

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: P1445194

Luminaire Tested: TPTN-VA1-735-U-RW-GM

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445194
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: TPTN-VA1-735-U-RW-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 27W 70CRI 3500K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source: 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2234.8 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 11.9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

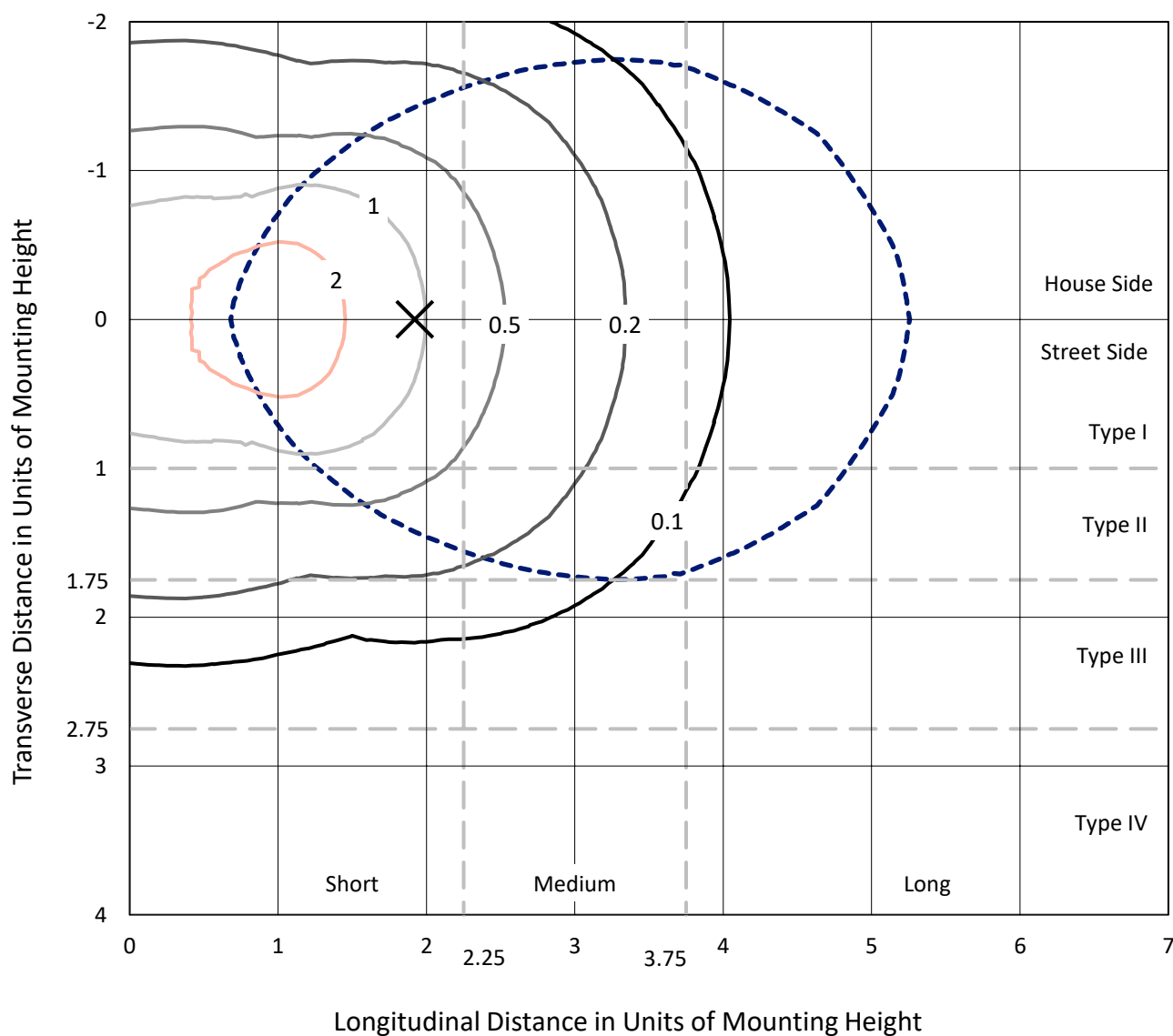
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CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

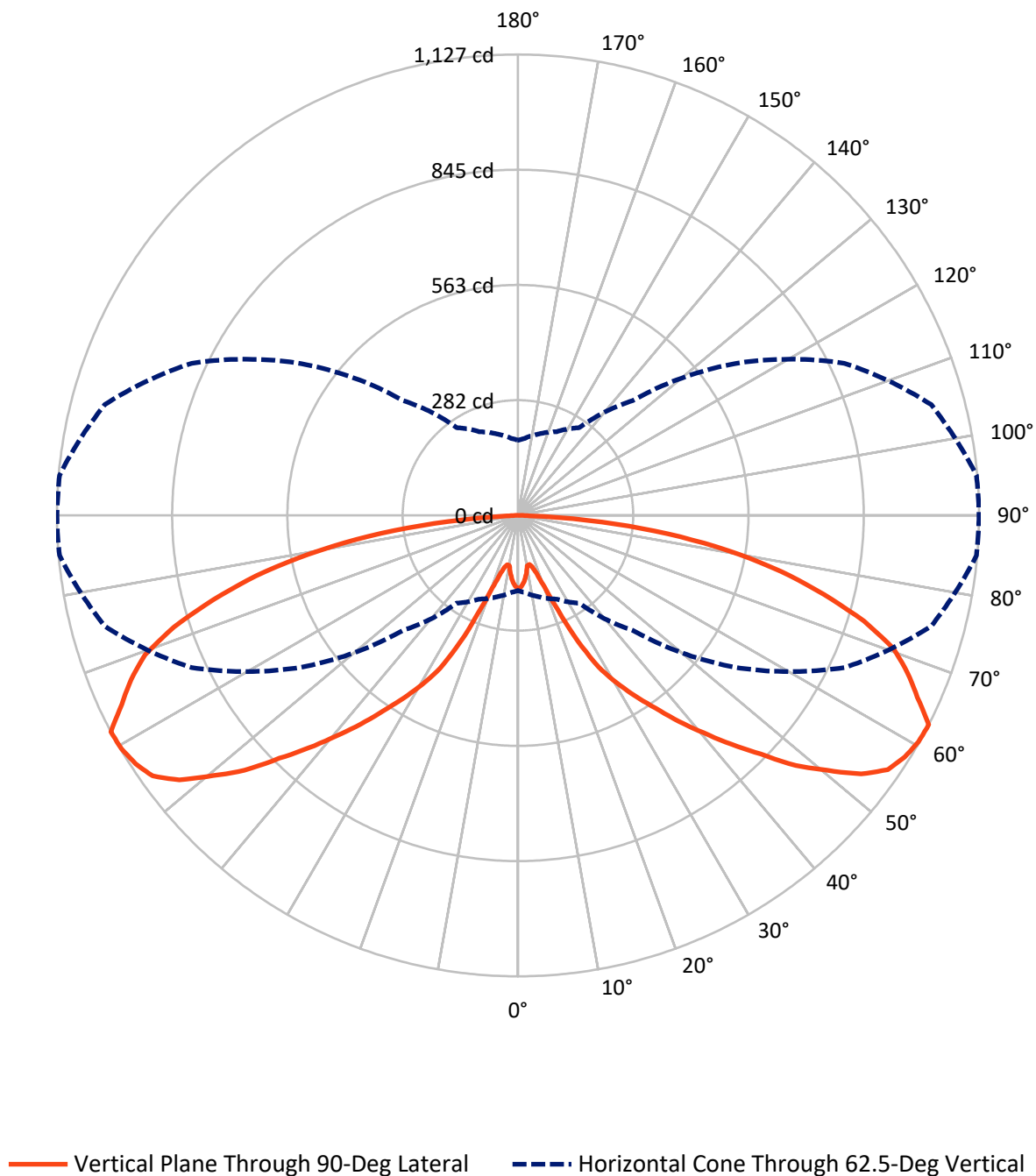


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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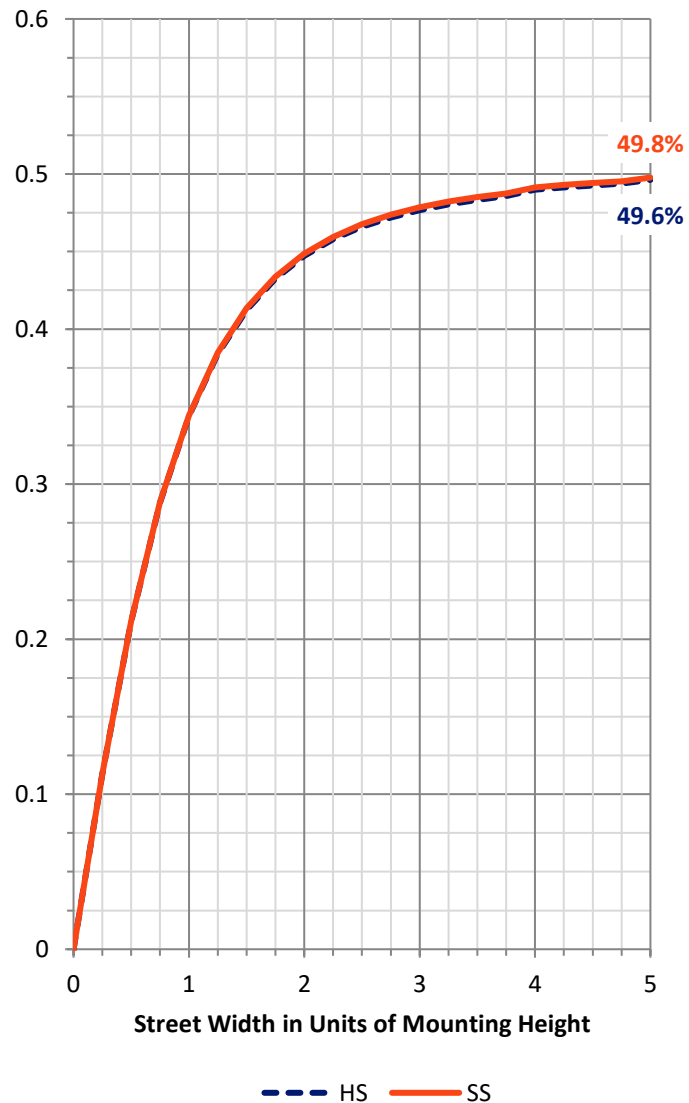
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1117.4	0.0	1117.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1117.4	0.0	1117.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2234.8	0.0	2234.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	0.7
10°-20°	47.0	2.1
20°-30°	110.7	5.0
30°-40°	212.5	9.5
40°-50°	348.4	15.6
50°-60°	491.0	22.0
60°-70°	520.5	23.3
70°-80°	382.8	17.1
80°-90°	106.0	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°	2234.8	100.0
0°-180°	2234.8	100.0

