

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: P1445223

Luminaire Tested: TPTN-VA2-830-U-RW-CG-GM

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445223
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: TPTN-VA2-830-U-RW-CG-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 42W 80CRI 3000K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC AND GLASS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3573 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

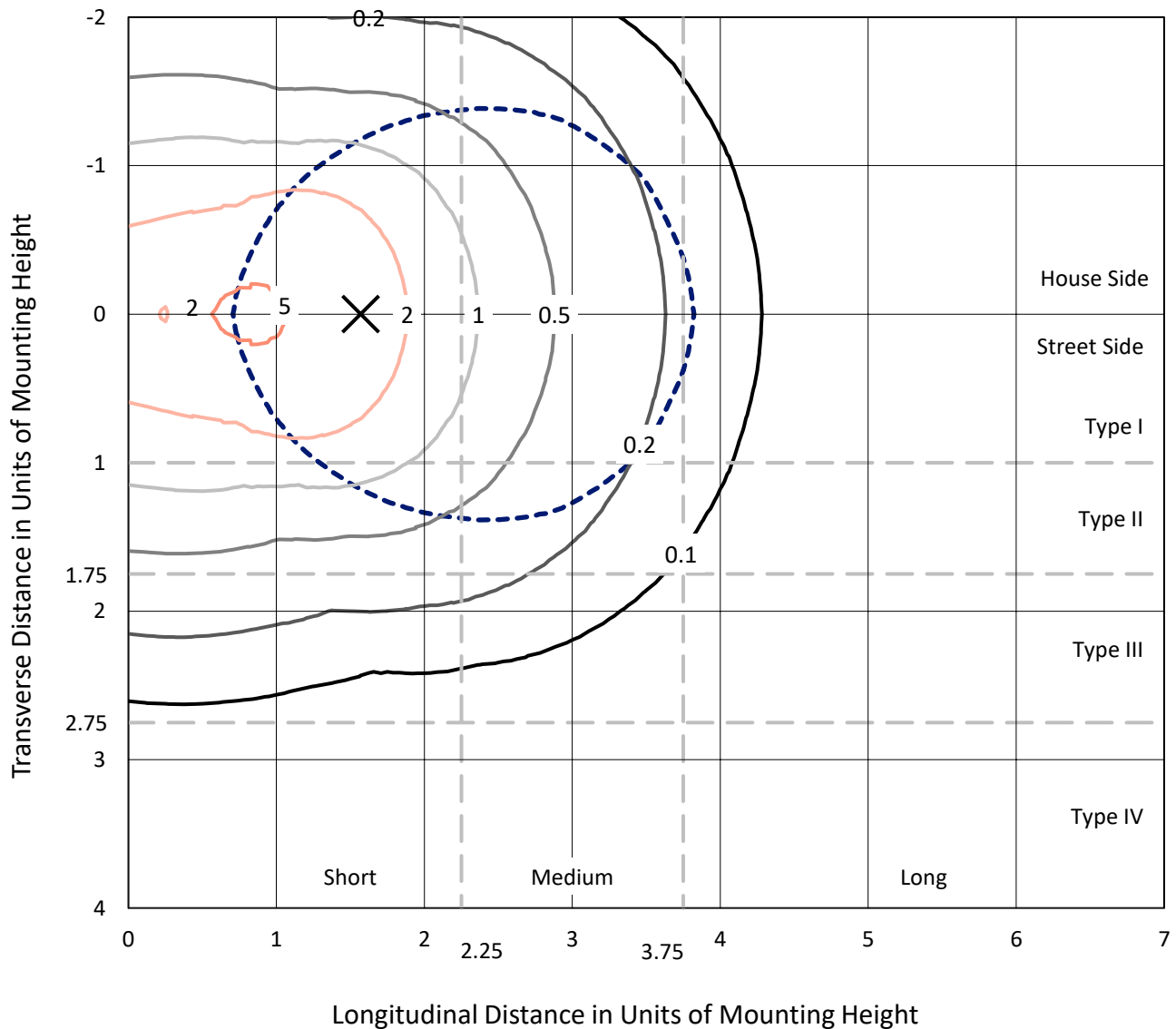
Input Watts (W): 42.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 7.5%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

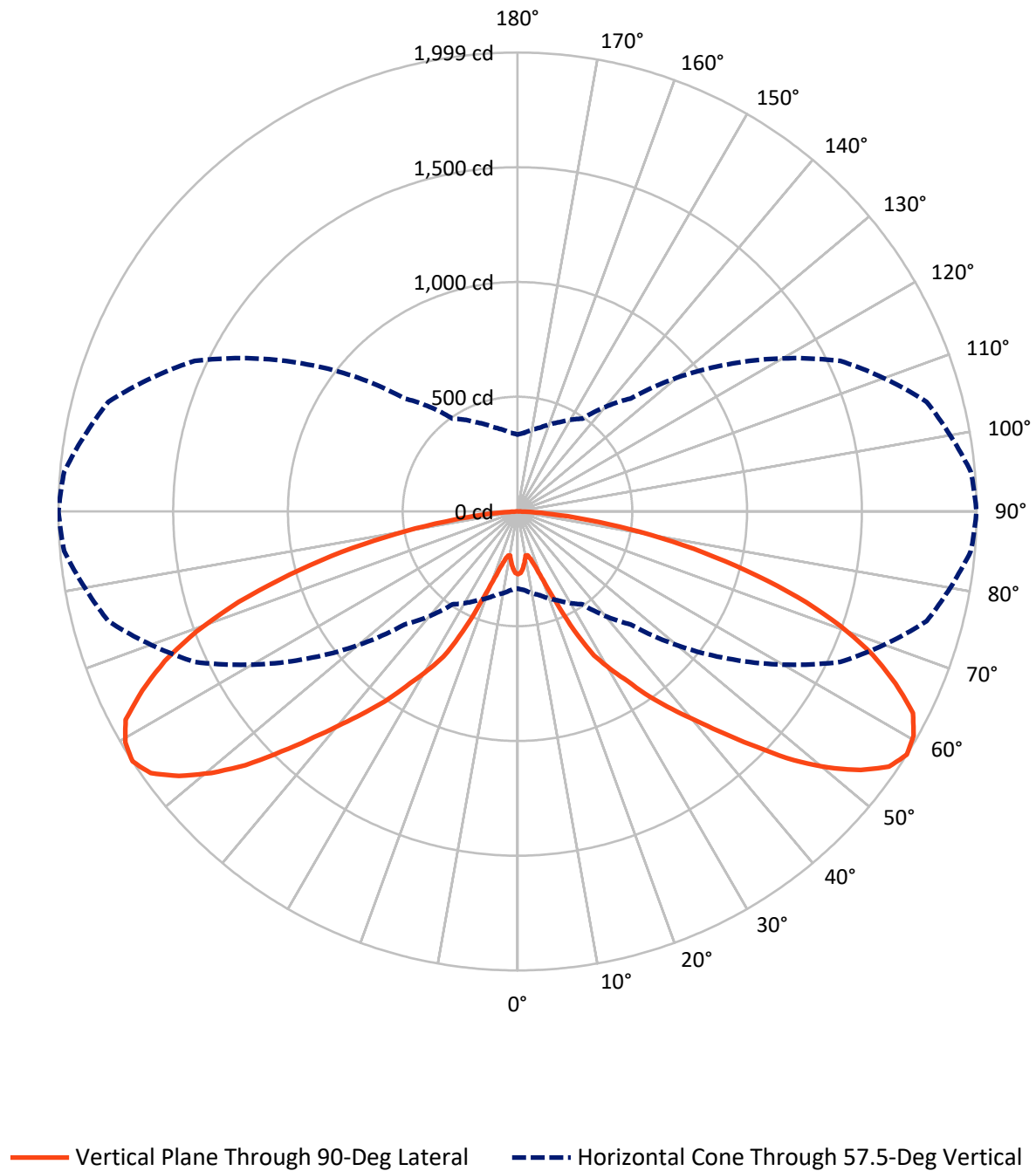


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
Type II - Short - N/A

REPORT NUMBER: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

Luminous Intensity Polar Plot



REPORT NUMBER: P1445223

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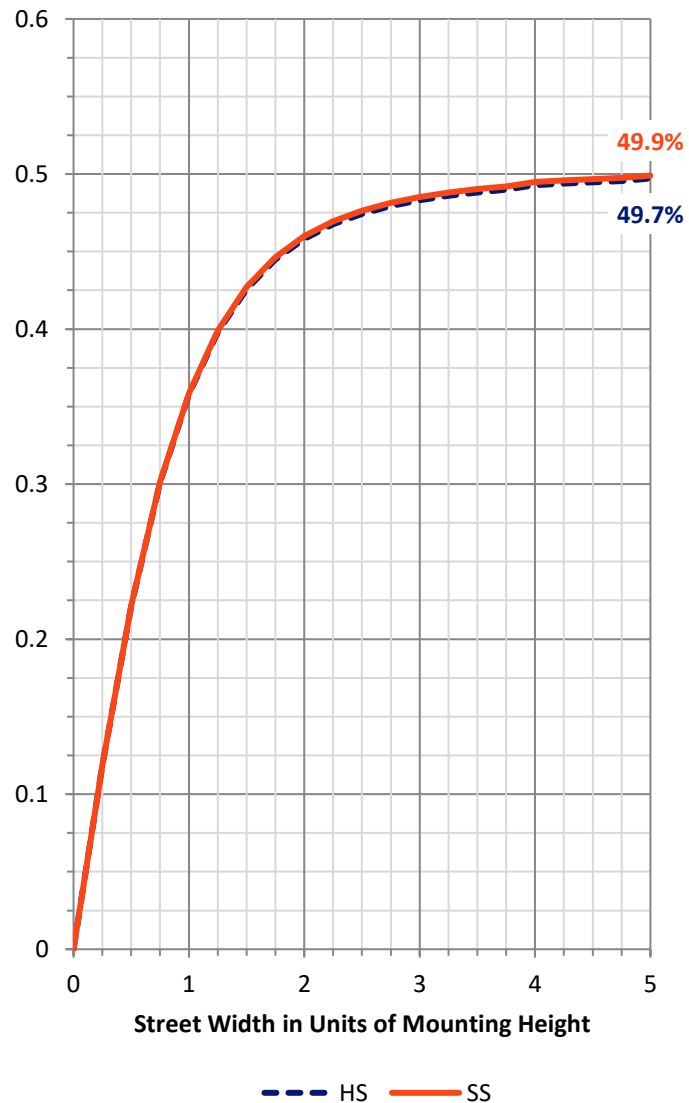
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1786.5	0.0	1786.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1786.5	0.0	1786.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3573.0	0.0	3573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	0.7
10°-20°	74.2	2.1
20°-30°	181.1	5.1
30°-40°	357.6	10.0
40°-50°	606.4	17.0
50°-60°	860.3	24.1
60°-70°	855.4	23.9
70°-80°	513.3	14.4
80°-90°	100.4	2.8
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°	3573.0	100.0
0°-180°	3573.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1445223

