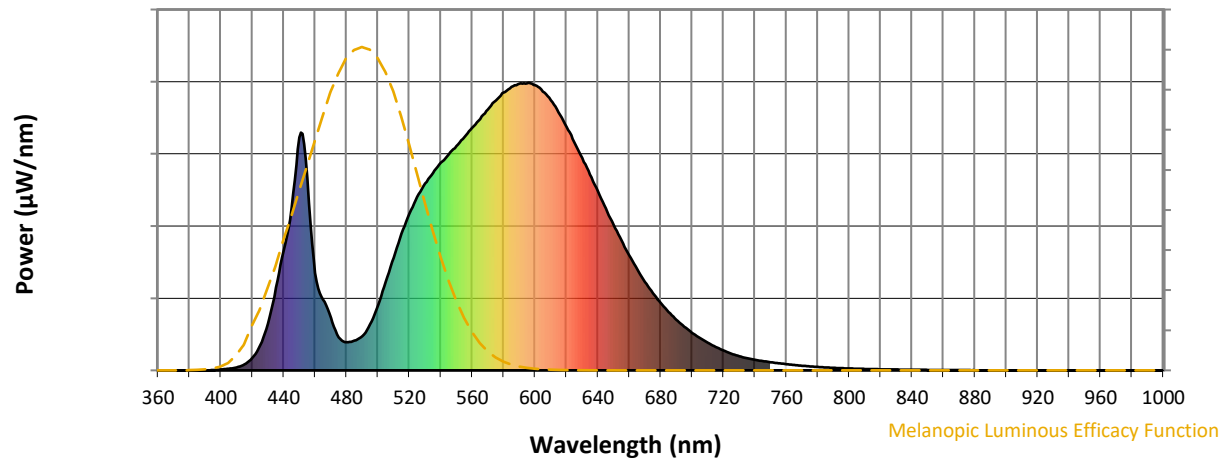


Scotopic Lumens: NR

S/P: 1.33

λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)
360	0	NR	490	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	739	NR	760	22	NR	890	0	NR
375	0	NR	505	308	NR	635	681	NR	765	19	NR	895	0	NR
380	0	NR	510	392	NR	640	623	NR	770	16	NR	900	0	NR
385	0	NR	515	474	NR	645	563	NR	775	14	NR	905	0	NR
390	0	NR	520	545	NR	650	506	NR	780	12	NR	910	0	NR
395	1	NR	525	603	NR	655	451	NR	785	10	NR	915	0	NR
400	3	NR	530	649	NR	660	399	NR	790	9	NR	920	0	NR
405	5	NR	535	687	NR	665	352	NR	795	8	NR	925	0	NR
410	11	NR	540	721	NR	670	307	NR	800	6	NR	930	0	NR
415	21	NR	545	751	NR	675	268	NR	805	6	NR	935	0	NR
420	43	NR	550	779	NR	680	234	NR	810	5	NR	940	0	NR
425	88	NR	555	811	NR	685	203	NR	815	4	NR	945	0	NR
430	163	NR	560	843	NR	690	176	NR	820	4	NR	950	0	NR
435	288	NR	565	873	NR	695	152	NR	825	3	NR	955	0	NR
440	416	NR	570	907	NR	700	131	NR	830	3	NR	960	0	NR
445	566	NR	575	938	NR	705	112	NR	835	3	NR	965	0	NR
450	810	NR	580	965	NR	710	96	NR	840	2	NR	970	0	NR
455	669	NR	585	986	NR	715	81	NR	845	2	NR	975	0	NR
460	338	NR	590	997	NR	720	69	NR	850	2	NR	980	0	NR
465	246	NR	595	997	NR	725	58	NR	855	1	NR	985	0	NR
470	182	NR	600	991	NR	730	49	NR	860	1	NR	990	0	NR
475	115	NR	605	968	NR	735	42	NR	865	1	NR	995	0	NR
480	97	NR	610	939	NR	740	37	NR	870	1	NR	1000	0	NR
485	103	NR	615	896	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2411-284-1

