

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: P1445207

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

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445207
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-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 42W 80CRI 3000K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3365.5 lumens
Efficiency: N/A
Efficacy: 79.9 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

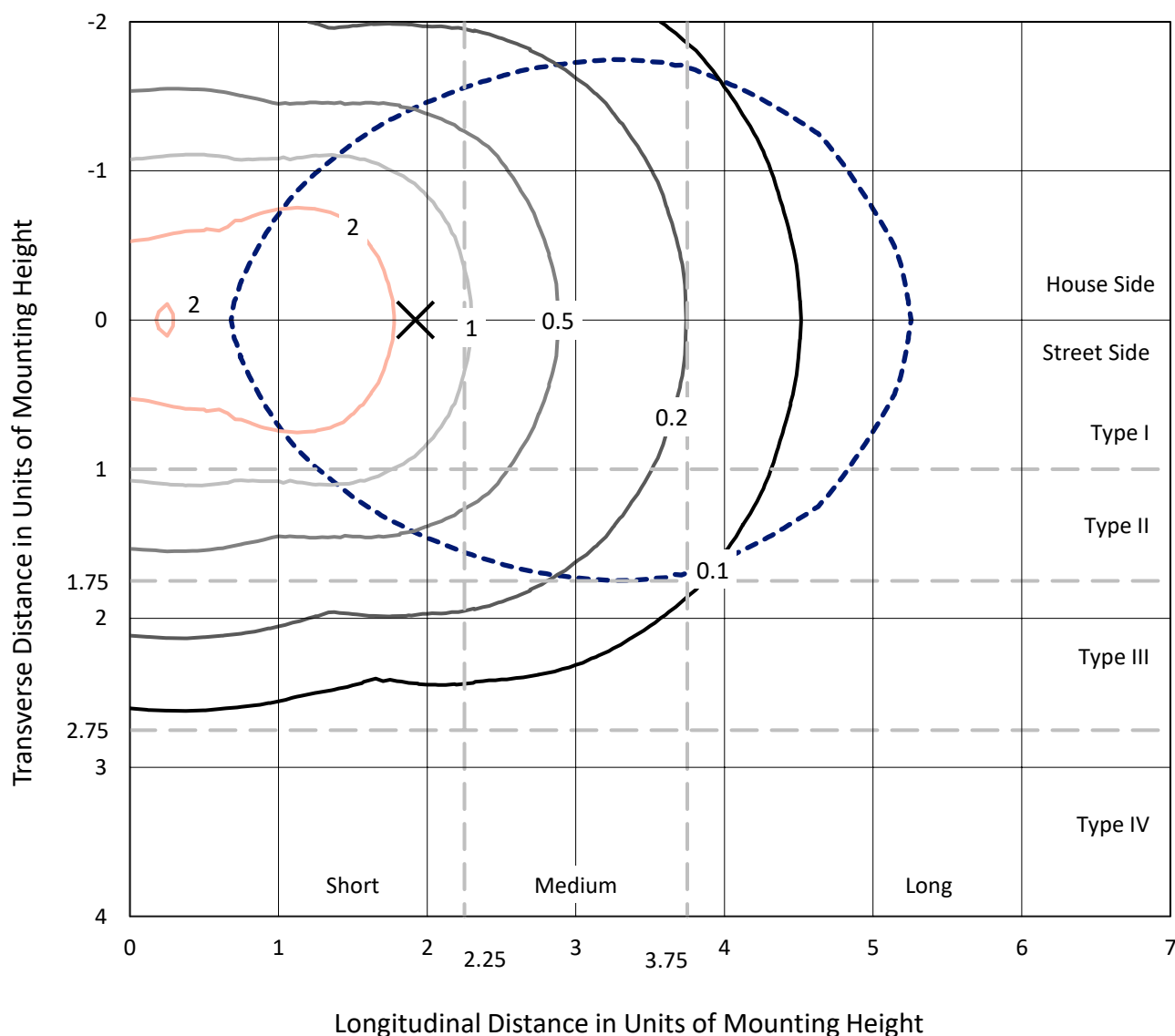
REPORT NUMBER: P1445207

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

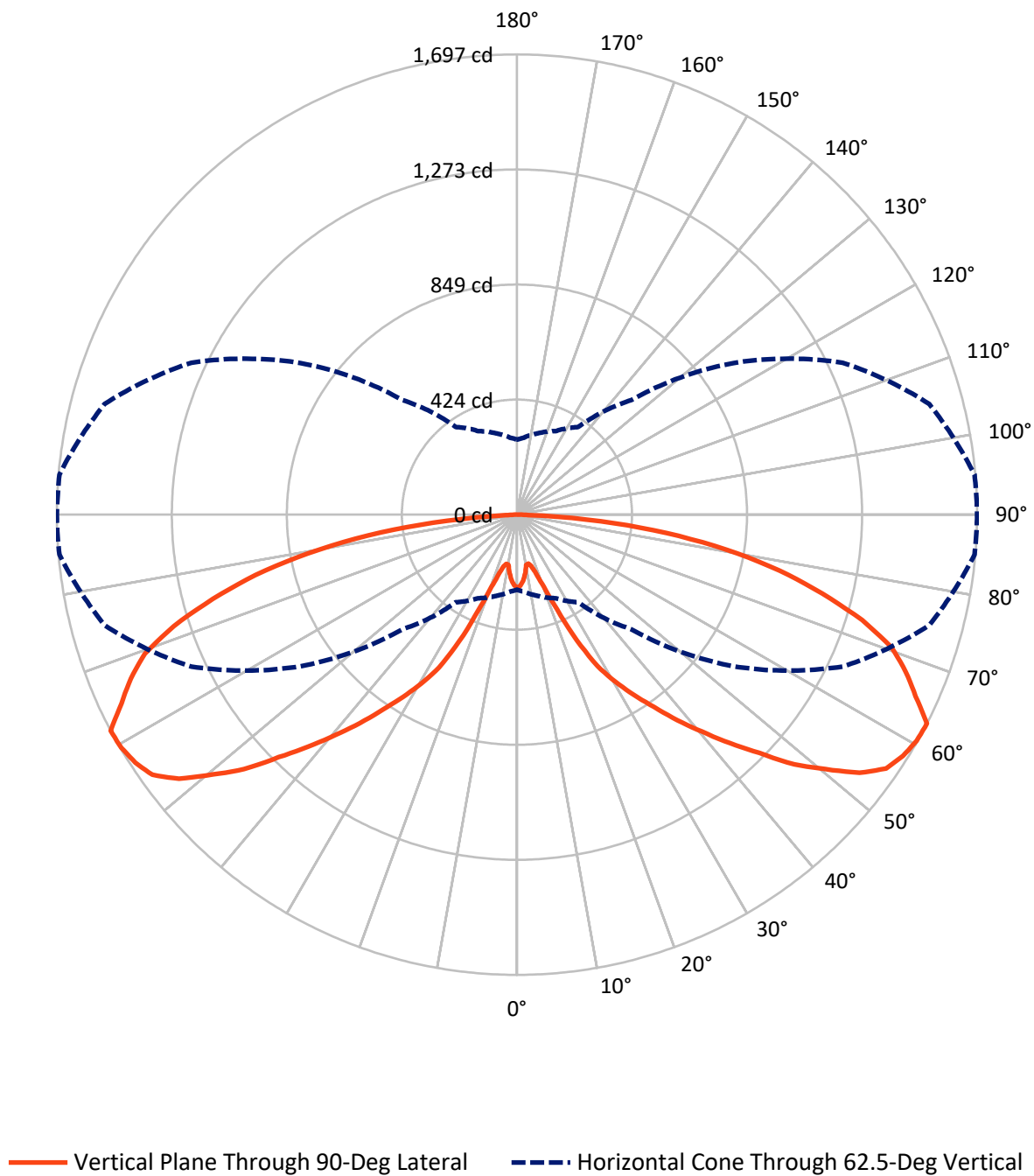


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

REPORT NUMBER: P1445207

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

Luminous Intensity Polar Plot



REPORT NUMBER: P1445207

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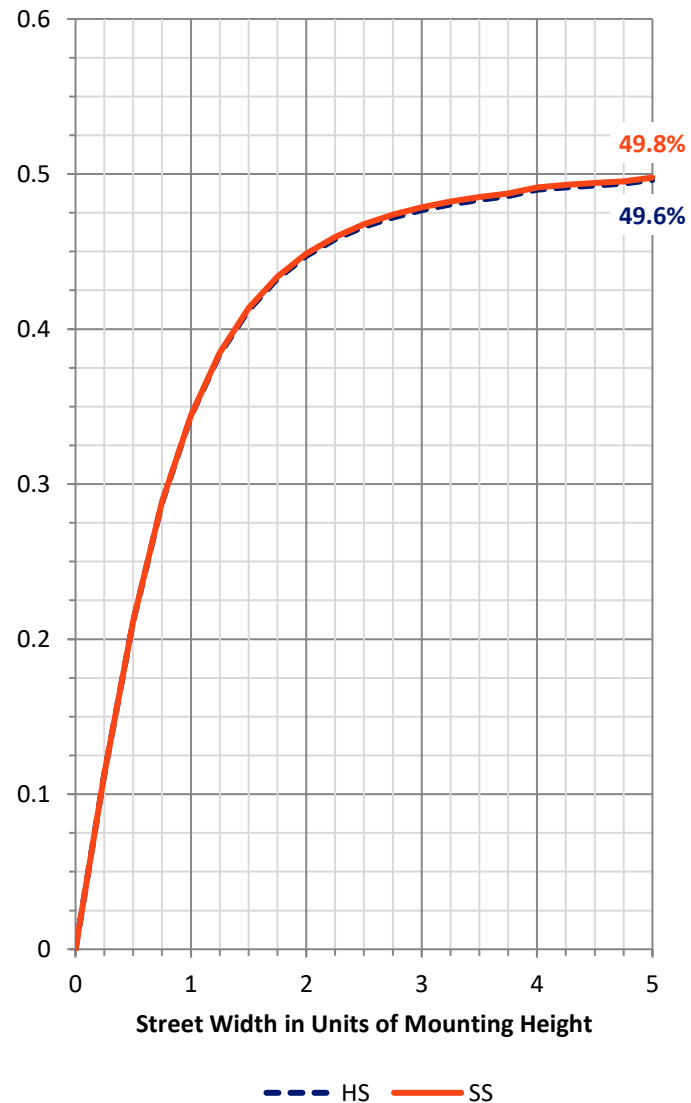
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1682.7	0.0	1682.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1682.8	0.0	1682.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3365.5	0.0	3365.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.7
10°-20°	70.7	2.1
20°-30°	166.7	5.0
30°-40°	320.0	9.5
40°-50°	524.7	15.6
50°-60°	739.4	22.0
60°-70°	783.9	23.3
70°-80°	576.5	17.1
80°-90°	159.6	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°	3365.5	100.0
0°-180°	3365.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1445207