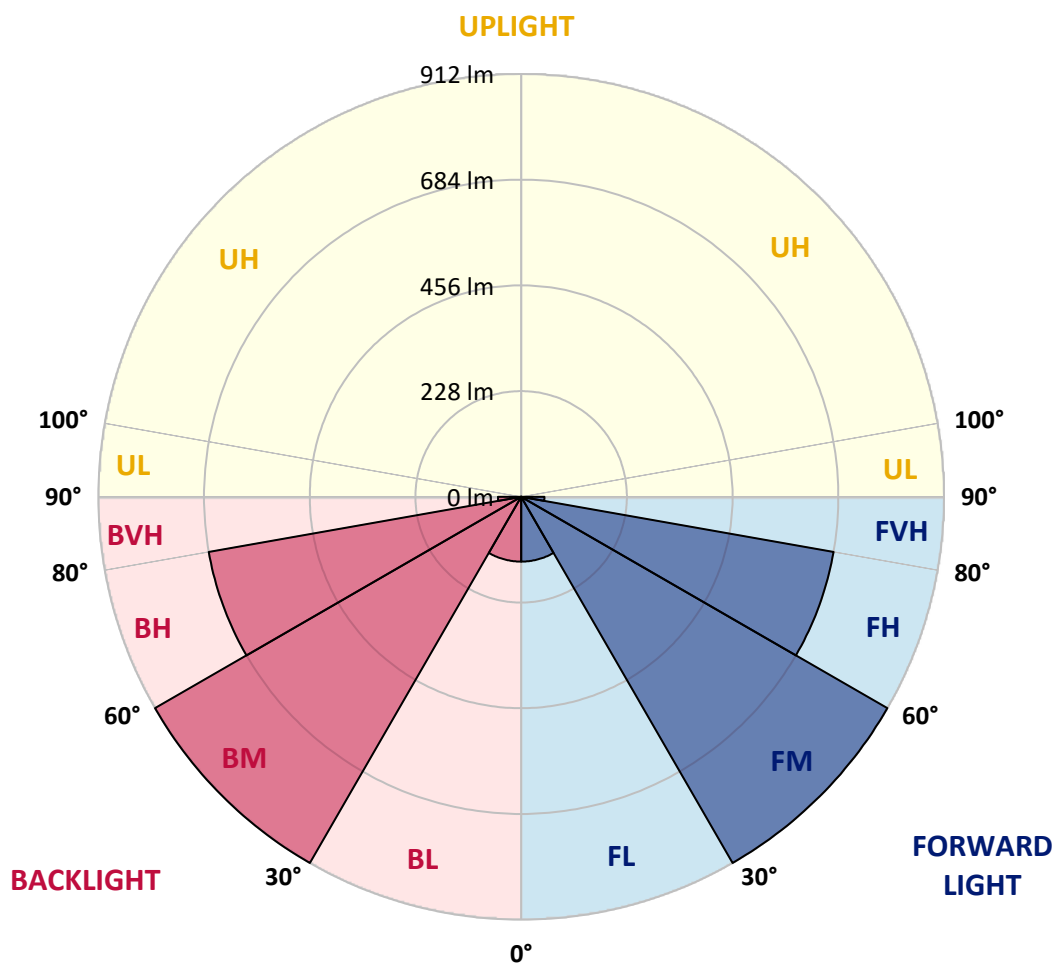
CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.8	3.9			
FM	(30°-60°)	912.2	25.5			
FH	(60°-80°)	684.4	19.2			G1/1800
FVH	(80°-90°)	50.2	1.4			G1/100
BL	(0°-30°)	139.8	3.9	B1/500		
BM	(30°-60°)	912.1	25.5	B1/1000		
BH	(60°-80°)	684.4	19.2	B2/1000		G2/1000
BVH	(80°-90°)	50.2	1.4			G1/100
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	274.5	274.5	274.5	274.5	274.5	273.8	273.8	273.8	273.8	273.8	273.8
5°	275.1	275.1	274.5	274.5	273.8	273.8	273.1	272.5	272.5	271.8	271.1
7.5°	271.8	271.8	271.8	271.8	271.1	271.1	270.5	269.8	269.1	268.5	267.8
10°	269.8	269.8	269.8	269.8	269.8	269.1	269.1	268.5	267.8	266.5	265.8
12.5°	270.5	271.1	271.1	271.8	271.8	272.5	272.5	271.8	271.8	271.1	270.5
15°	275.8	276.5	276.5	277.1	277.8	278.5	279.1	279.1	279.1	278.5	278.5
17.5°	281.1	282.5	283.2	284.5	285.2	286.5	287.2	287.2	287.2	286.5	286.5
20°	287.8	289.2	289.8	291.8	293.2	295.2	296.5	296.5	295.8	295.8	295.2
22.5°	293.8	295.2	296.5	298.5	301.2	303.2	305.2	305.2	305.9	305.9	305.9
25°	300.5	302.5	303.9	306.5	309.2	311.2	313.9	315.2	317.2	318.5	319.9
27.5°	307.2	309.2	311.2	313.9	316.5	319.2	321.9	325.2	327.9	331.2	333.9
30°	313.2	315.2	317.2	320.5	323.2	326.6	329.2	333.9	338.6	343.3	347.9
32.5°	318.5	321.2	323.9	327.2	330.6	333.9	337.2	343.3	349.9	355.9	362.0
35°	324.6	327.2	329.9	333.9	337.9	341.3	345.3	353.3	360.6	368.6	376.0
37.5°	329.9	333.2	335.9	340.6	345.3	349.3	353.9	362.6	372.0	380.7	389.3
40°	335.9	339.2	342.6	347.9	353.3	357.9	363.3	373.3	383.3	393.3	403.4
42.5°	341.3	344.6	347.9	353.9	360.6	366.6	372.6	383.3	394.0	404.0	414.7
45°	347.3	350.6	353.9	360.6	367.3	374.0	380.7	392.7	404.0	416.0	427.4
47.5°	352.6	355.9	359.3	366.6	374.0	381.3	388.7	401.4	414.0	426.1	438.8
50°	353.3	357.3	360.6	368.6	376.6	384.0	392.0	405.4	418.7	431.4	444.8
52.5°	353.3	357.3	360.6	368.6	377.3	385.3	393.3	407.4	420.7	434.7	448.1
55°	347.9	351.9	355.3	364.0	372.6	380.7	389.3	403.4	416.7	430.7	444.1
57.5°	335.2	339.9	343.9	352.6	361.3	369.3	378.0	390.7	403.4	416.0	428.7
60°	317.9	322.6	327.2	335.2	343.3	350.6	358.6	370.6	382.7	394.0	406.0
62.5°	297.2	301.8	305.9	313.2	320.5	327.9	335.2	345.3	355.9	366.0	376.0
65°	267.8	273.1	278.5	285.2	292.5	299.2	305.9	315.2	324.6	333.9	343.3
67.5°	236.4	241.7	246.4	252.4	258.4	263.8	269.8	278.5	287.2	295.8	304.5
70°	204.3	209.0	213.0	217.7	223.0	227.7	232.4	239.7	247.1	253.8	261.1
72.5°	164.9	169.6	174.3	179.0	183.6	188.3	193.0	199.0	204.3	210.4	215.7
75°	128.9	132.9	136.9	140.9	145.6	149.6	153.6	157.6	162.3	166.3	170.3
77.5°	91.5	96.2	100.2	103.5	107.5	110.9	114.2	116.9	119.5	122.2	124.9
80°	58.1	61.4	64.8	68.1	71.5	74.1	77.5	78.8	80.8	82.1	83.5
82.5°	29.4	32.7	36.1	38.7	42.1	44.7	47.4	48.1	49.4	50.1	50.8
85°	9.3	13.4	17.4	19.4	22.0	24.0	26.0	26.7	26.7	27.4	27.4
87.5°	1.3	4.7	8.0	10.0	12.7	14.7	16.7	16.7	16.7	16.7	16.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	273.8	273.1	273.1	272.5	272.5	271.8	271.8	271.1	271.1	271.1	270.5
5°	270.5	269.8	268.5	267.8	267.1	266.5	265.1	264.5	263.1	261.8	260.4
7.5°	266.5	265.1	263.8	262.4	260.4	257.8	255.8	253.1	250.4	248.4	245.8
10°	263.8	262.4	260.4	258.4	255.1	251.8	248.4	245.1	241.1	237.7	233.7
12.5°	268.5	266.5	263.8	261.8	258.4	254.4	251.1	247.1	243.1	239.1	235.1
15°	276.5	273.8	271.8	269.1	265.8	262.4	259.1	255.8	253.1	250.4	247.1
17.5°	284.5	283.2	281.1	279.1	277.1	275.8	273.8	271.8	270.5	268.5	267.1
20°	295.2	294.5	294.5	293.8	293.8	293.8	293.8	293.8	293.2	293.2	292.5
22.5°	307.9	309.2	311.2	312.5	314.5	316.5	317.9	319.9	321.9	323.9	325.2
25°	323.9	327.2	331.2	334.6	337.2	340.6	343.3	345.9	351.3	357.3	362.6
27.5°	339.2	345.3	350.6	355.9	359.9	364.0	368.0	372.0	382.0	392.0	402.0
30°	354.6	362.0	368.6	375.3	380.7	386.0	391.3	396.7	412.7	428.1	444.1
32.5°	370.0	377.3	385.3	392.7	400.7	409.4	417.4	425.4	446.8	468.1	488.8
35°	384.7	392.7	401.4	409.4	420.7	432.7	444.1	455.4	481.5	507.5	533.6
37.5°	398.7	408.7	418.0	427.4	442.1	456.8	470.8	485.5	516.9	548.3	579.0
40°	414.0	424.7	434.7	445.4	462.8	479.5	496.8	513.5	553.6	593.7	633.1
42.5°	426.7	438.8	450.8	462.8	483.5	503.5	524.2	544.3	594.3	645.1	695.2
45°	440.8	454.1	467.5	480.8	505.5	530.2	554.3	579.0	640.4	701.2	762.6
47.5°	453.4	467.5	482.2	496.2	526.9	557.0	587.7	617.7	689.8	762.6	834.8
50°	459.5	474.8	489.5	504.2	540.3	575.7	611.7	647.1	730.6	814.1	897.5
52.5°	464.1	479.5	495.5	510.9	551.6	592.3	633.1	673.8	765.3	856.1	947.6
55°	460.8	476.8	493.5	509.5	555.6	601.7	647.8	693.9	793.4	892.2	991.7
57.5°	444.8	461.5	477.5	493.5	544.3	595.0	645.1	695.9	801.4	906.2	1011.7
60°	422.1	438.8	454.8	470.8	524.2	578.3	631.7	685.2	790.7	896.9	1002.4
62.5°	393.3	410.7	427.4	444.8	501.5	557.6	614.4	670.5	774.0	877.5	981.0
65°	359.3	374.6	390.7	406.0	462.8	520.2	577.0	633.8	733.9	833.4	933.6
67.5°	319.2	333.9	347.9	362.6	417.4	472.1	526.9	581.7	673.8	765.3	857.5
70°	275.1	289.8	303.9	317.9	368.6	419.4	470.1	520.9	601.0	681.2	761.3
72.5°	229.1	242.4	255.1	268.5	314.5	359.9	406.0	451.4	519.6	587.7	655.8
75°	181.6	192.3	203.7	214.4	252.4	290.5	328.6	366.6	423.4	480.2	536.3
77.5°	133.6	142.2	150.9	159.6	189.0	217.7	247.1	275.8	319.9	364.0	408.0
80°	90.2	96.8	103.5	110.2	129.6	148.9	167.6	187.0	216.4	245.1	274.5
82.5°	54.8	58.8	62.8	66.8	78.8	90.2	102.2	113.5	130.9	148.9	166.3
85°	29.4	30.7	32.7	34.1	39.4	44.1	49.4	54.1	61.4	69.5	76.8
87.5°	16.7	16.7	16.7	16.7	16.7	17.4	17.4	17.4	18.7	19.4	20.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	270.5	270.5	269.8	269.8	269.1	269.1	269.1	268.5	268.5	268.5	268.5
5°	259.1	257.8	257.1	255.8	254.4	253.8	253.1	252.4	251.8	251.1	250.4
7.5°	243.1	241.1	238.4	236.4	233.7	231.7	230.4	228.4	226.4	225.1	224.4
10°	229.7	226.4	223.0	219.0	215.7	213.0	209.7	207.0	203.7	202.3	200.3
12.5°	231.1	227.7	224.4	220.4	217.0	214.4	211.7	208.4	205.7	203.7	201.7
15°	244.4	241.7	238.4	235.7	232.4	230.4	228.4	225.7	223.7	222.4	221.0
17.5°	265.1	263.8	261.8	260.4	258.4	257.8	256.4	255.8	254.4	254.4	254.4
20°	291.8	293.2	293.8	295.2	295.8	298.5	301.2	303.9	306.5	309.2	312.5
22.5°	327.2	332.6	338.6	343.9	349.3	357.9	366.6	374.6	383.3	392.0	400.7
25°	368.0	381.3	394.0	407.4	420.1	439.4	458.8	478.2	497.5	513.5	529.6
27.5°	412.0	433.4	455.4	476.8	498.2	526.9	556.3	585.0	613.7	634.4	654.5
30°	459.5	487.5	516.2	544.3	572.3	605.0	637.8	670.5	703.2	723.9	744.6
32.5°	510.2	543.6	577.0	610.4	643.8	679.8	716.6	752.6	788.7	810.7	833.4
35°	559.6	601.0	642.4	683.8	725.2	767.3	809.4	851.5	893.5	914.9	936.3
37.5°	610.4	662.5	713.9	766.0	817.4	863.5	909.6	955.6	1001.7	1021.7	1041.8
40°	673.2	733.3	794.0	854.1	914.2	963.0	1011.7	1059.8	1108.6	1129.3	1150.0
42.5°	745.3	814.7	883.5	953.0	1021.7	1075.2	1127.9	1181.4	1234.1	1254.1	1274.8
45°	823.4	904.2	984.3	1065.2	1145.3	1201.4	1256.8	1312.9	1368.3	1389.0	1409.1
47.5°	906.9	994.4	1081.8	1169.3	1256.8	1318.9	1381.0	1443.1	1505.2	1532.0	1558.0
50°	981.0	1077.8	1175.3	1272.2	1369.0	1435.8	1502.6	1568.7	1635.5	1662.2	1688.9
52.5°	1038.4	1147.3	1256.1	1365.0	1473.9	1540.6	1607.4	1674.2	1741.0	1770.4	1800.4
55°	1090.5	1199.4	1308.2	1417.1	1525.9	1598.1	1669.5	1741.6	1813.1	1845.8	1877.9
57.5°	1116.6	1225.4	1334.3	1442.5	1551.3	1624.8	1698.2	1771.7	1845.2	1879.2	1913.9
60°	1107.9	1218.8	1329.6	1440.5	1551.3	1620.1	1689.6	1758.3	1827.1	1861.9	1895.9
62.5°	1084.5	1188.0	1292.2	1395.7	1499.2	1569.4	1640.1	1710.3	1780.4	1813.8	1847.8
65°	1033.1	1130.6	1228.1	1324.9	1422.4	1489.9	1556.7	1624.1	1690.9	1716.3	1741.6
67.5°	949.0	1041.8	1133.9	1226.8	1318.9	1372.3	1425.1	1478.5	1531.3	1559.3	1587.4
70°	841.4	923.6	1006.4	1088.5	1170.7	1218.1	1266.2	1313.6	1361.0	1391.0	1421.1
72.5°	723.9	791.4	858.8	925.6	993.0	1038.4	1083.9	1129.3	1174.7	1196.7	1219.4
75°	593.0	646.4	699.9	752.6	806.0	841.4	876.8	911.6	947.0	964.3	981.0
77.5°	452.1	492.2	532.2	571.6	611.7	637.1	662.5	687.2	712.6	728.6	744.6
80°	303.2	331.9	360.6	388.7	417.4	438.1	458.1	478.8	498.9	507.5	515.5
82.5°	183.6	199.7	215.7	231.7	247.8	261.1	273.8	287.2	299.8	303.9	308.5
85°	84.1	91.5	98.8	105.5	112.9	119.5	126.2	132.2	138.9	140.9	143.6
87.5°	21.4	22.0	23.4	24.0	24.7	26.0	26.7	28.0	28.7	30.1	30.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	268.5	268.5	268.5	268.5
5°	249.8	249.1	249.1	248.4	249.1	249.1	249.8	250.4	251.1	251.8	252.4
7.5°	223.0	221.7	221.7	221.7	221.7	221.7	223.0	224.4	225.1	226.4	228.4
10°	199.0	197.0	196.3	195.0	196.3	197.0	199.0	200.3	202.3	203.7	207.0
12.5°	199.7	197.7	197.0	196.3	197.0	197.7	199.7	201.7	203.7	205.7	208.4
15°	219.0	217.7	217.0	215.7	217.0	217.7	219.0	221.0	222.4	223.7	225.7
17.5°	253.8	253.8	253.8	253.8	253.8	253.8	253.8	254.4	254.4	254.4	255.8
20°	315.2	317.9	318.5	319.2	318.5	317.9	315.2	312.5	309.2	306.5	303.9
