

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: P1445210

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

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445210
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-CG-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 27W 70CRI 3500K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC AND GLASS
Light Source: 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2372.5 lumens
Efficiency: N/A
Efficacy: 88.9 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

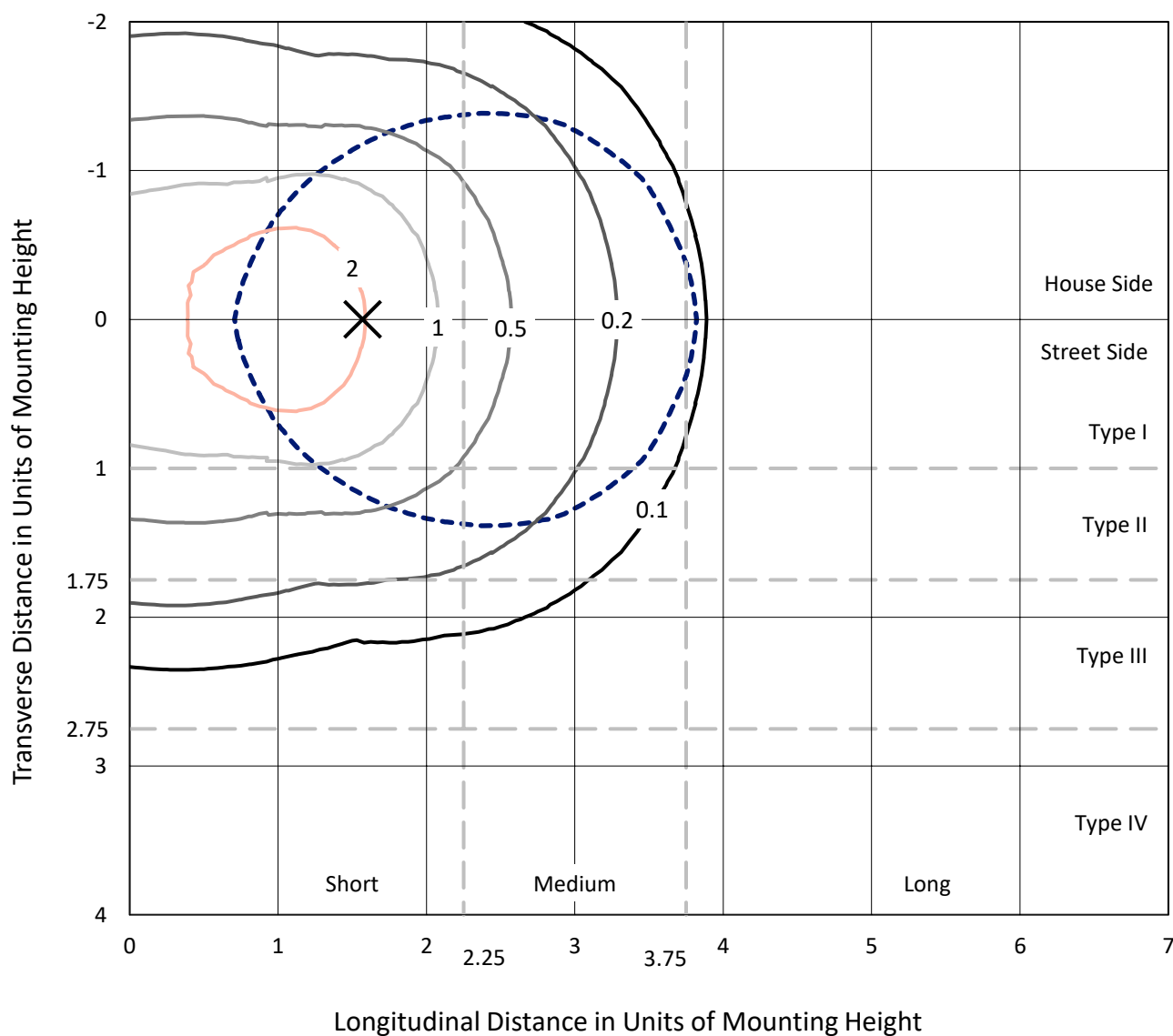
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CATALOG NUMBER: TPTN-VA1-735-U-RW-CG-GM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



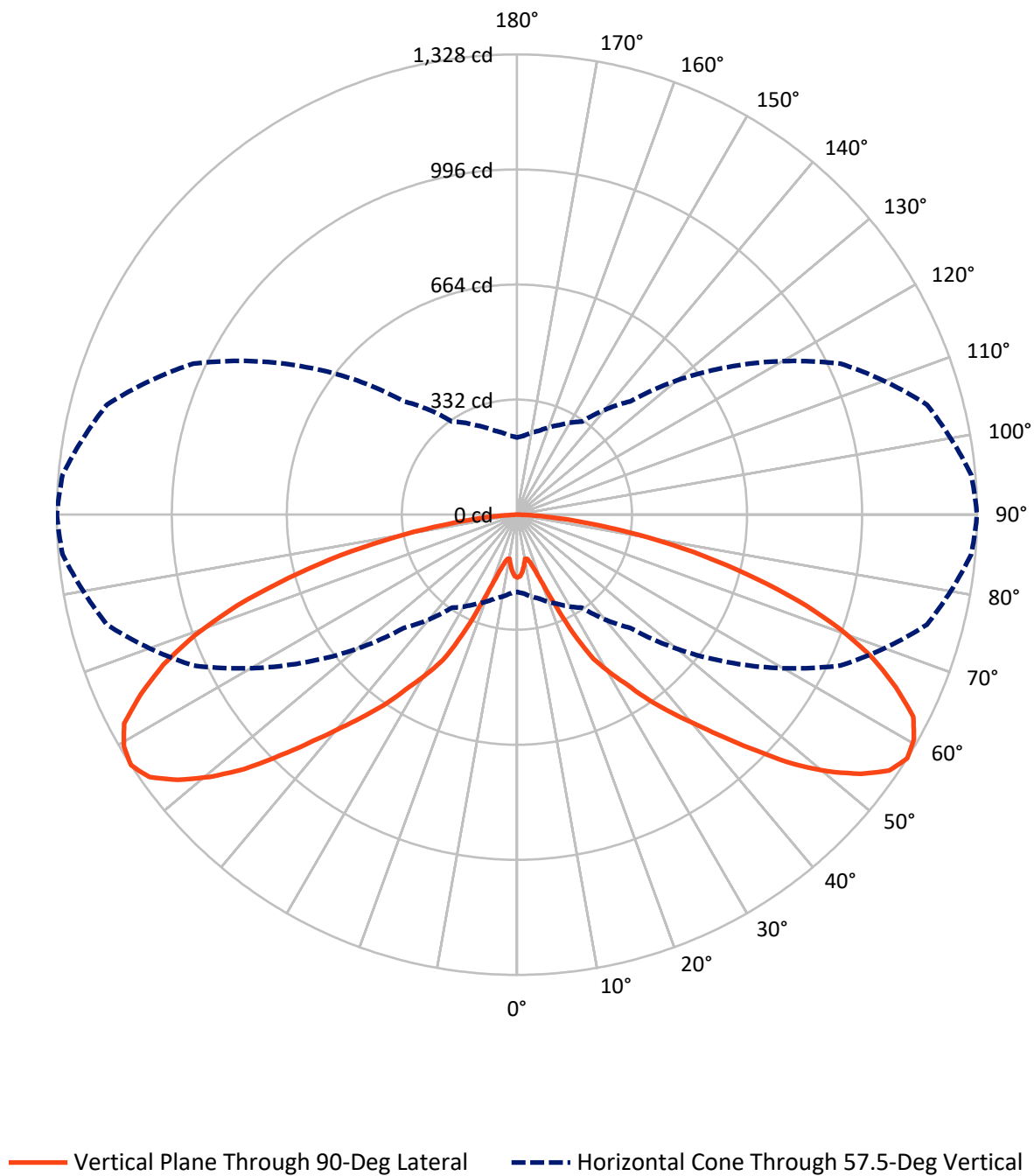
Based on 10 foot mounting height. Maximum calculated value = 3.6 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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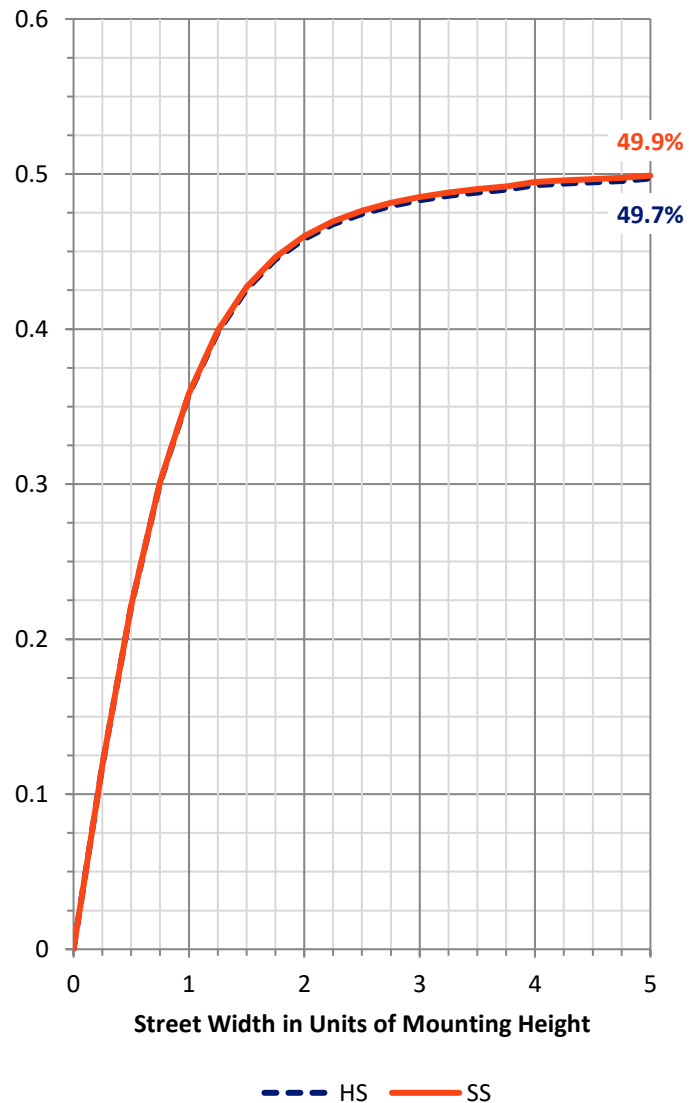
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1186.3	0.0	1186.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1186.3	0.0	1186.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2372.5	0.0	2372.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.7
10°-20°	49.2	2.1
20°-30°	120.3	5.1
30°-40°	237.5	10.0
40°-50°	402.6	17.0
50°-60°	571.3	24.1
60°-70°	568.0	23.9
70°-80°	340.9	14.4
80°-90°	66.7	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2372.5	100.0
0°-180°	2372.5	100.0

Coefficient of Utilization



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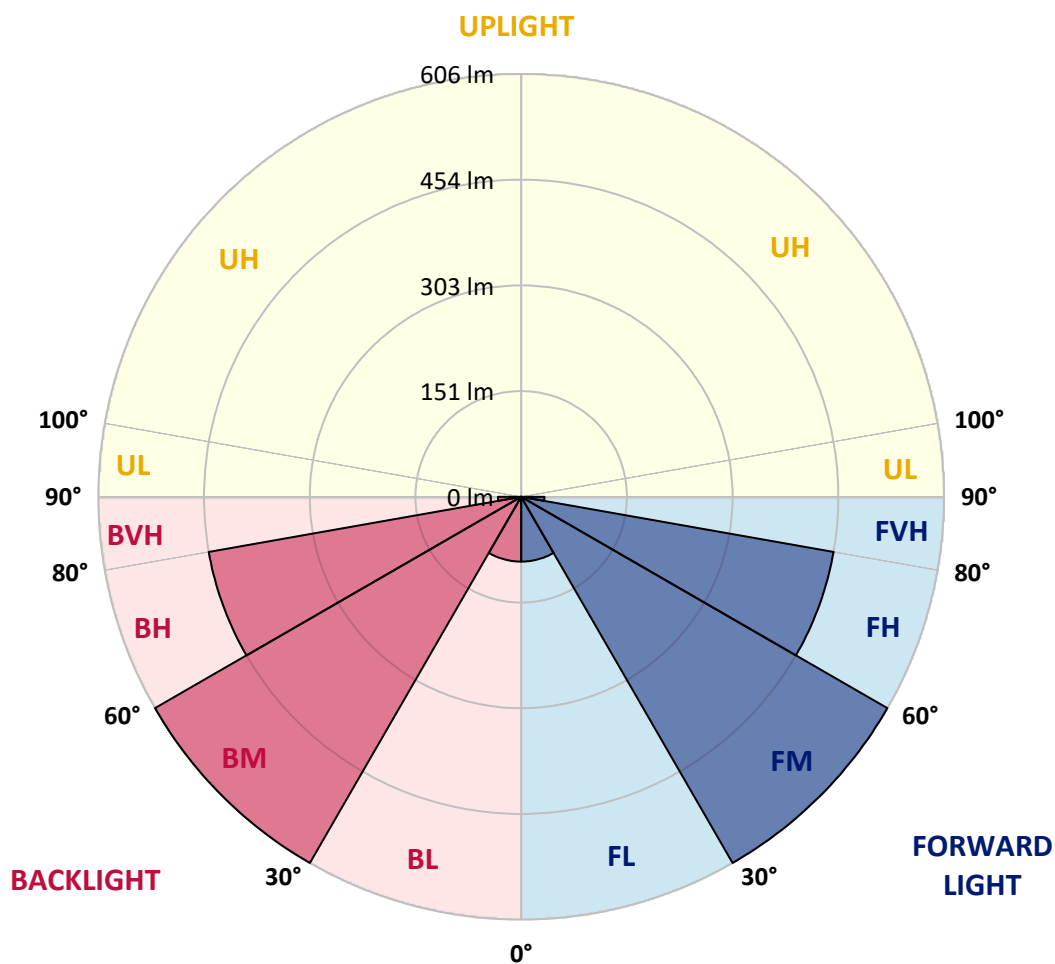
CATALOG NUMBER: TPTN-VA1-735-U-RW-CG-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.8	3.9			
FM	(30°-60°)	605.7	25.5			
FH	(60°-80°)	454.5	19.2			G0/660
FVH	(80°-90°)	33.3	1.4			G1/100
BL	(0°-30°)	92.8	3.9	B0/110		
BM	(30°-60°)	605.7	25.5	B1/1000		
BH	(60°-80°)	454.4	19.2	B1/500		G1/500
BVH	(80°-90°)	33.3	1.4			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°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	182.3	182.3	182.3	182.3	182.3	181.8	181.8	181.8	181.8	181.8	181.8
5°	182.7	182.7	182.3	182.3	181.8	181.8	181.4	180.9	180.9	180.5	180.0
7.5°	180.5	180.5	180.5	180.5	180.0	180.0	179.6	179.1	178.7	178.3	177.8
10°	179.1	179.1	179.1	179.1	179.1	178.7	178.7	178.3	177.8	176.9	176.5
12.5°	179.6	180.0	180.0	180.5	180.5	180.9	180.9	180.5	180.5	180.0	179.6
15°	183.1	183.6	183.6	184.0	184.5	184.9	185.4	185.4	185.4	184.9	184.9
17.5°	186.7	187.6	188.0	188.9	189.3	190.2	190.7	190.7	190.7	190.2	190.2
20°	191.1	192.0	192.5	193.8	194.7	196.0	196.9	196.9	196.4	196.4	196.0
22.5°	195.1	196.0	196.9	198.2	200.0	201.3	202.7	202.7	203.1	203.1	203.1
25°	199.5	200.9	201.8	203.5	205.3	206.6	208.4	209.3	210.6	211.5	212.4
27.5°	204.0	205.3	206.6	208.4	210.2	212.0	213.7	216.0	217.7	219.9	221.7
30°	208.0	209.3	210.6	212.9	214.6	216.8	218.6	221.7	224.8	227.9	231.0
32.5°	211.5	213.3	215.1	217.3	219.5	221.7	223.9	227.9	232.4	236.4	240.3
35°	215.5	217.3	219.1	221.7	224.4	226.6	229.3	234.6	239.5	244.8	249.7
37.5°	219.1	221.3	223.0	226.2	229.3	231.9	235.0	240.8	247.0	252.8	258.5
40°	223.0	225.3	227.5	231.0	234.6	237.7	241.2	247.9	254.5	261.2	267.8
42.5°	226.6	228.8	231.0	235.0	239.5	243.4	247.4	254.5	261.6	268.3	275.4
45°	230.6	232.8	235.0	239.5	243.9	248.3	252.8	260.7	268.3	276.3	283.8
47.5°	234.1	236.4	238.6	243.4	248.3	253.2	258.1	266.5	274.9	282.9	291.3
50°	234.6	237.2	239.5	244.8	250.1	255.0	260.3	269.2	278.0	286.5	295.3
52.5°	234.6	237.2	239.5	244.8	250.5	255.9	261.2	270.5	279.4	288.7	297.5
55°	231.0	233.7	235.9	241.7	247.4	252.8	258.5	267.8	276.7	286.0	294.9
57.5°	222.6	225.7	228.4	234.1	239.9	245.2	251.0	259.4	267.8	276.3	284.7
60°	211.1	214.2	217.3	222.6	227.9	232.8	238.1	246.1	254.1	261.6	269.6
62.5°	197.3	200.4	203.1	208.0	212.9	217.7	222.6	229.3	236.4	243.0	249.7
65°	177.8	181.4	184.9	189.3	194.2	198.7	203.1	209.3	215.5	221.7	227.9
67.5°	157.0	160.5	163.6	167.6	171.6	175.2	179.1	184.9	190.7	196.4	202.2