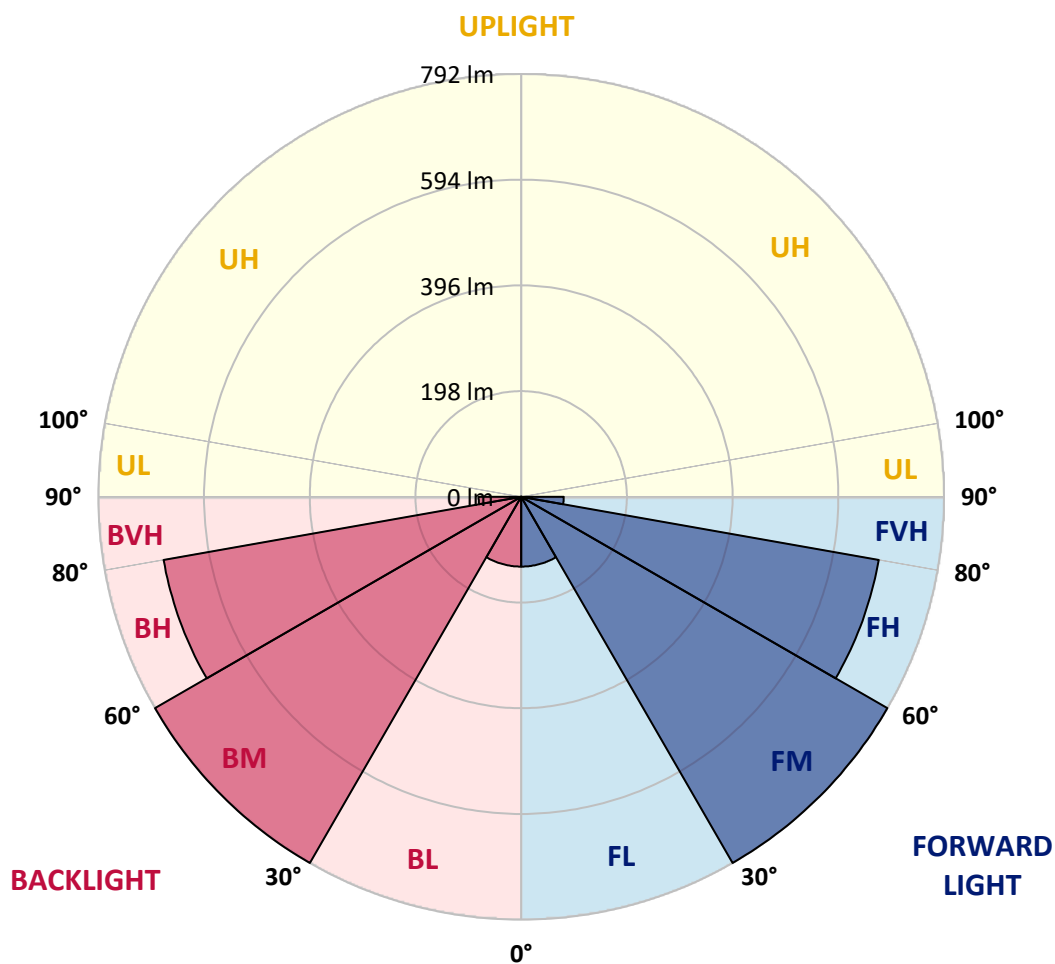
CATALOG NUMBER: TPTN-VA2-830-U-RW-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.7	3.9			
FM	(30°-60°)	792.1	23.5			
FH	(60°-80°)	680.2	20.2			G1/1800
FVH	(80°-90°)	79.8	2.4			G1/100
BL	(0°-30°)	130.7	3.9	B1/500		
BM	(30°-60°)	792.1	23.5	B1/1000		
BH	(60°-80°)	680.2	20.2	B2/1000		G2/1000
BVH	(80°-90°)	79.8	2.4			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: P1445207