Coefficient of Utilization



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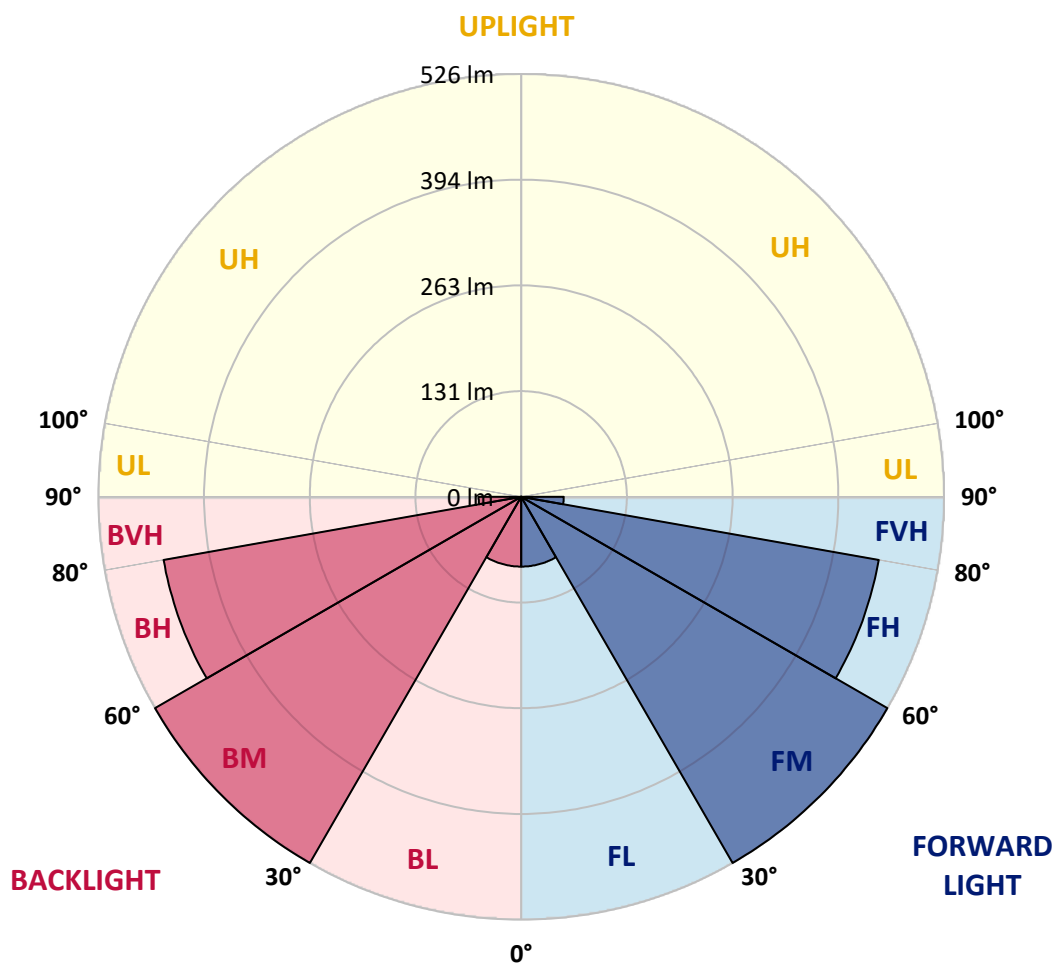
CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.8	3.9			
FM	(30°-60°)	526.0	23.5			
FH	(60°-80°)	451.7	20.2			G0/660
FVH	(80°-90°)	53.0	2.4			G1/100
BL	(0°-30°)	86.8	3.9	B0/110		
BM	(30°-60°)	525.9	23.5	B1/1000		
BH	(60°-80°)	451.7	20.2	B1/500		G1/500
BVH	(80°-90°)	53.0	2.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	182.0	182.0	182.0	182.0	182.0	181.6	181.6	181.6	181.2	181.2	180.8
5°	183.6	183.6	183.6	183.6	183.2	183.2	182.8	182.4	182.0	181.2	180.8
7.5°	180.4	180.4	180.4	179.9	179.9	179.5	179.1	178.3	177.9	177.1	176.3
10°	175.8	175.4	175.0	174.6	174.6	174.2	173.8	173.0	172.2	171.3	170.5
12.5°	175.4	175.4	175.0	175.0	174.6	174.6	174.2	173.4	173.0	172.2	171.3
15°	179.9	179.9	179.9	179.9	179.9	179.5	179.5	179.1	178.3	177.9	177.1
17.5°	182.8	182.8	182.8	183.2	183.6	183.6	184.0	184.0	184.0	184.0	184.0
20°	182.8	182.8	182.8	183.6	184.5	184.9	185.7	186.5	187.3	188.1	189.0
22.5°	183.6	184.0	184.0	185.3	186.1	187.3	188.1	189.4	191.0	192.2	193.5
25°	188.6	188.6	188.6	189.8	191.0	191.8	193.1	194.7	196.3	197.6	199.2
27.5°	193.1	193.5	193.9	195.1	196.8	198.0	199.2	201.3	203.7	205.8	207.8
30°	193.5	193.9	194.3	196.3	198.4	200.4	202.5	205.8	209.5	212.7	216.0
32.5°	193.9	194.7	195.1	197.6	200.0	202.1	204.5	208.6	213.1	217.2	221.3
35°	196.8	198.0	198.8	201.3	204.1	206.6	209.1	213.6	218.1	222.6	227.1
37.5°	199.6	200.9	202.1	205.0	208.2	211.1	214.0	218.9	224.2	229.1	234.1
40°	201.7	203.3	204.5	208.2	211.5	215.2	218.5	224.2	230.0	235.7	241.4
42.5°	204.1	205.8	207.4	211.1	214.8	218.1	221.8	227.9	234.1	240.2	246.4
45°	207.8	209.5	211.1	214.8	218.9	222.6	226.3	232.8	239.4	245.5	252.1
47.5°	210.7	212.3	213.6	217.7	222.2	226.3	230.4	236.9	243.9	250.5	257.0
50°	211.1	213.1	214.8	219.3	223.4	227.9	232.0	239.0	246.4	253.3	260.3
52.5°	210.3	212.3	214.4	219.3	223.8	228.7	233.2	240.6	248.0	255.4	262.7
55°	207.0	209.1	210.7	215.6	220.5	225.4	230.4	238.2	245.5	253.3	260.7
57.5°	202.5	204.5	206.6	211.1	215.2	219.7	223.8	230.8	238.2	245.1	252.1
60°	196.3	198.4	200.4	204.5	208.6	212.3	216.4	222.2	227.9	233.2	239.0
62.5°	183.6	186.5	189.0	193.5	198.0	202.1	206.6	211.5	216.4	220.9	225.9
65°	168.1	170.9	173.8	177.9	182.0	186.1	190.2	195.5	201.3	206.6	211.9
67.5°	153.3	155.8	158.2	161.5	165.2	168.5	171.7	177.1	182.8	188.1	193.5
70°	137.3	140.2	142.6	145.5	148.4	150.8	153.7	158.2	162.7	166.8	171.3
72.5°	118.1	120.9	123.4	126.3	128.7	131.6	134.0	137.7	141.0	144.7	148.0
75°	97.1	100.0	102.5	104.9	107.8	110.3	112.7	115.2	118.1	120.5	123.0
77.5°	74.6	77.1	79.5	82.0	84.8	87.3	89.8	91.8	93.9	95.5	97.6
80°	53.7	55.7	57.8	59.8	61.9	63.5	65.6	67.2	68.5	70.1	71.3
82.5°	31.2	33.6	36.1	38.1	40.2	41.8	43.9	44.7	45.9	46.7	47.5
85°	13.9	16.4	18.4	20.1	21.7	23.0	24.6	25.4	26.2	26.6	27.5
87.5°	2.9	4.9	6.6	8.2	9.8	11.1	12.7	12.7	13.1	13.1	13.1
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