70°	135.7	138.8	141.5	144.6	148.1	151.2	154.3	159.2	164.1	168.5	173.4
72.5°	109.5	112.6	115.7	118.8	121.9	125.0	128.2	132.1	135.7	139.7	143.2
75°	85.6	88.2	90.9	93.6	96.7	99.3	102.0	104.7	107.8	110.4	113.1
77.5°	60.8	63.9	66.5	68.7	71.4	73.6	75.8	77.6	79.4	81.1	82.9
80°	38.6	40.8	43.0	45.2	47.4	49.2	51.4	52.3	53.7	54.5	55.4
82.5°	19.5	21.7	23.9	25.7	27.9	29.7	31.5	31.9	32.8	33.3	33.7
85°	6.2	8.9	11.5	12.9	14.6	16.0	17.3	17.7	17.7	18.2	18.2
87.5°	0.9	3.1	5.3	6.7	8.4	9.8	11.1	11.1	11.1	11.1	11.1
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	181.8	181.4	181.4	180.9	180.9	180.5	180.5	180.0	180.0	180.0	179.6
5°	179.6	179.1	178.3	177.8	177.4	176.9	176.0	175.6	174.7	173.8	172.9
7.5°	176.9	176.0	175.2	174.3	172.9	171.2	169.8	168.1	166.3	165.0	163.2
10°	175.2	174.3	172.9	171.6	169.4	167.2	165.0	162.7	160.1	157.9	155.2
12.5°	178.3	176.9	175.2	173.8	171.6	169.0	166.7	164.1	161.4	158.8	156.1
15°	183.6	181.8	180.5	178.7	176.5	174.3	172.1	169.8	168.1	166.3	164.1
17.5°	188.9	188.0	186.7	185.4	184.0	183.1	181.8	180.5	179.6	178.3	177.4
20°	196.0	195.6	195.6	195.1	195.1	195.1	195.1	195.1	194.7	194.7	194.2
22.5°	204.4	205.3	206.6	207.5	208.9	210.2	211.1	212.4	213.7	215.1	216.0
25°	215.1	217.3	219.9	222.2	223.9	226.2	227.9	229.7	233.2	237.2	240.8
27.5°	225.3	229.3	232.8	236.4	239.0	241.7	244.3	247.0	253.6	260.3	267.0
30°	235.5	240.3	244.8	249.2	252.8	256.3	259.9	263.4	274.0	284.2	294.9
32.5°	245.7	250.5	255.9	260.7	266.1	271.8	277.1	282.5	296.7	310.9	324.6
35°	255.4	260.7	266.5	271.8	279.4	287.3	294.9	302.4	319.7	337.0	354.3
37.5°	264.7	271.4	277.6	283.8	293.6	303.3	312.6	322.4	343.2	364.1	384.5
40°	274.9	282.0	288.7	295.8	307.3	318.4	329.9	341.0	367.6	394.2	420.4
42.5°	283.4	291.3	299.3	307.3	321.0	334.4	348.1	361.4	394.7	428.4	461.6
45°	292.7	301.5	310.4	319.3	335.7	352.1	368.1	384.5	425.3	465.6	506.4
47.5°	301.1	310.4	320.2	329.5	349.9	369.8	390.2	410.2	458.1	506.4	554.3
50°	305.1	315.3	325.0	334.8	358.7	382.2	406.2	429.7	485.1	540.6	596.0
52.5°	308.2	318.4	329.0	339.2	366.3	393.3	420.4	447.4	508.2	568.5	629.2
55°	306.0	316.6	327.7	338.3	368.9	399.5	430.1	460.7	526.8	592.4	658.5
57.5°	295.3	306.4	317.1	327.7	361.4	395.1	428.4	462.1	532.1	601.7	671.8
60°	280.3	291.3	302.0	312.6	348.1	384.0	419.5	455.0	525.0	595.5	665.6
62.5°	261.2	272.7	283.8	295.3	333.0	370.3	408.0	445.2	513.9	582.7	651.4
65°	238.6	248.8	259.4	269.6	307.3	345.4	383.1	420.8	487.3	553.4	619.9
67.5°	212.0	221.7	231.0	240.8	277.1	313.5	349.9	386.2	447.4	508.2	569.4
70°	182.7	192.5	201.8	211.1	244.8	278.5	312.2	345.9	399.1	452.3	505.5
72.5°	152.1	161.0	169.4	178.3	208.9	239.0	269.6	299.8	345.0	390.2	435.5
75°	120.6	127.7	135.2	142.3	167.6	192.9	218.2	243.4	281.1	318.8	356.1
77.5°	88.7	94.5	100.2	106.0	125.5	144.6	164.1	183.1	212.4	241.7	270.9
80°	59.9	64.3	68.7	73.2	86.0	98.9	111.3	124.2	143.7	162.7	182.3
82.5°	36.4	39.0	41.7	44.3	52.3	59.9	67.8	75.4	86.9	98.9	110.4
85°	19.5	20.4	21.7	22.6	26.2	29.3	32.8	35.9	40.8	46.1	51.0
87.5°	11.1	11.1	11.1	11.1	11.1	11.5	11.5	11.5	12.4	12.9	13.7
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	179.6	179.6	179.1	179.1	178.7	178.7	178.7	178.3	178.3	178.3	178.3
5°	172.1	171.2	170.7	169.8	169.0	168.5	168.1	167.6	167.2	166.7	166.3
7.5°	161.4	160.1	158.3	157.0	155.2	153.9	153.0	151.7	150.3	149.4	149.0
10°	152.5	150.3	148.1	145.4	143.2	141.5	139.2	137.5	135.2	134.4	133.0
12.5°	153.4	151.2	149.0	146.3	144.1	142.3	140.6	138.4	136.6	135.2	133.9
15°	162.3	160.5	158.3	156.5	154.3	153.0	151.7	149.9	148.6	147.7	146.8
17.5°	176.0	175.2	173.8	172.9	171.6	171.2	170.3	169.8	169.0	169.0	169.0
20°	193.8	194.7	195.1	196.0	196.4	198.2	200.0	201.8	203.5	205.3	207.5
22.5°	217.3	220.8	224.8	228.4	231.9	237.7	243.4	248.8	254.5	260.3	266.1
25°	244.3	253.2	261.6	270.5	278.9	291.8	304.6	317.5	330.4	341.0	351.6
27.5°	273.6	287.8	302.4	316.6	330.8	349.9	369.4	388.5	407.5	421.3	434.6
30°	305.1	323.7	342.8	361.4	380.0	401.8	423.5	445.2	466.9	480.7	494.4
32.5°	338.8	361.0	383.1	405.3	427.5	451.4	475.8	499.8	523.7	538.3	553.4