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 2.47

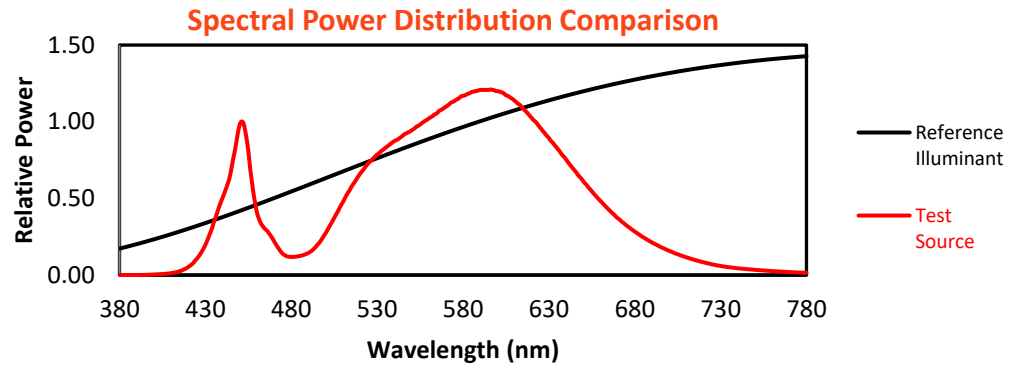
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	739	NR	760	22	NR	890	0	NR
375	0	NR	505	308	NR	635	681	NR	765	19	NR	895	0	NR
380	0	NR	510	392	NR	640	623	NR	770	16	NR	900	0	NR
385	0	NR	515	474	NR	645	563	NR	775	14	NR	905	0	NR
390	0	NR	520	545	NR	650	506	NR	780	12	NR	910	0	NR
395	1	NR	525	603	NR	655	451	NR	785	10	NR	915	0	NR
400	3	NR	530	649	NR	660	399	NR	790	9	NR	920	0	NR
405	5	NR	535	687	NR	665	352	NR	795	8	NR	925	0	NR
410	11	NR	540	721	NR	670	307	NR	800	6	NR	930	0	NR
415	21	NR	545	751	NR	675	268	NR	805	6	NR	935	0	NR
420	43	NR	550	779	NR	680	234	NR	810	5	NR	940	0	NR
425	88	NR	555	811	NR	685	203	NR	815	4	NR	945	0	NR
430	163	NR	560	843	NR	690	176	NR	820	4	NR	950	0	NR
435	288	NR	565	873	NR	695	152	NR	825	3	NR	955	0	NR
440	416	NR	570	907	NR	700	131	NR	830	3	NR	960	0	NR
445	566	NR	575	938	NR	705	112	NR	835	3	NR	965	0	NR
450	810	NR	580	965	NR	710	96	NR	840	2	NR	970	0	NR
455	669	NR	585	986	NR	715	81	NR	845	2	NR	975	0	NR
460	338	NR	590	997	NR	720	69	NR	850	2	NR	980	0	NR
465	246	NR	595	997	NR	725	58	NR	855	1	NR	985	0	NR
470	182	NR	600	991	NR	730	49	NR	860	1	NR	990	0	NR
475	115	NR	605	968	NR	735	42	NR	865	1	NR	995	0	NR
480	97	NR	610	939	NR	740	37	NR	870	1	NR	1000	0	NR
485	103	NR	615	896	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP1-2411-284-1