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CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	180.8	180.4	180.4	179.9	179.5	179.1	178.7	178.3	177.9	177.9	177.5
5°	179.9	179.5	178.7	177.9	177.1	175.8	175.0	173.8	172.6	171.7	170.5
7.5°	175.4	174.2	173.4	172.2	170.9	169.7	168.5	167.2	165.6	164.4	162.7
10°	169.7	168.5	167.7	166.4	164.8	163.6	161.9	160.3	158.2	156.2	154.1
12.5°	170.1	168.9	167.2	166.0	164.4	163.1	161.5	159.9	157.8	155.8	153.7
15°	175.8	174.6	173.4	172.2	170.5	168.5	166.8	164.8	162.7	160.7	158.2
17.5°	183.2	182.8	182.0	181.2	179.1	177.5	175.4	173.4	171.3	169.3	166.8
20°	189.4	190.2	190.6	191.0	189.8	188.6	187.3	186.1	184.5	182.8	181.2
22.5°	195.1	196.8	198.4	200.0	200.0	200.4	200.4	200.4	200.4	200.9	200.9
25°	201.7	203.7	206.2	208.2	209.9	211.9	213.6	215.2	217.7	220.5	223.0
27.5°	210.7	213.1	216.0	218.5	220.9	223.8	226.3	228.7	234.5	240.6	246.4
30°	219.7	223.4	226.7	230.4	232.8	235.7	238.2	240.6	249.6	258.2	267.3
32.5°	226.3	231.2	236.1	241.0	244.7	248.0	251.7	255.0	266.8	278.7	290.6
35°	232.4	238.2	243.5	248.8	254.1	259.5	264.8	270.1	284.9	299.2	314.0
37.5°	239.4	245.1	250.5	255.8	263.2	270.5	277.9	285.3	302.9	320.5	338.2
40°	247.2	252.9	258.2	264.0	272.6	281.2	289.4	298.0	321.0	343.9	366.5
42.5°	252.5	259.1	265.2	271.4	281.6	291.9	302.1	312.3	341.0	369.3	398.0
45°	259.1	265.6	272.6	279.1	292.3	305.0	318.1	330.8	364.8	399.2	433.3
47.5°	264.0	271.4	278.3	285.3	301.7	318.1	334.1	350.5	391.0	431.6	471.8
50°	267.7	274.6	282.0	289.0	308.2	327.5	346.4	365.6	413.2	460.7	507.9
52.5°	270.1	277.9	285.3	292.7	314.8	336.9	359.1	381.2	433.7	486.6	539.0
55°	268.9	276.7	284.9	292.7	318.5	344.7	370.6	396.4	452.9	509.9	566.5
57.5°	260.7	268.9	277.5	285.7	314.4	343.1	371.8	400.5	461.1	521.4	582.1
60°	248.0	257.0	265.6	274.6	305.8	336.5	367.7	398.4	460.3	522.2	583.7
62.5°	234.9	243.9	252.9	261.9	295.5	329.6	363.2	396.8	459.5	522.2	584.5
65°	220.1	227.9	236.1	243.9	278.7	313.6	348.4	383.3	445.6	507.9	570.2
67.5°	201.3	209.1	216.8	224.6	260.3	296.0	331.2	366.9	424.7	482.5	539.8
70°	179.9	188.6	197.2	205.8	241.0	275.9	311.1	346.0	398.4	450.5	503.0
72.5°	156.6	165.6	174.2	182.8	216.4	250.5	284.1	317.7	365.6	413.2	461.1
75°	131.2	139.4	147.6	155.8	186.1	216.0	246.4	276.3	319.7	363.6	407.0
77.5°	104.5	111.5	118.5	125.4	151.3	176.7	202.5	227.9	264.0	299.6	335.7
80°	77.5	83.6	89.8	95.9	115.6	135.3	154.9	174.6	202.9	231.2	259.1
82.5°	52.1	56.6	61.1	65.6	79.1	92.6	105.8	119.3	139.4	159.9	179.9
85°	29.5	32.0	34.0	36.1	42.2	48.0	54.1	59.8	69.7	79.9	89.8
87.5°	13.1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.9	13.9	14.3
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	177.1	176.7	176.3	175.8	175.4	175.4	175.0	175.0	174.6	174.2	174.2
5°	169.3	168.5	167.7	166.4	165.6	164.8	164.4	163.6	162.7	162.7	162.3
7.5°	161.1	159.5	157.8	156.2	154.5	152.9	151.7	150.0	148.4	148.0	147.2
10°	152.1	149.6	147.2	144.3	141.8	139.4	136.9	134.0	131.6	129.9	128.7
12.5°	151.7	149.2	146.7	144.3	141.8	139.4	136.9	134.0	131.6	129.9	127.9
15°	156.2	154.1	152.1	149.6	147.6	145.5	143.5	141.0	139.0	137.3	135.3
17.5°	164.8	163.6	162.3	160.7	159.5	158.2	157.0	155.8	154.5	153.3	152.5
20°	179.5	179.5	179.5	179.5	179.5	180.8	182.0	182.8	184.0	185.3	186.1
22.5°	200.9	203.3	205.4	207.8	209.9	215.2	220.1	225.4	230.4	234.9	239.8
25°	225.4	232.4	239.4	245.9	252.9	264.8	276.7	288.2	300.0	309.5	318.9
27.5°	252.1	264.0	275.9	287.3	299.2	316.4	334.1	351.3	368.5	380.0	391.9
30°	275.9	291.9	307.8	323.4	339.4	360.3	381.6	402.5	423.4	435.7	448.0
32.5°	302.5	322.6	343.1	363.2	383.3	405.8	428.3	450.9	473.4	486.1	498.4
35°	328.3	353.7	379.2	404.2	429.6	453.8	478.4	502.5	526.7	539.8	553.0
37.5°	355.8	386.9	418.1	449.3	480.4	506.6	532.5	558.7	584.5	597.2	609.5
40°	389.4	425.1	461.1	496.8	532.5	560.7	589.0	617.3	645.6	658.3	671.4
42.5°	426.3	466.9	507.1	547.6	587.8	618.5	649.7	680.4	711.2	723.9	736.6
45°	467.3	513.2	559.5	605.4	651.3	683.3	715.3	746.8	778.8	792.3	805.5
47.5°	512.4	562.4	612.4	662.0	712.0	746.4	781.3	815.7	850.1	865.3	880.9
50°	555.4	609.9	664.5	719.0	773.5	809.6	845.6	881.7	917.8	932.1	946.1
52.5°	591.5	652.2	713.2	773.9	834.6	870.2	906.3	942.0	977.6	994.4	1011.6
55°	623.1	684.1	745.6	806.7	867.8	906.7	946.1	985.0	1023.9	1039.9	1056.3
57.5°	642.3	704.6	766.5	828.8	890.7	928.4	966.1	1003.9	1041.6	1057.6	1073.9
60°	645.6	708.7	771.8	834.6	897.7	932.9	967.8	1003.0	1037.9	1057.6	1077.2
62.5°	647.2	705.4	763.6	821.9	880.1	921.5	962.9	1004.3	1045.7	1065.3	1085.4
65°	632.5	690.7	748.5	806.7	864.5	903.8	942.8	982.1	1021.1	1033.4	1045.7
67.5°	597.6	657.5	716.9	776.8	836.2	864.9	893.2	921.9	950.2	966.1	982.1
70°	555.0	609.9	665.3	720.2	775.1	803.4	832.1	860.4	888.7	907.9	927.6
72.5°	508.7	555.0	601.7	648.1	694.4	725.9	757.5	788.7	820.2	836.2	852.2
75°	450.5	490.7	530.4	570.6	610.3	637.4	664.0	691.1	717.7	731.3	744.8
77.5°	371.4	406.2	440.6	475.5	509.9	532.5	555.0	577.1	599.7	612.0	623.9
80°	287.3	315.2	343.1	370.6	398.4	418.1	437.8	457.0	476.7	486.1	495.6
82.5°	200.0	219.7	239.4	259.1	278.7	293.9	309.1	324.2	339.4	346.0	352.9
85°	99.6	110.7	121.7	132.4	143.5	154.1	164.8	175.0	185.7	190.2	194.7
87.5°	14.3	15.2	16.0	16.4	17.2	18.0	19.3	20.1	20.9	23.4	25.8
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	173.8	173.4	173.4	173.4	173.4	173.4	173.8	174.2	174.2	174.6	175.0
5°	162.3	161.9	161.9	161.9	161.9	161.9	162.3	162.3	162.7	162.7	163.6
7.5°	146.7	145.9	145.5	145.1	145.5	145.9	146.7	147.2	148.0	148.4	150.0
10°	127.1	125.4	125.4	125.0	125.4	125.4	127.1	128.7	129.9	131.6	134.0
12.5°	126.3	124.2	123.8	123.0	123.8	124.2	126.3	127.9	129.9	131.6	134.0
15°	133.6	131.6	131.2	130.3	131.2	131.6	133.6	135.3	137.3	139.0	141.0
17.5°	151.3	150.0	150.4	150.8	150.4	150.0	151.3	152.5	153.3	154.5	155.8
20°	187.3	188.1	188.1	187.7	188.1	188.1	187.3	186.1	185.3	184.0	182.8
22.5°	244.3	248.8	250.9	252.5	250.9	248.8	244.3	239.8	234.9	230.4	225.4
25°	327.9	337.4	339.0	340.6	339.0	337.4	327.9	318.9	309.5	300.0	288.2
27.5°	403.3	414.8	417.7	420.2	417.7	414.8	403.3	391.5	380.0	368.5	351.3
30°	459.9	472.2	473.8	475.1	473.8	472.2	459.9	447.6	435.7	423.4	402.5
32.5°	511.1	523.4	524.7	525.9	524.7	523.4	510.7	498.4	486.1	473.4	450.9
35°	565.7	578.8	578.8	578.4	578.8	578.8	565.7	552.5	539.8	526.7	502.5
37.5°	622.2	634.5	637.0	639.0	637.0	634.5	621.8	609.5	597.2	584.5	558.7
40°	684.1	696.8	698.1	698.9	698.1	696.8	684.1	671.0	658.3	645.6	617.3
42.5°	748.9	761.6	763.2	764.9	763.2	761.6	748.9	736.2	723.9	711.2	680.4
45°	819.0	832.1	832.5	832.5	832.5	832.1	818.6	805.5	792.3	778.8	746.8
47.5°	896.0	911.2	912.4	913.7	912.4	911.2	896.0	880.5	865.3	850.1	815.7
50°	960.4	974.3	977.2	979.7	977.2	974.3	960.0	946.1	932.1	917.8	881.7
52.5°	1028.4	1045.3	1047.7	1050.2	1047.7	1045.3	1028.4	1011.2	994.4	977.6	942.0
55°	1072.3	1088.3	1092.8	1096.9	1092.8	1088.3	1072.3	1055.9	1039.9	1023.9	985.0
57.5°	1089.9	1105.9	1110.4	1114.5	1110.4	1105.9	1089.9	1073.5	1057.6	1041.6	1003.9
60°	1096.5	1116.2	1120.3	1124.4	1120.3	1116.2	1096.5	1076.8	1057.6	1037.9	1003.0
62.5°	1105.1	1124.8	1126.0	1126.8	1126.0	1124.8	1105.1	1085.0	1065.3	1045.7	1004.3
65°	1057.6	1069.8	1071.5	1072.7	1071.5	1069.8	1057.6	1045.3	1033.4	1021.1	982.1
67.5°	997.7	1013.7	1020.7	1027.2	1020.2	1013.7	997.7	981.7	966.1	950.2	921.9
70°	946.9	966.1	969.8	973.1	969.8	966.1	946.9	927.2	907.9	888.7	860.4
72.5°	868.2	884.2	884.2	884.2	884.2	884.2	868.2	852.2	836.2	820.2	788.7
75°	758.3	771.8	772.3	772.7	772.3	771.8	758.3	744.8	731.3	717.7	691.1
77.5°	636.2	648.1	653.0	657.5	653.0	648.1	635.8	623.9	612.0	599.7	577.1
80°	505.0	514.4	517.7	521.0	517.7	514.4	505.0	495.6	486.1	476.7	457.0
82.5°	359.5	366.0	367.7	369.3	367.7	366.0	359.5	352.9	346.0	339.4	324.2
85°	198.8	203.3	205.0	206.2	205.0	203.3	198.8	194.7	190.2	185.7	175.0
87.5°	27.9	30.3	29.1	27.9	29.1	30.3	27.9	25.8	23.4	20.9	20.1
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	175.0	175.4	175.4	175.8	176.3	176.7	177.1	177.5	177.9	177.9	178.3
5°	164.4	164.8	165.6	166.4	167.7	168.5	169.3	170.5	171.7	172.6	173.8
7.5°	151.7	152.9	154.5	156.2	157.8	159.5	161.1	162.7	164.4	165.6	167.2
10°	136.9	139.4	141.8	144.3	147.2	149.6	152.1	154.1	156.2	158.2	160.3
12.5°	136.9	139.4	141.8	144.3	146.7	149.2	151.7	153.7	155.8	157.8	159.9
15°	143.5	145.5	147.6	149.6	152.1	154.1	156.2	158.2	160.7	162.7	164.8
17.5°	157.0	158.2	159.5	160.7	162.3	163.6	164.8	166.8	169.3	171.3	173.4
20°	182.0	180.8	179.5	179.5	179.5	179.5	179.5	181.2	182.8	184.5	186.1
22.5°	220.1	215.2	209.9	207.8	205.4	203.3	200.9	200.9	200.9	200.4	200.4
25°	276.7	264.8	252.9	245.9	239.0	232.4	225.4	223.0	220.5	217.7	215.2
27.5°	334.1	316.4	299.2	287.3	275.5	264.0	252.1	246.4	240.6	234.5	228.7
30°	381.6	360.3	339.4	323.4	307.4	291.9	275.9	266.8	258.2	249.6	240.6
32.5°	428.3	405.8	383.3	363.2	342.7	322.6	302.5	290.6	278.7	266.8	255.0
35°	478.4	453.8	429.6	404.2	378.8	353.7	328.3	313.6	299.2	284.9	270.1
37.5°	532.5	506.6	480.4	449.3	418.1	386.9	355.8	338.2	320.5	302.9	285.3
40°	589.0	560.7	532.5	496.8	460.7	425.1	389.4	366.5	343.9	321.0	298.0
42.5°	649.7	618.5	587.8	547.2	507.1	466.5	426.3	397.6	369.3	341.0	312.3
45°	715.3	683.3	651.3	605.4	559.1	513.2	467.3	433.3	399.2	364.8	330.8
47.5°	781.3	746.4	712.0	662.0	612.0	562.4	512.4	471.8	431.6	391.0	350.5
50°	845.6	809.6	773.5	719.0	664.5	609.9	555.4	507.9	460.7	413.2	365.6
52.5°	906.3	870.2	834.6	773.9	712.8	652.2	591.5	539.0	486.6	433.7	381.2
55°	946.1	906.7	867.8	806.7	745.2	684.1	623.1	566.5	509.9	452.9	396.4
57.5°	966.1	928.4	890.7	828.4	766.5	704.2	642.3	581.7	521.4	461.1	400.5
60°	967.8	932.9	897.7	834.6	771.4	708.7	645.6	583.7	522.2	460.3	398.4
62.5°	962.9	921.5	880.1	821.9	763.6	705.4	647.2	584.5	522.2	459.5	396.8
65°	942.8	903.8	864.5	806.3	748.5	690.3	632.5	570.2	507.9	445.6	383.3
67.5°	893.2	864.9	836.2	776.4	716.9	657.1	597.6	539.8	482.5	424.7	366.9
70°	832.1	803.4	775.1	720.2	664.9	609.9	555.0	502.5	450.5	398.4	346.0
72.5°	757.5	725.9	694.4	648.1	601.3	555.0	508.7	460.7	413.2	365.6	317.7
75°	664.0	637.4	610.3	570.2	530.4	490.2	450.5	407.0	363.6	319.7	276.3
77.5°	555.0	532.5	509.9	475.1	440.6	405.8	371.4	335.3	299.6	264.0	227.9
80°	437.8	418.1	398.4	370.6	342.7	315.2	287.3	259.1	231.2	202.9	174.6
82.5°	309.1	293.9	278.7	259.1	239.4	219.7	200.0	179.9	159.9	139.4	119.3
85°	164.8	154.1	143.5	132.4	121.3	110.7	99.6	89.8	79.9	69.7	59.8
87.5°	19.3	18.0	17.2	16.4	16.0	15.2	14.3	14.3	13.9	13.9	13.5
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	178.7	179.1	179.5	179.9	180.4	180.4	180.8	180.8	181.2	181.2	181.6
5°	175.0	175.8	177.1	177.9	178.7	179.5	179.9	180.8	181.2	182.0	182.4
7.5°	168.5	169.7	170.9	172.2	173.4	174.2	175.4	176.3	177.1	177.9	178.3
10°	161.9	163.6	164.8	166.4	167.7	168.5	169.7	170.5	171.3	172.2	173.0
12.5°	161.5	163.1	164.4	166.0	167.2	168.9	170.1	171.3	172.2	173.0	173.4
15°	166.8	168.5	170.5	172.2	173.4	174.6	175.8	177.1	177.9	178.3	179.1
17.5°	175.4	177.5	179.1	181.2	182.0	182.8	183.2	184.0	184.0	184.0	184.0
20°	187.3	188.6	189.8	191.0	190.6	190.2	189.4	189.0	188.1	187.3	186.5
22.5°	200.4	200.4	200.0	200.0	198.4	196.8	195.1	193.5	192.2	191.0	189.4
25°	213.6	211.9	209.9	208.2	206.2	203.7	201.7	199.2	197.6	196.3	194.7
27.5°	226.3	223.8	220.9	218.5	216.0	213.1	210.7	207.8	205.8	203.7	201.3
30°	238.2	235.7	232.8	230.4	226.7	223.4	219.7	216.0	212.7	209.5	205.8
32.5°	251.7	248.0	244.7	241.0	236.1	231.2	226.3	221.3	217.2	213.1	208.6
35°	264.8	259.5	254.1	248.8	243.5	238.2	232.4	227.1	222.6	218.1	213.6
37.5°	277.9	270.5	263.2	255.8	250.5	245.1	239.4	234.1	229.1	224.2	218.9
40°	289.4	281.2	272.6	264.0	258.2	252.9	247.2	241.4	235.7	230.0	224.2
42.5°	302.1	291.9	281.6	271.4	265.2	259.1	252.5	246.4	240.2	234.1	227.9
45°	318.1	305.0	292.3	279.1	272.6	265.6	259.1	252.1	245.5	239.4	232.8
47.5°	334.1	318.1	301.7	285.3	278.3	271.4	264.0	257.0	250.5	243.9	236.9
50°	346.4	327.5	308.2	289.0	282.0	274.6	267.7	260.3	253.3	246.4	239.0
52.5°	359.1	336.9	314.8	292.7	285.3	277.9	270.1	262.7	255.4	248.0	240.6
55°	370.6	344.7	318.5	292.7	284.9	276.7	268.9	260.7	253.3	245.5	238.2
57.5°	371.8	343.1	314.4	285.7	277.5	268.9	260.7	252.1	245.1	238.2	230.8
60°	367.7	336.5	305.8	274.6	265.6	257.0	248.0	239.0	233.2	227.9	222.2
62.5°	363.2	329.6	295.5	261.9	252.9	243.9	234.9	225.9	220.9	216.4	211.5
65°	348.4	313.6	278.7	243.9	236.1	227.9	220.1	211.9	206.6	201.3	195.5
67.5°	331.2	296.0	260.3	224.6	216.8	209.1	201.3	193.5	188.1	182.8	177.1
70°	311.1	275.9	241.0	205.8	197.2	188.6	179.9	171.3	166.8	162.7	158.2
72.5°	284.1	250.5	216.4	182.8	174.2	165.6	156.6	148.0	144.7	141.0	137.7
75°	246.4	216.0	186.1	155.8	147.6	139.4	131.2	123.0	120.5	118.1	115.2
77.5°	202.5	176.7	151.3	125.4	118.5	111.5	104.5	97.6	95.5	93.9	91.8
80°	154.9	135.3	115.6	95.9	89.8	83.6	77.5	71.3	70.1	68.5	67.2
82.5°	105.8	92.6	79.1	65.6	61.1	56.6	52.1	47.5	46.7	45.9	44.7
85°	54.1	48.0	42.2	36.1	34.0	32.0	29.5	27.5	26.6	26.2	25.4
87.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.1	13.1	13.1	13.1	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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	181.6	181.6	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0
5°	182.8	183.2	183.2	183.6	183.6	183.6	183.6	183.6	183.6	183.6	183.2
7.5°	179.1	179.5	179.9	179.9	180.4	180.4	180.4	180.4	180.4	179.9	179.9
10°	173.8	174.2	174.6	174.6	175.0	175.4	175.8	175.4	175.0	174.6	174.6
12.5°	174.2	174.6	174.6	175.0	175.0	175.4	175.4	175.4	175.0	175.0	174.6
15°	179.5	179.5	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
17.5°	184.0	183.6	183.6	183.2	182.8	182.8	182.8	182.8	182.8	183.2	183.6
20°	185.7	184.9	184.5	183.6	182.8	182.8	182.8	182.8	182.8	183.6	184.5
22.5°	188.1	187.3	186.1	185.3	184.0	184.0	183.6	184.0	184.0	185.3	186.1
25°	193.1	191.8	191.0	189.8	188.6	188.6	188.6	188.6	188.6	189.8	191.0
27.5°	199.2	198.0	196.8	195.1	193.9	193.5	193.1	193.5	193.9	195.1	196.8
30°	202.5	200.4	198.4	196.3	194.3	193.9	193.5	193.9	194.3	196.3	198.4
32.5°	204.5	202.1	200.0	197.6	195.1	194.7	193.9	194.7	195.1	197.6	200.0
35°	209.1	206.6	204.1	201.3	198.8	198.0	196.8	198.0	198.8	201.3	204.1
37.5°	214.0	211.1	208.2	205.0	202.1	200.9	199.6	200.9	202.1	205.0	208.2
40°	218.5	215.2	211.5	207.8	204.5	202.9	201.7	203.3	204.5	208.2	211.5
42.5°	221.8	218.1	214.8	211.1	207.4	205.8	204.1	205.8	207.4	211.1	214.8
45°	226.3	222.6	218.9	214.8	211.1	209.5	207.8	209.5	211.1	214.8	218.9
47.5°	230.4	226.3	222.2	217.7	213.6	211.9	210.7	212.3	213.6	217.7	222.2
50°	232.0	227.9	223.4	218.9	214.8	212.7	211.1	213.1	214.8	219.3	223.4
52.5°	233.2	228.7	223.8	218.9	214.4	212.3	210.3	212.3	214.4	219.3	223.8
55°	230.4	225.4	220.5	215.6	210.7	208.6	207.0	209.1	210.7	215.6	220.5
57.5°	223.8	219.7	215.2	210.7	206.6	204.5	202.5	204.5	206.6	211.1	215.2
60°	216.4	212.3	208.6	204.5	200.4	198.4	196.3	198.4	200.4	204.5	208.6
62.5°	206.6	202.1	198.0	193.5	189.0	186.1	183.6	186.5	189.0	193.5	198.0
65°	190.2	186.1	182.0	177.9	173.8	170.9	168.1	170.9	173.8	177.9	182.0
67.5°	171.7	168.5	165.2	161.5	158.2	155.8	153.3	155.8	158.2	161.5	165.2
70°	153.7	150.8	148.4	145.5	142.6	139.8	137.3	140.2	142.6	145.5	148.4
72.5°	134.0	131.6	128.7	125.8	123.4	120.5	118.1	120.9	123.4	126.3	128.7
75°	112.7	110.3	107.8	104.9	102.5	99.6	97.1	100.0	102.5	104.9	107.8
77.5°	89.8	87.3	84.8	82.0	79.5	77.1	74.6	77.1	79.5	82.0	84.8
80°	65.6	63.5	61.9	59.8	57.8	55.7	53.7	55.7	57.8	59.8	61.9
82.5°	43.9	41.8	40.2	38.1	36.1	33.6	31.2	33.6	36.1	38.1	40.2
85°	24.6	23.0	21.7	20.1	18.4	16.0	13.9	16.4	18.4	20.1	21.7
87.5°	12.7	11.1	9.8	8.2	6.6	4.5	2.9	4.9	6.6	8.2	9.8
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	181.6	181.6	181.6	181.2	181.2	180.8	180.8	180.4	180.4	179.9	179.5
5°	183.2	182.8	182.4	182.0	181.2	180.8	179.9	179.5	178.7	177.9	177.1
7.5°	179.5	179.1	178.3	177.9	177.1	176.3	175.4	174.2	173.4	172.2	170.9
10°	174.2	173.8	173.0	172.2	171.3	170.5	169.7	168.5	167.7	166.4	164.8
12.5°	174.6	174.2	173.4	173.0	172.2	171.3	170.1	168.9	167.2	166.0	164.4
15°	179.5	179.5	179.1	178.3	177.9	177.1	175.8	174.6	173.4	172.2	170.5
17.5°	183.6	184.0	184.0	184.0	184.0	184.0	183.2	182.8	182.0	181.2	179.1
20°	184.9	185.7	186.5	187.3	188.1	189.0	189.4	190.2	190.6	191.0	189.8
22.5°	187.3	188.1	189.4	191.0	192.2	193.5	195.1	196.8	198.4	200.0	200.0
25°	191.8	193.1	194.7	196.3	197.6	199.2	201.7	203.7	206.2	208.2	209.9
27.5°	198.0	199.2	201.3	203.7	205.8	207.8	210.7	213.1	216.0	218.5	220.9
30°	200.4	202.5	205.8	209.5	212.7	216.0	219.7	223.4	226.7	230.4	232.8
32.5°	202.1	204.5	208.6	213.1	217.2	221.3	226.3	231.2	236.1	241.0	244.7
35°	206.6	209.1	213.6	218.1	222.6	227.1	232.4	238.2	243.5	248.8	254.1
37.5°	211.1	214.0	218.9	224.2	229.1	234.1	239.4	245.1	250.5	255.8	263.2
40°	215.2	218.5	224.2	230.0	235.7	241.4	247.2	252.9	258.2	264.0	272.6
42.5°	218.1	221.8	227.9	234.1	240.2	246.4	252.5	259.1	265.2	271.4	281.6
45°	222.6	226.3	232.8	239.4	245.5	252.1	259.1	265.6	272.6	279.1	292.3
47.5°	226.3	230.4	236.9	243.9	250.5	257.0	264.0	271.4	278.3	285.3	301.7
50°	227.9	232.0	239.0	246.4	253.3	260.3	267.7	274.6	282.0	289.0	308.2
52.5°	228.7	233.2	240.6	248.0	255.4	262.7	270.1	277.9	285.3	292.7	314.8
55°	225.4	230.4	238.2	245.5	253.3	260.7	268.9	276.7	284.9	292.7	318.5
57.5°	219.7	223.8	230.8	238.2	245.1	252.1	260.7	268.9	277.5	285.7	314.4
60°	212.3	216.4	222.2	227.9	233.2	239.0	248.0	257.0	265.6	274.6	305.8
62.5°	202.1	206.6	211.5	216.4	220.9	225.9	234.9	243.9	252.9	261.9	295.5
65°	186.1	190.2	195.5	201.3	206.6	211.9	220.1	227.9	236.1	243.9	278.7
67.5°	168.5	171.7	177.1	182.8	188.1	193.5	201.3	209.1	216.8	224.6	260.3
70°	150.8	153.7	158.2	162.7	166.8	171.3	179.9	188.6	197.2	205.8	241.0
72.5°	131.6	134.0	137.7	141.0	144.7	148.0	156.6	165.6	174.2	182.8	216.4
75°	110.3	112.7	115.2	118.1	120.5	123.0	131.2	139.4	147.6	155.8	186.1
77.5°	87.3	89.8	91.8	93.9	95.5	97.6	104.5	111.5	118.5	125.4	151.3
80°	63.5	65.6	67.2	68.5	70.1	71.3	77.5	83.6	89.8	95.9	115.6
82.5°	41.8	43.9	44.7	45.9	46.7	47.5	52.1	56.6	61.1	65.6	79.1
85°	23.0	24.6	25.4	26.2	26.6	27.5	29.5	32.0	34.0	36.1	42.2
87.5°	11.1	12.7	12.7	13.1	13.1	13.1	13.1	13.5	13.5	13.5	13.5
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	179.1	178.7	178.3	177.9	177.9	177.5	177.1	176.7	176.3	175.8	175.4
5°	175.8	175.0	173.8	172.6	171.7	170.5	169.3	168.5	167.7	166.4	165.6
7.5°	169.7	168.5	167.2	165.6	164.4	162.7	161.1	159.5	157.8	156.2	154.5
10°	163.6	161.9	160.3	158.2	156.2	154.1	152.1	149.6	147.2	144.3	141.8
12.5°	163.1	161.5	159.9	157.8	155.8	153.7	151.7	149.2	146.7	144.3	141.8
15°	168.5	166.8	164.8	162.7	160.7	158.2	156.2	154.1	152.1	149.6	147.6
17.5°	177.5	175.4	173.4	171.3	169.3	166.8	164.8	163.6	162.3	160.7	159.5
20°	188.6	187.3	186.1	184.5	182.8	181.2	179.5	179.5	179.5	179.5	179.5
22.5°	200.4	200.4	200.4	200.4	200.9	200.9	200.9	203.3	205.4	207.8	209.9
25°	211.9	213.6	215.2	217.7	220.5	223.0	225.4	232.4	239.4	245.9	252.9
27.5°	223.8	226.3	228.7	234.5	240.6	246.4	252.1	264.0	275.9	287.3	299.2
30°	235.7	238.2	240.6	249.6	258.2	267.3	275.9	291.9	307.8	323.4	339.4
32.5°	248.0	251.7	255.0	266.8	278.7	290.6	302.5	322.6	343.1	363.2	383.3
35°	259.5	264.8	270.1	284.9	299.2	314.0	328.3	353.7	379.2	404.2	429.6
37.5°	270.5	277.9	285.3	302.9	320.5	338.2	355.8	386.9	418.1	449.3	480.4
40°	281.2	289.4	298.0	321.0	343.9	366.5	389.4	425.1	461.1	496.8	532.5
42.5°	291.9	302.1	312.3	341.0	369.3	398.0	426.3	466.9	507.1	547.6	587.8
45°	305.0	318.1	330.8	364.8	399.2	433.3	467.3	513.2	559.5	605.4	651.3
47.5°	318.1	334.1	350.5	391.0	431.6	471.8	512.4	562.4	612.4	662.0	712.0
50°	327.5	346.4	365.6	413.2	460.7	507.9	555.4	609.9	664.5	719.0	773.5
52.5°	336.9	359.1	381.2	433.7	486.6	539.0	591.5	652.2	713.2	773.9	834.6
55°	344.7	370.6	396.4	452.9	509.9	566.5	623.1	684.1	745.6	806.7	867.8
57.5°	343.1	371.8	400.5	461.1	521.4	582.1	642.3	704.6	766.5	828.8	890.7
60°	336.5	367.7	398.4	460.3	522.2	583.7	645.6	708.7	771.8	834.6	897.7
62.5°	329.6	363.2	396.8	459.5	522.2	584.5	647.2	705.4	763.6	821.9	880.1
65°	313.6	348.4	383.3	445.6	507.9	570.2	632.5	690.7	748.5	806.7	864.5
67.5°	296.0	331.2	366.9	424.7	482.5	539.8	597.6	657.5	716.9	776.8	836.2
70°	275.9	311.1	346.0	398.4	450.5	503.0	555.0	609.9	665.3	720.2	775.1
72.5°	250.5	284.1	317.7	365.6	413.2	461.1	508.7	555.0	601.7	648.1	694.4
75°	216.0	246.4	276.3	319.7	363.6	407.0	450.5	490.7	530.4	570.6	610.3
77.5°	176.7	202.5	227.9	264.0	299.6	335.7	371.4	406.2	440.6	475.5	509.9
80°	135.3	154.9	174.6	202.9	231.2	259.1	287.3	315.2	343.1	370.6	398.4
82.5°	92.6	105.8	119.3	139.4	159.9	179.9	200.0	219.7	239.4	259.1	278.7
85°	48.0	54.1	59.8	69.7	79.9	89.8	99.6	110.7	121.7	132.4	143.5
87.5°	13.5	13.5	13.5	13.9	13.9	14.3	14.3	15.2	16.0	16.4	17.2
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