35°	371.6	399.1	426.6	454.1	481.6	509.5	537.4	565.4	593.3	607.5	621.7
37.5°	405.3	439.9	474.0	508.6	542.8	573.4	604.0	634.6	665.2	678.5	691.8
40°	447.0	486.9	527.2	567.2	607.1	639.4	671.8	703.7	736.1	749.9	763.6
42.5°	494.9	541.0	586.7	632.8	678.5	713.9	749.0	784.4	819.5	832.8	846.5
45°	546.8	600.4	653.6	707.3	760.5	797.7	834.6	871.8	908.6	922.4	935.7
47.5°	602.2	660.3	718.4	776.5	834.6	875.8	917.0	958.3	999.5	1017.2	1034.5
50°	651.4	715.7	780.5	844.8	909.0	953.4	997.7	1041.6	1086.0	1103.7	1121.5
52.5°	689.5	761.8	834.1	906.4	978.7	1023.0	1067.4	1111.7	1156.0	1175.6	1195.5
55°	724.1	796.4	868.7	941.0	1013.3	1061.1	1108.6	1156.5	1203.9	1225.7	1246.9
57.5°	741.4	813.7	886.0	957.8	1030.1	1078.9	1127.7	1176.4	1225.2	1247.8	1270.9
60°	735.7	809.3	882.9	956.5	1030.1	1075.8	1121.9	1167.6	1213.2	1236.3	1258.9
62.5°	720.1	788.9	858.1	926.8	995.5	1042.1	1089.1	1135.6	1182.2	1204.4	1227.0
65°	686.0	750.7	815.5	879.8	944.5	989.3	1033.7	1078.4	1122.8	1139.6	1156.5
67.5°	630.1	691.8	753.0	814.6	875.8	911.3	946.3	981.8	1016.8	1035.4	1054.1
70°	558.7	613.3	668.3	722.8	777.3	808.8	840.8	872.2	903.7	923.7	943.6
72.5°	480.7	525.5	570.3	614.6	659.4	689.5	719.7	749.9	780.0	794.6	809.7
75°	393.8	429.2	464.7	499.8	535.2	558.7	582.2	605.3	628.8	640.3	651.4
77.5°	300.2	326.8	353.4	379.6	406.2	423.0	439.9	456.3	473.1	483.8	494.4
80°	201.3	220.4	239.5	258.1	277.1	290.9	304.2	317.9	331.2	337.0	342.3
82.5°	121.9	132.6	143.2	153.9	164.5	173.4	181.8	190.7	199.1	201.8	204.9
85°	55.9	60.8	65.6	70.1	74.9	79.4	83.8	87.8	92.2	93.6	95.3
87.5°	14.2	14.6	15.5	16.0	16.4	17.3	17.7	18.6	19.1	20.0	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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	178.3	178.3	178.3	178.3
5°	165.8	165.4	165.4	165.0	165.4	165.4	165.8	166.3	166.7	167.2	167.6
7.5°	148.1	147.2	147.2	147.2	147.2	147.2	148.1	149.0	149.4	150.3	151.7
10°	132.1	130.8	130.4	129.5	130.4	130.8	132.1	133.0	134.4	135.2	137.5
12.5°	132.6	131.3	130.8	130.4	130.8	131.3	132.6	133.9	135.2	136.6	138.4
15°	145.4	144.6	144.1	143.2	144.1	144.6	145.4	146.8	147.7	148.6	149.9
17.5°	168.5	168.5	168.5	168.5	168.5	168.5	168.5	169.0	169.0	169.0	169.8
20°	209.3	211.1	211.5	212.0	211.5	211.1	209.3	207.5	205.3	203.5	201.8
22.5°	271.8	277.6	279.8	282.0	279.8	277.6	271.8	266.1	260.3	254.5	248.8
25°	361.8	372.5	376.9	381.4	376.9	372.5	361.8	351.6	341.0	330.4	317.5
27.5°	448.3	461.6	466.5	471.4	466.5	461.6	447.9	434.6	421.3	407.5	388.5
30°	507.7	521.5	525.0	528.1	525.0	521.5	507.7	494.0	480.7	466.9	445.2
32.5°	568.0	582.7	584.0	585.3	584.0	582.7	568.0	553.0	538.3	523.7	499.8
35°	635.4	649.6	653.6	657.6	653.6	649.6	635.4	621.3	607.5	593.3	565.4
37.5°	705.1	718.4	721.5	724.6	721.5	718.4	705.1	691.8	678.5	665.2	634.6
40°	777.3	791.1	793.3	795.1	793.3	791.1	777.3	763.6	749.9	736.1	703.7
42.5°	859.8	873.1	875.8	878.5	875.8	873.1	859.8	846.1	832.8	819.5	784.4
45°	949.4	962.7	967.6	972.5	967.6	962.7	949.0	935.7	922.4	908.6	871.8
47.5°	1052.3	1069.6	1072.7	1075.8	1072.7	1069.6	1051.8	1034.5	1017.2	999.5	958.3
50°	1138.8	1156.5	1160.5	1164.5	1160.5	1156.5	1138.8	1121.0	1103.7	1086.0	1041.6
52.5°	1215.0	1234.5	1238.5	1242.5	1238.5	1234.5	1215.0	1195.1	1175.6	1156.0	1111.7
55°	1268.7	1290.0	1296.6	1303.3	1296.6	1290.0	1268.2	1246.9	1225.7	1203.9	1156.5
57.5°	1293.5	1316.1	1321.9	1327.7	1321.9	1316.1	1293.5	1270.5	1247.8	1225.2	1176.4
60°	1282.0	1304.6	1310.4	1316.1	1310.4	1304.6	1281.5	1258.9	1236.3	1213.2	1167.6
62.5°	1249.2	1271.3	1277.5	1283.3	1277.1	1271.3	1249.2	1226.6	1204.4	1182.2	1135.6
65°	1172.9	1189.7	1196.0	1201.7	1195.5	1189.7	1172.9	1156.0	1139.6	1122.8	1078.4
67.5°	1072.2	1090.9	1099.7	1108.2	1099.3	1090.9	1072.2	1053.6	1035.4	1016.8	981.8
70°	963.1	983.1	987.1	990.6	987.1	983.1	963.1	943.2	923.7	903.7	872.2
72.5°	824.4	839.0	843.4	847.4	843.4	839.0	824.4	809.3	794.6	780.0	749.9
75°	662.9	674.0	678.9	683.3	678.9	674.0	662.9	651.4	640.3	628.8	605.3
77.5°	504.6	515.3	518.4	521.5	518.4	515.3	504.6	494.4	483.8	473.1	456.3
80°	348.1	353.4	356.1	358.3	356.1	353.4	348.1	342.3	337.0	331.2	317.9