22.5°	409.4	418.0	421.4	424.7	421.4	418.0	409.4	400.7	392.0	383.3	374.6
25°	544.9	561.0	567.6	574.3	567.6	561.0	544.9	529.6	513.5	497.5	478.2
27.5°	675.2	695.2	702.5	709.9	702.5	695.2	674.5	654.5	634.4	613.7	585.0
30°	764.6	785.3	790.7	795.4	790.7	785.3	764.6	743.9	723.9	703.2	670.5
32.5°	855.5	877.5	879.5	881.5	879.5	877.5	855.5	832.8	810.7	788.7	752.6
35°	957.0	978.3	984.3	990.4	984.3	978.3	957.0	935.6	914.9	893.5	851.5
37.5°	1061.8	1081.8	1086.5	1091.2	1086.5	1081.8	1061.8	1041.8	1021.7	1001.7	955.6
40°	1170.7	1191.4	1194.7	1197.4	1194.7	1191.4	1170.7	1150.0	1129.3	1108.6	1059.8
42.5°	1294.9	1314.9	1318.9	1322.9	1318.9	1314.9	1294.9	1274.2	1254.1	1234.1	1181.4
45°	1429.8	1449.8	1457.2	1464.5	1457.2	1449.8	1429.1	1409.1	1389.0	1368.3	1312.9
47.5°	1584.7	1610.8	1615.4	1620.1	1615.4	1610.8	1584.0	1558.0	1532.0	1505.2	1443.1
50°	1714.9	1741.6	1747.7	1753.7	1747.7	1741.6	1714.9	1688.2	1662.2	1635.5	1568.7
52.5°	1829.8	1859.2	1865.2	1871.2	1865.2	1859.2	1829.8	1799.7	1770.4	1741.0	1674.2
55°	1910.6	1942.7	1952.7	1962.7	1952.7	1942.7	1909.9	1877.9	1845.8	1813.1	1741.6
57.5°	1948.0	1982.1	1990.7	1999.4	1990.7	1982.1	1948.0	1913.3	1879.2	1845.2	1771.7
60°	1930.6	1964.7	1973.4	1982.1	1973.4	1964.7	1930.0	1895.9	1861.9	1827.1	1758.3
62.5°	1881.2	1914.6	1924.0	1932.6	1923.3	1914.6	1881.2	1847.2	1813.8	1780.4	1710.3
65°	1766.4	1791.7	1801.1	1809.8	1800.4	1791.7	1766.4	1741.0	1716.3	1690.9	1624.1
67.5°	1614.8	1642.8	1656.2	1668.9	1655.5	1642.8	1614.8	1586.7	1559.3	1531.3	1478.5
70°	1450.5	1480.5	1486.5	1491.9	1486.5	1480.5	1450.5	1420.4	1391.0	1361.0	1313.6
72.5°	1241.5	1263.5	1270.2	1276.2	1270.2	1263.5	1241.5	1218.8	1196.7	1174.7	1129.3
75°	998.4	1015.1	1022.4	1029.1	1022.4	1015.1	998.4	981.0	964.3	947.0	911.6
77.5°	760.0	776.0	780.7	785.3	780.7	776.0	760.0	744.6	728.6	712.6	687.2
80°	524.2	532.2	536.3	539.6	536.3	532.2	524.2	515.5	507.5	498.9	478.8
82.5°	312.5	316.5	317.9	318.5	317.9	316.5	312.5	308.5	303.9	299.8	287.2
85°	145.6	147.6	149.6	151.6	149.6	147.6	145.6	143.6	140.9	138.9	132.2
87.5°	32.1	32.7	32.7	32.7	32.7	32.7	32.1	30.7	30.1	28.7	28.0
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	269.1	269.1	269.1	269.8	269.8	270.5	270.5	270.5	271.1	271.1	271.1
5°	253.1	253.8	254.4	255.8	257.1	257.8	259.1	260.4	261.8	263.1	264.5
7.5°	230.4	231.7	233.7	236.4	238.4	241.1	243.1	245.8	248.4	250.4	253.1
10°	209.7	213.0	215.7	219.0	223.0	226.4	229.7	233.7	237.7	241.1	245.1
12.5°	211.7	214.4	217.0	220.4	224.4	227.7	231.1	235.1	239.1	243.1	247.1
15°	228.4	230.4	232.4	235.7	238.4	241.7	244.4	247.1	250.4	253.1	255.8
17.5°	256.4	257.8	258.4	260.4	261.8	263.8	265.1	267.1	268.5	270.5	271.8
20°	301.2	298.5	295.8	295.2	293.8	293.2	291.8	292.5	293.2	293.2	293.8
22.5°	366.6	357.9	349.3	343.9	337.9	332.6	327.2	325.2	323.9	321.9	319.9
25°	458.8	439.4	420.1	406.7	394.0	380.7	368.0	362.6	357.3	351.3	345.9
27.5°	556.3	526.9	498.2	476.8	454.8	433.4	412.0	402.0	392.0	382.0	372.0
30°	637.8	605.0	572.3	544.3	515.5	487.5	459.5	443.4	428.1	412.7	396.7
32.5°	716.6	679.8	643.8	610.4	577.0	543.6	510.2	488.8	468.1	446.8	425.4
35°	809.4	767.3	725.2	683.8	642.4	601.0	559.6	533.6	507.5	481.5	455.4
37.5°	909.6	863.5	817.4	765.3	713.9	661.8	610.4	579.0	548.3	516.9	485.5
40°	1011.7	963.0	914.2	854.1	793.4	733.3	673.2	633.1	593.7	553.6	513.5
42.5°	1127.9	1075.2	1021.7	952.3	883.5	814.1	745.3	695.2	645.1	594.3	544.3
45°	1256.8	1201.4	1145.3	1064.5	984.3	903.5	823.4	762.0	701.2	640.4	579.0
47.5°	1381.0	1318.9	1256.8	1169.3	1081.8	994.4	906.9	834.8	762.6	689.8	617.7
50°	1502.6	1435.8	1369.0	1272.2	1174.7	1077.8	981.0	897.5	814.1	730.6	647.1
52.5°	1607.4	1540.6	1473.9	1365.0	1256.1	1147.3	1038.4	947.0	856.1	765.3	673.8
55°	1669.5	1598.1	1525.9	1417.1	1308.2	1199.4	1090.5	991.0	892.2	793.4	693.9
57.5°	1698.2	1624.8	1551.3	1442.5	1333.6	1225.4	1116.6	1011.1	906.2	801.4	695.9
60°	1689.6	1620.1	1551.3	1440.5	1329.6	1218.8	1107.9	1002.4	896.9	790.7	685.2
62.5°	1640.1	1569.4	1499.2	1395.7	1291.5	1188.0	1084.5	981.0	877.5	774.0	670.5
65°	1556.7	1489.9	1422.4	1324.9	1227.4	1130.6	1033.1	932.9	833.4	733.9	633.8
67.5°	1425.1	1372.3	1318.9	1226.1	1133.9	1041.1	949.0	856.8	765.3	673.8	581.7
70°	1266.2	1218.1	1170.7	1088.5	1005.7	923.6	841.4	761.3	681.2	601.0	520.9
72.5°	1083.9	1038.4	993.0	925.6	858.1	791.4	723.9	655.8	587.7	519.6	451.4
75°	876.8	841.4	806.0	752.6	699.2	646.4	593.0	536.3	480.2	423.4	366.6
77.5°	662.5	637.1	611.7	571.6	531.6	492.2	452.1	408.0	364.0	319.9	275.8
80°	458.1	438.1	417.4	388.7	359.9	331.9	303.2	273.8	245.1	216.4	187.0
82.5°	273.8	261.1	247.8	231.7	215.7	199.7	183.6	166.3	148.9	130.9	113.5
85°	126.2	119.5	112.9	105.5	98.2	91.5	84.1	76.8	69.5	61.4	54.1
87.5°	26.7	26.0	24.7	24.0	23.4	22.0	21.4	20.7	19.4	18.7	17.4
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	271.8	271.8	272.5	272.5	273.1	273.1	273.8	273.8	273.8	273.8	273.8
5°	265.1	266.5	267.1	267.8	268.5	269.8	270.5	271.1	271.8	272.5	272.5
7.5°	255.8	257.8	260.4	262.4	263.8	265.1	266.5	267.8	268.5	269.1	269.8
10°	248.4	251.8	255.1	258.4	260.4	262.4	263.8	265.8	266.5	267.8	268.5
12.5°	251.1	254.4	258.4	261.8	263.8	266.5	268.5	270.5	271.1	271.8	271.8
15°	259.1	262.4	265.8	269.1	271.8	273.8	276.5	278.5	278.5	279.1	279.1
17.5°	273.8	275.8	277.1	279.1	281.1	283.2	284.5	286.5	286.5	287.2	287.2
20°	293.8	293.8	293.8	293.8	294.5	294.5	295.2	295.2	295.8	295.8	296.5
22.5°	317.9	316.5	314.5	312.5	311.2	309.2	307.9	305.9	305.9	305.9	305.2
25°	343.3	340.6	337.2	334.6	331.2	327.2	323.9	319.9	318.5	317.2	315.2
27.5°	368.0	364.0	359.9	355.9	350.6	345.3	339.2	333.9	331.2	327.9	325.2
30°	391.3	386.0	380.7	375.3	368.6	362.0	354.6	347.9	343.3	338.6	333.9
32.5°	417.4	409.4	400.7	392.7	385.3	377.3	370.0	362.0	355.9	349.9	343.3
35°	444.1	432.7	420.7	409.4	401.4	392.7	384.7	376.0	368.6	360.6	353.3
37.5°	470.8	456.8	442.1	427.4	418.0	408.7	398.7	389.3	380.7	372.0	362.6
40°	496.8	479.5	462.8	445.4	434.7	424.7	414.0	403.4	393.3	383.3	373.3
42.5°	524.2	503.5	483.5	462.8	450.8	438.8	426.7	414.7	404.0	394.0	383.3
45°	554.3	530.2	505.5	480.8	467.5	454.1	440.8	427.4	416.0	404.0	392.7
47.5°	587.7	557.0	526.9	496.2	482.2	467.5	453.4	438.8	426.1	414.0	401.4
50°	611.7	575.7	540.3	504.2	489.5	474.8	459.5	444.8	431.4	418.7	405.4
52.5°	633.1	592.3	551.6	510.9	495.5	479.5	464.1	448.1	434.7	420.7	407.4
55°	647.8	601.7	555.6	509.5	493.5	476.8	460.8	444.1	430.7	416.7	403.4
57.5°	645.1	595.0	544.3	493.5	477.5	461.5	444.8	428.7	416.0	403.4	390.7
60°	631.7	578.3	524.2	470.8	454.8	438.8	422.1	406.0	394.0	382.7	370.6
62.5°	614.4	557.6	501.5	444.8	427.4	410.7	393.3	376.0	366.0	355.9	345.3
65°	577.0	520.2	462.8	406.0	390.7	374.6	359.3	343.3	333.9	324.6	315.2
67.5°	526.9	472.1	417.4	362.6	347.9	333.9	319.2	304.5	295.8	287.2	278.5
70°	470.1	419.4	368.6	317.9	303.9	289.8	275.1	261.1	253.8	247.1	239.7
72.5°	406.0	359.9	314.5	268.5	255.1	242.4	229.1	215.7	210.4	204.3	199.0
75°	328.6	290.5	252.4	214.4	203.7	192.3	181.6	170.3	166.3	162.3	157.6
77.5°	247.1	217.7	189.0	159.6	150.9	142.2	133.6	124.9	122.2	119.5	116.9
80°	167.6	148.9	129.6	110.2	103.5	96.8	90.2	83.5	82.1	80.8	78.8
82.5°	102.2	90.2	78.8	66.8	62.8	58.8	54.8	50.8	50.1	49.4	48.1
85°	49.4	44.1	39.4	34.1	32.7	30.7	29.4	27.4	27.4	26.7	26.7
87.5°	17.4	17.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	273.8	273.8	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
5°	273.1	273.8	273.8	274.5	274.5	275.1	275.1	275.1	274.5	274.5	273.8
7.5°	270.5	271.1	271.1	271.8	271.8	271.8	271.8	271.8	271.8	271.8	271.1
10°	269.1	269.1	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8
12.5°	272.5	272.5	271.8	271.8	271.1	271.1	270.5	271.1	271.1	271.8	271.8
15°	279.1	278.5	277.8	277.1	276.5	276.5	275.8	276.5	276.5	277.1	277.8
17.5°	287.2	286.5	285.2	284.5	283.2	282.5	281.1	282.5	283.2	284.5	285.2
20°	296.5	295.2	293.2	291.8	289.8	289.2	287.8	289.2	289.8	291.8	293.2
22.5°	305.2	303.2	301.2	298.5	296.5	295.2	293.8	295.2	296.5	298.5	301.2
25°	313.9	311.2	309.2	306.5	303.9	302.5	300.5	302.5	303.9	306.5	309.2
27.5°	321.9	319.2	316.5	313.9	311.2	309.2	307.2	309.2	311.2	313.9	316.5
30°	329.2	326.6	323.2	319.9	317.2	315.2	313.2	315.2	317.2	320.5	323.2
32.5°	337.2	333.9	330.6	327.2	323.9	321.2	318.5	321.2	323.9	327.2	330.6
35°	345.3	341.3	337.9	333.9	329.9	327.2	324.6	327.2	329.9	333.9	337.9
37.5°	353.9	349.3	345.3	340.6	335.9	332.6	329.9	333.2	335.9	340.6	345.3
40°	363.3	357.9	353.3	347.9	342.6	339.2	335.9	339.2	342.6	347.9	353.3
42.5°	372.6	366.6	360.6	353.9	347.9	344.6	341.3	344.6	347.9	353.9	360.6
45°	380.7	374.0	367.3	360.6	353.9	350.6	347.3	350.6	353.9	360.6	367.3
47.5°	388.7	381.3	374.0	366.6	359.3	355.9	352.6	355.9	359.3	366.6	374.0
50°	392.0	384.0	376.6	368.6	360.6	356.6	353.3	357.3	360.6	368.6	376.6