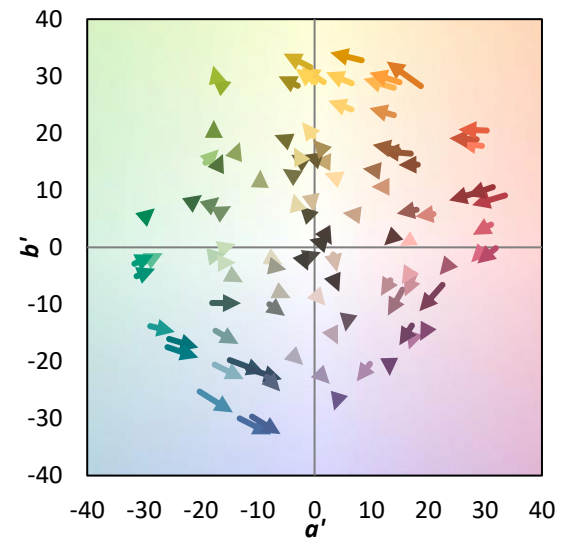
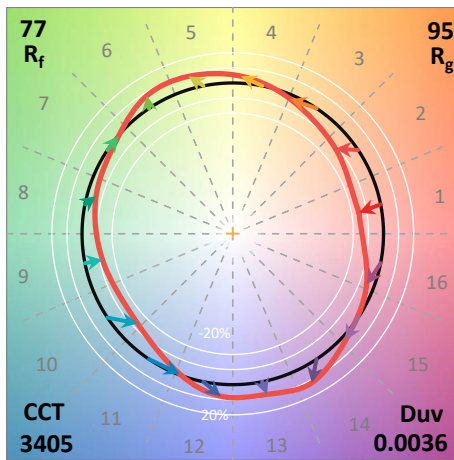
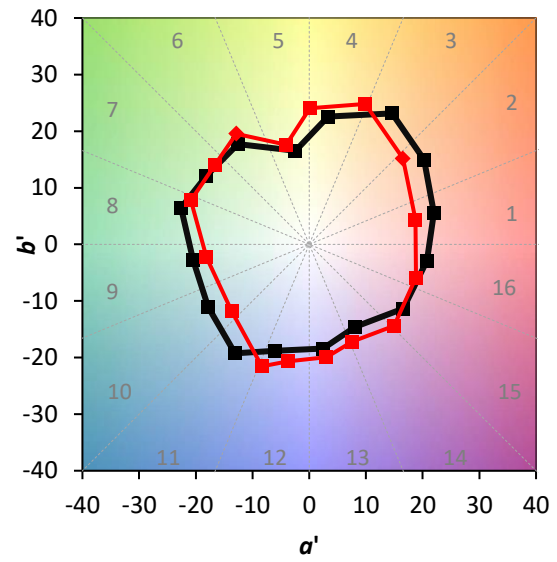
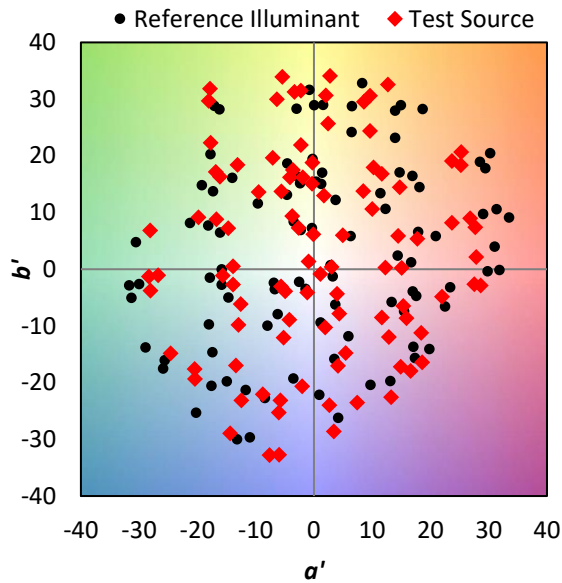
TM-30-18