82.5°	207.5	210.2	211.1	211.5	211.1	210.2	207.5	204.9	201.8	199.1	190.7
85°	96.7	98.0	99.3	100.7	99.3	98.0	96.7	95.3	93.6	92.2	87.8
87.5°	21.3	21.7	21.7	21.7	21.7	21.7	21.3	20.4	20.0	19.1	18.6
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	178.7	178.7	178.7	179.1	179.1	179.6	179.6	179.6	180.0	180.0	180.0
5°	168.1	168.5	169.0	169.8	170.7	171.2	172.1	172.9	173.8	174.7	175.6
7.5°	153.0	153.9	155.2	157.0	158.3	160.1	161.4	163.2	165.0	166.3	168.1
10°	139.2	141.5	143.2	145.4	148.1	150.3	152.5	155.2	157.9	160.1	162.7
12.5°	140.6	142.3	144.1	146.3	149.0	151.2	153.4	156.1	158.8	161.4	164.1
15°	151.7	153.0	154.3	156.5	158.3	160.5	162.3	164.1	166.3	168.1	169.8
17.5°	170.3	171.2	171.6	172.9	173.8	175.2	176.0	177.4	178.3	179.6	180.5
20°	200.0	198.2	196.4	196.0	195.1	194.7	193.8	194.2	194.7	194.7	195.1
22.5°	243.4	237.7	231.9	228.4	224.4	220.8	217.3	216.0	215.1	213.7	212.4
25°	304.6	291.8	278.9	270.1	261.6	252.8	244.3	240.8	237.2	233.2	229.7
27.5°	369.4	349.9	330.8	316.6	302.0	287.8	273.6	267.0	260.3	253.6	247.0
30°	423.5	401.8	380.0	361.4	342.3	323.7	305.1	294.4	284.2	274.0	263.4
32.5°	475.8	451.4	427.5	405.3	383.1	361.0	338.8	324.6	310.9	296.7	282.5
35°	537.4	509.5	481.6	454.1	426.6	399.1	371.6	354.3	337.0	319.7	302.4
37.5°	604.0	573.4	542.8	508.2	474.0	439.4	405.3	384.5	364.1	343.2	322.4
40°	671.8	639.4	607.1	567.2	526.8	486.9	447.0	420.4	394.2	367.6	341.0
42.5°	749.0	713.9	678.5	632.3	586.7	540.6	494.9	461.6	428.4	394.7	361.4
45°	834.6	797.7	760.5	706.8	653.6	600.0	546.8	506.0	465.6	425.3	384.5
47.5°	917.0	875.8	834.6	776.5	718.4	660.3	602.2	554.3	506.4	458.1	410.2
50°	997.7	953.4	909.0	844.8	780.0	715.7	651.4	596.0	540.6	485.1	429.7
52.5°	1067.4	1023.0	978.7	906.4	834.1	761.8	689.5	628.8	568.5	508.2	447.4
55°	1108.6	1061.1	1013.3	941.0	868.7	796.4	724.1	658.1	592.4	526.8	460.7
57.5°	1127.7	1078.9	1030.1	957.8	885.5	813.7	741.4	671.4	601.7	532.1	462.1
60°	1121.9	1075.8	1030.1	956.5	882.9	809.3	735.7	665.6	595.5	525.0	455.0
62.5°	1089.1	1042.1	995.5	926.8	857.6	788.9	720.1	651.4	582.7	513.9	445.2
65°	1033.7	989.3	944.5	879.8	815.0	750.7	686.0	619.5	553.4	487.3	420.8
67.5°	946.3	911.3	875.8	814.2	753.0	691.3	630.1	568.9	508.2	447.4	386.2
70°	840.8	808.8	777.3	722.8	667.8	613.3	558.7	505.5	452.3	399.1	345.9
72.5°	719.7	689.5	659.4	614.6	569.8	525.5	480.7	435.5	390.2	345.0	299.8
75°	582.2	558.7	535.2	499.8	464.3	429.2	393.8	356.1	318.8	281.1	243.4
77.5°	439.9	423.0	406.2	379.6	353.0	326.8	300.2	270.9	241.7	212.4	183.1
80°	304.2	290.9	277.1	258.1	239.0	220.4	201.3	181.8	162.7	143.7	124.2
82.5°	181.8	173.4	164.5	153.9	143.2	132.6	121.9	110.4	98.9	86.9	75.4
85°	83.8	79.4	74.9	70.1	65.2	60.8	55.9	51.0	46.1	40.8	35.9
87.5°	17.7	17.3	16.4	16.0	15.5	14.6	14.2	13.7	12.9	12.4	11.5
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	180.5	180.5	180.9	180.9	181.4	181.4	181.8	181.8	181.8	181.8	181.8
5°	176.0	176.9	177.4	177.8	178.3	179.1	179.6	180.0	180.5	180.9	180.9
7.5°	169.8	171.2	172.9	174.3	175.2	176.0	176.9	177.8	178.3	178.7	179.1
10°	165.0	167.2	169.4	171.6	172.9	174.3	175.2	176.5	176.9	177.8	178.3
12.5°	166.7	169.0	171.6	173.8	175.2	176.9	178.3	179.6	180.0	180.5	180.5
15°	172.1	174.3	176.5	178.7	180.5	181.8	183.6	184.9	184.9	185.4	185.4
17.5°	181.8	183.1	184.0	185.4	186.7	188.0	188.9	190.2	190.2	190.7	190.7
20°	195.1	195.1	195.1	195.1	195.6	195.6	196.0	196.0	196.4	196.4	196.9
22.5°	211.1	210.2	208.9	207.5	206.6	205.3	204.4	203.1	203.1	203.1	202.7
25°	227.9	226.2	223.9	222.2	219.9	217.3	215.1	212.4	211.5	210.6	209.3
27.5°	244.3	241.7	239.0	236.4	232.8	229.3	225.3	221.7	219.9	217.7	216.0
30°	259.9	256.3	252.8	249.2	244.8	240.3	235.5	231.0	227.9	224.8	221.7
32.5°	277.1	271.8	266.1	260.7	255.9	250.5	245.7	240.3	236.4	232.4	227.9
35°	294.9	287.3	279.4	271.8	266.5	260.7	255.4	249.7	244.8	239.5	234.6
37.5°	312.6	303.3	293.6	283.8	277.6	271.4	264.7	258.5	252.8	247.0	240.8
40°	329.9	318.4	307.3	295.8	288.7	282.0	274.9	267.8	261.2	254.5	247.9