52.5°	393.3	385.3	377.3	368.6	360.6	356.6	353.3	357.3	360.6	368.6	377.3
55°	389.3	380.7	372.6	364.0	355.3	351.3	347.9	351.9	355.3	364.0	372.6
57.5°	378.0	369.3	361.3	352.6	343.9	339.2	335.2	339.9	343.9	352.6	361.3
60°	358.6	350.6	343.3	335.2	327.2	322.6	317.9	322.6	327.2	335.2	343.3
62.5°	335.2	327.9	320.5	313.2	305.9	301.2	297.2	301.8	305.9	313.2	320.5
65°	305.9	299.2	292.5	285.2	278.5	273.1	267.8	273.1	278.5	285.2	292.5
67.5°	269.8	263.8	258.4	252.4	246.4	241.1	236.4	241.7	246.4	252.4	258.4
70°	232.4	227.7	223.0	217.7	213.0	208.4	204.3	209.0	213.0	217.7	223.0
72.5°	193.0	188.3	183.6	179.0	174.3	169.6	164.9	169.6	174.3	179.0	183.6
75°	153.6	149.6	145.6	140.9	136.9	132.9	128.9	132.9	136.9	140.9	145.6
77.5°	114.2	110.9	107.5	103.5	100.2	95.5	91.5	96.2	100.2	103.5	107.5
80°	77.5	74.1	71.5	68.1	64.8	61.4	58.1	61.4	64.8	68.1	71.5
82.5°	47.4	44.7	42.1	38.7	36.1	32.7	29.4	32.7	36.1	38.7	42.1
85°	26.0	24.0	22.0	19.4	17.4	13.4	9.3	13.4	17.4	19.4	22.0
87.5°	16.7	14.7	12.7	10.0	8.0	4.7	1.3	4.7	8.0	10.0	12.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.1	273.1	272.5	272.5
5°	273.8	273.1	272.5	272.5	271.8	271.1	270.5	269.8	268.5	267.8	267.1
7.5°	271.1	270.5	269.8	269.1	268.5	267.8	266.5	265.1	263.8	262.4	260.4
10°	269.1	269.1	268.5	267.8	266.5	265.8	263.8	262.4	260.4	258.4	255.1
12.5°	272.5	272.5	271.8	271.8	271.1	270.5	268.5	266.5	263.8	261.8	258.4
15°	278.5	279.1	279.1	279.1	278.5	278.5	276.5	273.8	271.8	269.1	265.8
17.5°	286.5	287.2	287.2	287.2	286.5	286.5	284.5	283.2	281.1	279.1	277.1
20°	295.2	296.5	296.5	295.8	295.8	295.2	295.2	294.5	294.5	293.8	293.8
22.5°	303.2	305.2	305.2	305.9	305.9	305.9	307.9	309.2	311.2	312.5	314.5
25°	311.2	313.9	315.2	317.2	318.5	319.9	323.9	327.2	331.2	334.6	337.2
27.5°	319.2	321.9	325.2	327.9	331.2	333.9	339.2	345.3	350.6	355.9	359.9
30°	326.6	329.2	333.9	338.6	343.3	347.9	354.6	362.0	368.6	375.3	380.7
32.5°	333.9	337.2	343.3	349.9	355.9	362.0	370.0	377.3	385.3	392.7	400.7
35°	341.3	345.3	353.3	360.6	368.6	376.0	384.7	392.7	401.4	409.4	420.7
37.5°	349.3	353.9	362.6	372.0	380.7	389.3	398.7	408.7	418.0	427.4	442.1
40°	357.9	363.3	373.3	383.3	393.3	403.4	414.0	424.7	434.7	445.4	462.8
42.5°	366.6	372.6	383.3	394.0	404.0	414.7	426.7	438.8	450.8	462.8	483.5
45°	374.0	380.7	392.7	404.0	416.0	427.4	440.8	454.1	467.5	480.8	505.5
47.5°	381.3	388.7	401.4	414.0	426.1	438.8	453.4	467.5	482.2	496.2	526.9
50°	384.0	392.0	405.4	418.7	431.4	444.8	459.5	474.8	489.5	504.2	540.3
52.5°	385.3	393.3	407.4	420.7	434.7	448.1	464.1	479.5	495.5	510.9	551.6
55°	380.7	389.3	403.4	416.7	430.7	444.1	460.8	476.8	493.5	509.5	555.6
57.5°	369.3	378.0	390.7	403.4	416.0	428.7	444.8	461.5	477.5	493.5	544.3
60°	350.6	358.6	370.6	382.7	394.0	406.0	422.1	438.8	454.8	470.8	524.2
62.5°	327.9	335.2	345.3	355.9	366.0	376.0	393.3	410.7	427.4	444.8	501.5
65°	299.2	305.9	315.2	324.6	333.9	343.3	359.3	374.6	390.7	406.0	462.8
67.5°	263.8	269.8	278.5	287.2	295.8	304.5	319.2	333.9	347.9	362.6	417.4
70°	227.7	232.4	239.7	247.1	253.8	261.1	275.1	289.8	303.9	317.9	368.6
72.5°	188.3	193.0	199.0	204.3	210.4	215.7	229.1	242.4	255.1	268.5	314.5
75°	149.6	153.6	157.6	162.3	166.3	170.3	181.6	192.3	203.7	214.4	252.4
77.5°	110.9	114.2	116.9	119.5	122.2	124.9	133.6	142.2	150.9	159.6	189.0
80°	74.1	77.5	78.8	80.8	82.1	83.5	90.2	96.8	103.5	110.2	129.6
82.5°	44.7	47.4	48.1	49.4	50.1	50.8	54.8	58.8	62.8	66.8	78.8
85°	24.0	26.0	26.7	26.7	27.4	27.4	29.4	30.7	32.7	34.1	39.4
87.5°	14.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	271.8	271.8	271.1	271.1	271.1	270.5	270.5	270.5	269.8	269.8	269.1
5°	266.5	265.1	264.5	263.1	261.8	260.4	259.1	257.8	257.1	255.8	254.4
7.5°	257.8	255.8	253.1	250.4	248.4	245.8	243.1	241.1	238.4	236.4	233.7
10°	251.8	248.4	245.1	241.1	237.7	233.7	229.7	226.4	223.0	219.0	215.7
12.5°	254.4	251.1	247.1	243.1	239.1	235.1	231.1	227.7	224.4	220.4	217.0
15°	262.4	259.1	255.8	253.1	250.4	247.1	244.4	241.7	238.4	235.7	232.4
17.5°	275.8	273.8	271.8	270.5	268.5	267.1	265.1	263.8	261.8	260.4	258.4
20°	293.8	293.8	293.8	293.2	293.2	292.5	291.8	293.2	293.8	295.2	295.8
22.5°	316.5	317.9	319.9	321.9	323.9	325.2	327.2	332.6	338.6	343.9	349.3
25°	340.6	343.3	345.9	351.3	357.3	362.6	368.0	381.3	394.0	407.4	420.1
27.5°	364.0	368.0	372.0	382.0	392.0	402.0	412.0	433.4	455.4	476.8	498.2
30°	386.0	391.3	396.7	412.7	428.1	444.1	459.5	487.5	516.2	544.3	572.3
32.5°	409.4	417.4	425.4	446.8	468.1	488.8	510.2	543.6	577.0	610.4	643.8
35°	432.7	444.1	455.4	481.5	507.5	533.6	559.6	601.0	642.4	683.8	725.2
37.5°	456.8	470.8	485.5	516.9	548.3	579.0	610.4	662.5	713.9	766.0	817.4
40°	479.5	496.8	513.5	553.6	593.7	633.1	673.2	733.3	794.0	854.1	914.2
42.5°	503.5	524.2	544.3	594.3	645.1	695.2	745.3	814.7	883.5	953.0	1021.7
45°	530.2	554.3	579.0	640.4	701.2	762.6	823.4	904.2	984.3	1065.2	1145.3
47.5°	557.0	587.7	617.7	689.8	762.6	834.8	906.9	994.4	1081.8	1169.3	1256.8
50°	575.7	611.7	647.1	730.6	814.1	897.5	981.0	1077.8	1175.3	1272.2	1369.0
52.5°	592.3	633.1	673.8	765.3	856.1	947.6	1038.4	1147.3	1256.1	1365.0	1473.9
55°	601.7	647.8	693.9	793.4	892.2	991.7	1090.5	1199.4	1308.2	1417.1	1525.9
57.5°	595.0	645.1	695.9	801.4	906.2	1011.7	1116.6	1225.4	1334.3	1442.5	1551.3
60°	578.3	631.7	685.2	790.7	896.9	1002.4	1107.9	1218.8	1329.6	1440.5	1551.3
62.5°	557.6	614.4	670.5	774.0	877.5	981.0	1084.5	1188.0	1292.2	1395.7	1499.2
65°	520.2	577.0	633.8	733.9	833.4	933.6	1033.1	1130.6	1228.1	1324.9	1422.4
67.5°	472.1	526.9	581.7	673.8	765.3	857.5	949.0	1041.8	1133.9	1226.8	1318.9
70°	419.4	470.1	520.9	601.0	681.2	761.3	841.4	923.6	1006.4	1088.5	1170.7
72.5°	359.9	406.0	451.4	519.6	587.7	655.8	723.9	791.4	858.8	925.6	993.0
75°	290.5	328.6	366.6	423.4	480.2	536.3	593.0	646.4	699.9	752.6	806.0
77.5°	217.7	247.1	275.8	319.9	364.0	408.0	452.1	492.2	532.2	571.6	611.7
80°	148.9	167.6	187.0	216.4	245.1	274.5	303.2	331.9	360.6	388.7	417.4
82.5°	90.2	102.2	113.5	130.9	148.9	166.3	183.6	199.7	215.7	231.7	247.8
85°	44.1	49.4	54.1	61.4	69.5	76.8	84.1	91.5	98.8	105.5	112.9
87.5°	17.4	17.4	17.4	18.7	19.4	20.7	21.4	22.0	23.4	24.0	24.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	269.1	269.1	268.5	268.5	268.5	268.5	267.8	267.8	267.8	267.8	267.8
5°	253.8	253.1	252.4	251.8	251.1	250.4	249.8	249.1	249.1	248.4	249.1
7.5°	231.7	230.4	228.4	226.4	225.1	224.4	223.0	221.7	221.7	221.7	221.7
10°	213.0	209.7	207.0	203.7	202.3	200.3	199.0	197.0	196.3	195.0	196.3
12.5°	214.4	211.7	208.4	205.7	203.7	201.7	199.7	197.7	197.0	196.3	197.0
15°	230.4	228.4	225.7	223.7	222.4	221.0	219.0	217.7	217.0	215.7	217.0
17.5°	257.8	256.4	255.8	254.4	254.4	254.4	253.8	253.8	253.8	253.8	253.8
20°	298.5	301.2	303.9	306.5	309.2	312.5	315.2	317.9	318.5	319.2	318.5
22.5°	357.9	366.6	374.6	383.3	392.0	400.7	409.4	418.0	421.4	424.7	421.4
25°	439.4	458.8	478.2	497.5	513.5	529.6	544.9	561.0	567.6	574.3	567.6
27.5°	526.9	556.3	585.0	613.7	633.8	654.5	674.5	695.2	702.5	709.9	702.5
30°	605.0	637.8	670.5	703.2	723.9	744.6	764.6	785.3	790.0	795.4	790.7
32.5°	679.8	716.6	752.6	788.7	810.7	833.4	855.5	877.5	879.5	881.5	879.5
35°	767.3	809.4	851.5	893.5	914.9	936.3	957.0	978.3	984.3	990.4	984.3
37.5°	863.5	909.6	955.6	1001.7	1021.7	1041.8	1061.8	1081.8	1086.5	1091.2	1086.5
40°	963.0	1011.7	1059.8	1108.6	1129.3	1150.0	1170.7	1191.4	1194.0	1197.4	1194.7
42.5°	1075.2	1127.9	1180.7	1234.1	1254.1	1274.8	1294.9	1314.9	1318.9	1322.9	1318.9
45°	1201.4	1256.8	1312.2	1368.3	1388.4	1409.1	1429.1	1449.8	1457.2	1464.5	1457.2
47.5°	1318.9	1381.0	1443.1	1505.2	1531.3	1558.0	1584.0	1610.8	1615.4	1620.1	1615.4
50°	1435.8	1502.6	1568.7	1635.5	1662.2	1688.9	1714.9	1741.6	1747.7	1753.7	1747.7
52.5°	1540.6	1607.4	1674.2	1741.0	1770.4	1800.4	1829.8	1859.2	1865.2	1871.2	1865.2
55°	1598.1	1669.5	1741.0	1813.1	1845.2	1877.9	1909.9	1942.7	1952.7	1962.7	1952.7
57.5°	1624.8	1698.2	1771.7	1845.2	1879.2	1913.9	1948.0	1982.1	1990.7	1999.4	1990.7
60°	1620.1	1689.6	1758.3	1827.1	1861.2	1895.9	1930.0	1964.7	1973.4	1982.1	1973.4
62.5°	1569.4	1640.1	1710.3	1780.4	1813.8	1847.8	1881.2	1914.6	1923.3	1932.6	1924.0
65°	1489.9	1556.7	1623.4	1690.9	1716.3	1741.6	1766.4	1791.7	1800.4	1809.8	1801.1
67.5°	1372.3	1425.1	1477.9	1531.3	1559.3	1587.4	1614.8	1642.8	1655.5	1668.9	1656.2
70°	1218.1	1266.2	1313.6	1361.0	1391.0	1421.1	1450.5	1480.5	1485.9	1491.9	1486.5
72.5°	1038.4	1083.9	1129.3	1174.7	1196.7	1219.4	1241.5	1263.5	1269.5	1276.2	1270.2
75°	841.4	876.8	911.6	947.0	963.6	981.0	997.7	1015.1	1021.7	1029.1	1022.4
77.5°	637.1	662.5	687.2	712.6	728.6	744.6	760.0	776.0	780.7	785.3	780.7
80°	438.1	458.1	478.2	498.9	506.9	515.5	523.6	532.2	535.6	539.6	536.3
82.5°	261.1	273.8	286.5	299.8	303.9	308.5	312.5	316.5	317.9	318.5	317.9