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CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	175.4	175.0	175.0	174.6	174.2	174.2	173.8	173.4	173.4	173.4	173.4
5°	164.8	164.4	163.6	162.7	162.7	162.3	162.3	161.9	161.9	161.9	161.9
7.5°	152.9	151.7	150.0	148.4	148.0	147.2	146.7	145.9	145.5	145.1	145.5
10°	139.4	136.9	134.0	131.6	129.9	128.7	127.1	125.4	125.4	125.0	125.4
12.5°	139.4	136.9	134.0	131.6	129.9	127.9	126.3	124.2	123.8	123.0	123.8
15°	145.5	143.5	141.0	139.0	137.3	135.3	133.6	131.6	131.2	130.3	131.2
17.5°	158.2	157.0	155.8	154.5	153.3	152.5	151.3	150.0	150.4	150.8	150.4
20°	180.8	182.0	182.8	184.0	184.9	186.1	186.9	188.1	188.1	187.7	188.1
22.5°	215.2	220.1	225.0	230.4	234.9	239.8	244.3	248.8	250.5	252.5	250.9
25°	264.8	276.7	288.2	300.0	309.5	318.9	327.9	337.4	339.0	340.6	339.0
27.5°	316.4	334.1	351.3	368.5	380.0	391.9	403.3	414.8	417.3	420.2	417.7
30°	360.3	381.6	402.5	423.4	435.7	448.0	459.9	472.2	473.4	475.1	473.8
32.5°	405.8	428.3	450.9	473.4	485.7	498.4	510.7	523.4	524.7	525.9	524.7
35°	453.8	478.4	502.5	526.7	539.8	553.0	565.7	578.8	578.8	578.4	578.8
37.5°	506.6	532.5	558.3	584.5	596.8	609.5	621.8	634.5	636.6	639.0	637.0
40°	560.7	589.0	617.3	645.6	658.3	671.4	684.1	696.8	697.7	698.9	698.1
42.5°	618.5	649.7	680.4	711.2	723.9	736.6	748.9	761.6	763.2	764.9	763.2
45°	683.3	715.3	746.8	778.8	791.9	805.5	818.6	832.1	832.5	832.5	832.5
47.5°	746.4	781.3	815.7	850.1	865.3	880.9	896.0	911.2	912.4	913.7	912.4
50°	809.6	845.6	881.7	917.8	931.7	946.1	960.0	974.3	976.8	979.7	977.2
52.5°	870.2	906.3	942.0	977.6	994.4	1011.6	1028.4	1045.3	1047.7	1050.2	1047.7
55°	906.7	946.1	985.0	1023.9	1039.9	1056.3	1072.3	1088.3	1092.4	1096.9	1092.8
57.5°	928.4	966.1	1003.9	1041.6	1057.6	1073.9	1089.9	1105.9	1110.0	1114.5	1110.4
60°	932.9	967.8	1002.6	1037.9	1057.6	1077.2	1096.5	1116.2	1120.3	1124.4	1120.3
62.5°	921.5	962.9	1004.3	1045.7	1065.3	1085.4	1105.1	1124.8	1125.6	1126.8	1126.0
65°	903.8	942.8	981.7	1021.1	1033.4	1045.7	1057.6	1069.8	1071.1	1072.7	1071.5
67.5°	864.9	893.2	921.5	950.2	966.1	982.1	997.7	1013.7	1020.2	1027.2	1020.7
70°	803.4	832.1	860.4	888.7	907.9	927.6	946.9	966.1	969.4	973.1	969.8
72.5°	725.9	757.5	788.7	820.2	836.2	852.2	868.2	884.2	884.2	884.2	884.2
75°	637.4	664.0	690.7	717.7	731.3	744.8	758.3	771.8	772.3	772.7	772.3
77.5°	532.5	555.0	577.1	599.7	611.6	623.9	635.8	648.1	652.6	657.5	653.0
80°	418.1	437.8	457.0	476.7	486.1	495.6	505.0	514.4	517.7	521.0	517.7
82.5°	293.9	309.1	324.2	339.4	346.0	352.9	359.5	366.0	367.7	369.3	367.7
85°	154.1	164.8	175.0	185.7	190.2	194.7	198.8	203.3	204.5	206.2	205.0
87.5°	18.0	19.3	20.1	20.9	23.4	25.8	27.9	30.3	29.1	27.9	29.1
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