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

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	274.1	274.1	274.1	274.1	274.1	273.5	273.5	273.5	272.8	272.8	272.2
5°	276.6	276.6	276.6	276.6	275.9	275.9	275.3	274.7	274.1	272.8	272.2
7.5°	271.6	271.6	271.6	271.0	271.0	270.4	269.8	268.5	267.9	266.7	265.4
10°	264.8	264.2	263.6	263.0	263.0	262.4	261.7	260.5	259.3	258.0	256.8
12.5°	264.2	264.2	263.6	263.6	263.0	263.0	262.4	261.1	260.5	259.3	258.0
15°	271.0	271.0	271.0	271.0	271.0	270.4	270.4	269.8	268.5	267.9	266.7
17.5°	275.3	275.3	275.3	275.9	276.6	276.6	277.2	277.2	277.2	277.2	277.2
20°	275.3	275.3	275.3	276.6	277.8	278.4	279.6	280.9	282.1	283.3	284.6
22.5°	276.6	277.2	277.2	279.0	280.3	282.1	283.3	285.2	287.7	289.5	291.4
25°	284.0	284.0	284.0	285.8	287.7	288.9	290.8	293.2	295.7	297.5	300.0
27.5°	290.8	291.4	292.0	293.8	296.3	298.2	300.0	303.1	306.8	309.9	313.0
30°	291.4	292.0	292.6	295.7	298.8	301.9	304.9	309.9	315.4	320.4	325.3
32.5°	292.0	293.2	293.8	297.5	301.2	304.3	308.0	314.2	321.0	327.2	333.3
35°	296.3	298.2	299.4	303.1	307.4	311.1	314.8	321.6	328.4	335.2	342.0
37.5°	300.6	302.5	304.3	308.7	313.6	317.9	322.2	329.6	337.7	345.1	352.5
40°	303.7	306.2	308.0	313.6	318.5	324.1	329.0	337.7	346.3	355.0	363.6
42.5°	307.4	309.9	312.4	317.9	323.5	328.4	334.0	343.2	352.5	361.7	371.0
45°	313.0	315.4	317.9	323.5	329.6	335.2	340.8	350.6	360.5	369.8	379.6
47.5°	317.3	319.8	321.6	327.8	334.6	340.8	346.9	356.8	367.3	377.2	387.1
50°	317.9	321.0	323.5	330.3	336.4	343.2	349.4	359.9	371.0	381.5	392.0
52.5°	316.7	319.8	322.9	330.3	337.0	344.5	351.2	362.4	373.5	384.6	395.7
55°	311.7	314.8	317.3	324.7	332.1	339.5	346.9	358.7	369.8	381.5	392.6
57.5°	304.9	308.0	311.1	317.9	324.1	330.9	337.0	347.5	358.7	369.1	379.6
60°	295.7	298.8	301.9	308.0	314.2	319.8	325.9	334.6	343.2	351.2	359.9
62.5°	276.6	280.9	284.6	291.4	298.2	304.3	311.1	318.5	325.9	332.7	340.1
65°	253.1	257.4	261.7	267.9	274.1	280.3	286.4	294.5	303.1	311.1	319.1
67.5°	230.9	234.6	238.3	243.2	248.8	253.7	258.7	266.7	275.3	283.3	291.4
70°	206.8	211.1	214.8	219.1	223.5	227.2	231.5	238.3	245.1	251.2	258.0
72.5°	177.8	182.1	185.8	190.1	193.8	198.2	201.9	207.4	212.4	217.9	222.8
75°	146.3	150.6	154.3	158.0	162.4	166.1	169.8	173.5	177.8	181.5	185.2
77.5°	112.3	116.1	119.8	123.5	127.8	131.5	135.2	138.3	141.4	143.8	146.9
80°	80.9	84.0	87.0	90.1	93.2	95.7	98.8	101.2	103.1	105.6	107.4
82.5°	46.9	50.6	54.3	57.4	60.5	63.0	66.1	67.3	69.1	70.4	71.6
85°	21.0	24.7	27.8	30.2	32.7	34.6	37.0	38.3	39.5	40.1	41.4
87.5°	4.3	7.4	9.9	12.3	14.8	16.7	19.1	19.1	19.8	19.8	19.8
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	272.2	271.6	271.6	271.0	270.4	269.8	269.1	268.5	267.9	267.9	267.3
5°	271.0	270.4	269.1	267.9	266.7	264.8	263.6	261.7	259.9	258.7	256.8
7.5°	264.2	262.4	261.1	259.3	257.4	255.6	253.7	251.9	249.4	247.5	245.1
10°	255.6	253.7	252.5	250.6	248.2	246.3	243.8	241.4	238.3	235.2	232.1
12.5°	256.2	254.3	251.9	250.0	247.5	245.7	243.2	240.7	237.7	234.6	231.5
15°	264.8	263.0	261.1	259.3	256.8	253.7	251.2	248.2	245.1	242.0	238.3
17.5°	275.9	275.3	274.1	272.8	269.8	267.3	264.2	261.1	258.0	254.9	251.2
20°	285.2	286.4	287.0	287.7	285.8	284.0	282.1	280.3	277.8	275.3	272.8
22.5°	293.8	296.3	298.8	301.2	301.2	301.9	301.9	301.9	301.9	302.5	302.5
25°	303.7	306.8	310.5	313.6	316.1	319.1	321.6	324.1	327.8	332.1	335.8
27.5°	317.3	321.0	325.3	329.0	332.7	337.0	340.8	344.5	353.1	362.4	371.0
30°	330.9	336.4	341.4	346.9	350.6	355.0	358.7	362.4	375.9	388.9	402.5
32.5°	340.8	348.2	355.6	363.0	368.5	373.5	379.0	384.0	401.9	419.8	437.7
35°	350.0	358.7	366.7	374.7	382.7	390.8	398.8	406.8	429.0	450.6	472.9
37.5°	360.5	369.1	377.2	385.2	396.3	407.4	418.5	429.6	456.2	482.7	509.3
40°	372.2	380.9	388.9	397.5	410.5	423.5	435.8	448.8	483.3	517.9	551.9
42.5°	380.3	390.1	399.4	408.7	424.1	439.5	455.0	470.4	513.6	556.2	599.4
45°	390.1	400.0	410.5	420.4	440.1	459.3	479.0	498.2	549.4	601.3	652.5
47.5°	397.5	408.7	419.2	429.6	454.3	479.0	503.1	527.8	588.9	650.0	710.5
50°	403.1	413.6	424.7	435.2	464.2	493.2	521.6	550.6	622.2	693.9	764.8
52.5°	406.8	418.5	429.6	440.8	474.1	507.4	540.8	574.1	653.1	732.7	811.8
55°	405.0	416.7	429.0	440.8	479.6	519.2	558.0	596.9	682.1	767.9	853.1
57.5°	392.6	405.0	417.9	430.3	473.5	516.7	559.9	603.1	694.5	785.2	876.6
60°	373.5	387.1	400.0	413.6	460.5	506.8	553.7	600.0	693.2	786.4	879.0
62.5°	353.7	367.3	380.9	394.5	445.1	496.3	546.9	597.6	692.0	786.4	880.3
65°	331.5	343.2	355.6	367.3	419.8	472.2	524.7	577.2	671.0	764.8	858.7
67.5°	303.1	314.8	326.6	338.3	392.0	445.7	498.8	552.5	639.5	726.6	813.0
70°	271.0	284.0	296.9	309.9	363.0	415.4	468.5	521.0	600.0	678.4	757.4
72.5°	235.8	249.4	262.4	275.3	325.9	377.2	427.8	478.4	550.6	622.2	694.5
75°	197.5	209.9	222.2	234.6	280.3	325.3	371.0	416.1	481.5	547.5	613.0
77.5°	157.4	167.9	178.4	188.9	227.8	266.1	304.9	343.2	397.5	451.2	505.6
80°	116.7	125.9	135.2	144.4	174.1	203.7	233.3	263.0	305.6	348.2	390.1
82.5°	78.4	85.2	92.0	98.8	119.1	139.5	159.3	179.6	209.9	240.7	271.0
85°	44.4	48.1	51.2	54.3	63.6	72.2	81.5	90.1	104.9	120.4	135.2
87.5°	19.8	20.4	20.4	20.4	20.4	20.4	20.4	20.4	21.0	21.0	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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	266.7	266.1	265.4	264.8	264.2	264.2	263.6	263.6	263.0	262.4	262.4
5°	254.9	253.7	252.5	250.6	249.4	248.2	247.5	246.3	245.1	245.1	244.5
7.5°	242.6	240.1	237.7	235.2	232.7	230.3	228.4	225.9	223.5	222.8	221.6
10°	229.0	225.3	221.6	217.3	213.6	209.9	206.2	201.9	198.2	195.7	193.8
12.5°	228.4	224.7	221.0	217.3	213.6	209.9	206.2	201.9	198.2	195.7	192.6
15°	235.2	232.1	229.0	225.3	222.2	219.1	216.1	212.4	209.3	206.8	203.7
17.5°	248.2	246.3	244.5	242.0	240.1	238.3	236.4	234.6	232.7	230.9	229.6
20°	270.4	270.4	270.4	270.4	270.4	272.2	274.1	275.3	277.2	279.0	280.3
22.5°	302.5	306.2	309.3	313.0	316.1	324.1	331.5	339.5	346.9	353.7	361.1
25°	339.5	350.0	360.5	370.4	380.9	398.8	416.7	434.0	451.9	466.1	480.3
27.5°	379.6	397.5	415.4	432.7	450.6	476.6	503.1	529.0	555.0	572.2	590.1
30°	415.4	439.5	463.6	487.1	511.1	542.6	574.7	606.2	637.7	656.2	674.7
32.5°	455.6	485.8	516.7	546.9	577.2	611.1	645.1	679.0	713.0	732.1	750.6
35°	494.5	532.7	571.0	608.7	646.9	683.4	720.4	756.8	793.2	813.0	832.7
37.5°	535.8	582.7	629.7	676.6	723.5	763.0	801.9	841.4	880.3	899.4	917.9
40°	586.4	640.1	694.5	748.2	801.9	844.5	887.1	929.7	972.3	991.4	1011.1
42.5°	642.0	703.1	763.6	824.7	885.2	931.5	978.4	1024.7	1071.0	1090.2	1109.3
45°	703.7	772.9	842.6	911.8	980.9	1029.0	1077.2	1124.7	1172.9	1193.3	1213.0
47.5°	771.6	846.9	922.3	996.9	1072.3	1124.1	1176.6	1228.4	1280.3	1303.1	1326.6
50°	836.4	918.5	1000.7	1082.8	1164.9	1219.2	1273.5	1327.8	1382.1	1403.8	1424.7
52.5°	890.8	982.1	1074.1	1165.5	1256.8	1310.5	1364.9	1418.6	1472.3	1497.6	1523.5
55°	938.3	1030.3	1122.9	1214.9	1306.8	1365.5	1424.7	1483.4	1542.0	1566.1	1590.8
57.5°	967.3	1061.1	1154.4	1248.2	1341.4	1398.2	1455.0	1511.8	1568.6	1592.6	1617.3
60°	972.3	1067.3	1162.4	1256.8	1351.9	1405.0	1457.5	1510.5	1563.0	1592.6	1622.3
62.5°	974.7	1062.4	1150.0	1237.7	1325.4	1387.7	1450.0	1512.4	1574.7	1604.4	1634.6
65°	952.5	1040.2	1127.2	1214.9	1301.9	1361.2	1419.8	1479.1	1537.7	1556.2	1574.7
67.5°	900.0	990.2	1079.7	1169.8	1259.3	1302.5	1345.1	1388.3	1430.9	1455.0	1479.1
70°	835.8	918.5	1001.9	1084.6	1167.3	1209.9	1253.1	1295.7	1338.3	1367.3	1397.0
72.5°	766.1	835.8	906.2	976.0	1045.7	1093.2	1140.8	1187.7	1235.2	1259.3	1283.4
75°	678.4	738.9	798.8	859.3	919.2	959.9	1000.0	1040.8	1080.9	1101.3	1121.6
77.5°	559.3	611.7	663.6	716.1	767.9	801.9	835.8	869.2	903.1	921.6	939.5
80°	432.7	474.7	516.7	558.0	600.0	629.7	659.3	688.3	717.9	732.1	746.3
82.5°	301.2	330.9	360.5	390.1	419.8	442.6	465.4	488.3	511.1	521.0	531.5
85°	150.0	166.7	183.3	199.4	216.1	232.1	248.2	263.6	279.6	286.4	293.2
87.5°	21.6	22.8	24.1	24.7	25.9	27.2	29.0	30.2	31.5	35.2	38.9
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	261.7	261.1	261.1	261.1	261.1	261.1	261.7	262.4	262.4	263.0	263.6
5°	244.5	243.8	243.8	243.8	243.8	243.8	244.5	244.5	245.1	245.1	246.3
7.5°	221.0	219.8	219.1	218.5	219.1	219.8	221.0	221.6	222.8	223.5	225.9
10°	191.4	188.9	188.9	188.3	188.9	188.9	191.4	193.8	195.7	198.2	201.9
12.5°	190.1	187.0	186.4	185.2	186.4	187.0	190.1	192.6	195.7	198.2	201.9
15°	201.2	198.2	197.5	196.3	197.5	198.2	201.2	203.7	206.8	209.3	212.4
17.5°	227.8	225.9	226.6	227.2	226.6	225.9	227.8	229.6	230.9	232.7	234.6
20°	282.1	283.3	283.3	282.7	283.3	283.3	282.1	280.3	279.0	277.2	275.3
22.5°	367.9	374.7	377.8	380.3	377.8	374.7	367.9	361.1	353.7	346.9	339.5
25°	493.8	508.0	510.5	513.0	510.5	508.0	493.8	480.3	466.1	451.9	434.0
27.5°	607.4	624.7	629.0	632.7	629.0	624.7	607.4	589.5	572.2	555.0	529.0
30°	692.6	711.1	713.6	715.5	713.6	711.1	692.6	674.1	656.2	637.7	606.2
32.5°	769.8	788.3	790.2	792.0	790.2	788.3	769.2	750.6	732.1	713.0	679.0
35°	851.9	871.6	871.6	871.0	871.6	871.6	851.9	832.1	813.0	793.2	756.8
37.5°	937.1	955.6	959.3	962.4	959.3	955.6	936.5	917.9	899.4	880.3	841.4
40°	1030.3	1049.4	1051.3	1052.5	1051.3	1049.4	1030.3	1010.5	991.4	972.3	929.7
42.5°	1127.8	1147.0	1149.4	1151.9	1149.4	1147.0	1127.8	1108.7	1090.2	1071.0	1024.7
45°	1233.4	1253.1	1253.7	1253.7	1253.7	1253.1	1232.8	1213.0	1193.3	1172.9	1124.7
47.5°	1349.4	1372.3	1374.1	1376.0	1374.1	1372.3	1349.4	1326.0	1303.1	1280.3	1228.4
50°	1446.3	1467.3	1471.7	1475.4	1471.7	1467.3	1445.7	1424.7	1403.8	1382.1	1327.8
52.5°	1548.8	1574.1	1577.8	1581.5	1577.8	1574.1	1548.8	1522.9	1497.6	1472.3	1418.6
55°	1614.9	1638.9	1645.7	1651.9	1645.7	1638.9	1614.9	1590.2	1566.1	1542.0	1483.4
57.5°	1641.4	1665.5	1672.3	1678.5	1672.3	1665.5	1641.4	1616.7	1592.6	1568.6	1511.8
60°	1651.3	1680.9	1687.1	1693.3	1687.1	1680.9	1651.3	1621.7	1592.6	1563.0	1510.5
62.5°	1664.3	1693.9	1695.7	1697.0	1695.7	1693.9	1664.3	1634.0	1604.4	1574.7	1512.4
65°	1592.6	1611.2	1613.6	1615.5	1613.6	1611.2	1592.6	1574.1	1556.2	1537.7	1479.1
67.5°	1502.5	1526.6	1537.1	1547.0	1536.5	1526.6	1502.5	1478.4	1455.0	1430.9	1388.3
70°	1426.0	1455.0	1460.5	1465.5	1460.5	1455.0	1426.0	1396.3	1367.3	1338.3	1295.7
72.5°	1307.5	1331.5	1331.5	1331.5	1331.5	1331.5	1307.5	1283.4	1259.3	1235.2	1187.7
75°	1142.0	1162.4	1163.0	1163.6	1163.0	1162.4	1142.0	1121.6	1101.3	1080.9	1040.8
77.5°	958.1	976.0	983.4	990.2	983.4	976.0	957.4	939.5	921.6	903.1	869.2
80°	760.5	774.7	779.7	784.6	779.7	774.7	760.5	746.3	732.1	717.9	688.3
82.5°	541.4	551.3	553.7	556.2	553.7	551.3	541.4	531.5	521.0	511.1	488.3
85°	299.4	306.2	308.7	310.5	308.7	306.2	299.4	293.2	286.4	279.6	263.6
87.5°	42.0	45.7	43.8	42.0	43.8	45.7	42.0	38.9	35.2	31.5	30.2
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	263.6	264.2	264.2	264.8	265.4	266.1	266.7	267.3	267.9	267.9	268.5
5°	247.5	248.2	249.4	250.6	252.5	253.7	254.9	256.8	258.7	259.9	261.7
7.5°	228.4	230.3	232.7	235.2	237.7	240.1	242.6	245.1	247.5	249.4	251.9
10°	206.2	209.9	213.6	217.3	221.6	225.3	229.0	232.1	235.2	238.3	241.4
12.5°	206.2	209.9	213.6	217.3	221.0	224.7	228.4	231.5	234.6	237.7	240.7
15°	216.1	219.1	222.2	225.3	229.0	232.1	235.2	238.3	242.0	245.1	248.2
17.5°	236.4	238.3	240.1	242.0	244.5	246.3	248.2	251.2	254.9	258.0	261.1
20°	274.1	272.2	270.4	270.4	270.4	270.4	270.4	272.8	275.3	277.8	280.3
22.5°	331.5	324.1	316.1	313.0	309.3	306.2	302.5	302.5	302.5	301.9	301.9
25°	416.7	398.8	380.9	370.4	359.9	350.0	339.5	335.8	332.1	327.8	324.1