85°	119.5	126.2	132.2	138.9	140.9	143.6	145.6	147.6	149.6	151.6	149.6
87.5°	26.0	26.7	28.0	28.7	30.1	30.7	32.1	32.7	32.7	32.7	32.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	267.8	267.8	268.5	268.5	268.5	268.5	269.1	269.1	269.1	269.8	269.8
5°	249.1	249.8	250.4	251.1	251.8	252.4	253.1	253.8	254.4	255.8	257.1
7.5°	221.7	223.0	224.4	225.1	226.4	228.4	230.4	231.7	233.7	236.4	238.4
10°	197.0	199.0	200.3	202.3	203.7	207.0	209.7	213.0	215.7	219.0	223.0
12.5°	197.7	199.7	201.7	203.7	205.7	208.4	211.7	214.4	217.0	220.4	224.4
15°	217.7	219.0	221.0	222.4	223.7	225.7	228.4	230.4	232.4	235.7	238.4
17.5°	253.8	253.8	254.4	254.4	254.4	255.8	256.4	257.8	258.4	260.4	261.8
20°	317.9	315.2	312.5	309.2	306.5	303.9	301.2	298.5	295.8	295.2	293.8
22.5°	418.0	409.4	400.7	392.0	383.3	374.6	366.6	357.9	349.3	343.9	338.6
25°	561.0	544.9	529.6	513.5	497.5	478.2	458.8	439.4	420.1	406.7	394.0
27.5°	695.2	674.5	654.5	633.8	613.7	585.0	556.3	526.9	498.2	476.8	455.4
30°	785.3	764.6	744.6	723.9	703.2	670.5	637.8	605.0	572.3	544.3	516.2
32.5°	877.5	855.5	833.4	810.7	788.7	752.6	716.6	679.8	643.8	610.4	577.0
35°	978.3	957.0	936.3	914.9	893.5	851.5	809.4	767.3	725.2	683.8	642.4
37.5°	1081.8	1061.8	1041.8	1021.7	1001.7	955.6	909.6	863.5	817.4	765.3	713.9
40°	1191.4	1170.7	1150.0	1129.3	1108.6	1059.8	1011.7	963.0	914.2	854.1	794.0
42.5°	1314.9	1294.9	1274.8	1254.1	1234.1	1180.7	1127.9	1074.5	1021.7	952.3	883.5
45°	1449.8	1429.1	1409.1	1388.4	1368.3	1312.2	1256.8	1200.7	1145.3	1064.5	984.3
47.5°	1610.8	1584.0	1558.0	1531.3	1505.2	1443.1	1381.0	1318.9	1256.8	1169.3	1081.8
50°	1741.6	1714.9	1688.9	1662.2	1635.5	1568.7	1502.6	1435.8	1369.0	1272.2	1175.3
52.5°	1859.2	1829.8	1800.4	1770.4	1741.0	1674.2	1607.4	1540.6	1473.9	1365.0	1256.1
55°	1942.7	1909.9	1877.9	1845.2	1813.1	1741.0	1669.5	1597.4	1525.9	1417.1	1308.2
57.5°	1982.1	1948.0	1913.9	1879.2	1845.2	1771.7	1698.2	1624.8	1551.3	1442.5	1334.3
60°	1964.7	1930.0	1895.9	1861.2	1827.1	1758.3	1689.6	1620.1	1551.3	1440.5	1329.6
62.5°	1914.6	1881.2	1847.8	1813.8	1780.4	1710.3	1640.1	1569.4	1499.2	1395.7	1292.2
65°	1791.7	1766.4	1741.6	1716.3	1690.9	1623.4	1556.7	1489.2	1422.4	1324.9	1228.1
67.5°	1642.8	1614.8	1587.4	1559.3	1531.3	1477.9	1425.1	1371.7	1318.9	1226.1	1133.9
70°	1480.5	1450.5	1421.1	1391.0	1361.0	1313.6	1266.2	1218.1	1170.7	1088.5	1006.4
72.5°	1263.5	1241.5	1219.4	1196.7	1174.7	1129.3	1083.9	1038.4	993.0	925.6	858.8
75°	1015.1	997.7	981.0	963.6	947.0	911.6	876.8	841.4	806.0	752.6	699.9
77.5°	776.0	760.0	744.6	728.6	712.6	687.2	662.5	637.1	611.7	571.6	532.2
80°	532.2	523.6	515.5	506.9	498.9	478.2	458.1	437.4	417.4	388.7	360.6
82.5°	316.5	312.5	308.5	303.9	299.8	286.5	273.8	260.4	247.8	231.7	215.7
85°	147.6	145.6	143.6	140.9	138.9	132.2	126.2	119.5	112.9	105.5	98.8
87.5°	32.7	32.1	30.7	30.1	28.7	28.0	26.7	26.0	24.7	24.0	23.4
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	270.5	270.5	270.5	271.1	271.1	271.1	271.8	271.8	272.5	272.5	273.1
5°	257.8	259.1	260.4	261.8	263.1	264.5	265.1	266.5	267.1	267.8	268.5
7.5°	241.1	243.1	245.8	248.4	250.4	253.1	255.8	257.8	260.4	262.4	263.8
10°	226.4	229.7	233.7	237.7	241.1	245.1	248.4	251.8	255.1	258.4	260.4
12.5°	227.7	231.1	235.1	239.1	243.1	247.1	251.1	254.4	258.4	261.8	263.8
15°	241.7	244.4	247.1	250.4	253.1	255.8	259.1	262.4	265.8	269.1	271.8
17.5°	263.8	265.1	267.1	268.5	270.5	271.8	273.8	275.8	277.1	279.1	281.1
20°	293.2	291.8	292.5	293.2	293.2	293.8	293.8	293.8	293.8	293.8	294.5
22.5°	332.6	327.2	325.2	323.9	321.9	319.9	317.9	316.5	314.5	312.5	311.2
25°	381.3	368.0	362.6	357.3	351.3	345.9	343.3	340.6	337.2	334.6	331.2
27.5°	433.4	412.0	402.0	392.0	382.0	372.0	368.0	364.0	359.9	355.9	350.6
30°	487.5	459.5	444.1	428.1	412.7	396.7	391.3	386.0	380.7	375.3	368.6
32.5°	543.6	510.2	488.8	468.1	446.8	425.4	417.4	409.4	400.7	392.7	385.3
35°	601.0	559.6	533.6	507.5	481.5	455.4	444.1	432.7	420.7	409.4	401.4
37.5°	662.5	610.4	579.0	548.3	516.9	485.5	470.8	456.8	442.1	427.4	418.0
40°	733.3	673.2	633.1	593.7	553.6	513.5	496.8	479.5	462.8	445.4	434.7
42.5°	814.7	745.3	695.2	645.1	594.3	544.3	524.2	503.5	483.5	462.8	450.8
45°	904.2	823.4	762.6	701.2	640.4	579.0	554.3	530.2	505.5	480.8	467.5
47.5°	994.4	906.9	834.8	762.6	689.8	617.7	587.7	557.0	526.9	496.2	482.2
50°	1077.8	981.0	897.5	814.1	730.6	647.1	611.7	575.7	540.3	504.2	489.5
52.5°	1147.3	1038.4	947.6	856.1	765.3	673.8	633.1	592.3	551.6	510.9	495.5
55°	1199.4	1090.5	991.7	892.2	793.4	693.9	647.8	601.7	555.6	509.5	493.5
57.5°	1225.4	1116.6	1011.7	906.2	801.4	695.9	645.1	595.0	544.3	493.5	477.5
60°	1218.8	1107.9	1002.4	896.9	790.7	685.2	631.7	578.3	524.2	470.8	454.8
62.5°	1188.0	1084.5	981.0	877.5	774.0	670.5	614.4	557.6	501.5	444.8	427.4
65°	1130.6	1033.1	933.6	833.4	733.9	633.8	577.0	520.2	462.8	406.0	390.7
67.5°	1041.8	949.0	857.5	765.3	673.8	581.7	526.9	472.1	417.4	362.6	347.9
70°	923.6	841.4	761.3	681.2	601.0	520.9	470.1	419.4	368.6	317.9	303.9
72.5°	791.4	723.9	655.8	587.7	519.6	451.4	406.0	359.9	314.5	268.5	255.1
75°	646.4	593.0	536.3	480.2	423.4	366.6	328.6	290.5	252.4	214.4	203.7
77.5°	492.2	452.1	408.0	364.0	319.9	275.8	247.1	217.7	189.0	159.6	150.9
80°	331.9	303.2	274.5	245.1	216.4	187.0	167.6	148.9	129.6	110.2	103.5
82.5°	199.7	183.6	166.3	148.9	130.9	113.5	102.2	90.2	78.8	66.8	62.8
85°	91.5	84.1	76.8	69.5	61.4	54.1	49.4	44.1	39.4	34.1	32.7
87.5°	22.0	21.4	20.7	19.4	18.7	17.4	17.4	17.4	16.7	16.7	16.7
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	273.1	273.8	273.8	273.8	273.8	273.8	273.8	273.8	274.5	274.5	274.5
5°	269.8	270.5	271.1	271.8	272.5	272.5	273.1	273.8	273.8	274.5	274.5
7.5°	265.1	266.5	267.8	268.5	269.1	269.8	270.5	271.1	271.1	271.8	271.8
10°	261.8	263.8	265.8	266.5	267.8	268.5	269.1	269.1	269.8	269.8	269.8
12.5°	265.8	268.5	270.5	271.1	271.8	271.8	272.5	272.5	271.8	271.8	271.1
15°	273.8	276.5	278.5	278.5	279.1	279.1	279.1	278.5	277.8	277.1	276.5
17.5°	282.5	284.5	286.5	286.5	287.2	287.2	287.2	286.5	285.2	284.5	283.2
20°	294.5	295.2	295.2	295.8	295.8	296.5	296.5	295.2	293.2	291.8	289.8
22.5°	309.2	307.9	305.9	305.9	305.9	305.2	305.2	303.2	301.2	298.5	296.5
25°	327.2	323.9	319.9	318.5	317.2	315.2	313.9	311.2	309.2	306.5	303.9
27.5°	345.3	339.2	333.9	331.2	327.9	325.2	321.9	319.2	316.5	313.9	311.2
30°	362.0	354.6	347.9	343.3	338.6	333.9	329.2	326.6	323.2	320.5	317.2
32.5°	377.3	370.0	362.0	355.9	349.9	343.3	337.2	333.9	330.6	327.2	323.9
35°	392.7	384.7	376.0	368.6	360.6	353.3	345.3	341.3	337.9	333.9	329.9
37.5°	408.7	398.7	389.3	380.7	372.0	362.6	353.9	349.3	345.3	340.6	335.9
40°	424.7	414.0	403.4	393.3	383.3	373.3	363.3	357.9	353.3	347.9	342.6
42.5°	438.8	426.7	414.7	404.0	394.0	383.3	372.6	366.6	360.6	353.9	347.9
45°	454.1	440.8	427.4	416.0	404.0	392.7	380.7	374.0	367.3	360.6	353.9
47.5°	467.5	453.4	438.8	426.1	414.0	401.4	388.7	381.3	374.0	366.6	359.3
50°	474.8	459.5	444.8	431.4	418.7	405.4	392.0	384.0	376.6	368.6	360.6
52.5°	479.5	464.1	448.1	434.7	420.7	407.4	393.3	385.3	377.3	368.6	360.6
55°	476.8	460.8	444.1	430.7	416.7	403.4	389.3	380.7	372.6	364.0	355.3
57.5°	461.5	444.8	428.7	416.0	403.4	390.7	378.0	369.3	361.3	352.6	343.9
60°	438.8	422.1	406.0	394.0	382.7	370.6	358.6	350.6	343.3	335.2	327.2
62.5°	410.7	393.3	376.0	366.0	355.9	345.3	335.2	327.9	320.5	313.2	305.9
65°	374.6	359.3	343.3	333.9	324.6	315.2	305.9	299.2	292.5	285.2	278.5
67.5°	333.9	319.2	304.5	295.8	287.2	278.5	269.8	263.8	258.4	252.4	246.4
70°	289.8	275.1	261.1	253.8	247.1	239.7	232.4	227.7	223.0	217.7	213.0
72.5°	242.4	229.1	215.7	210.4	204.3	199.0	193.0	188.3	183.6	179.0	174.3
75°	192.3	181.6	170.3	166.3	162.3	157.6	153.6	149.6	145.6	140.9	136.9
77.5°	142.2	133.6	124.9	122.2	119.5	116.9	114.2	110.9	107.5	103.5	100.2
80°	96.8	90.2	83.5	82.1	80.8	78.8	77.5	74.1	71.5	68.1	64.8
82.5°	58.8	54.8	50.8	50.1	49.4	48.1	47.4	44.7	42.1	38.7	36.1
85°	30.7	29.4	27.4	27.4	26.7	26.7	26.0	24.0	22.0	19.4	17.4
87.5°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	14.7	12.7	10.0	8.0
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	273.8	273.8
2.5°	274.5	274.5
5°	275.1	275.1
7.5°	271.8	271.8
10°	269.8	269.8
12.5°	271.1	270.5
15°	276.5	275.8
17.5°	282.5	281.1
20°	289.2	287.8
22.5°	295.2	293.8
25°	302.5	300.5
27.5°	309.2	307.2
30°	315.2	313.2
32.5°	321.2	318.5
35°	327.2	324.6
37.5°	333.2	329.9
40°	339.2	335.9
42.5°	344.6	341.3
45°	350.6	347.3
47.5°	355.9	352.6
50°	357.3	353.3
52.5°	357.3	353.3
55°	351.9	347.9
57.5°	339.9	335.2
60°	322.6	317.9
62.5°	301.8	297.2
65°	273.1	267.8
67.5°	241.7	236.4
70°	209.0	204.3
72.5°	169.6	164.9
75°	132.9	128.9
77.5°	96.2	91.5
80°	61.4	58.1
82.5°	32.7	29.4
85°	13.4	9.3
87.5°	4.7	1.3
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: P1445223