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CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	173.4	173.8	174.2	174.2	174.6	175.0	175.0	175.4	175.4	175.8	176.3
5°	161.9	162.3	162.3	162.7	162.7	163.6	164.4	164.8	165.6	166.4	167.7
7.5°	145.9	146.7	147.2	148.0	148.4	150.0	151.7	152.9	154.5	156.2	157.8
10°	125.4	127.1	128.7	129.9	131.6	134.0	136.9	139.4	141.8	144.3	147.2
12.5°	124.2	126.3	127.9	129.9	131.6	134.0	136.9	139.4	141.8	144.3	146.7
15°	131.6	133.6	135.3	137.3	139.0	141.0	143.5	145.5	147.6	149.6	152.1
17.5°	150.0	151.3	152.5	153.3	154.5	155.8	157.0	158.2	159.5	160.7	162.3
20°	188.1	186.9	186.1	184.9	184.0	182.8	182.0	180.8	179.5	179.5	179.5
22.5°	248.8	244.3	239.8	234.9	230.4	225.0	220.1	214.8	209.9	207.4	205.4
25°	337.4	327.9	318.9	309.5	300.0	288.2	276.7	264.8	252.9	245.9	239.4
27.5°	414.8	403.3	391.9	380.0	368.5	351.3	334.1	316.4	299.2	287.3	275.9
30°	472.2	459.9	448.0	435.7	423.4	402.5	381.6	360.3	339.4	323.4	307.8
32.5°	523.4	510.7	498.4	485.7	473.4	450.9	428.3	405.8	383.3	363.2	343.1
35°	578.8	565.7	553.0	539.8	526.7	502.5	478.4	453.8	429.6	404.2	379.2
37.5°	634.5	621.8	609.5	596.8	584.5	558.3	532.5	506.2	480.4	449.3	418.1
40°	696.8	684.1	671.4	658.3	645.6	617.3	589.0	560.7	532.5	496.8	461.1
42.5°	761.6	748.9	736.6	723.9	711.2	680.4	649.7	618.5	587.8	547.2	507.1
45°	832.1	818.6	805.5	791.9	778.8	746.8	715.3	683.3	651.3	605.4	559.5
47.5°	911.2	896.0	880.9	865.3	850.1	815.7	781.3	746.4	712.0	662.0	612.4
50°	974.3	960.0	946.1	931.7	917.8	881.7	845.6	809.6	773.5	719.0	664.5
52.5°	1045.3	1028.4	1011.6	994.4	977.6	942.0	906.3	870.2	834.6	773.9	713.2
55°	1088.3	1072.3	1056.3	1039.9	1023.9	985.0	946.1	906.7	867.8	806.7	745.6
57.5°	1105.9	1089.9	1073.9	1057.6	1041.6	1003.9	966.1	928.4	890.7	828.4	766.5
60°	1116.2	1096.5	1077.2	1057.6	1037.9	1002.6	967.8	932.5	897.7	834.6	771.8
62.5°	1124.8	1105.1	1085.4	1065.3	1045.7	1004.3	962.9	921.5	880.1	821.9	763.6
65°	1069.8	1057.6	1045.7	1033.4	1021.1	981.7	942.8	903.4	864.5	806.3	748.5
67.5°	1013.7	997.7	982.1	966.1	950.2	921.5	893.2	864.5	836.2	776.4	716.9
70°	966.1	946.9	927.6	907.9	888.7	860.4	832.1	803.4	775.1	720.2	665.3
72.5°	884.2	868.2	852.2	836.2	820.2	788.7	757.5	725.9	694.4	648.1	601.7
75°	771.8	758.3	744.8	731.3	717.7	690.7	664.0	637.0	610.3	570.2	530.4
77.5°	648.1	635.8	623.9	611.6	599.7	577.1	555.0	532.5	509.9	475.1	440.6
80°	514.4	505.0	495.6	486.1	476.7	457.0	437.8	418.1	398.4	370.6	343.1
82.5°	366.0	359.5	352.9	346.0	339.4	324.2	309.1	293.9	278.7	259.1	239.4
85°	203.3	198.8	194.7	190.2	185.7	175.0	164.8	154.1	143.5	132.4	121.7
87.5°	30.3	27.9	25.8	23.4	20.9	20.1	19.3	18.0	17.2	16.4	16.0
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	176.7	177.1	177.5	177.9	177.9	178.3	178.7	179.1	179.5	179.9	180.4
5°	168.5	169.3	170.5	171.7	172.6	173.8	175.0	175.8	177.1	177.9	178.7
7.5°	159.5	161.1	162.7	164.4	165.6	167.2	168.5	169.7	170.9	172.2	173.4
10°	149.6	152.1	154.1	156.2	158.2	160.3	161.9	163.6	164.8	166.4	167.7
12.5°	149.2	151.7	153.7	155.8	157.8	159.9	161.5	163.1	164.4	166.0	167.2
15°	154.1	156.2	158.2	160.7	162.7	164.8	166.8	168.5	170.5	172.2	173.4
17.5°	163.6	164.8	166.8	169.3	171.3	173.4	175.4	177.5	179.1	181.2	182.0
20°	179.5	179.5	181.2	182.8	184.5	186.1	187.3	188.6	189.8	191.0	190.6
22.5°	203.3	200.9	200.9	200.9	200.4	200.4	200.4	200.4	200.0	200.0	198.4
25°	232.4	225.4	223.0	220.5	217.7	215.2	213.6	211.9	209.9	208.2	206.2
27.5°	264.0	252.1	246.4	240.6	234.5	228.7	226.3	223.8	220.9	218.5	216.0
30°	291.9	275.9	267.3	258.2	249.6	240.6	238.2	235.7	232.8	230.4	226.7
32.5°	322.6	302.5	290.6	278.7	266.8	255.0	251.7	248.0	244.7	241.0	236.1
35°	353.7	328.3	314.0	299.2	284.9	270.1	264.8	259.5	254.1	248.8	243.5
37.5°	386.9	355.8	338.2	320.5	302.9	285.3	277.9	270.5	263.2	255.8	250.5
40°	425.1	389.4	366.5	343.9	321.0	298.0	289.4	281.2	272.6	264.0	258.2
42.5°	466.9	426.3	398.0	369.3	341.0	312.3	302.1	291.9	281.6	271.4	265.2
45°	513.2	467.3	433.3	399.2	364.8	330.8	318.1	305.0	292.3	279.1	272.6
47.5°	562.4	512.4	471.8	431.6	391.0	350.5	334.1	318.1	301.7	285.3	278.3
50°	609.9	555.4	507.9	460.7	413.2	365.6	346.4	327.5	308.2	289.0	282.0
52.5°	652.2	591.5	539.0	486.6	433.7	381.2	359.1	336.9	314.8	292.7	285.3
55°	684.1	623.1	566.5	509.9	452.9	396.4	370.6	344.7	318.5	292.7	284.9
57.5°	704.6	642.3	582.1	521.4	461.1	400.5	371.8	343.1	314.4	285.7	277.5
60°	708.7	645.6	583.7	522.2	460.3	398.4	367.7	336.5	305.8	274.6	265.6
62.5°	705.4	647.2	584.5	522.2	459.5	396.8	363.2	329.6	295.5	261.9	252.9
65°	690.7	632.5	570.2	507.9	445.6	383.3	348.4	313.6	278.7	243.9	236.1
67.5°	657.5	597.6	539.8	482.5	424.7	366.9	331.2	296.0	260.3	224.6	216.8
70°	609.9	555.0	503.0	450.5	398.4	346.0	311.1	275.9	241.0	205.8	197.2
72.5°	555.0	508.7	461.1	413.2	365.6	317.7	284.1	250.5	216.4	182.8	174.2
75°	490.7	450.5	407.0	363.6	319.7	276.3	246.4	216.0	186.1	155.8	147.6
77.5°	406.2	371.4	335.7	299.6	264.0	227.9	202.5	176.7	151.3	125.4	118.5
80°	315.2	287.3	259.1	231.2	202.9	174.6	154.9	135.3	115.6	95.9	89.8
82.5°	219.7	200.0	179.9	159.9	139.4	119.3	105.8	92.6	79.1	65.6	61.1
85°	110.7	99.6	89.8	79.9	69.7	59.8	54.1	48.0	42.2	36.1	34.0
87.5°	15.2	14.3	14.3	13.9	13.9	13.5	13.5	13.5	13.5	13.5	13.5
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9
2.5°	180.4	180.8	180.8	181.2	181.2	181.6	181.6	181.6	182.0	182.0	182.0
5°	179.1	179.9	180.8	181.2	182.0	182.4	182.8	183.2	183.2	183.6	183.6
7.5°	174.2	175.4	176.3	177.1	177.5	178.3	179.1	179.5	179.9	179.9	180.4
10°	168.5	169.7	170.5	171.3	172.2	173.0	173.8	174.2	174.6	174.6	175.0
12.5°	168.5	170.1	171.3	172.2	172.6	173.4	174.2	174.6	174.6	175.0	175.0
15°	174.6	175.8	177.1	177.9	178.3	179.1	179.5	179.5	179.9	179.9	179.9
17.5°	182.4	183.2	184.0	184.0	184.0	184.0	184.0	183.6	183.6	183.2	182.8
20°	190.2	189.4	189.0	188.1	187.3	186.5	185.7	184.9	184.5	183.6	182.8
22.5°	196.8	195.1	193.5	192.2	191.0	189.4	188.1	187.3	186.1	185.3	184.0
25°	203.7	201.7	199.2	197.6	196.3	194.7	193.1	191.8	191.0	189.8	188.6
27.5°	213.1	210.7	207.8	205.8	203.7	201.3	199.2	198.0	196.8	195.1	193.9
30°	223.4	219.7	216.0	212.7	209.5	205.8	202.5	200.4	198.4	196.3	194.3
32.5°	231.2	226.3	221.3	217.2	213.1	208.6	204.5	202.1	200.0	197.6	195.1
35°	238.2	232.4	227.1	222.6	218.1	213.6	209.1	206.6	204.1	201.3	198.8
37.5°	245.1	239.4	234.1	229.1	224.2	218.9	214.0	211.1	208.2	205.0	202.1
40°	252.9	247.2	241.4	235.7	230.0	224.2	218.5	215.2	211.5	208.2	204.5
42.5°	259.1	252.5	246.4	240.2	234.1	227.9	221.8	218.1	214.8	211.1	207.4
45°	265.6	259.1	252.1	245.5	239.4	232.8	226.3	222.6	218.9	214.8	211.1
47.5°	271.4	264.0	257.0	250.5	243.9	236.9	230.4	226.3	222.2	217.7	213.6
50°	274.6	267.7	260.3	253.3	246.4	239.0	232.0	227.9	223.4	219.3	214.8
52.5°	277.9	270.1	262.7	255.4	248.0	240.6	233.2	228.7	223.8	219.3	214.4
55°	276.7	268.9	260.7	253.3	245.5	238.2	230.4	225.4	220.5	215.6	210.7
57.5°	268.9	260.7	252.1	245.1	238.2	230.8	223.8	219.7	215.2	211.1	206.6
60°	257.0	248.0	239.0	233.2	227.9	222.2	216.4	212.3	208.6	204.5	200.4
62.5°	243.9	234.9	225.9	220.9	216.4	211.5	206.6	202.1	198.0	193.5	189.0
65°	227.9	220.1	211.9	206.6	201.3	195.5	190.2	186.1	182.0	177.9	173.8
67.5°	209.1	201.3	193.5	188.1	182.8	177.1	171.7	168.5	165.2	161.5	158.2
70°	188.6	179.9	171.3	166.8	162.7	158.2	153.7	150.8	148.4	145.5	142.6
72.5°	165.6	156.6	148.0	144.7	141.0	137.7	134.0	131.6	128.7	126.3	123.4
75°	139.4	131.2	123.0	120.5	118.1	115.2	112.7	110.3	107.8	104.9	102.5
77.5°	111.5	104.5	97.6	95.5	93.9	91.8	89.8	87.3	84.8	82.0	79.5
80°	83.6	77.5	71.3	70.1	68.5	67.2	65.6	63.5	61.9	59.8	57.8
82.5°	56.6	52.1	47.5	46.7	45.9	44.7	43.9	41.8	40.2	38.1	36.1
85°	32.0	29.5	27.5	26.6	26.2	25.4	24.6	23.0	21.7	20.1	18.4
87.5°	13.5	13.1	13.1	13.1	13.1	12.7	12.7	11.1	9.8	8.2	6.6
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	179.9	179.9
2.5°	182.0	182.0
5°	183.6	183.6
7.5°	180.4	180.4
10°	175.4	175.8
12.5°	175.4	175.4
15°	179.9	179.9
17.5°	182.8	182.8
20°	182.8	182.8
22.5°	184.0	183.6
25°	188.6	188.6
27.5°	193.5	193.1
30°	193.9	193.5
32.5°	194.7	193.9
35°	198.0	196.8
37.5°	200.9	199.6
40°	203.3	201.7
42.5°	205.8	204.1
45°	209.5	207.8
47.5°	212.3	210.7
50°	213.1	211.1
52.5°	212.3	210.3
55°	209.1	207.0
57.5°	204.5	202.5
60°	198.4	196.3
62.5°	186.5	183.6
65°	170.9	168.1
67.5°	155.8	153.3
70°	140.2	137.3
72.5°	120.9	118.1
75°	100.0	97.1
77.5°	77.1	74.6
80°	55.7	53.7
82.5°	33.6	31.2
85°	16.4	13.9
87.5°	4.9	2.9
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: P1445194