42.5°	348.1	334.4	321.0	307.3	299.3	291.3	283.4	275.4	268.3	261.6	254.5
45°	368.1	352.1	335.7	319.3	310.4	301.5	292.7	283.8	276.3	268.3	260.7
47.5°	390.2	369.8	349.9	329.5	320.2	310.4	301.1	291.3	282.9	274.9	266.5
50°	406.2	382.2	358.7	334.8	325.0	315.3	305.1	295.3	286.5	278.0	269.2
52.5°	420.4	393.3	366.3	339.2	329.0	318.4	308.2	297.5	288.7	279.4	270.5
55°	430.1	399.5	368.9	338.3	327.7	316.6	306.0	294.9	286.0	276.7	267.8
57.5°	428.4	395.1	361.4	327.7	317.1	306.4	295.3	284.7	276.3	267.8	259.4
60°	419.5	384.0	348.1	312.6	302.0	291.3	280.3	269.6	261.6	254.1	246.1
62.5°	408.0	370.3	333.0	295.3	283.8	272.7	261.2	249.7	243.0	236.4	229.3
65°	383.1	345.4	307.3	269.6	259.4	248.8	238.6	227.9	221.7	215.5	209.3
67.5°	349.9	313.5	277.1	240.8	231.0	221.7	212.0	202.2	196.4	190.7	184.9
70°	312.2	278.5	244.8	211.1	201.8	192.5	182.7	173.4	168.5	164.1	159.2
72.5°	269.6	239.0	208.9	178.3	169.4	161.0	152.1	143.2	139.7	135.7	132.1
75°	218.2	192.9	167.6	142.3	135.2	127.7	120.6	113.1	110.4	107.8	104.7
77.5°	164.1	144.6	125.5	106.0	100.2	94.5	88.7	82.9	81.1	79.4	77.6
80°	111.3	98.9	86.0	73.2	68.7	64.3	59.9	55.4	54.5	53.7	52.3
82.5°	67.8	59.9	52.3	44.3	41.7	39.0	36.4	33.7	33.3	32.8	31.9
85°	32.8	29.3	26.2	22.6	21.7	20.4	19.5	18.2	18.2	17.7	17.7
87.5°	11.5	11.5	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	181.8	181.8	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3
5°	181.4	181.8	181.8	182.3	182.3	182.7	182.7	182.7	182.3	182.3	181.8
7.5°	179.6	180.0	180.0	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.0
10°	178.7	178.7	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
12.5°	180.9	180.9	180.5	180.5	180.0	180.0	179.6	180.0	180.0	180.5	180.5
15°	185.4	184.9	184.5	184.0	183.6	183.6	183.1	183.6	183.6	184.0	184.5
17.5°	190.7	190.2	189.3	188.9	188.0	187.6	186.7	187.6	188.0	188.9	189.3
20°	196.9	196.0	194.7	193.8	192.5	192.0	191.1	192.0	192.5	193.8	194.7
22.5°	202.7	201.3	200.0	198.2	196.9	196.0	195.1	196.0	196.9	198.2	200.0
25°	208.4	206.6	205.3	203.5	201.8	200.9	199.5	200.9	201.8	203.5	205.3
27.5°	213.7	212.0	210.2	208.4	206.6	205.3	204.0	205.3	206.6	208.4	210.2
30°	218.6	216.8	214.6	212.4	210.6	209.3	208.0	209.3	210.6	212.9	214.6
32.5°	223.9	221.7	219.5	217.3	215.1	213.3	211.5	213.3	215.1	217.3	219.5
35°	229.3	226.6	224.4	221.7	219.1	217.3	215.5	217.3	219.1	221.7	224.4
37.5°	235.0	231.9	229.3	226.2	223.0	220.8	219.1	221.3	223.0	226.2	229.3
40°	241.2	237.7	234.6	231.0	227.5	225.3	223.0	225.3	227.5	231.0	234.6
42.5°	247.4	243.4	239.5	235.0	231.0	228.8	226.6	228.8	231.0	235.0	239.5
45°	252.8	248.3	243.9	239.5	235.0	232.8	230.6	232.8	235.0	239.5	243.9
47.5°	258.1	253.2	248.3	243.4	238.6	236.4	234.1	236.4	238.6	243.4	248.3
50°	260.3	255.0	250.1	244.8	239.5	236.8	234.6	237.2	239.5	244.8	250.1
52.5°	261.2	255.9	250.5	244.8	239.5	236.8	234.6	237.2	239.5	244.8	250.5
55°	258.5	252.8	247.4	241.7	235.9	233.2	231.0	233.7	235.9	241.7	247.4
57.5°	251.0	245.2	239.9	234.1	228.4	225.3	222.6	225.7	228.4	234.1	239.9
60°	238.1	232.8	227.9	222.6	217.3	214.2	211.1	214.2	217.3	222.6	227.9
62.5°	222.6	217.7	212.9	208.0	203.1	200.0	197.3	200.4	203.1	208.0	212.9
65°	203.1	198.7	194.2	189.3	184.9	181.4	177.8	181.4	184.9	189.3	194.2
67.5°	179.1	175.2	171.6	167.6	163.6	160.1	157.0	160.5	163.6	167.6	171.6
70°	154.3	151.2	148.1	144.6	141.5	138.4	135.7	138.8	141.5	144.6	148.1
72.5°	128.2	125.0	121.9	118.8	115.7	112.6	109.5	112.6	115.7	118.8	121.9
75°	102.0	99.3	96.7	93.6	90.9	88.2	85.6	88.2	90.9	93.6	96.7
77.5°	75.8	73.6	71.4	68.7	66.5	63.4	60.8	63.9	66.5	68.7	71.4
80°	51.4	49.2	47.4	45.2	43.0	40.8	38.6	40.8	43.0	45.2	47.4
82.5°	31.5	29.7	27.9	25.7	23.9	21.7	19.5	21.7	23.9	25.7	27.9
85°	17.3	16.0	14.6	12.9	11.5	8.9	6.2	8.9	11.5	12.9	14.6
87.5°	11.1	9.8	8.4	6.7	5.3	3.1	0.9	3.1	5.3	6.7	8.4
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.4	181.4	180.9	180.9
5°	181.8	181.4	180.9	180.9	180.5	180.0	179.6	179.1	178.3	177.8	177.4
7.5°	180.0	179.6	179.1	178.7	178.3	177.8	176.9	176.0	175.2	174.3	172.9
10°	178.7	178.7	178.3	177.8	176.9	176.5	175.2	174.3	172.9	171.6	169.4