CATALOG NUMBER: TPTN-VA2-830-U-RW-CG-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: SP1-2411-284-4

Test Date: 11/22/2024

Luminaire Tested: TTN-D0-830-U-WQ

Data in this report applies to families of products including TTN-D0-830-U-WQ

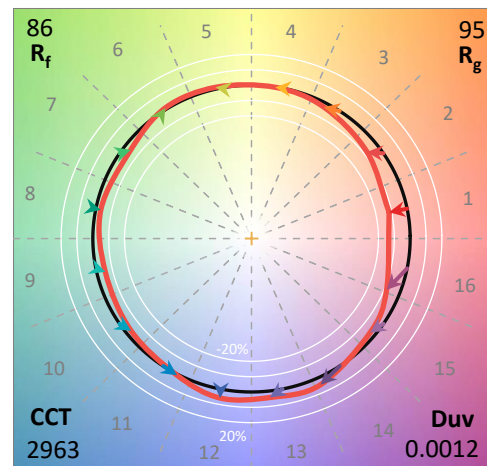
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2411-284-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 11/22/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **TTN-D0-830-U-WQ**
 Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE. 3000K, 80 CRI LEDS AND WIDE DISTRIBUTION

Spectral Parameters

CCT (K): 2963
 CIE u' : 0.2515
 CIE v' : 0.5238
 Duv: 0.0012
 CIE x: 0.4414
 CIE y: 0.4086
 CIE z: 0.1501
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 582
 Purity: 55.12798
 R_f: 86.1
 R_g: 94.9

CRI (Ra): 82.9
 R1: 81.4
 R2: 91.9
 R3: 95.2
 R4: 81.6
 R5: 82.3
 R6: 91.4
 R7: 82.0
 R8: 57.2
 R9: 3.9
 R10: 82.5
 R11: 82.3
 R12: 76.5
 R13: 83.9
 R14: 97.8
 R15: 72.6



Test Conditions

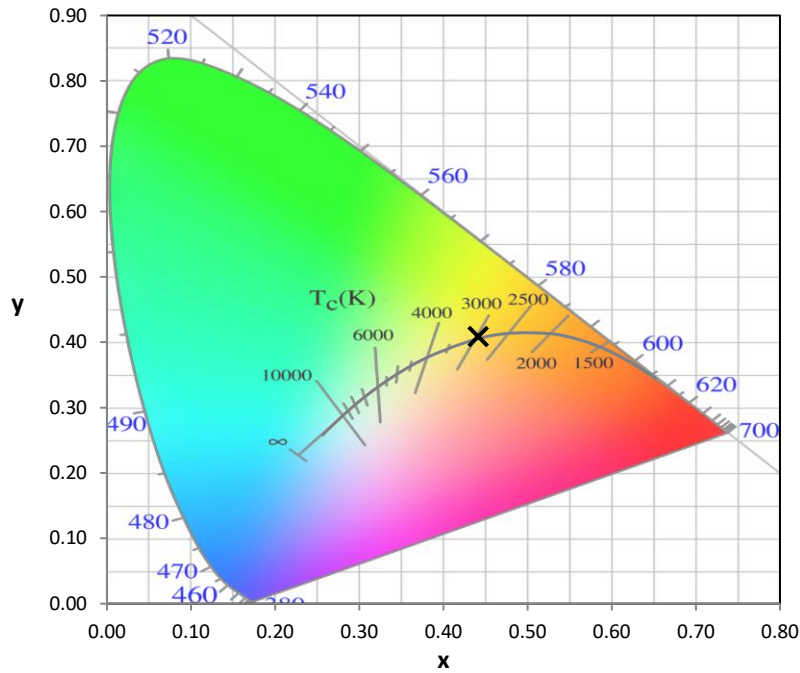
Stabilization Time: 37M
 Operation Time: 1H 37M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2411-284-4

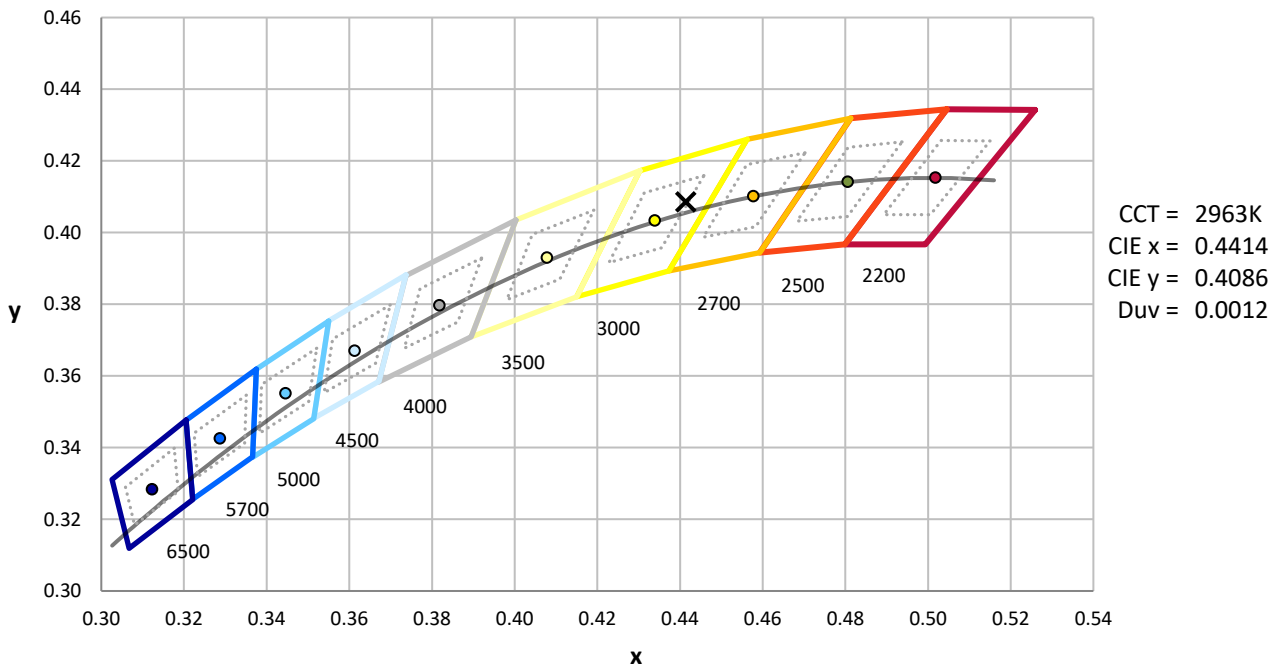
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2411-284-4

CIE 1931 Chromaticity Diagram



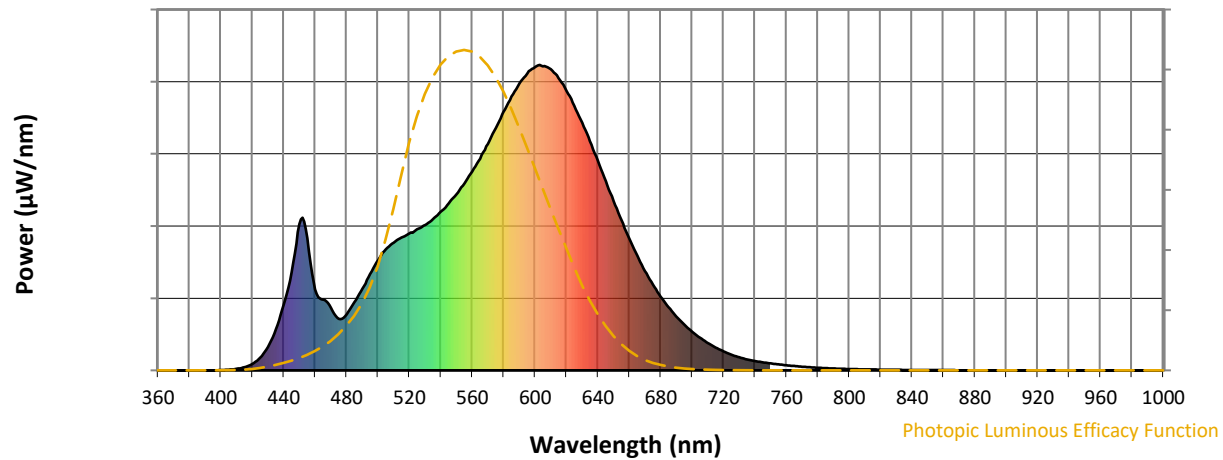
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-4