27.5°	503.1	476.6	450.6	432.7	414.8	397.5	379.6	371.0	362.4	353.1	344.5
30°	574.7	542.6	511.1	487.1	463.0	439.5	415.4	401.9	388.9	375.9	362.4
32.5°	645.1	611.1	577.2	546.9	516.1	485.8	455.6	437.7	419.8	401.9	384.0
35°	720.4	683.4	646.9	608.7	570.4	532.7	494.5	472.2	450.6	429.0	406.8
37.5°	801.9	763.0	723.5	676.6	629.7	582.7	535.8	509.3	482.7	456.2	429.6
40°	887.1	844.5	801.9	748.2	693.9	640.1	586.4	551.9	517.9	483.3	448.8
42.5°	978.4	931.5	885.2	824.1	763.6	702.5	642.0	598.8	556.2	513.6	470.4
45°	1077.2	1029.0	980.9	911.8	842.0	772.9	703.7	652.5	601.3	549.4	498.2
47.5°	1176.6	1124.1	1072.3	996.9	921.6	846.9	771.6	710.5	650.0	588.9	527.8
50°	1273.5	1219.2	1164.9	1082.8	1000.7	918.5	836.4	764.8	693.9	622.2	550.6
52.5°	1364.9	1310.5	1256.8	1165.5	1073.5	982.1	890.8	811.8	732.7	653.1	574.1
55°	1424.7	1365.5	1306.8	1214.9	1122.3	1030.3	938.3	853.1	767.9	682.1	596.9
57.5°	1455.0	1398.2	1341.4	1247.6	1154.4	1060.5	967.3	876.0	785.2	694.5	603.1
60°	1457.5	1405.0	1351.9	1256.8	1161.8	1067.3	972.3	879.0	786.4	693.2	600.0
62.5°	1450.0	1387.7	1325.4	1237.7	1150.0	1062.4	974.7	880.3	786.4	692.0	597.6
65°	1419.8	1361.2	1301.9	1214.2	1127.2	1039.5	952.5	858.7	764.8	671.0	577.2
67.5°	1345.1	1302.5	1259.3	1169.2	1079.7	989.5	900.0	813.0	726.6	639.5	552.5
70°	1253.1	1209.9	1167.3	1084.6	1001.3	918.5	835.8	756.8	678.4	600.0	521.0
72.5°	1140.8	1093.2	1045.7	976.0	905.6	835.8	766.1	693.9	622.2	550.6	478.4
75°	1000.0	959.9	919.2	858.7	798.8	738.3	678.4	613.0	547.5	481.5	416.1
77.5°	835.8	801.9	767.9	715.5	663.6	611.1	559.3	505.0	451.2	397.5	343.2
80°	659.3	629.7	600.0	558.0	516.1	474.7	432.7	390.1	348.2	305.6	263.0
82.5°	465.4	442.6	419.8	390.1	360.5	330.9	301.2	271.0	240.7	209.9	179.6
85°	248.2	232.1	216.1	199.4	182.7	166.7	150.0	135.2	120.4	104.9	90.1
87.5°	29.0	27.2	25.9	24.7	24.1	22.8	21.6	21.6	21.0	21.0	20.4
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	269.1	269.8	270.4	271.0	271.6	271.6	272.2	272.2	272.8	272.8	273.5
5°	263.6	264.8	266.7	267.9	269.1	270.4	271.0	272.2	272.8	274.1	274.7
7.5°	253.7	255.6	257.4	259.3	261.1	262.4	264.2	265.4	266.7	267.9	268.5
10°	243.8	246.3	248.2	250.6	252.5	253.7	255.6	256.8	258.0	259.3	260.5
12.5°	243.2	245.7	247.5	250.0	251.9	254.3	256.2	258.0	259.3	260.5	261.1
15°	251.2	253.7	256.8	259.3	261.1	263.0	264.8	266.7	267.9	268.5	269.8
17.5°	264.2	267.3	269.8	272.8	274.1	275.3	275.9	277.2	277.2	277.2	277.2
20°	282.1	284.0	285.8	287.7	287.0	286.4	285.2	284.6	283.3	282.1	280.9
22.5°	301.9	301.9	301.2	301.2	298.8	296.3	293.8	291.4	289.5	287.7	285.2
25°	321.6	319.1	316.1	313.6	310.5	306.8	303.7	300.0	297.5	295.7	293.2
27.5°	340.8	337.0	332.7	329.0	325.3	321.0	317.3	313.0	309.9	306.8	303.1
30°	358.7	355.0	350.6	346.9	341.4	336.4	330.9	325.3	320.4	315.4	309.9
32.5°	379.0	373.5	368.5	363.0	355.6	348.2	340.8	333.3	327.2	321.0	314.2
35°	398.8	390.8	382.7	374.7	366.7	358.7	350.0	342.0	335.2	328.4	321.6
37.5°	418.5	407.4	396.3	385.2	377.2	369.1	360.5	352.5	345.1	337.7	329.6
40°	435.8	423.5	410.5	397.5	388.9	380.9	372.2	363.6	355.0	346.3	337.7
42.5°	455.0	439.5	424.1	408.7	399.4	390.1	380.3	371.0	361.7	352.5	343.2
45°	479.0	459.3	440.1	420.4	410.5	400.0	390.1	379.6	369.8	360.5	350.6
47.5°	503.1	479.0	454.3	429.6	419.2	408.7	397.5	387.1	377.2	367.3	356.8
50°	521.6	493.2	464.2	435.2	424.7	413.6	403.1	392.0	381.5	371.0	359.9
52.5°	540.8	507.4	474.1	440.8	429.6	418.5	406.8	395.7	384.6	373.5	362.4
55°	558.0	519.2	479.6	440.8	429.0	416.7	405.0	392.6	381.5	369.8	358.7
57.5°	559.9	516.7	473.5	430.3	417.9	405.0	392.6	379.6	369.1	358.7	347.5
60°	553.7	506.8	460.5	413.6	400.0	387.1	373.5	359.9	351.2	343.2	334.6
62.5°	546.9	496.3	445.1	394.5	380.9	367.3	353.7	340.1	332.7	325.9	318.5
65°	524.7	472.2	419.8	367.3	355.6	343.2	331.5	319.1	311.1	303.1	294.5
67.5°	498.8	445.7	392.0	338.3	326.6	314.8	303.1	291.4	283.3	275.3	266.7
70°	468.5	415.4	363.0	309.9	296.9	284.0	271.0	258.0	251.2	245.1	238.3
72.5°	427.8	377.2	325.9	275.3	262.4	249.4	235.8	222.8	217.9	212.4	207.4
75°	371.0	325.3	280.3	234.6	222.2	209.9	197.5	185.2	181.5	177.8	173.5
77.5°	304.9	266.1	227.8	188.9	178.4	167.9	157.4	146.9	143.8	141.4	138.3
80°	233.3	203.7	174.1	144.4	135.2	125.9	116.7	107.4	105.6	103.1	101.2
82.5°	159.3	139.5	119.1	98.8	92.0	85.2	78.4	71.6	70.4	69.1	67.3
85°	81.5	72.2	63.6	54.3	51.2	48.1	44.4	41.4	40.1	39.5	38.3
87.5°	20.4	20.4	20.4	20.4	20.4	20.4	19.8	19.8	19.8	19.8	19.1
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	273.5	273.5	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
5°	275.3	275.9	275.9	276.6	276.6	276.6	276.6	276.6	276.6	276.6	275.9
7.5°	269.8	270.4	271.0	271.0	271.6	271.6	271.6	271.6	271.6	271.0	271.0
10°	261.7	262.4	263.0	263.0	263.6	264.2	264.8	264.2	263.6	263.0	263.0
12.5°	262.4	263.0	263.0	263.6	263.6	264.2	264.2	264.2	263.6	263.6	263.0
15°	270.4	270.4	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
17.5°	277.2	276.6	276.6	275.9	275.3	275.3	275.3	275.3	275.3	275.9	276.6
20°	279.6	278.4	277.8	276.6	275.3	275.3	275.3	275.3	275.3	276.6	277.8
22.5°	283.3	282.1	280.3	279.0	277.2	277.2	276.6	277.2	277.2	279.0	280.3
25°	290.8	288.9	287.7	285.8	284.0	284.0	284.0	284.0	284.0	285.8	287.7
27.5°	300.0	298.2	296.3	293.8	292.0	291.4	290.8	291.4	292.0	293.8	296.3
30°	304.9	301.9	298.8	295.7	292.6	292.0	291.4	292.0	292.6	295.7	298.8
32.5°	308.0	304.3	301.2	297.5	293.8	293.2	292.0	293.2	293.8	297.5	301.2
35°	314.8	311.1	307.4	303.1	299.4	298.2	296.3	298.2	299.4	303.1	307.4
37.5°	322.2	317.9	313.6	308.7	304.3	302.5	300.6	302.5	304.3	308.7	313.6
40°	329.0	324.1	318.5	313.0	308.0	305.6	303.7	306.2	308.0	313.6	318.5
42.5°	334.0	328.4	323.5	317.9	312.4	309.9	307.4	309.9	312.4	317.9	323.5
45°	340.8	335.2	329.6	323.5	317.9	315.4	313.0	315.4	317.9	323.5	329.6
47.5°	346.9	340.8	334.6	327.8	321.6	319.1	317.3	319.8	321.6	327.8	334.6
50°	349.4	343.2	336.4	329.6	323.5	320.4	317.9	321.0	323.5	330.3	336.4
52.5°	351.2	344.5	337.0	329.6	322.9	319.8	316.7	319.8	322.9	330.3	337.0
55°	346.9	339.5	332.1	324.7	317.3	314.2	311.7	314.8	317.3	324.7	332.1
57.5°	337.0	330.9	324.1	317.3	311.1	308.0	304.9	308.0	311.1	317.9	324.1
60°	325.9	319.8	314.2	308.0	301.9	298.8	295.7	298.8	301.9	308.0	314.2
62.5°	311.1	304.3	298.2	291.4	284.6	280.3	276.6	280.9	284.6	291.4	298.2
65°	286.4	280.3	274.1	267.9	261.7	257.4	253.1	257.4	261.7	267.9	274.1
67.5°	258.7	253.7	248.8	243.2	238.3	234.6	230.9	234.6	238.3	243.2	248.8
70°	231.5	227.2	223.5	219.1	214.8	210.5	206.8	211.1	214.8	219.1	223.5
72.5°	201.9	198.2	193.8	189.5	185.8	181.5	177.8	182.1	185.8	190.1	193.8
75°	169.8	166.1	162.4	158.0	154.3	150.0	146.3	150.6	154.3	158.0	162.4
77.5°	135.2	131.5	127.8	123.5	119.8	116.1	112.3	116.1	119.8	123.5	127.8
80°	98.8	95.7	93.2	90.1	87.0	84.0	80.9	84.0	87.0	90.1	93.2
82.5°	66.1	63.0	60.5	57.4	54.3	50.6	46.9	50.6	54.3	57.4	60.5
85°	37.0	34.6	32.7	30.2	27.8	24.1	21.0	24.7	27.8	30.2	32.7
87.5°	19.1	16.7	14.8	12.3	9.9	6.8	4.3	7.4	9.9	12.3	14.8
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	273.5	273.5	273.5	272.8	272.8	272.2	272.2	271.6	271.6	271.0	270.4
5°	275.9	275.3	274.7	274.1	272.8	272.2	271.0	270.4	269.1	267.9	266.7
7.5°	270.4	269.8	268.5	267.9	266.7	265.4	264.2	262.4	261.1	259.3	257.4
10°	262.4	261.7	260.5	259.3	258.0	256.8	255.6	253.7	252.5	250.6	248.2
12.5°	263.0	262.4	261.1	260.5	259.3	258.0	256.2	254.3	251.9	250.0	247.5
15°	270.4	270.4	269.8	268.5	267.9	266.7	264.8	263.0	261.1	259.3	256.8
17.5°	276.6	277.2	277.2	277.2	277.2	277.2	275.9	275.3	274.1	272.8	269.8
20°	278.4	279.6	280.9	282.1	283.3	284.6	285.2	286.4	287.0	287.7	285.8
22.5°	282.1	283.3	285.2	287.7	289.5	291.4	293.8	296.3	298.8	301.2	301.2
25°	288.9	290.8	293.2	295.7	297.5	300.0	303.7	306.8	310.5	313.6	316.1
27.5°	298.2	300.0	303.1	306.8	309.9	313.0	317.3	321.0	325.3	329.0	332.7
30°	301.9	304.9	309.9	315.4	320.4	325.3	330.9	336.4	341.4	346.9	350.6
32.5°	304.3	308.0	314.2	321.0	327.2	333.3	340.8	348.2	355.6	363.0	368.5
35°	311.1	314.8	321.6	328.4	335.2	342.0	350.0	358.7	366.7	374.7	382.7
37.5°	317.9	322.2	329.6	337.7	345.1	352.5	360.5	369.1	377.2	385.2	396.3
40°	324.1	329.0	337.7	346.3	355.0	363.6	372.2	380.9	388.9	397.5	410.5
42.5°	328.4	334.0	343.2	352.5	361.7	371.0	380.3	390.1	399.4	408.7	424.1
45°	335.2	340.8	350.6	360.5	369.8	379.6	390.1	400.0	410.5	420.4	440.1
47.5°	340.8	346.9	356.8	367.3	377.2	387.1	397.5	408.7	419.2	429.6	454.3
50°	343.2	349.4	359.9	371.0	381.5	392.0	403.1	413.6	424.7	435.2	464.2
52.5°	344.5	351.2	362.4	373.5	384.6	395.7	406.8	418.5	429.6	440.8	474.1
55°	339.5	346.9	358.7	369.8	381.5	392.6	405.0	416.7	429.0	440.8	479.6
57.5°	330.9	337.0	347.5	358.7	369.1	379.6	392.6	405.0	417.9	430.3	473.5
60°	319.8	325.9	334.6	343.2	351.2	359.9	373.5	387.1	400.0	413.6	460.5
62.5°	304.3	311.1	318.5	325.9	332.7	340.1	353.7	367.3	380.9	394.5	445.1
65°	280.3	286.4	294.5	303.1	311.1	319.1	331.5	343.2	355.6	367.3	419.8
67.5°	253.7	258.7	266.7	275.3	283.3	291.4	303.1	314.8	326.6	338.3	392.0
70°	227.2	231.5	238.3	245.1	251.2	258.0	271.0	284.0	296.9	309.9	363.0
72.5°	198.2	201.9	207.4	212.4	217.9	222.8	235.8	249.4	262.4	275.3	325.9
75°	166.1	169.8	173.5	177.8	181.5	185.2	197.5	209.9	222.2	234.6	280.3
77.5°	131.5	135.2	138.3	141.4	143.8	146.9	157.4	167.9	178.4	188.9	227.8
80°	95.7	98.8	101.2	103.1	105.6	107.4	116.7	125.9	135.2	144.4	174.1
82.5°	63.0	66.1	67.3	69.1	70.4	71.6	78.4	85.2	92.0	98.8	119.1
85°	34.6	37.0	38.3	39.5	40.1	41.4	44.4	48.1	51.2	54.3	63.6
87.5°	16.7	19.1	19.1	19.8	19.8	19.8	19.8	20.4	20.4	20.4	20.4
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	269.8	269.1	268.5	267.9	267.9	267.3	266.7	266.1	265.4	264.8	264.2
5°	264.8	263.6	261.7	259.9	258.7	256.8	254.9	253.7	252.5	250.6	249.4
7.5°	255.6	253.7	251.9	249.4	247.5	245.1	242.6	240.1	237.7	235.2	232.7
10°	246.3	243.8	241.4	238.3	235.2	232.1	229.0	225.3	221.6	217.3	213.6
12.5°	245.7	243.2	240.7	237.7	234.6	231.5	228.4	224.7	221.0	217.3	213.6
15°	253.7	251.2	248.2	245.1	242.0	238.3	235.2	232.1	229.0	225.3	222.2
17.5°	267.3	264.2	261.1	258.0	254.9	251.2	248.2	246.3	244.5	242.0	240.1
20°	284.0	282.1	280.3	277.8	275.3	272.8	270.4	270.4	270.4	270.4	270.4
22.5°	301.9	301.9	301.9	301.9	302.5	302.5	302.5	306.2	309.3	313.0	316.1
25°	319.1	321.6	324.1	327.8	332.1	335.8	339.5	350.0	360.5	370.4	380.9
27.5°	337.0	340.8	344.5	353.1	362.4	371.0	379.6	397.5	415.4	432.7	450.6
30°	355.0	358.7	362.4	375.9	388.9	402.5	415.4	439.5	463.6	487.1	511.1
32.5°	373.5	379.0	384.0	401.9	419.8	437.7	455.6	485.8	516.7	546.9	577.2
35°	390.8	398.8	406.8	429.0	450.6	472.9	494.5	532.7	571.0	608.7	646.9
37.5°	407.4	418.5	429.6	456.2	482.7	509.3	535.8	582.7	629.7	676.6	723.5
40°	423.5	435.8	448.8	483.3	517.9	551.9	586.4	640.1	694.5	748.2	801.9
42.5°	439.5	455.0	470.4	513.6	556.2	599.4	642.0	703.1	763.6	824.7	885.2
45°	459.3	479.0	498.2	549.4	601.3	652.5	703.7	772.9	842.6	911.8	980.9
47.5°	479.0	503.1	527.8	588.9	650.0	710.5	771.6	846.9	922.3	996.9	1072.3
50°	493.2	521.6	550.6	622.2	693.9	764.8	836.4	918.5	1000.7	1082.8	1164.9
52.5°	507.4	540.8	574.1	653.1	732.7	811.8	890.8	982.1	1074.1	1165.5	1256.8
55°	519.2	558.0	596.9	682.1	767.9	853.1	938.3	1030.3	1122.9	1214.9	1306.8
57.5°	516.7	559.9	603.1	694.5	785.2	876.6	967.3	1061.1	1154.4	1248.2	1341.4
60°	506.8	553.7	600.0	693.2	786.4	879.0	972.3	1067.3	1162.4	1256.8	1351.9
62.5°	496.3	546.9	597.6	692.0	786.4	880.3	974.7	1062.4	1150.0	1237.7	1325.4