12.5°	180.9	180.9	180.5	180.5	180.0	179.6	178.3	176.9	175.2	173.8	171.6
15°	184.9	185.4	185.4	185.4	184.9	184.9	183.6	181.8	180.5	178.7	176.5
17.5°	190.2	190.7	190.7	190.7	190.2	190.2	188.9	188.0	186.7	185.4	184.0
20°	196.0	196.9	196.9	196.4	196.4	196.0	196.0	195.6	195.6	195.1	195.1
22.5°	201.3	202.7	202.7	203.1	203.1	203.1	204.4	205.3	206.6	207.5	208.9
25°	206.6	208.4	209.3	210.6	211.5	212.4	215.1	217.3	219.9	222.2	223.9
27.5°	212.0	213.7	216.0	217.7	219.9	221.7	225.3	229.3	232.8	236.4	239.0
30°	216.8	218.6	221.7	224.8	227.9	231.0	235.5	240.3	244.8	249.2	252.8
32.5°	221.7	223.9	227.9	232.4	236.4	240.3	245.7	250.5	255.9	260.7	266.1
35°	226.6	229.3	234.6	239.5	244.8	249.7	255.4	260.7	266.5	271.8	279.4
37.5°	231.9	235.0	240.8	247.0	252.8	258.5	264.7	271.4	277.6	283.8	293.6
40°	237.7	241.2	247.9	254.5	261.2	267.8	274.9	282.0	288.7	295.8	307.3
42.5°	243.4	247.4	254.5	261.6	268.3	275.4	283.4	291.3	299.3	307.3	321.0
45°	248.3	252.8	260.7	268.3	276.3	283.8	292.7	301.5	310.4	319.3	335.7
47.5°	253.2	258.1	266.5	274.9	282.9	291.3	301.1	310.4	320.2	329.5	349.9
50°	255.0	260.3	269.2	278.0	286.5	295.3	305.1	315.3	325.0	334.8	358.7
52.5°	255.9	261.2	270.5	279.4	288.7	297.5	308.2	318.4	329.0	339.2	366.3
55°	252.8	258.5	267.8	276.7	286.0	294.9	306.0	316.6	327.7	338.3	368.9
57.5°	245.2	251.0	259.4	267.8	276.3	284.7	295.3	306.4	317.1	327.7	361.4
60°	232.8	238.1	246.1	254.1	261.6	269.6	280.3	291.3	302.0	312.6	348.1
62.5°	217.7	222.6	229.3	236.4	243.0	249.7	261.2	272.7	283.8	295.3	333.0
65°	198.7	203.1	209.3	215.5	221.7	227.9	238.6	248.8	259.4	269.6	307.3
67.5°	175.2	179.1	184.9	190.7	196.4	202.2	212.0	221.7	231.0	240.8	277.1
70°	151.2	154.3	159.2	164.1	168.5	173.4	182.7	192.5	201.8	211.1	244.8
72.5°	125.0	128.2	132.1	135.7	139.7	143.2	152.1	161.0	169.4	178.3	208.9
75°	99.3	102.0	104.7	107.8	110.4	113.1	120.6	127.7	135.2	142.3	167.6
77.5°	73.6	75.8	77.6	79.4	81.1	82.9	88.7	94.5	100.2	106.0	125.5
80°	49.2	51.4	52.3	53.7	54.5	55.4	59.9	64.3	68.7	73.2	86.0
82.5°	29.7	31.5	31.9	32.8	33.3	33.7	36.4	39.0	41.7	44.3	52.3
85°	16.0	17.3	17.7	17.7	18.2	18.2	19.5	20.4	21.7	22.6	26.2
87.5°	9.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	180.5	180.5	180.0	180.0	180.0	179.6	179.6	179.6	179.1	179.1	178.7
5°	176.9	176.0	175.6	174.7	173.8	172.9	172.1	171.2	170.7	169.8	169.0
7.5°	171.2	169.8	168.1	166.3	165.0	163.2	161.4	160.1	158.3	157.0	155.2
10°	167.2	165.0	162.7	160.1	157.9	155.2	152.5	150.3	148.1	145.4	143.2
12.5°	169.0	166.7	164.1	161.4	158.8	156.1	153.4	151.2	149.0	146.3	144.1
15°	174.3	172.1	169.8	168.1	166.3	164.1	162.3	160.5	158.3	156.5	154.3
17.5°	183.1	181.8	180.5	179.6	178.3	177.4	176.0	175.2	173.8	172.9	171.6
20°	195.1	195.1	195.1	194.7	194.7	194.2	193.8	194.7	195.1	196.0	196.4
22.5°	210.2	211.1	212.4	213.7	215.1	216.0	217.3	220.8	224.8	228.4	231.9
25°	226.2	227.9	229.7	233.2	237.2	240.8	244.3	253.2	261.6	270.5	278.9
27.5°	241.7	244.3	247.0	253.6	260.3	267.0	273.6	287.8	302.4	316.6	330.8
30°	256.3	259.9	263.4	274.0	284.2	294.9	305.1	323.7	342.8	361.4	380.0
32.5°	271.8	277.1	282.5	296.7	310.9	324.6	338.8	361.0	383.1	405.3	427.5
35°	287.3	294.9	302.4	319.7	337.0	354.3	371.6	399.1	426.6	454.1	481.6
37.5°	303.3	312.6	322.4	343.2	364.1	384.5	405.3	439.9	474.0	508.6	542.8
40°	318.4	329.9	341.0	367.6	394.2	420.4	447.0	486.9	527.2	567.2	607.1
42.5°	334.4	348.1	361.4	394.7	428.4	461.6	494.9	541.0	586.7	632.8	678.5
45°	352.1	368.1	384.5	425.3	465.6	506.4	546.8	600.4	653.6	707.3	760.5
47.5°	369.8	390.2	410.2	458.1	506.4	554.3	602.2	660.3	718.4	776.5	834.6
50°	382.2	406.2	429.7	485.1	540.6	596.0	651.4	715.7	780.5	844.8	909.0
52.5°	393.3	420.4	447.4	508.2	568.5	629.2	689.5	761.8	834.1	906.4	978.7
55°	399.5	430.1	460.7	526.8	592.4	658.5	724.1	796.4	868.7	941.0	1013.3
57.5°	395.1	428.4	462.1	532.1	601.7	671.8	741.4	813.7	886.0	957.8	1030.1
60°	384.0	419.5	455.0	525.0	595.5	665.6	735.7	809.3	882.9	956.5	1030.1
62.5°	370.3	408.0	445.2	513.9	582.7	651.4	720.1	788.9	858.1	926.8	995.5