Photopic Flux vs. Wavelength

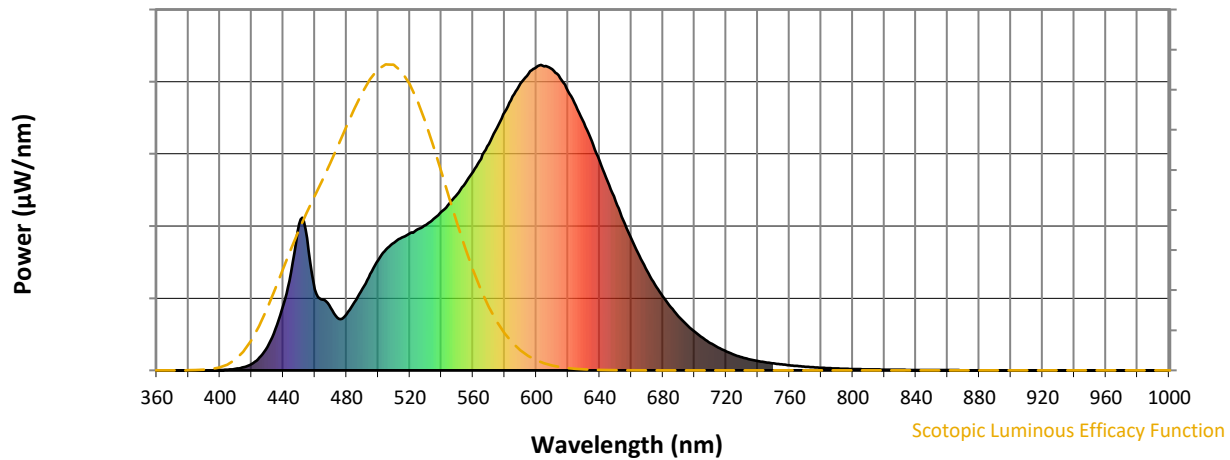


Photopic Lumens: NR

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	267	NR	620	915	NR	750	23	NR	880	0	NR
365	0	NR	495	315	NR	625	866	NR	755	20	NR	885	0	NR
370	0	NR	500	360	NR	630	811	NR	760	17	NR	890	0	NR
375	0	NR	505	396	NR	635	750	NR	765	14	NR	895	0	NR
380	0	NR	510	418	NR	640	686	NR	770	12	NR	900	0	NR
385	0	NR	515	435	NR	645	619	NR	775	10	NR	905	0	NR
390	0	NR	520	448	NR	650	554	NR	780	9	NR	910	0	NR
395	0	NR	525	462	NR	655	491	NR	785	7	NR	915	0	NR
400	1	NR	530	476	NR	660	431	NR	790	6	NR	920	0	NR
405	2	NR	535	495	NR	665	376	NR	795	5	NR	925	0	NR
410	5	NR	540	520	NR	670	325	NR	800	4	NR	930	0	NR
415	10	NR	545	547	NR	675	280	NR	805	4	NR	935	0	NR
420	21	NR	550	576	NR	680	241	NR	810	3	NR	940	0	NR
425	42	NR	555	612	NR	685	207	NR	815	3	NR	945	0	NR
430	77	NR	560	651	NR	690	176	NR	820	2	NR	950	0	NR
435	135	NR	565	693	NR	695	149	NR	825	2	NR	955	0	NR
440	215	NR	570	741	NR	700	127	NR	830	2	NR	960	0	NR
445	321	NR	575	793	NR	705	107	NR	835	2	NR	965	0	NR
450	479	NR	580	847	NR	710	89	NR	840	1	NR	970	0	NR
455	432	NR	585	897	NR	715	75	NR	845	1	NR	975	0	NR
460	265	NR	590	940	NR	720	62	NR	850	1	NR	980	0	NR
465	231	NR	595	971	NR	725	51	NR	855	1	NR	985	0	NR
470	204	NR	600	993	NR	730	43	NR	860	1	NR	990	0	NR
475	168	NR	605	996	NR	735	36	NR	865	1	NR	995	0	NR
480	183	NR	610	986	NR	740	31	NR	870	1	NR	1000	0	NR
485	223	NR	615	957	NR	745	26	NR	875	0	NR			

REPORT NUMBER: SP1-2411-284-4

Scotopic Flux vs. Wavelength

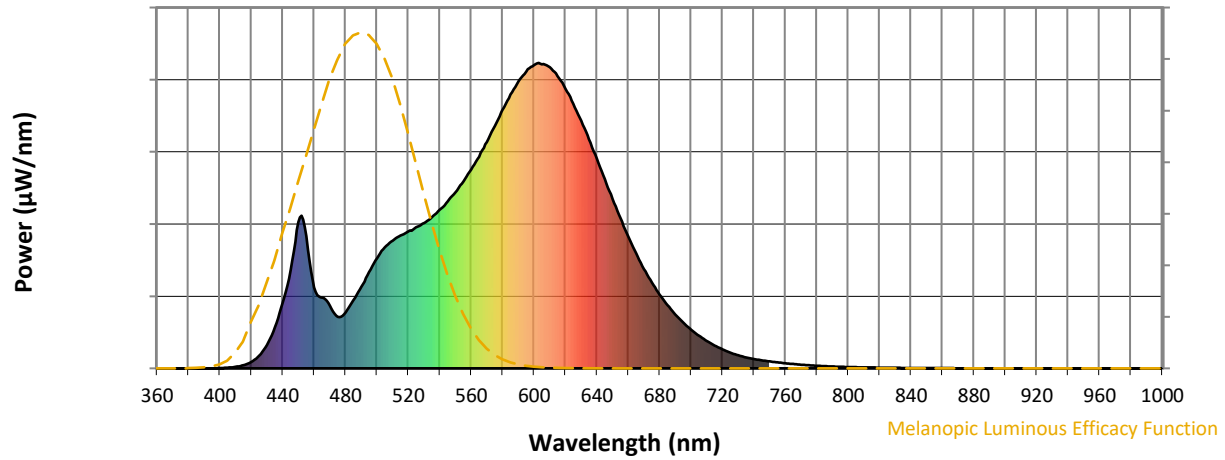


Scotopic Lumens: NR

S/P: 1.34

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	267	NR	620	915	NR	750	23	NR	880	0	NR
365	0	NR	495	315	NR	625	866	NR	755	20	NR	885	0	NR
370	0	NR	500	360	NR	630	811	NR	760	17	NR	890	0	NR
375	0	NR	505	396	NR	635	750	NR	765	14	NR	895	0	NR
380	0	NR	510	418	NR	640	686	NR	770	12	NR	900	0	NR
385	0	NR	515	435	NR	645	619	NR	775	10	NR	905	0	NR
390	0	NR	520	448	NR	650	554	NR	780	9	NR	910	0	NR
395	0	NR	525	462	NR	655	491	NR	785	7	NR	915	0	NR
400	1	NR	530	476	NR	660	431	NR	790	6	NR	920	0	NR
405	2	NR	535	495	NR	665	376	NR	795	5	NR	925	0	NR
410	5	NR	540	520	NR	670	325	NR	800	4	NR	930	0	NR
415	10	NR	545	547	NR	675	280	NR	805	4	NR	935	0	NR
420	21	NR	550	576	NR	680	241	NR	810	3	NR	940	0	NR
425	42	NR	555	612	NR	685	207	NR	815	3	NR	945	0	NR
430	77	NR	560	651	NR	690	176	NR	820	2	NR	950	0	NR
435	135	NR	565	693	NR	695	149	NR	825	2	NR	955	0	NR
440	215	NR	570	741	NR	700	127	NR	830	2	NR	960	0	NR
445	321	NR	575	793	NR	705	107	NR	835	2	NR	965	0	NR
450	479	NR	580	847	NR	710	89	NR	840	1	NR	970	0	NR
455	432	NR	585	897	NR	715	75	NR	845	1	NR	975	0	NR
460	265	NR	590	940	NR	720	62	NR	850	1	NR	980	0	NR
465	231	NR	595	971	NR	725	51	NR	855	1	NR	985	0	NR
470	204	NR	600	993	NR	730	43	NR	860	1	NR	990	0	NR
475	168	NR	605	996	NR	735	36	NR	865	1	NR	995	0	NR
480	183	NR	610	986	NR	740	31	NR	870	1	NR	1000	0	NR
485	223	NR	615	957	NR	745	26	NR	875	0	NR			

REPORT NUMBER: SP1-2411-284-4

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 2.58

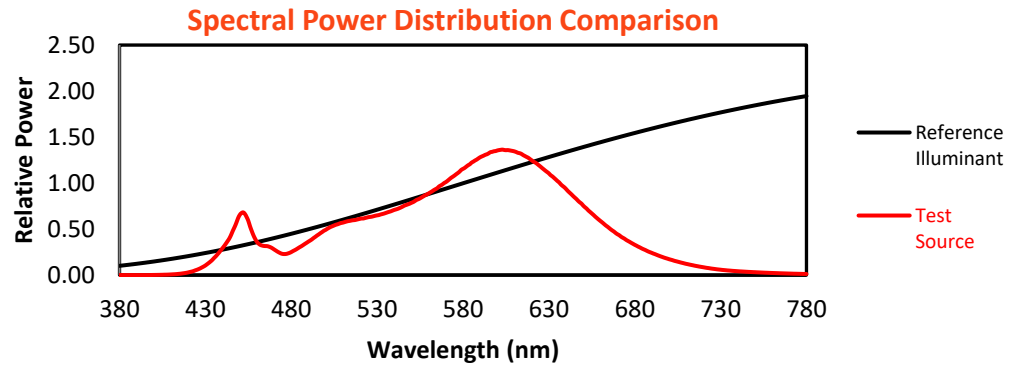
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	267	NR	620	915	NR	750	23	NR	880	0	NR
365	0	NR	495	315	NR	625	866	NR	755	20	NR	885	0	NR
370	0	NR	500	360	NR	630	811	NR	760	17	NR	890	0	NR
375	0	NR	505	396	NR	635	750	NR	765	14	NR	895	0	NR
380	0	NR	510	418	NR	640	686	NR	770	12	NR	900	0	NR
385	0	NR	515	435	NR	645	619	NR	775	10	NR	905	0	NR
390	0	NR	520	448	NR	650	554	NR	780	9	NR	910	0	NR
395	0	NR	525	462	NR	655	491	NR	785	7	NR	915	0	NR
400	1	NR	530	476	NR	660	431	NR	790	6	NR	920	0	NR
405	2	NR	535	495	NR	665	376	NR	795	5	NR	925	0	NR
410	5	NR	540	520	NR	670	325	NR	800	4	NR	930	0	NR
415	10	NR	545	547	NR	675	280	NR	805	4	NR	935	0	NR
420	21	NR	550	576	NR	680	241	NR	810	3	NR	940	0	NR
425	42	NR	555	612	NR	685	207	NR	815	3	NR	945	0	NR
430	77	NR	560	651	NR	690	176	NR	820	2	NR	950	0	NR
435	135	NR	565	693	NR	695	149	NR	825	2	NR	955	0	NR
440	215	NR	570	741	NR	700	127	NR	830	2	NR	960	0	NR
445	321	NR	575	793	NR	705	107	NR	835	2	NR	965	0	NR
450	479	NR	580	847	NR	710	89	NR	840	1	NR	970	0	NR
455	432	NR	585	897	NR	715	75	NR	845	1	NR	975	0	NR
460	265	NR	590	940	NR	720	62	NR	850	1	NR	980	0	NR
465	231	NR	595	971	NR	725	51	NR	855	1	NR	985	0	NR
470	204	NR	600	993	NR	730	43	NR	860	1	NR	990	0	NR
475	168	NR	605	996	NR	735	36	NR	865	1	NR	995	0	NR
480	183	NR	610	986	NR	740	31	NR	870	1	NR	1000	0	NR
485	223	NR	615	957	NR	745	26	NR	875	0	NR			

REPORT NUMBER: SP1-2411-284-4

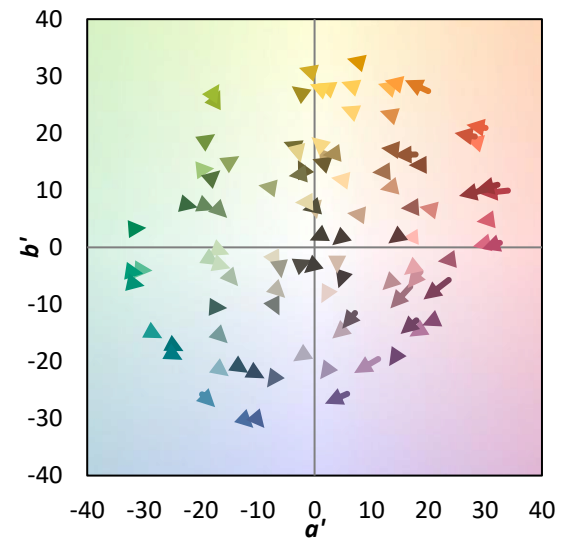
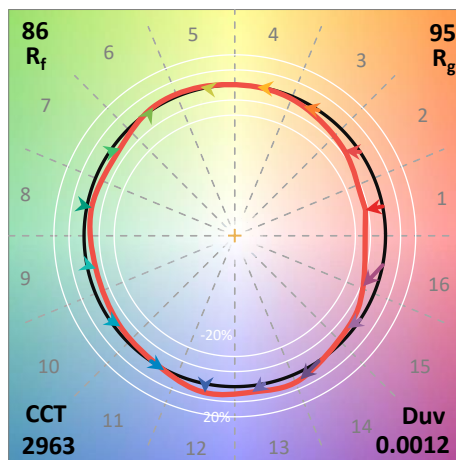
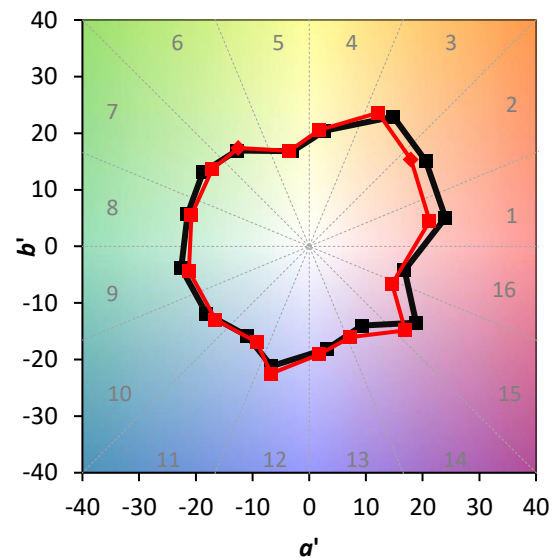
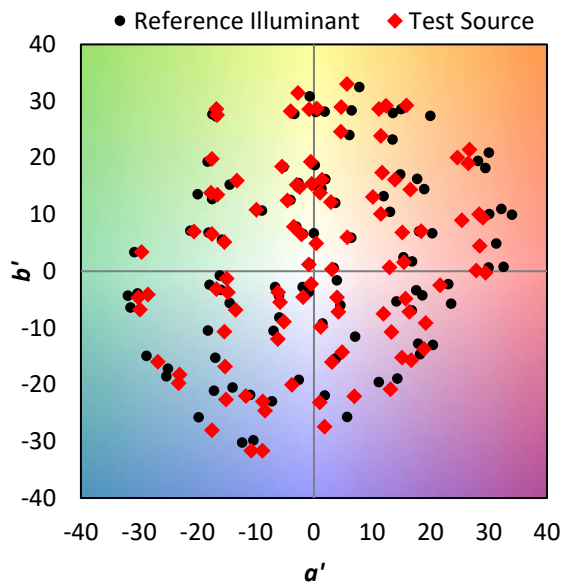
TM-30-18