65°	472.2	524.7	577.2	671.0	764.8	858.7	952.5	1040.2	1127.2	1214.9	1301.9
67.5°	445.7	498.8	552.5	639.5	726.6	813.0	900.0	990.2	1079.7	1169.8	1259.3
70°	415.4	468.5	521.0	600.0	678.4	757.4	835.8	918.5	1001.9	1084.6	1167.3
72.5°	377.2	427.8	478.4	550.6	622.2	694.5	766.1	835.8	906.2	976.0	1045.7
75°	325.3	371.0	416.1	481.5	547.5	613.0	678.4	738.9	798.8	859.3	919.2
77.5°	266.1	304.9	343.2	397.5	451.2	505.6	559.3	611.7	663.6	716.1	767.9
80°	203.7	233.3	263.0	305.6	348.2	390.1	432.7	474.7	516.7	558.0	600.0
82.5°	139.5	159.3	179.6	209.9	240.7	271.0	301.2	330.9	360.5	390.1	419.8
85°	72.2	81.5	90.1	104.9	120.4	135.2	150.0	166.7	183.3	199.4	216.1
87.5°	20.4	20.4	20.4	21.0	21.0	21.6	21.6	22.8	24.1	24.7	25.9
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	264.2	263.6	263.6	263.0	262.4	262.4	261.7	261.1	261.1	261.1	261.1
5°	248.2	247.5	246.3	245.1	245.1	244.5	244.5	243.8	243.8	243.8	243.8
7.5°	230.3	228.4	225.9	223.5	222.8	221.6	221.0	219.8	219.1	218.5	219.1
10°	209.9	206.2	201.9	198.2	195.7	193.8	191.4	188.9	188.9	188.3	188.9
12.5°	209.9	206.2	201.9	198.2	195.7	192.6	190.1	187.0	186.4	185.2	186.4
15°	219.1	216.1	212.4	209.3	206.8	203.7	201.2	198.2	197.5	196.3	197.5
17.5°	238.3	236.4	234.6	232.7	230.9	229.6	227.8	225.9	226.6	227.2	226.6
20°	272.2	274.1	275.3	277.2	278.4	280.3	281.5	283.3	283.3	282.7	283.3
22.5°	324.1	331.5	338.9	346.9	353.7	361.1	367.9	374.7	377.2	380.3	377.8
25°	398.8	416.7	434.0	451.9	466.1	480.3	493.8	508.0	510.5	513.0	510.5
27.5°	476.6	503.1	529.0	555.0	572.2	590.1	607.4	624.7	628.4	632.7	629.0
30°	542.6	574.7	606.2	637.7	656.2	674.7	692.6	711.1	713.0	715.5	713.6
32.5°	611.1	645.1	679.0	713.0	731.5	750.6	769.2	788.3	790.2	792.0	790.2
35°	683.4	720.4	756.8	793.2	813.0	832.7	851.9	871.6	871.6	871.0	871.6
37.5°	763.0	801.9	840.8	880.3	898.8	917.9	936.5	955.6	958.7	962.4	959.3
40°	844.5	887.1	929.7	972.3	991.4	1011.1	1030.3	1049.4	1050.7	1052.5	1051.3
42.5°	931.5	978.4	1024.7	1071.0	1090.2	1109.3	1127.8	1147.0	1149.4	1151.9	1149.4
45°	1029.0	1077.2	1124.7	1172.9	1192.6	1213.0	1232.8	1253.1	1253.7	1253.7	1253.7
47.5°	1124.1	1176.6	1228.4	1280.3	1303.1	1326.6	1349.4	1372.3	1374.1	1376.0	1374.1
50°	1219.2	1273.5	1327.8	1382.1	1403.1	1424.7	1445.7	1467.3	1471.0	1475.4	1471.7
52.5°	1310.5	1364.9	1418.6	1472.3	1497.6	1523.5	1548.8	1574.1	1577.8	1581.5	1577.8
55°	1365.5	1424.7	1483.4	1542.0	1566.1	1590.8	1614.9	1638.9	1645.1	1651.9	1645.7
57.5°	1398.2	1455.0	1511.8	1568.6	1592.6	1617.3	1641.4	1665.5	1671.7	1678.5	1672.3
60°	1405.0	1457.5	1509.9	1563.0	1592.6	1622.3	1651.3	1680.9	1687.1	1693.3	1687.1
62.5°	1387.7	1450.0	1512.4	1574.7	1604.4	1634.6	1664.3	1693.9	1695.1	1697.0	1695.7
65°	1361.2	1419.8	1478.4	1537.7	1556.2	1574.7	1592.6	1611.2	1613.0	1615.5	1613.6
67.5°	1302.5	1345.1	1387.7	1430.9	1455.0	1479.1	1502.5	1526.6	1536.5	1547.0	1537.1
70°	1209.9	1253.1	1295.7	1338.3	1367.3	1397.0	1426.0	1455.0	1459.9	1465.5	1460.5
72.5°	1093.2	1140.8	1187.7	1235.2	1259.3	1283.4	1307.5	1331.5	1331.5	1331.5	1331.5
75°	959.9	1000.0	1040.2	1080.9	1101.3	1121.6	1142.0	1162.4	1163.0	1163.6	1163.0
77.5°	801.9	835.8	869.2	903.1	921.0	939.5	957.4	976.0	982.7	990.2	983.4
80°	629.7	659.3	688.3	717.9	732.1	746.3	760.5	774.7	779.7	784.6	779.7
82.5°	442.6	465.4	488.3	511.1	521.0	531.5	541.4	551.3	553.7	556.2	553.7
85°	232.1	248.2	263.6	279.6	286.4	293.2	299.4	306.2	308.0	310.5	308.7
87.5°	27.2	29.0	30.2	31.5	35.2	38.9	42.0	45.7	43.8	42.0	43.8
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	261.1	261.7	262.4	262.4	263.0	263.6	263.6	264.2	264.2	264.8	265.4
5°	243.8	244.5	244.5	245.1	245.1	246.3	247.5	248.2	249.4	250.6	252.5
7.5°	219.8	221.0	221.6	222.8	223.5	225.9	228.4	230.3	232.7	235.2	237.7
10°	188.9	191.4	193.8	195.7	198.2	201.9	206.2	209.9	213.6	217.3	221.6
12.5°	187.0	190.1	192.6	195.7	198.2	201.9	206.2	209.9	213.6	217.3	221.0
15°	198.2	201.2	203.7	206.8	209.3	212.4	216.1	219.1	222.2	225.3	229.0
17.5°	225.9	227.8	229.6	230.9	232.7	234.6	236.4	238.3	240.1	242.0	244.5
20°	283.3	281.5	280.3	278.4	277.2	275.3	274.1	272.2	270.4	270.4	270.4
22.5°	374.7	367.9	361.1	353.7	346.9	338.9	331.5	323.5	316.1	312.4	309.3
25°	508.0	493.8	480.3	466.1	451.9	434.0	416.7	398.8	380.9	370.4	360.5
27.5°	624.7	607.4	590.1	572.2	555.0	529.0	503.1	476.6	450.6	432.7	415.4
30°	711.1	692.6	674.7	656.2	637.7	606.2	574.7	542.6	511.1	487.1	463.6
32.5°	788.3	769.2	750.6	731.5	713.0	679.0	645.1	611.1	577.2	546.9	516.7
35°	871.6	851.9	832.7	813.0	793.2	756.8	720.4	683.4	646.9	608.7	571.0
37.5°	955.6	936.5	917.9	898.8	880.3	840.8	801.9	762.4	723.5	676.6	629.7
40°	1049.4	1030.3	1011.1	991.4	972.3	929.7	887.1	844.5	801.9	748.2	694.5
42.5°	1147.0	1127.8	1109.3	1090.2	1071.0	1024.7	978.4	931.5	885.2	824.1	763.6
45°	1253.1	1232.8	1213.0	1192.6	1172.9	1124.7	1077.2	1029.0	980.9	911.8	842.6
47.5°	1372.3	1349.4	1326.6	1303.1	1280.3	1228.4	1176.6	1124.1	1072.3	996.9	922.3
50°	1467.3	1445.7	1424.7	1403.1	1382.1	1327.8	1273.5	1219.2	1164.9	1082.8	1000.7
52.5°	1574.1	1548.8	1523.5	1497.6	1472.3	1418.6	1364.9	1310.5	1256.8	1165.5	1074.1
55°	1638.9	1614.9	1590.8	1566.1	1542.0	1483.4	1424.7	1365.5	1306.8	1214.9	1122.9
57.5°	1665.5	1641.4	1617.3	1592.6	1568.6	1511.8	1455.0	1398.2	1341.4	1247.6	1154.4
60°	1680.9	1651.3	1622.3	1592.6	1563.0	1509.9	1457.5	1404.4	1351.9	1256.8	1162.4
62.5°	1693.9	1664.3	1634.6	1604.4	1574.7	1512.4	1450.0	1387.7	1325.4	1237.7	1150.0
65°	1611.2	1592.6	1574.7	1556.2	1537.7	1478.4	1419.8	1360.5	1301.9	1214.2	1127.2
67.5°	1526.6	1502.5	1479.1	1455.0	1430.9	1387.7	1345.1	1301.9	1259.3	1169.2	1079.7
70°	1455.0	1426.0	1397.0	1367.3	1338.3	1295.7	1253.1	1209.9	1167.3	1084.6	1001.9
72.5°	1331.5	1307.5	1283.4	1259.3	1235.2	1187.7	1140.8	1093.2	1045.7	976.0	906.2
75°	1162.4	1142.0	1121.6	1101.3	1080.9	1040.2	1000.0	959.3	919.2	858.7	798.8
77.5°	976.0	957.4	939.5	921.0	903.1	869.2	835.8	801.9	767.9	715.5	663.6
80°	774.7	760.5	746.3	732.1	717.9	688.3	659.3	629.7	600.0	558.0	516.7
82.5°	551.3	541.4	531.5	521.0	511.1	488.3	465.4	442.6	419.8	390.1	360.5
85°	306.2	299.4	293.2	286.4	279.6	263.6	248.2	232.1	216.1	199.4	183.3
87.5°	45.7	42.0	38.9	35.2	31.5	30.2	29.0	27.2	25.9	24.7	24.1
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	266.1	266.7	267.3	267.9	267.9	268.5	269.1	269.8	270.4	271.0	271.6
5°	253.7	254.9	256.8	258.7	259.9	261.7	263.6	264.8	266.7	267.9	269.1
7.5°	240.1	242.6	245.1	247.5	249.4	251.9	253.7	255.6	257.4	259.3	261.1
10°	225.3	229.0	232.1	235.2	238.3	241.4	243.8	246.3	248.2	250.6	252.5
12.5°	224.7	228.4	231.5	234.6	237.7	240.7	243.2	245.7	247.5	250.0	251.9
15°	232.1	235.2	238.3	242.0	245.1	248.2	251.2	253.7	256.8	259.3	261.1
17.5°	246.3	248.2	251.2	254.9	258.0	261.1	264.2	267.3	269.8	272.8	274.1
20°	270.4	270.4	272.8	275.3	277.8	280.3	282.1	284.0	285.8	287.7	287.0
22.5°	306.2	302.5	302.5	302.5	301.9	301.9	301.9	301.9	301.2	301.2	298.8
25°	350.0	339.5	335.8	332.1	327.8	324.1	321.6	319.1	316.1	313.6	310.5
27.5°	397.5	379.6	371.0	362.4	353.1	344.5	340.8	337.0	332.7	329.0	325.3
30°	439.5	415.4	402.5	388.9	375.9	362.4	358.7	355.0	350.6	346.9	341.4
32.5°	485.8	455.6	437.7	419.8	401.9	384.0	379.0	373.5	368.5	363.0	355.6
35°	532.7	494.5	472.9	450.6	429.0	406.8	398.8	390.8	382.7	374.7	366.7
37.5°	582.7	535.8	509.3	482.7	456.2	429.6	418.5	407.4	396.3	385.2	377.2
40°	640.1	586.4	551.9	517.9	483.3	448.8	435.8	423.5	410.5	397.5	388.9
42.5°	703.1	642.0	599.4	556.2	513.6	470.4	455.0	439.5	424.1	408.7	399.4
45°	772.9	703.7	652.5	601.3	549.4	498.2	479.0	459.3	440.1	420.4	410.5
47.5°	846.9	771.6	710.5	650.0	588.9	527.8	503.1	479.0	454.3	429.6	419.2
50°	918.5	836.4	764.8	693.9	622.2	550.6	521.6	493.2	464.2	435.2	424.7
52.5°	982.1	890.8	811.8	732.7	653.1	574.1	540.8	507.4	474.1	440.8	429.6
55°	1030.3	938.3	853.1	767.9	682.1	596.9	558.0	519.2	479.6	440.8	429.0
57.5°	1061.1	967.3	876.6	785.2	694.5	603.1	559.9	516.7	473.5	430.3	417.9
60°	1067.3	972.3	879.0	786.4	693.2	600.0	553.7	506.8	460.5	413.6	400.0
62.5°	1062.4	974.7	880.3	786.4	692.0	597.6	546.9	496.3	445.1	394.5	380.9
65°	1040.2	952.5	858.7	764.8	671.0	577.2	524.7	472.2	419.8	367.3	355.6
67.5°	990.2	900.0	813.0	726.6	639.5	552.5	498.8	445.7	392.0	338.3	326.6
70°	918.5	835.8	757.4	678.4	600.0	521.0	468.5	415.4	363.0	309.9	296.9
72.5°	835.8	766.1	694.5	622.2	550.6	478.4	427.8	377.2	325.9	275.3	262.4
75°	738.9	678.4	613.0	547.5	481.5	416.1	371.0	325.3	280.3	234.6	222.2
77.5°	611.7	559.3	505.6	451.2	397.5	343.2	304.9	266.1	227.8	188.9	178.4
80°	474.7	432.7	390.1	348.2	305.6	263.0	233.3	203.7	174.1	144.4	135.2
82.5°	330.9	301.2	271.0	240.7	209.9	179.6	159.3	139.5	119.1	98.8	92.0
85°	166.7	150.0	135.2	120.4	104.9	90.1	81.5	72.2	63.6	54.3	51.2
87.5°	22.8	21.6	21.6	21.0	21.0	20.4	20.4	20.4	20.4	20.4	20.4
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	271.6	272.2	272.2	272.8	272.8	273.5	273.5	273.5	274.1	274.1	274.1
5°	269.8	271.0	272.2	272.8	274.1	274.7	275.3	275.9	275.9	276.6	276.6
7.5°	262.4	264.2	265.4	266.7	267.3	268.5	269.8	270.4	271.0	271.0	271.6
10°	253.7	255.6	256.8	258.0	259.3	260.5	261.7	262.4	263.0	263.0	263.6
12.5°	253.7	256.2	258.0	259.3	259.9	261.1	262.4	263.0	263.0	263.6	263.6
15°	263.0	264.8	266.7	267.9	268.5	269.8	270.4	270.4	271.0	271.0	271.0
17.5°	274.7	275.9	277.2	277.2	277.2	277.2	277.2	276.6	276.6	275.9	275.3
20°	286.4	285.2	284.6	283.3	282.1	280.9	279.6	278.4	277.8	276.6	275.3
22.5°	296.3	293.8	291.4	289.5	287.7	285.2	283.3	282.1	280.3	279.0	277.2
25°	306.8	303.7	300.0	297.5	295.7	293.2	290.8	288.9	287.7	285.8	284.0
27.5°	321.0	317.3	313.0	309.9	306.8	303.1	300.0	298.2	296.3	293.8	292.0
30°	336.4	330.9	325.3	320.4	315.4	309.9	304.9	301.9	298.8	295.7	292.6
32.5°	348.2	340.8	333.3	327.2	321.0	314.2	308.0	304.3	301.2	297.5	293.8
35°	358.7	350.0	342.0	335.2	328.4	321.6	314.8	311.1	307.4	303.1	299.4
37.5°	369.1	360.5	352.5	345.1	337.7	329.6	322.2	317.9	313.6	308.7	304.3
40°	380.9	372.2	363.6	355.0	346.3	337.7	329.0	324.1	318.5	313.6	308.0
42.5°	390.1	380.3	371.0	361.7	352.5	343.2	334.0	328.4	323.5	317.9	312.4
45°	400.0	390.1	379.6	369.8	360.5	350.6	340.8	335.2	329.6	323.5	317.9
47.5°	408.7	397.5	387.1	377.2	367.3	356.8	346.9	340.8	334.6	327.8	321.6
50°	413.6	403.1	392.0	381.5	371.0	359.9	349.4	343.2	336.4	330.3	323.5
52.5°	418.5	406.8	395.7	384.6	373.5	362.4	351.2	344.5	337.0	330.3	322.9
55°	416.7	405.0	392.6	381.5	369.8	358.7	346.9	339.5	332.1	324.7	317.3
57.5°	405.0	392.6	379.6	369.1	358.7	347.5	337.0	330.9	324.1	317.9	311.1
60°	387.1	373.5	359.9	351.2	343.2	334.6	325.9	319.8	314.2	308.0	301.9
62.5°	367.3	353.7	340.1	332.7	325.9	318.5	311.1	304.3	298.2	291.4	284.6
65°	343.2	331.5	319.1	311.1	303.1	294.5	286.4	280.3	274.1	267.9	261.7
67.5°	314.8	303.1	291.4	283.3	275.3	266.7	258.7	253.7	248.8	243.2	238.3
70°	284.0	271.0	258.0	251.2	245.1	238.3	231.5	227.2	223.5	219.1	214.8
72.5°	249.4	235.8	222.8	217.9	212.4	207.4	201.9	198.2	193.8	190.1	185.8
75°	209.9	197.5	185.2	181.5	177.8	173.5	169.8	166.1	162.4	158.0	154.3
77.5°	167.9	157.4	146.9	143.8	141.4	138.3	135.2	131.5	127.8	123.5	119.8
80°	125.9	116.7	107.4	105.6	103.1	101.2	98.8	95.7	93.2	90.1	87.0
82.5°	85.2	78.4	71.6	70.4	69.1	67.3	66.1	63.0	60.5	57.4	54.3
85°	48.1	44.4	41.4	40.1	39.5	38.3	37.0	34.6	32.7	30.2	27.8
87.5°	20.4	19.8	19.8	19.8	19.8	19.1	19.1	16.7	14.8	12.3	9.9
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: P1445207