65°	345.4	383.1	420.8	487.3	553.4	619.9	686.0	750.7	815.5	879.8	944.5
67.5°	313.5	349.9	386.2	447.4	508.2	569.4	630.1	691.8	753.0	814.6	875.8
70°	278.5	312.2	345.9	399.1	452.3	505.5	558.7	613.3	668.3	722.8	777.3
72.5°	239.0	269.6	299.8	345.0	390.2	435.5	480.7	525.5	570.3	614.6	659.4
75°	192.9	218.2	243.4	281.1	318.8	356.1	393.8	429.2	464.7	499.8	535.2
77.5°	144.6	164.1	183.1	212.4	241.7	270.9	300.2	326.8	353.4	379.6	406.2
80°	98.9	111.3	124.2	143.7	162.7	182.3	201.3	220.4	239.5	258.1	277.1
82.5°	59.9	67.8	75.4	86.9	98.9	110.4	121.9	132.6	143.2	153.9	164.5
85°	29.3	32.8	35.9	40.8	46.1	51.0	55.9	60.8	65.6	70.1	74.9
87.5°	11.5	11.5	11.5	12.4	12.9	13.7	14.2	14.6	15.5	16.0	16.4
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	178.7	178.7	178.3	178.3	178.3	178.3	177.8	177.8	177.8	177.8	177.8
5°	168.5	168.1	167.6	167.2	166.7	166.3	165.8	165.4	165.4	165.0	165.4
7.5°	153.9	153.0	151.7	150.3	149.4	149.0	148.1	147.2	147.2	147.2	147.2
10°	141.5	139.2	137.5	135.2	134.4	133.0	132.1	130.8	130.4	129.5	130.4
12.5°	142.3	140.6	138.4	136.6	135.2	133.9	132.6	131.3	130.8	130.4	130.8
15°	153.0	151.7	149.9	148.6	147.7	146.8	145.4	144.6	144.1	143.2	144.1
17.5°	171.2	170.3	169.8	169.0	169.0	169.0	168.5	168.5	168.5	168.5	168.5
20°	198.2	200.0	201.8	203.5	205.3	207.5	209.3	211.1	211.5	212.0	211.5
22.5°	237.7	243.4	248.8	254.5	260.3	266.1	271.8	277.6	279.8	282.0	279.8
25°	291.8	304.6	317.5	330.4	341.0	351.6	361.8	372.5	376.9	381.4	376.9
27.5°	349.9	369.4	388.5	407.5	420.8	434.6	447.9	461.6	466.5	471.4	466.5
30°	401.8	423.5	445.2	466.9	480.7	494.4	507.7	521.5	524.6	528.1	525.0
32.5°	451.4	475.8	499.8	523.7	538.3	553.4	568.0	582.7	584.0	585.3	584.0
35°	509.5	537.4	565.4	593.3	607.5	621.7	635.4	649.6	653.6	657.6	653.6
37.5°	573.4	604.0	634.6	665.2	678.5	691.8	705.1	718.4	721.5	724.6	721.5
40°	639.4	671.8	703.7	736.1	749.9	763.6	777.3	791.1	792.9	795.1	793.3
42.5°	713.9	749.0	784.0	819.5	832.8	846.5	859.8	873.1	875.8	878.5	875.8
45°	797.7	834.6	871.4	908.6	921.9	935.7	949.0	962.7	967.6	972.5	967.6
47.5°	875.8	917.0	958.3	999.5	1016.8	1034.5	1051.8	1069.6	1072.7	1075.8	1072.7
50°	953.4	997.7	1041.6	1086.0	1103.7	1121.5	1138.8	1156.5	1160.5	1164.5	1160.5
52.5°	1023.0	1067.4	1111.7	1156.0	1175.6	1195.5	1215.0	1234.5	1238.5	1242.5	1238.5
55°	1061.1	1108.6	1156.0	1203.9	1225.2	1246.9	1268.2	1290.0	1296.6	1303.3	1296.6
57.5°	1078.9	1127.7	1176.4	1225.2	1247.8	1270.9	1293.5	1316.1	1321.9	1327.7	1321.9
60°	1075.8	1121.9	1167.6	1213.2	1235.9	1258.9	1281.5	1304.6	1310.4	1316.1	1310.4
62.5°	1042.1	1089.1	1135.6	1182.2	1204.4	1227.0	1249.2	1271.3	1277.1	1283.3	1277.5
65°	989.3	1033.7	1078.0	1122.8	1139.6	1156.5	1172.9	1189.7	1195.5	1201.7	1196.0
67.5°	911.3	946.3	981.3	1016.8	1035.4	1054.1	1072.2	1090.9	1099.3	1108.2	1099.7
70°	808.8	840.8	872.2	903.7	923.7	943.6	963.1	983.1	986.7	990.6	987.1
72.5°	689.5	719.7	749.9	780.0	794.6	809.7	824.4	839.0	843.0	847.4	843.4
75°	558.7	582.2	605.3	628.8	639.9	651.4	662.5	674.0	678.5	683.3	678.9
77.5°	423.0	439.9	456.3	473.1	483.8	494.4	504.6	515.3	518.4	521.5	518.4
80°	290.9	304.2	317.5	331.2	336.6	342.3	347.7	353.4	355.6	358.3	356.1
82.5°	173.4	181.8	190.2	199.1	201.8	204.9	207.5	210.2	211.1	211.5	211.1
85°	79.4	83.8	87.8	92.2	93.6	95.3	96.7	98.0	99.3	100.7	99.3
87.5°	17.3	17.7	18.6	19.1	20.0	20.4	21.3	21.7	21.7	21.7	21.7
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	177.8	177.8	178.3	178.3	178.3	178.3	178.7	178.7	178.7	179.1	179.1
5°	165.4	165.8	166.3	166.7	167.2	167.6	168.1	168.5	169.0	169.8	170.7
7.5°	147.2	148.1	149.0	149.4	150.3	151.7	153.0	153.9	155.2	157.0	158.3
10°	130.8	132.1	133.0	134.4	135.2	137.5	139.2	141.5	143.2	145.4	148.1
12.5°	131.3	132.6	133.9	135.2	136.6	138.4	140.6	142.3	144.1	146.3	149.0
15°	144.6	145.4	146.8	147.7	148.6	149.9	151.7	153.0	154.3	156.5	158.3
17.5°	168.5	168.5	169.0	169.0	169.0	169.8	170.3	171.2	171.6	172.9	173.8
20°	211.1	209.3	207.5	205.3	203.5	201.8	200.0	198.2	196.4	196.0	195.1
22.5°	277.6	271.8	266.1	260.3	254.5	248.8	243.4	237.7	231.9	228.4	224.8