CATALOG NUMBER: TPTN-VA1-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-1

Test Date: 11/15/2024

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

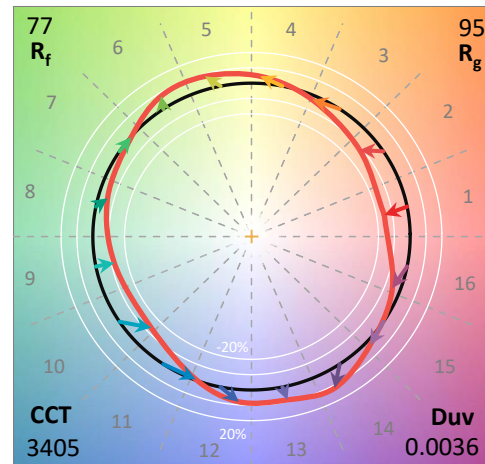
Data in this report applies to families of products including TTN-D0-735-U-WQ

Test Information

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

Spectral Parameters

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



Test Conditions

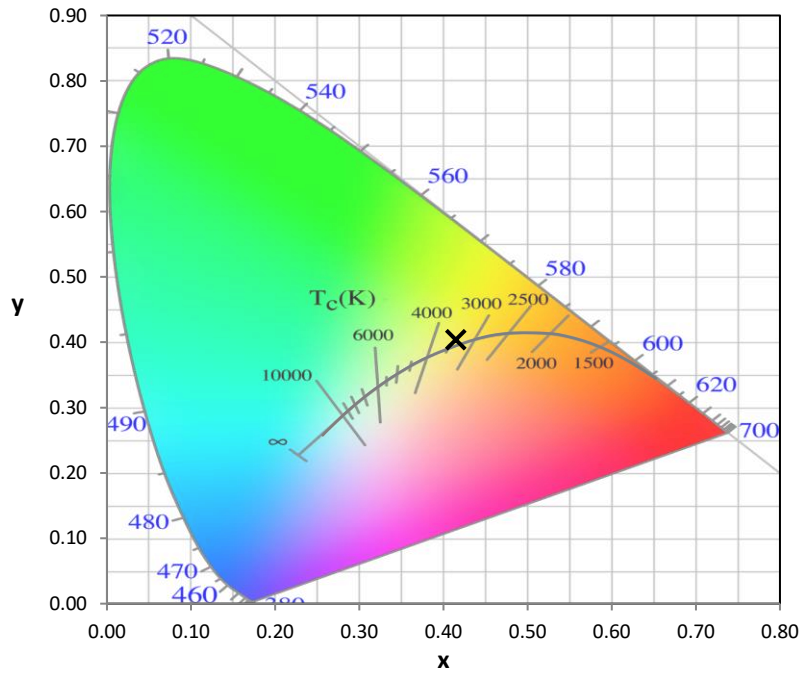
Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2411-284-1