Summary

$R_f = 76.6$
 $R_g = 95.4$
 $CIE R_a = 73.9$
 $R_g = -18.0$

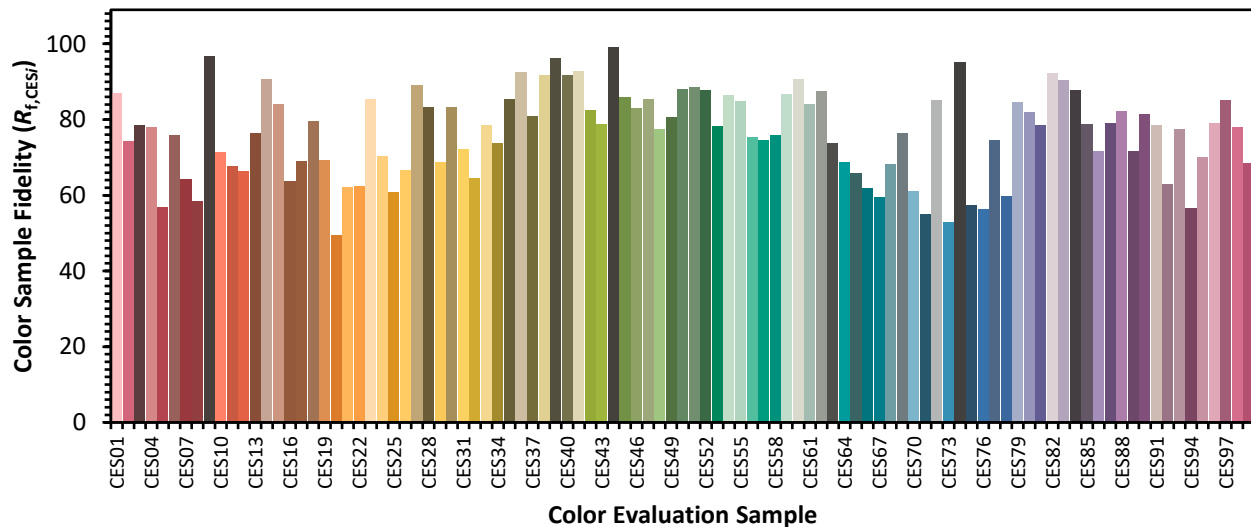