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	271.0	271.0
2.5°	274.1	274.1
5°	276.6	276.6
7.5°	271.6	271.6
10°	264.2	264.8
12.5°	264.2	264.2
15°	271.0	271.0
17.5°	275.3	275.3
20°	275.3	275.3
22.5°	277.2	276.6
25°	284.0	284.0
27.5°	291.4	290.8
30°	292.0	291.4
32.5°	293.2	292.0
35°	298.2	296.3
37.5°	302.5	300.6
40°	306.2	303.7
42.5°	309.9	307.4
45°	315.4	313.0
47.5°	319.8	317.3
50°	321.0	317.9
52.5°	319.8	316.7
55°	314.8	311.7
57.5°	308.0	304.9
60°	298.8	295.7
62.5°	280.9	276.6
65°	257.4	253.1
67.5°	234.6	230.9
70°	211.1	206.8
72.5°	182.1	177.8
75°	150.6	146.3
77.5°	116.1	112.3
80°	84.0	80.9
82.5°	50.6	46.9
85°	24.7	21.0
87.5°	7.4	4.3
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: P1445207

CATALOG NUMBER: TPTN-VA2-830-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: SP1-2411-284-4

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

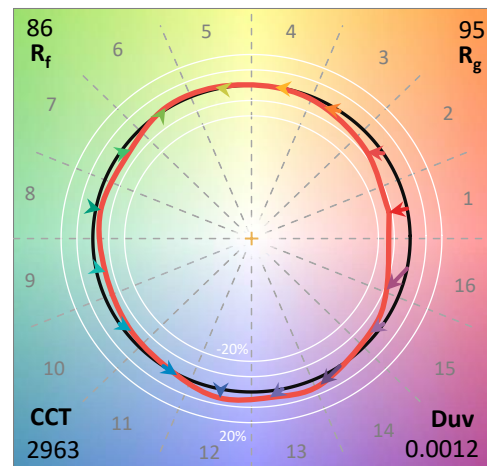
Test Information

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

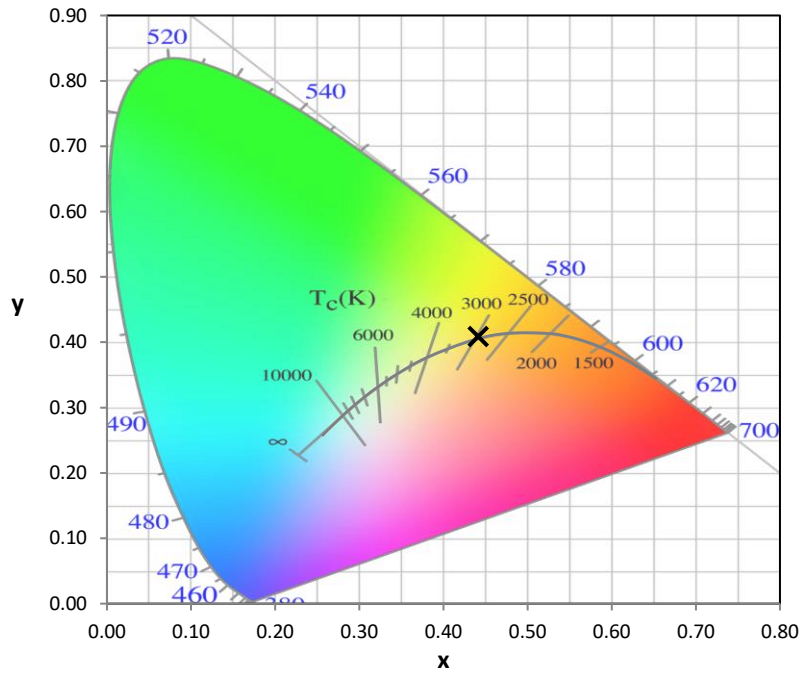
Stabilization Time: 37M
 Operation Time: 1H 37M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2411-284-4