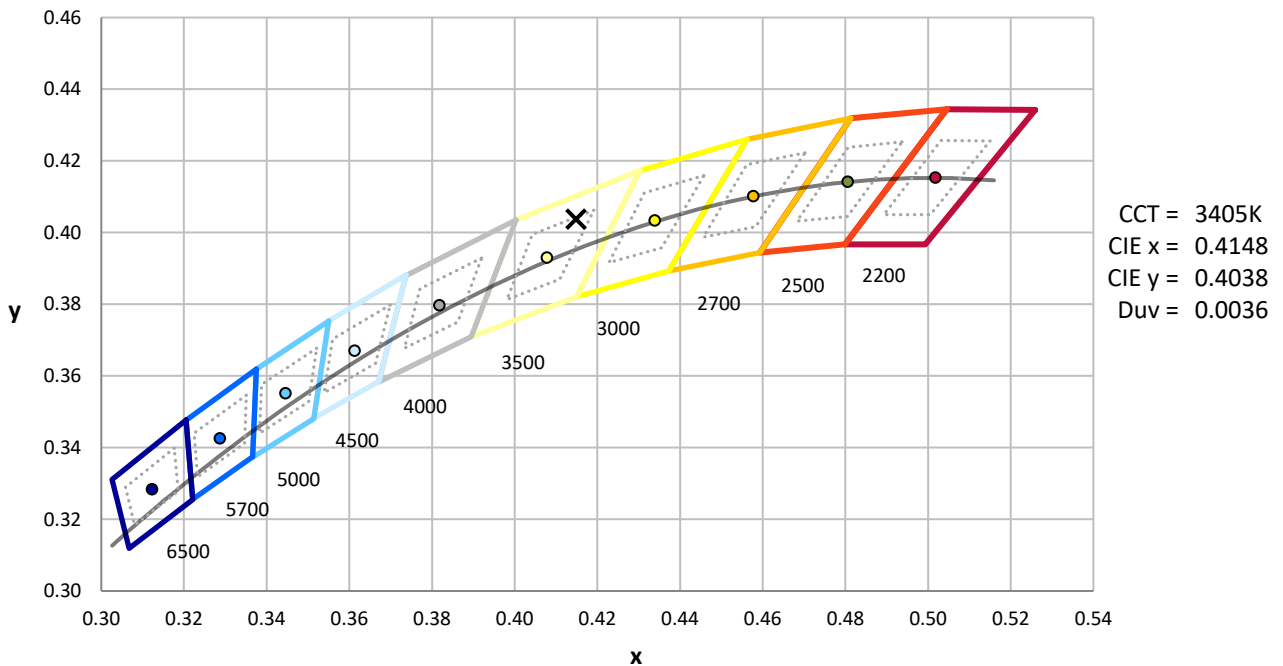
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2411-284-1

CIE 1931 Chromaticity Diagram



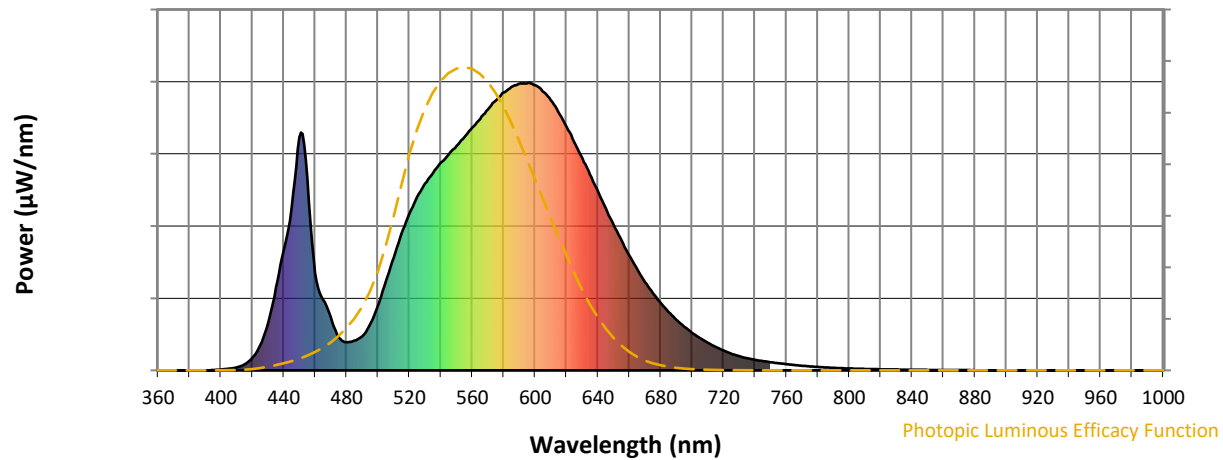
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-1

Photopic Flux vs. Wavelength

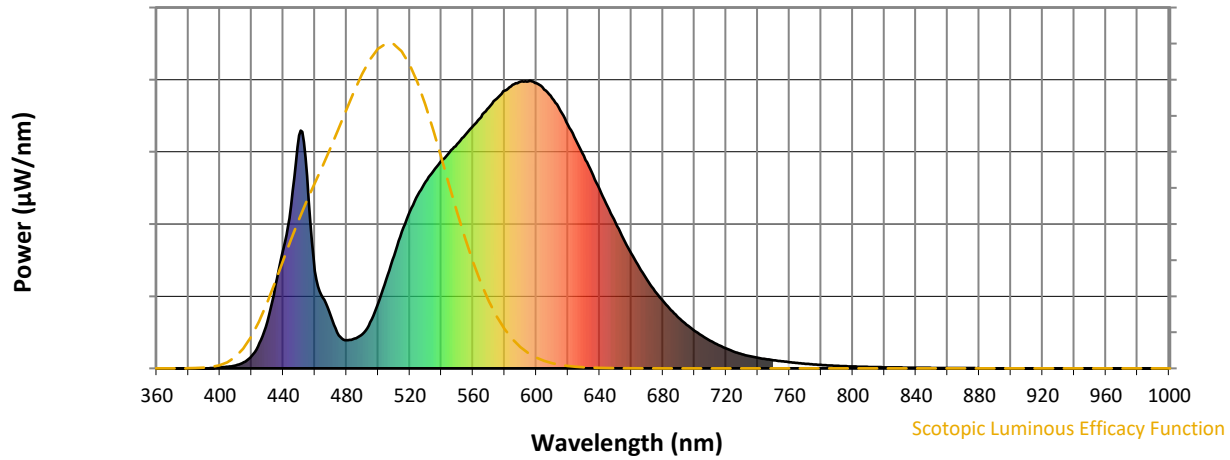


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2411-284-1

Scotopic Flux vs. Wavelength



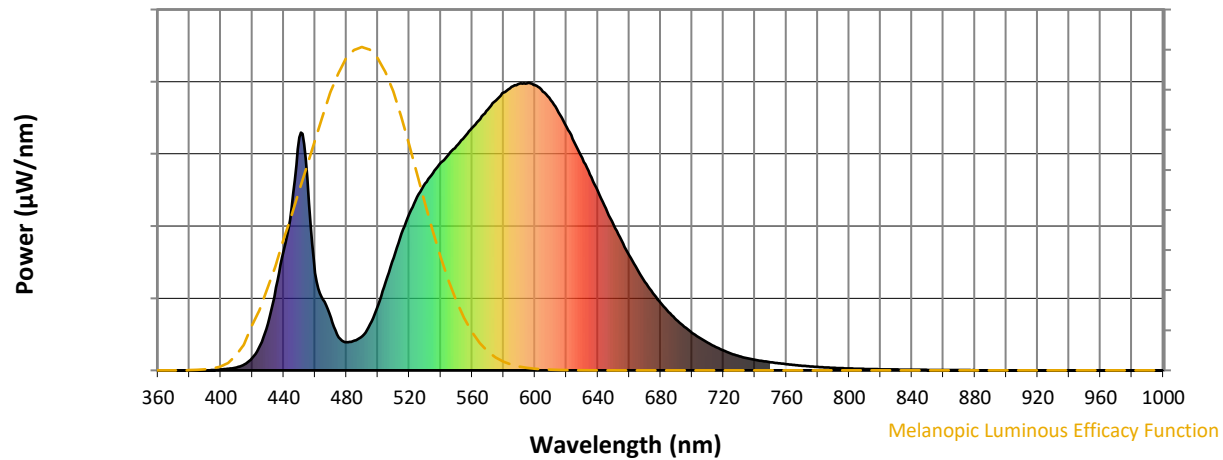
Scotopic Lumens: NR

S/P: 1.33

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

REPORT NUMBER: SP1-2411-284-1

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.47

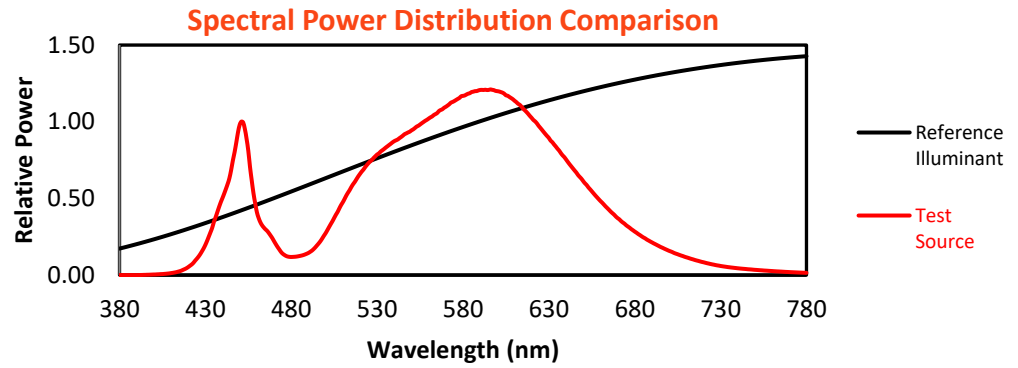
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	846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

REPORT NUMBER: SP1-2411-284-1

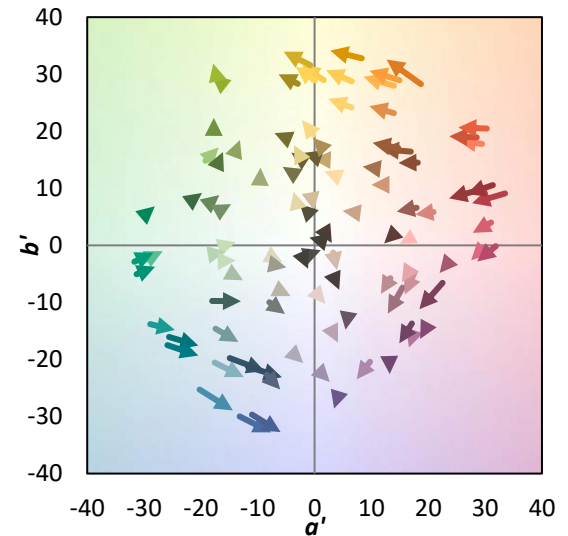
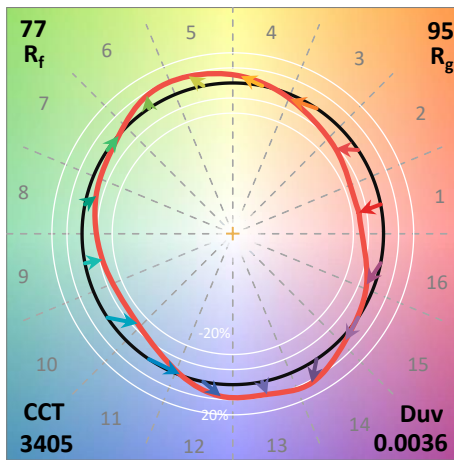
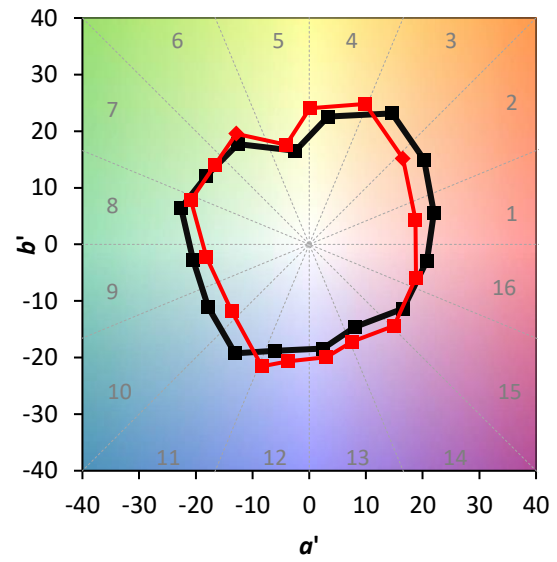
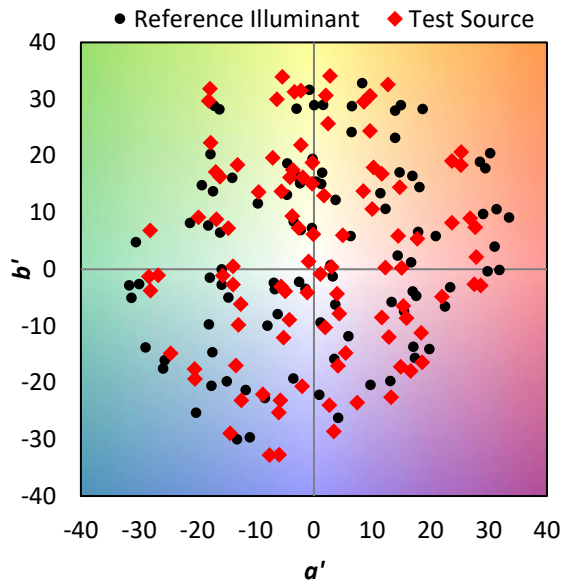
TM-30-18