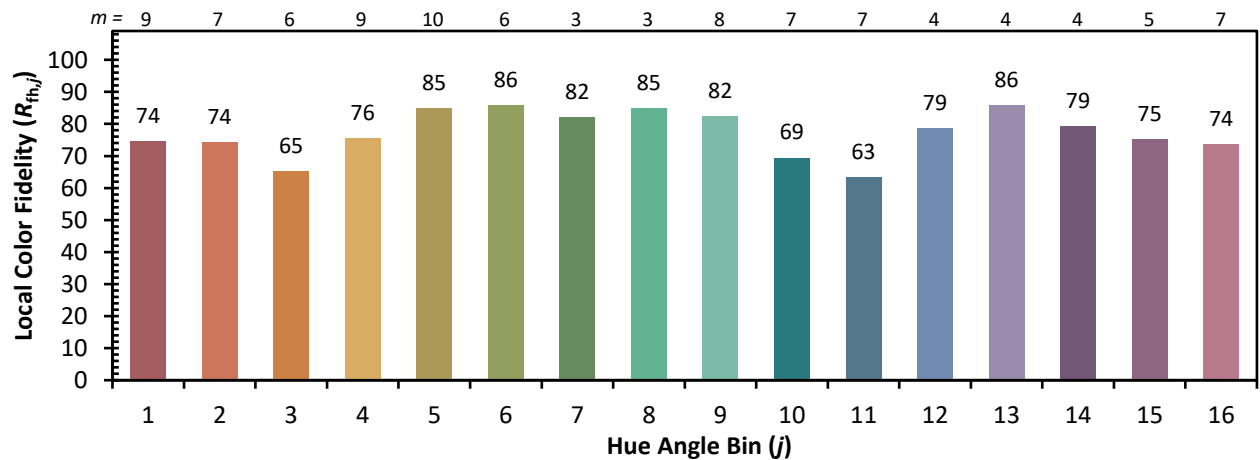
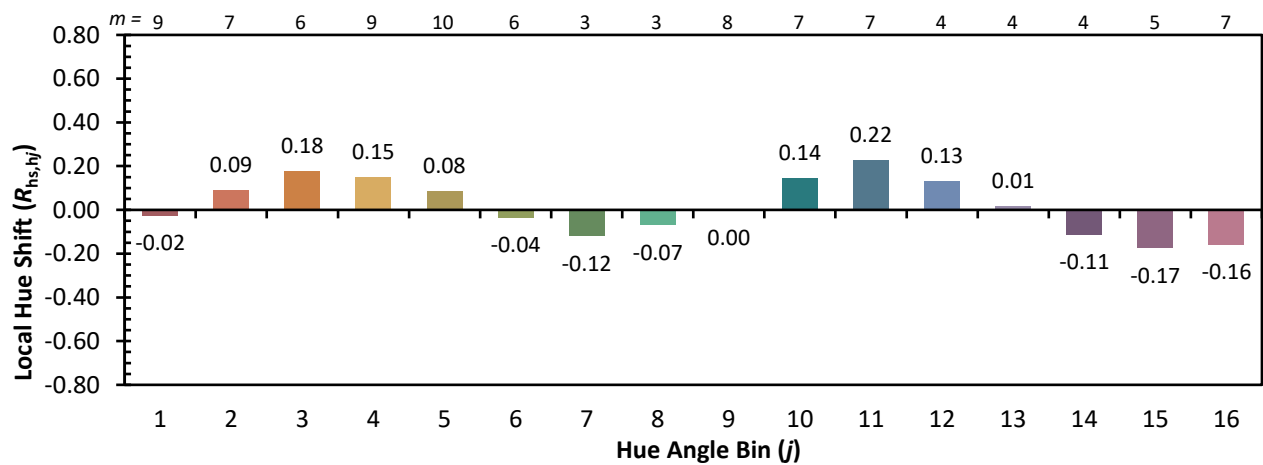
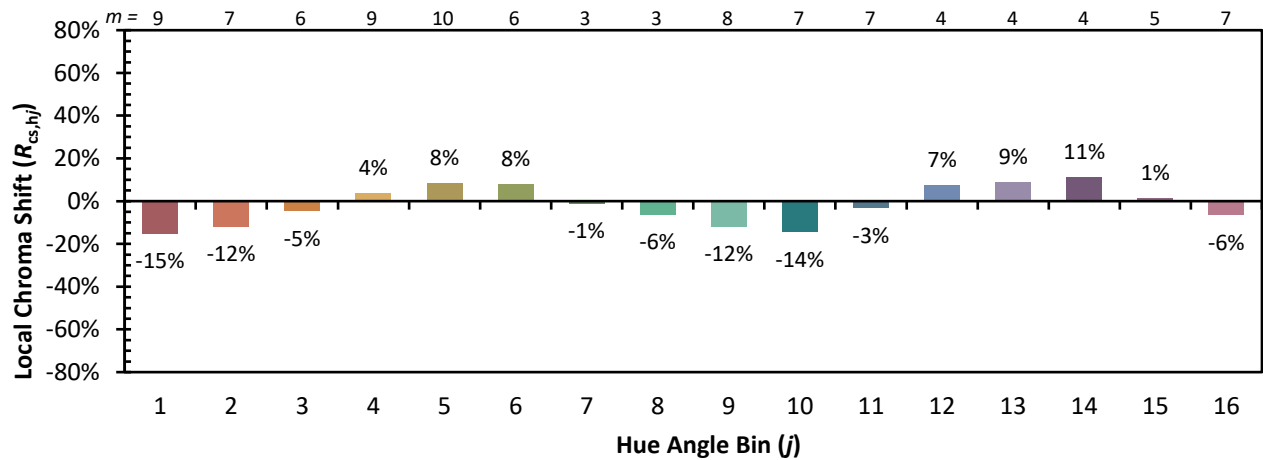
Color Vector Graphics