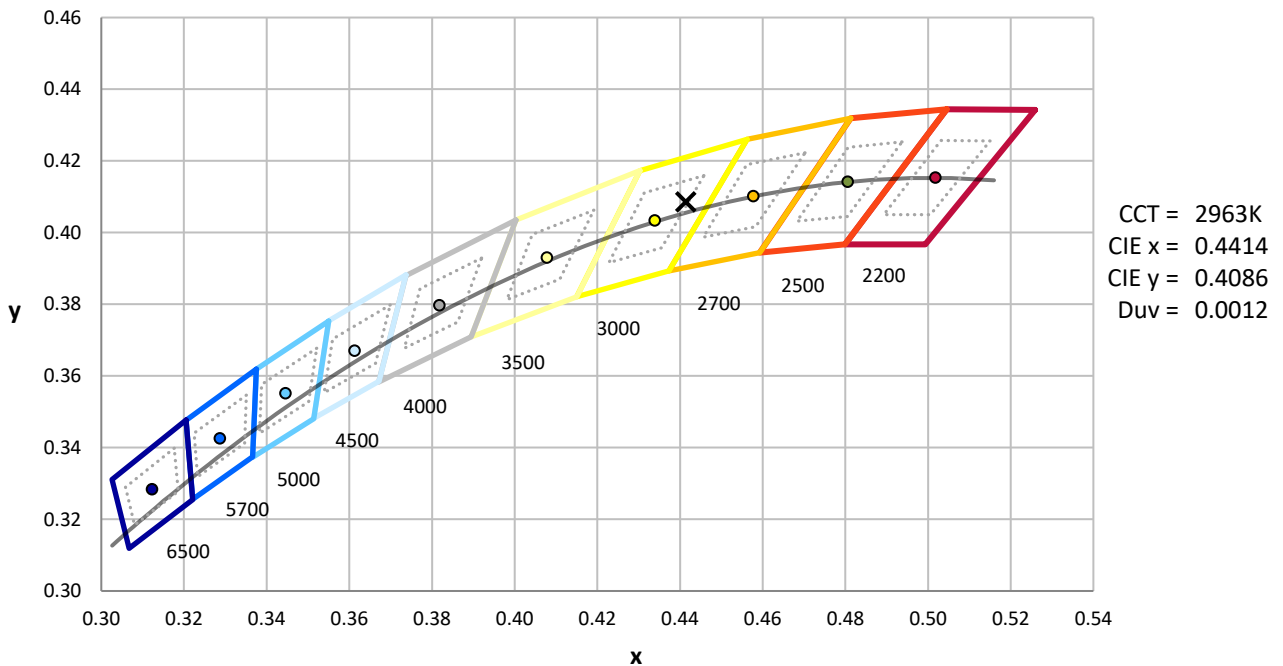
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

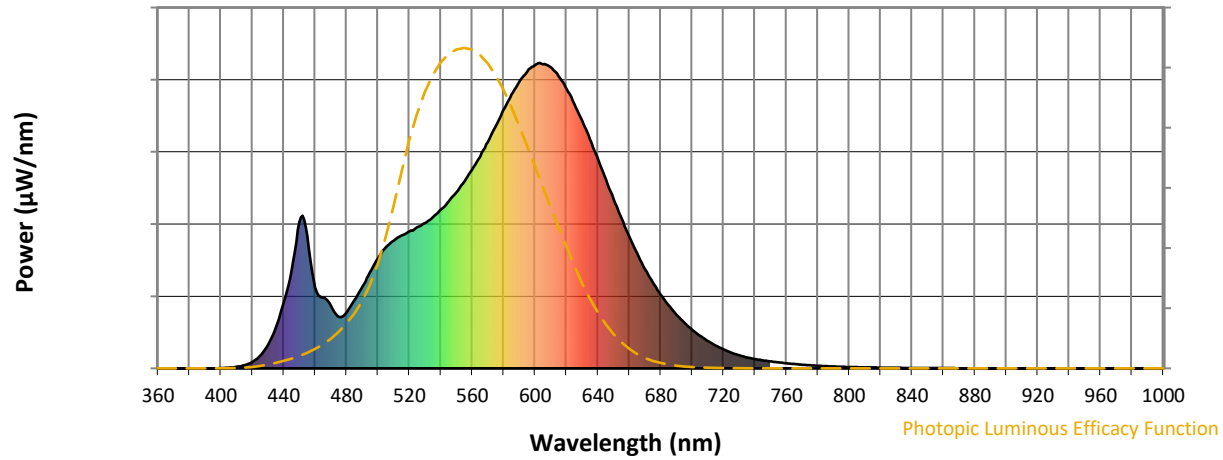


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

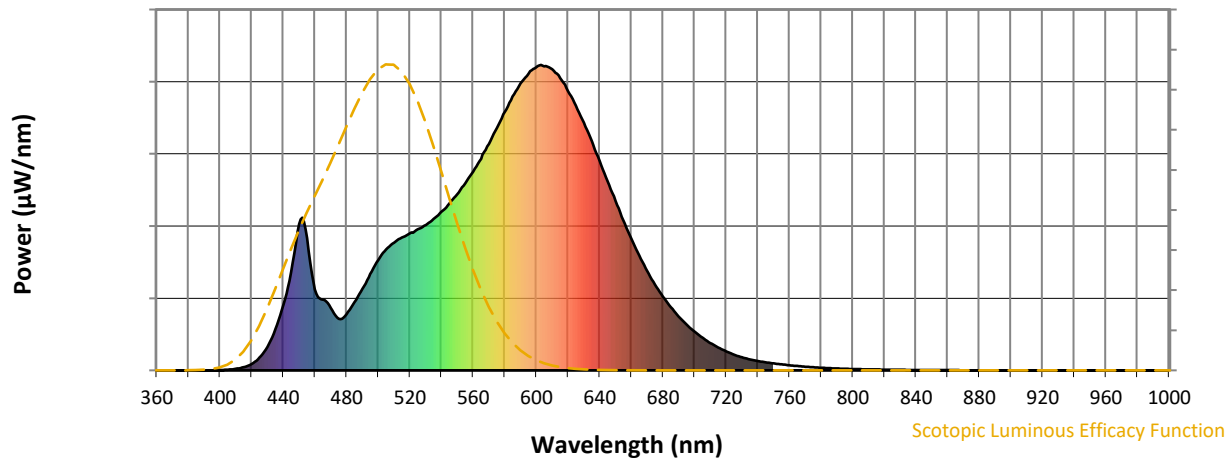
REPORT NUMBER: SP1-2411-284-4

Photopic Flux vs. Wavelength

Photopic Lumens: NR

λ (nm)	Power 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	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



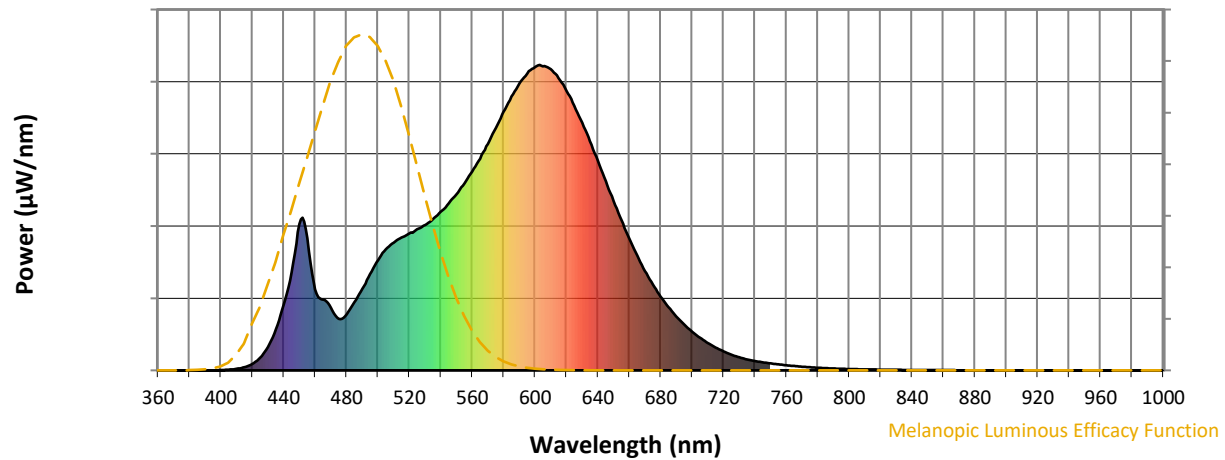
Scotopic Lumens: NR

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

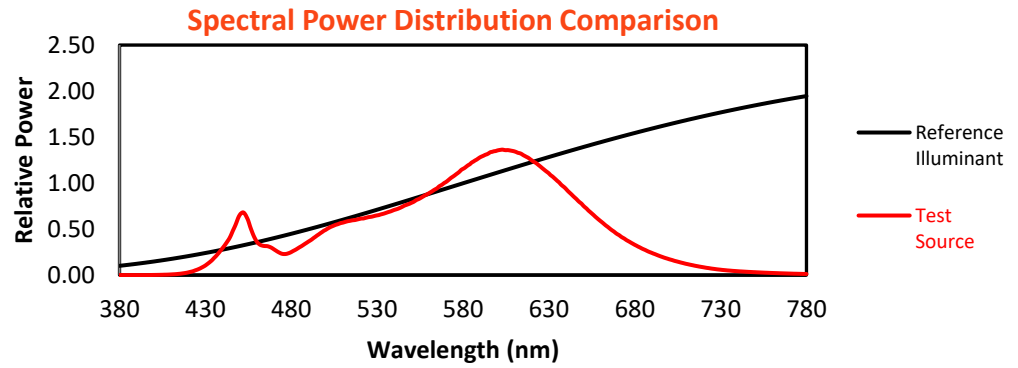
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	267	NR	620	915	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

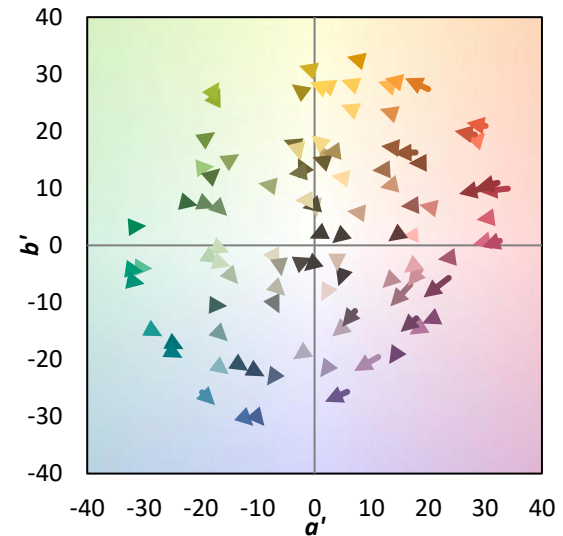
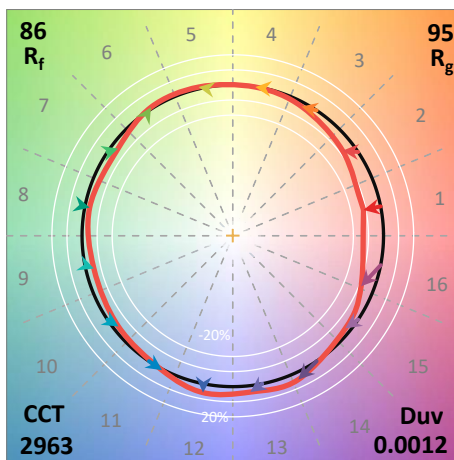
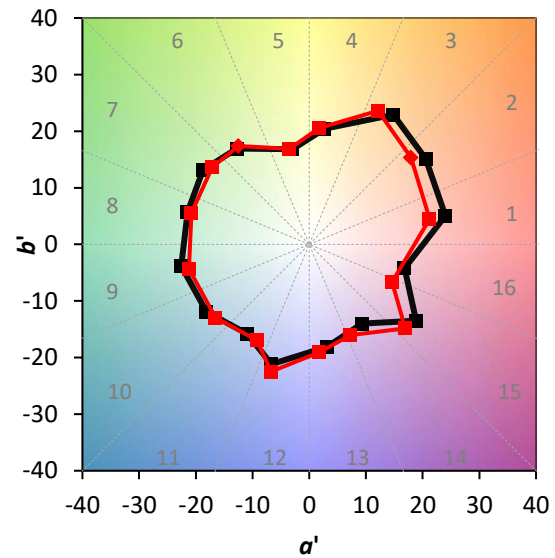
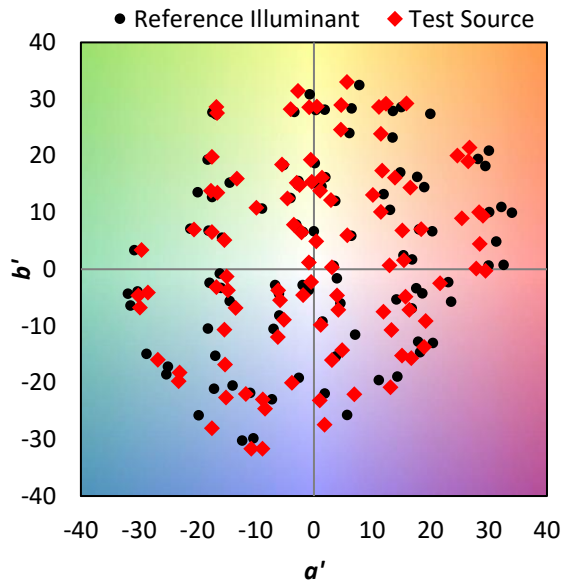
TM-30-18