Summary

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

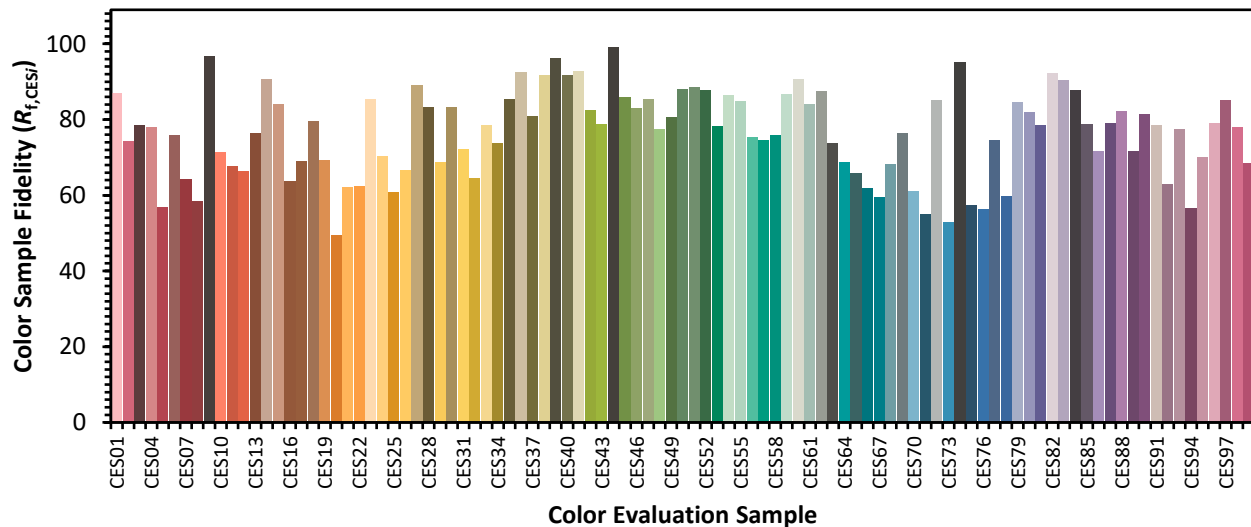


Color Vector Graphics

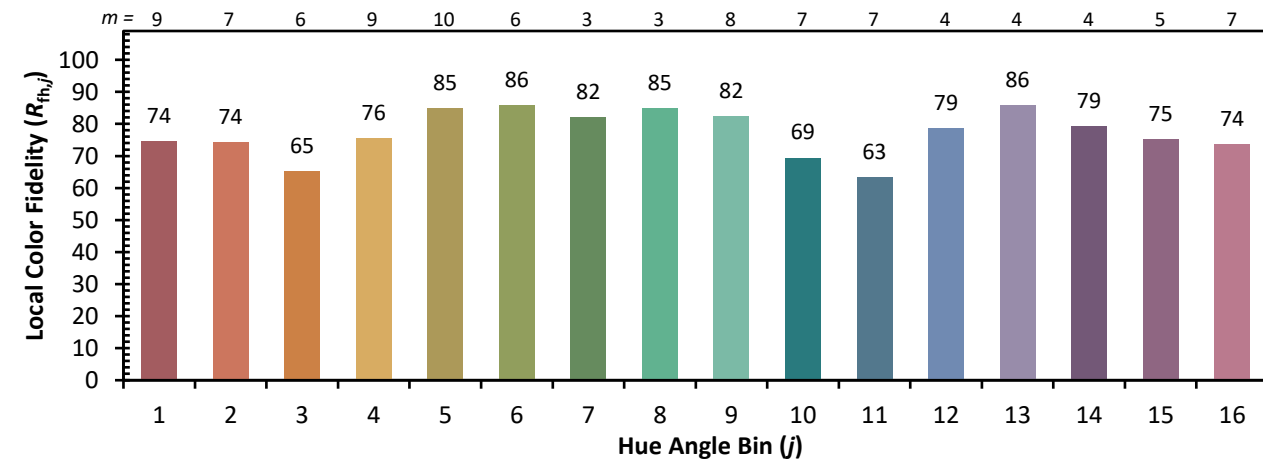
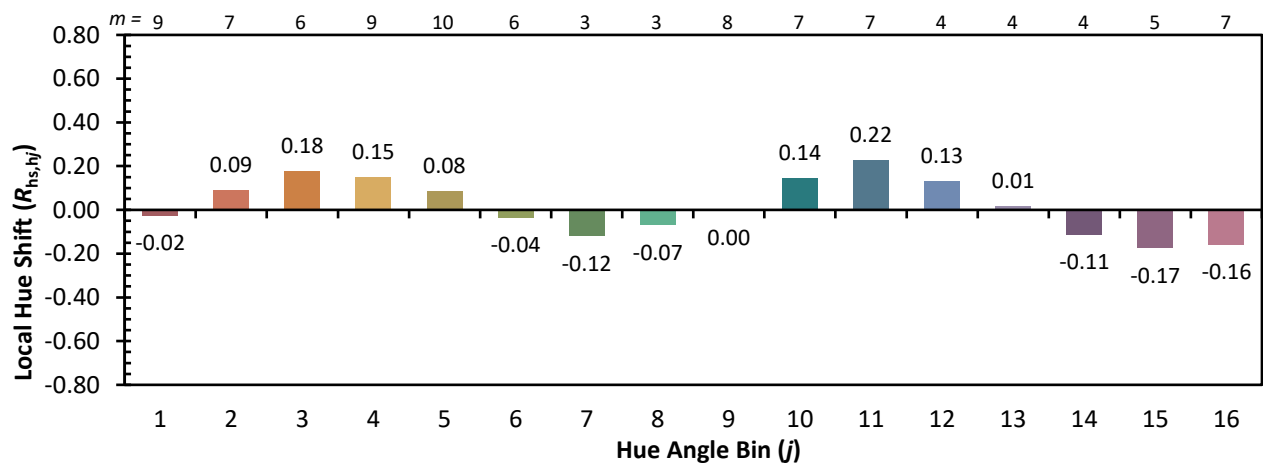
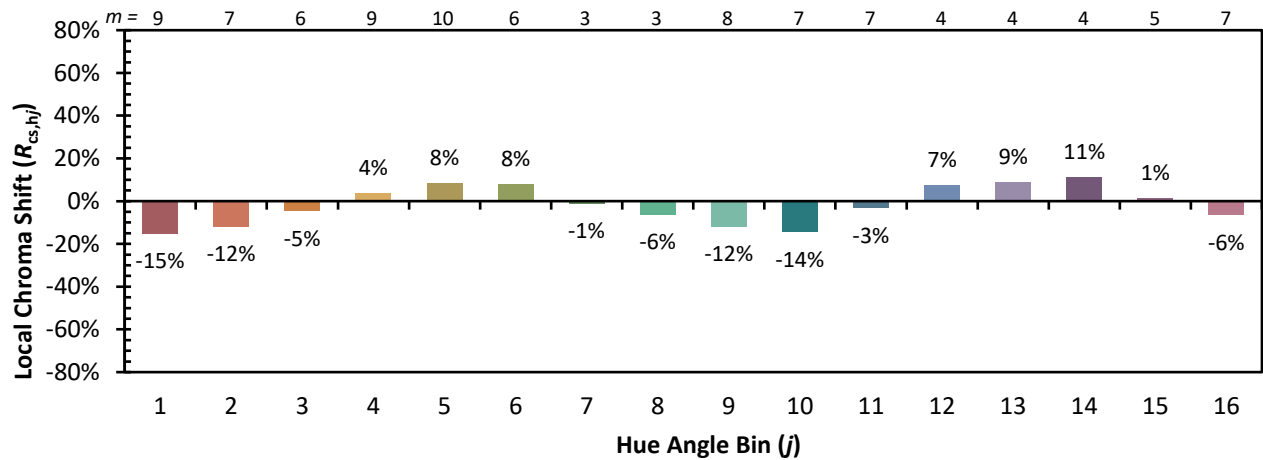


Individual Sample Fidelity Index ($R_{f,i}$)

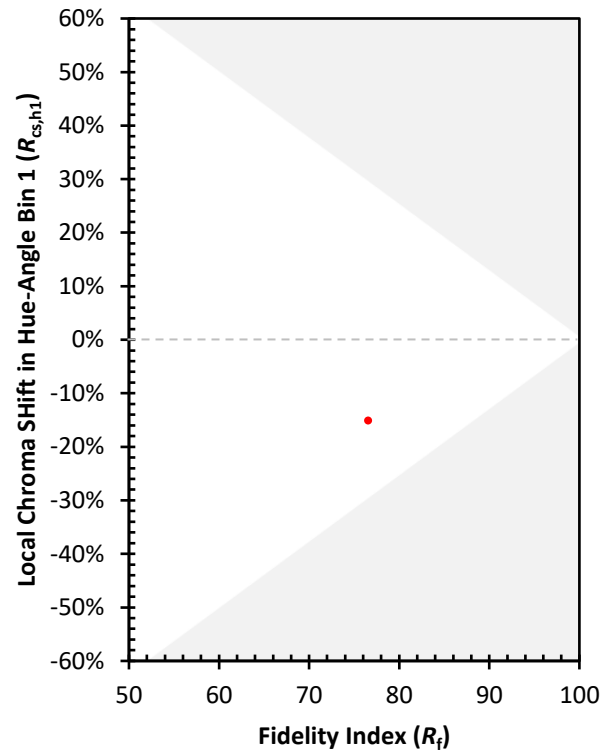
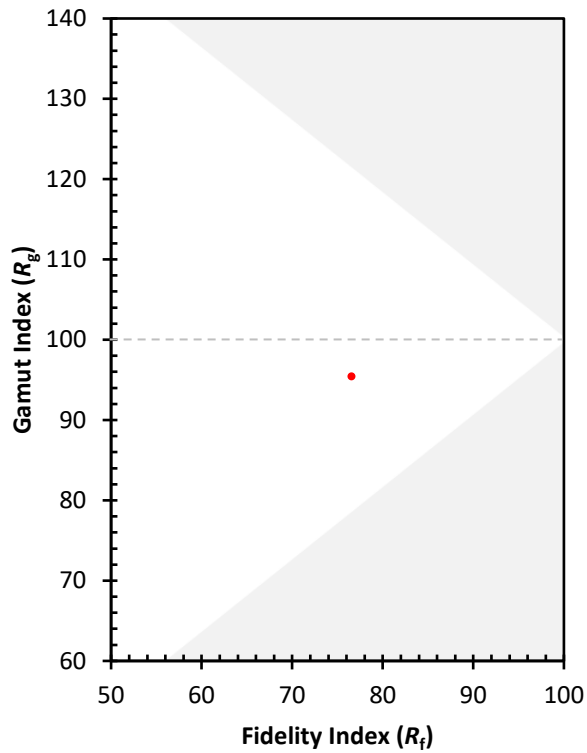
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CES02 = 62	CES27 = 89	CES52 = 88	CES77 = 75
CES03 = 31	CES28 = 83	CES53 = 78	CES78 = 60
CES04 = 70	CES29 = 69	CES54 = 86	CES79 = 85
CES05 = 48	CES30 = 83	CES55 = 85	CES80 = 82
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 78
CES07 = 41	CES32 = 65	CES57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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)