Summary

$R_f = 86.1$
 $R_g = 94.9$
 $CIE R_a = 82.9$
 $R_9 = 3.9$

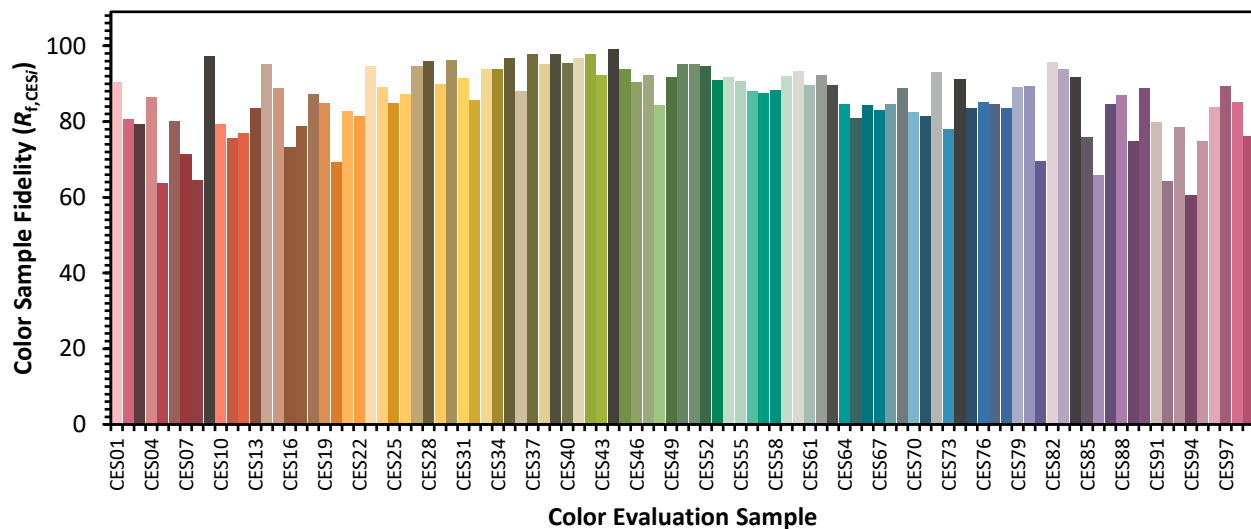


Color Vector Graphics

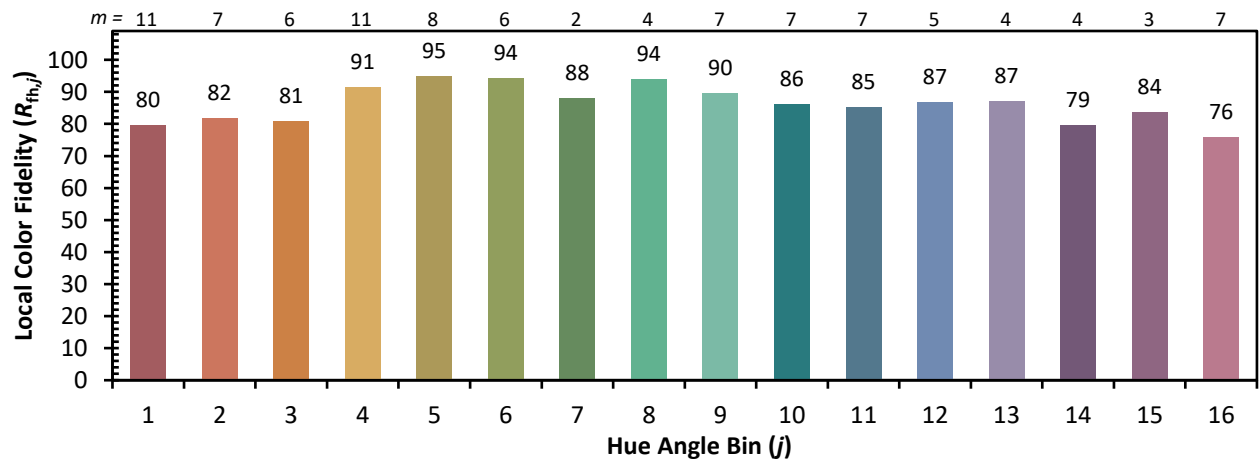
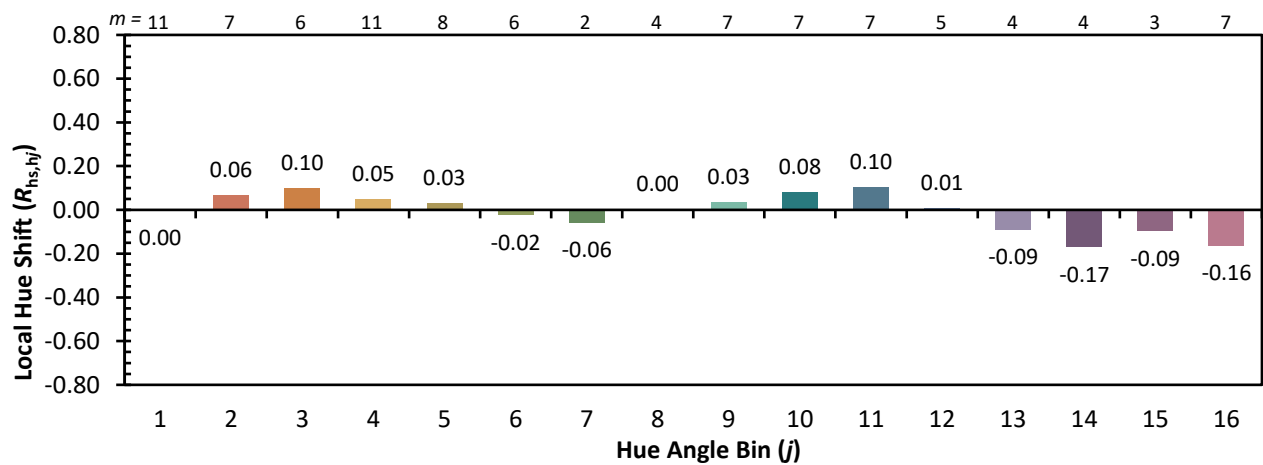
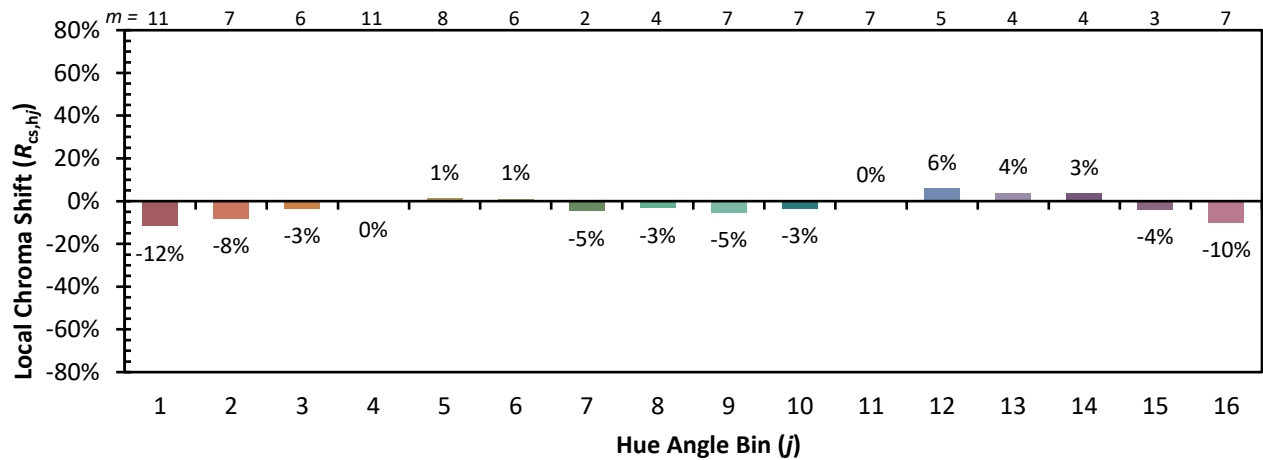


Individual Sample Fidelity Index ($R_{f,i}$)

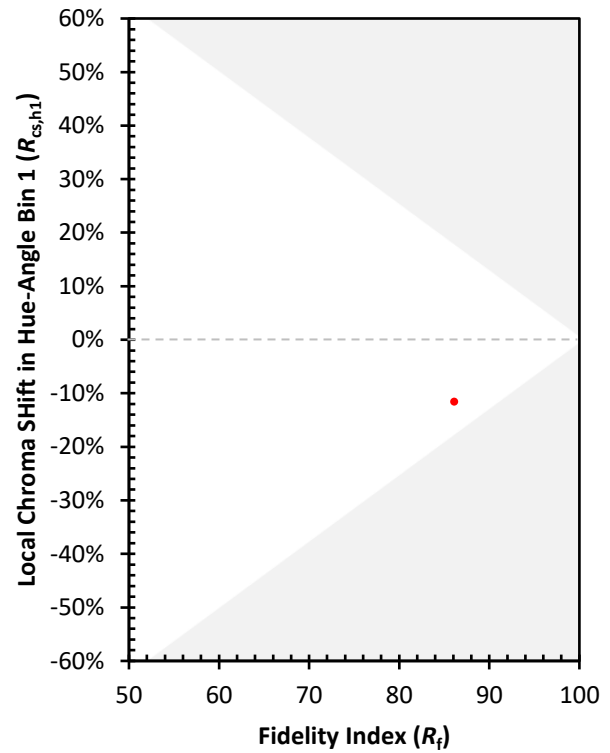
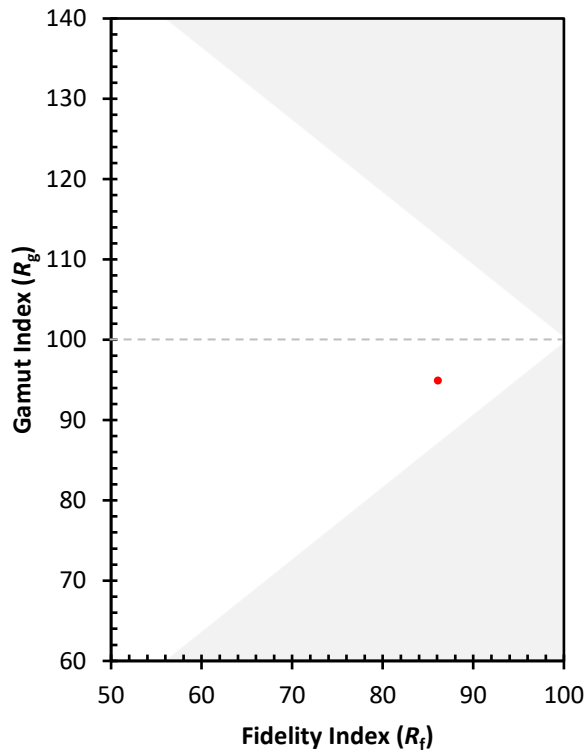
CES01 = 86	CES26 = 87	CES51 = 95	CES76 = 85
CES02 = 63	CES27 = 95	CES52 = 95	CES77 = 85
CES03 = 31	CES28 = 96	CES53 = 91	CES78 = 83
CES04 = 70	CES29 = 90	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 96	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 92	CES56 = 88	CES81 = 70
CES07 = 42	CES32 = 86	CES57 = 87	CES82 = 96
CES08 = 41	CES33 = 94	CES58 = 88	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 92	CES84 = 92
CES10 = 76	CES35 = 97	CES60 = 93	CES85 = 76
CES11 = 59	CES36 = 88	CES61 = 90	CES86 = 66
CES12 = 65	CES37 = 98	CES62 = 92	CES87 = 85
CES13 = 44	CES38 = 95	CES63 = 90	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 85	CES89 = 75
CES15 = 72	CES40 = 96	CES65 = 81	CES90 = 89
CES16 = 48	CES41 = 97	CES66 = 84	CES91 = 80
CES17 = 50	CES42 = 98	CES67 = 83	CES92 = 64
CES18 = 57	CES43 = 92	CES68 = 85	CES93 = 79
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 61
CES20 = 67	CES45 = 94	CES70 = 83	CES95 = 75
CES21 = 87	CES46 = 91	CES71 = 81	CES96 = 84
CES22 = 79	CES47 = 92	CES72 = 93	CES97 = 89
CES23 = 92	CES48 = 84	CES73 = 78	CES98 = 85
CES24 = 91	CES49 = 92	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 95	CES75 = 84	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)