Summary

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

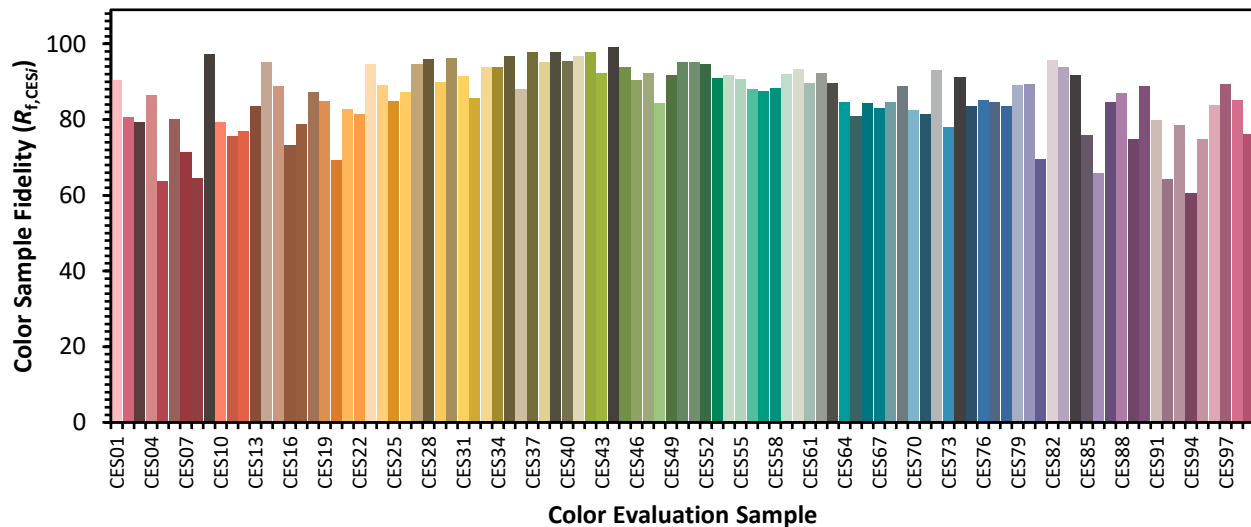


Color Vector Graphics

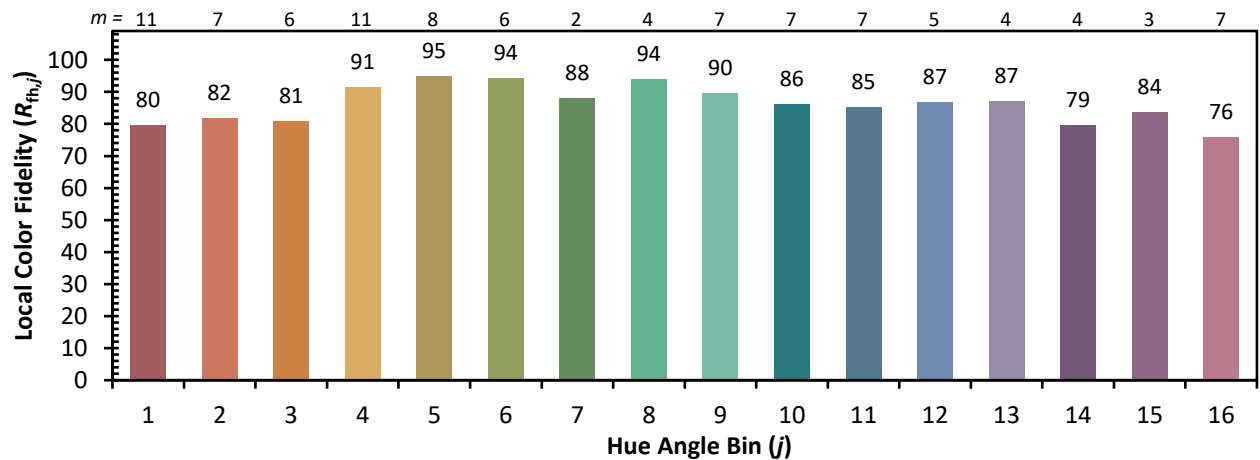
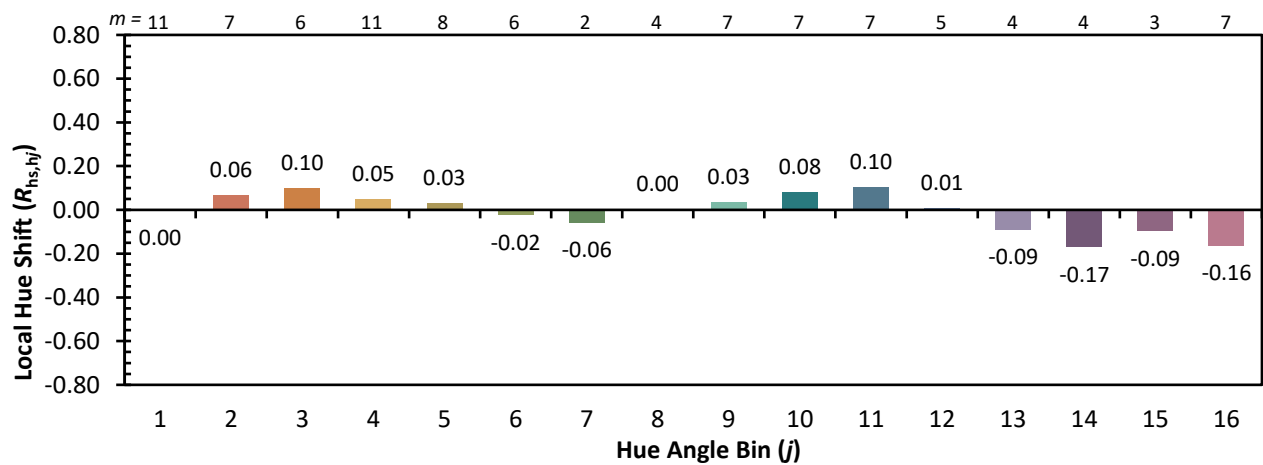
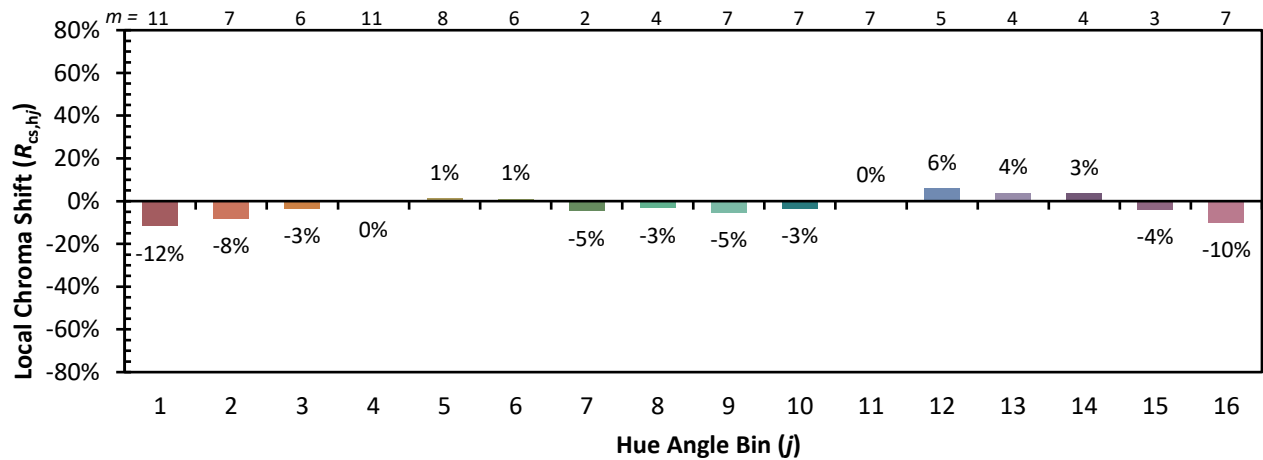


Individual Sample Fidelity Index ($R_{f,i}$)

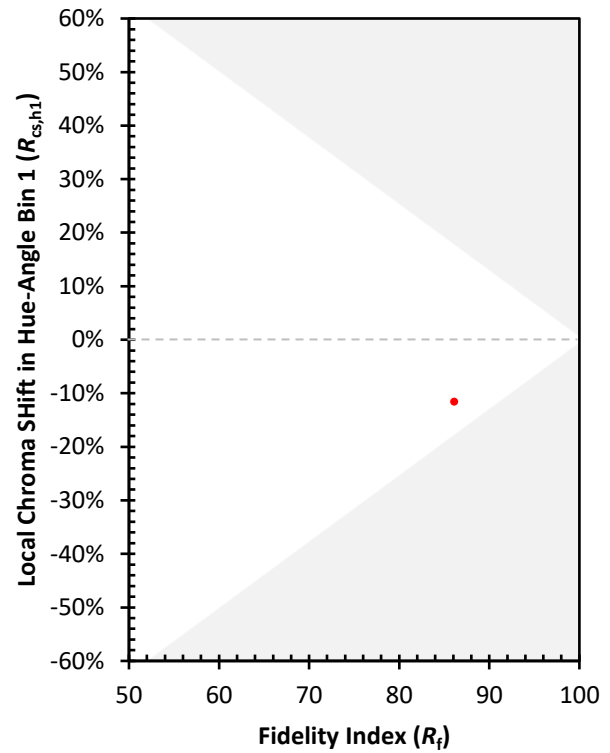
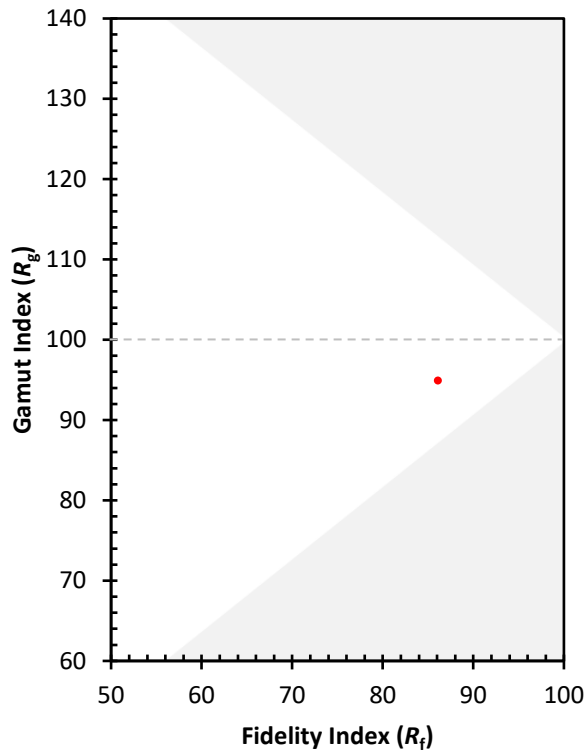
CES01 = 86	CES26 = 87	CES51 = 95	CES76 = 85
CES02 = 63	CES27 = 95	CES52 = 95	CES77 = 85
CES03 = 31	CES28 = 96	CES53 = 91	CES78 = 83
CES04 = 70	CES29 = 90	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 96	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 92	CES56 = 88	CES81 = 70
CES07 = 42	CES32 = 86	CES57 = 87	CES82 = 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)