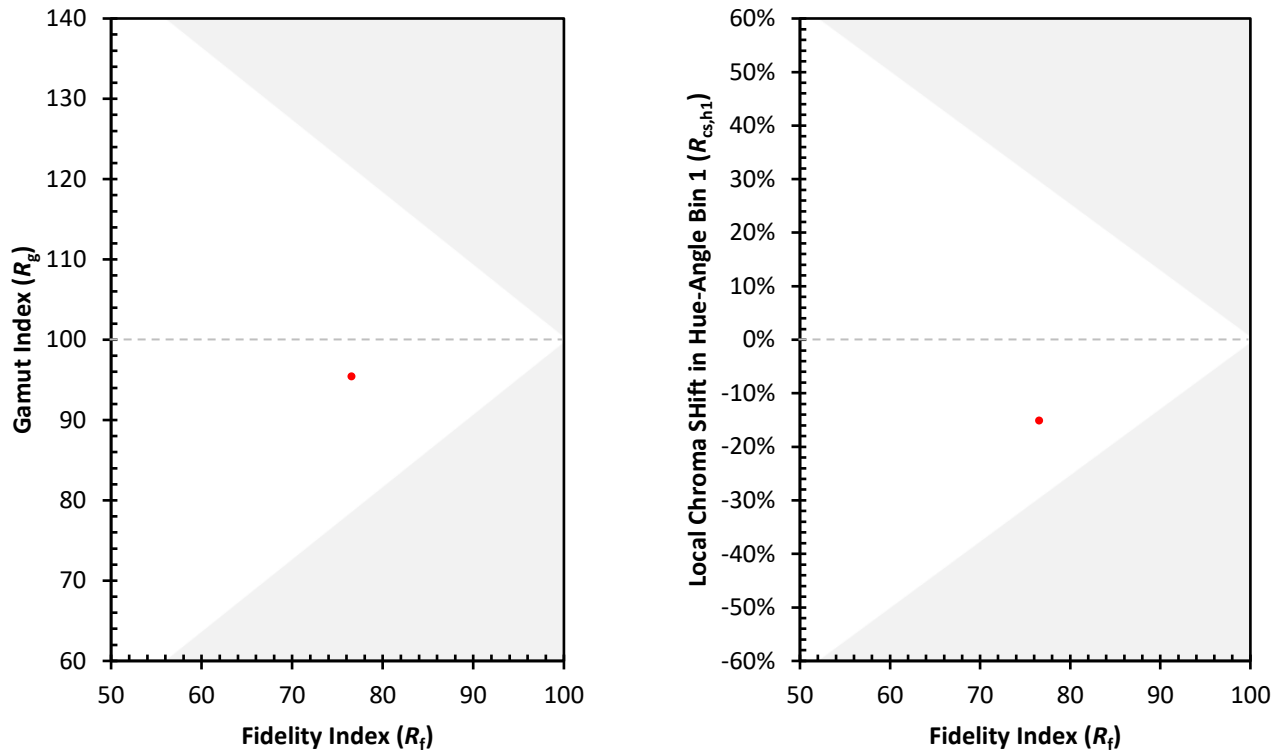
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 67	CES51 = 88	CES76 = 56
CES02 = 62	CES27 = 89	CES52 = 88	CES77 = 75
CES03 = 31	CES28 = 83	CES53 = 78	CES78 = 60
CES04 = 70	CES29 = 69	CES54 = 86	CES79 = 85
CES05 = 48	CES30 = 83	CES55 = 85	CES80 = 82
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 78
CES07 = 41	CES32 = 65	CES57 = 75	CES82 = 92
CES08 = 40	CES33 = 78	CES58 = 76	CES83 = 90
CES09 = 29	CES34 = 74	CES59 = 87	CES84 = 88
CES10 = 75	CES35 = 86	CES60 = 91	CES85 = 79
CES11 = 58	CES36 = 93	CES61 = 84	CES86 = 72
CES12 = 64	CES37 = 81	CES62 = 88	CES87 = 79
CES13 = 43	CES38 = 92	CES63 = 74	CES88 = 82
CES14 = 74	CES39 = 96	CES64 = 69	CES89 = 72
CES15 = 71	CES40 = 92	CES65 = 66	CES90 = 82
CES16 = 47	CES41 = 93	CES66 = 62	CES91 = 79
CES17 = 50	CES42 = 83	CES67 = 60	CES92 = 63
CES18 = 56	CES43 = 79	CES68 = 68	CES93 = 77
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 56
CES20 = 65	CES45 = 86	CES70 = 61	CES95 = 70
CES21 = 86	CES46 = 83	CES71 = 55	CES96 = 79
CES22 = 79	CES47 = 85	CES72 = 85	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 53	CES98 = 78
CES24 = 91	CES49 = 81	CES74 = 95	CES99 = 68
CES25 = 72	CES50 = 88	CES75 = 57	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)