25°	372.5	361.8	351.6	341.0	330.4	317.5	304.6	291.8	278.9	270.1	261.6
27.5°	461.6	447.9	434.6	420.8	407.5	388.5	369.4	349.9	330.8	316.6	302.4
30°	521.5	507.7	494.4	480.7	466.9	445.2	423.5	401.8	380.0	361.4	342.8
32.5°	582.7	568.0	553.4	538.3	523.7	499.8	475.8	451.4	427.5	405.3	383.1
35°	649.6	635.4	621.7	607.5	593.3	565.4	537.4	509.5	481.6	454.1	426.6
37.5°	718.4	705.1	691.8	678.5	665.2	634.6	604.0	573.4	542.8	508.2	474.0
40°	791.1	777.3	763.6	749.9	736.1	703.7	671.8	639.4	607.1	567.2	527.2
42.5°	873.1	859.8	846.5	832.8	819.5	784.0	749.0	713.5	678.5	632.3	586.7
45°	962.7	949.0	935.7	921.9	908.6	871.4	834.6	797.3	760.5	706.8	653.6
47.5°	1069.6	1051.8	1034.5	1016.8	999.5	958.3	917.0	875.8	834.6	776.5	718.4
50°	1156.5	1138.8	1121.5	1103.7	1086.0	1041.6	997.7	953.4	909.0	844.8	780.5
52.5°	1234.5	1215.0	1195.5	1175.6	1156.0	1111.7	1067.4	1023.0	978.7	906.4	834.1
55°	1290.0	1268.2	1246.9	1225.2	1203.9	1156.0	1108.6	1060.7	1013.3	941.0	868.7
57.5°	1316.1	1293.5	1270.9	1247.8	1225.2	1176.4	1127.7	1078.9	1030.1	957.8	886.0
60°	1304.6	1281.5	1258.9	1235.9	1213.2	1167.6	1121.9	1075.8	1030.1	956.5	882.9
62.5°	1271.3	1249.2	1227.0	1204.4	1182.2	1135.6	1089.1	1042.1	995.5	926.8	858.1
65°	1189.7	1172.9	1156.5	1139.6	1122.8	1078.0	1033.7	988.9	944.5	879.8	815.5
67.5°	1090.9	1072.2	1054.1	1035.4	1016.8	981.3	946.3	910.8	875.8	814.2	753.0
70°	983.1	963.1	943.6	923.7	903.7	872.2	840.8	808.8	777.3	722.8	668.3
72.5°	839.0	824.4	809.7	794.6	780.0	749.9	719.7	689.5	659.4	614.6	570.3
75°	674.0	662.5	651.4	639.9	628.8	605.3	582.2	558.7	535.2	499.8	464.7
77.5°	515.3	504.6	494.4	483.8	473.1	456.3	439.9	423.0	406.2	379.6	353.4
80°	353.4	347.7	342.3	336.6	331.2	317.5	304.2	290.5	277.1	258.1	239.5
82.5°	210.2	207.5	204.9	201.8	199.1	190.2	181.8	172.9	164.5	153.9	143.2
85°	98.0	96.7	95.3	93.6	92.2	87.8	83.8	79.4	74.9	70.1	65.6
87.5°	21.7	21.3	20.4	20.0	19.1	18.6	17.7	17.3	16.4	16.0	15.5
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	179.6	179.6	179.6	180.0	180.0	180.0	180.5	180.5	180.9	180.9	181.4
5°	171.2	172.1	172.9	173.8	174.7	175.6	176.0	176.9	177.4	177.8	178.3
7.5°	160.1	161.4	163.2	165.0	166.3	168.1	169.8	171.2	172.9	174.3	175.2
10°	150.3	152.5	155.2	157.9	160.1	162.7	165.0	167.2	169.4	171.6	172.9
12.5°	151.2	153.4	156.1	158.8	161.4	164.1	166.7	169.0	171.6	173.8	175.2
15°	160.5	162.3	164.1	166.3	168.1	169.8	172.1	174.3	176.5	178.7	180.5
17.5°	175.2	176.0	177.4	178.3	179.6	180.5	181.8	183.1	184.0	185.4	186.7
20°	194.7	193.8	194.2	194.7	194.7	195.1	195.1	195.1	195.1	195.1	195.6
22.5°	220.8	217.3	216.0	215.1	213.7	212.4	211.1	210.2	208.9	207.5	206.6
25°	253.2	244.3	240.8	237.2	233.2	229.7	227.9	226.2	223.9	222.2	219.9
27.5°	287.8	273.6	267.0	260.3	253.6	247.0	244.3	241.7	239.0	236.4	232.8
30°	323.7	305.1	294.9	284.2	274.0	263.4	259.9	256.3	252.8	249.2	244.8
32.5°	361.0	338.8	324.6	310.9	296.7	282.5	277.1	271.8	266.1	260.7	255.9
35°	399.1	371.6	354.3	337.0	319.7	302.4	294.9	287.3	279.4	271.8	266.5
37.5°	439.9	405.3	384.5	364.1	343.2	322.4	312.6	303.3	293.6	283.8	277.6
40°	486.9	447.0	420.4	394.2	367.6	341.0	329.9	318.4	307.3	295.8	288.7
42.5°	541.0	494.9	461.6	428.4	394.7	361.4	348.1	334.4	321.0	307.3	299.3
45°	600.4	546.8	506.4	465.6	425.3	384.5	368.1	352.1	335.7	319.3	310.4
47.5°	660.3	602.2	554.3	506.4	458.1	410.2	390.2	369.8	349.9	329.5	320.2
50°	715.7	651.4	596.0	540.6	485.1	429.7	406.2	382.2	358.7	334.8	325.0
52.5°	761.8	689.5	629.2	568.5	508.2	447.4	420.4	393.3	366.3	339.2	329.0
55°	796.4	724.1	658.5	592.4	526.8	460.7	430.1	399.5	368.9	338.3	327.7
57.5°	813.7	741.4	671.8	601.7	532.1	462.1	428.4	395.1	361.4	327.7	317.1
60°	809.3	735.7	665.6	595.5	525.0	455.0	419.5	384.0	348.1	312.6	302.0
62.5°	788.9	720.1	651.4	582.7	513.9	445.2	408.0	370.3	333.0	295.3	283.8
65°	750.7	686.0	619.9	553.4	487.3	420.8	383.1	345.4	307.3	269.6	259.4
67.5°	691.8	630.1	569.4	508.2	447.4	386.2	349.9	313.5	277.1	240.8	231.0
70°	613.3	558.7	505.5	452.3	399.1	345.9	312.2	278.5	244.8	211.1	201.8
72.5°	525.5	480.7	435.5	390.2	345.0	299.8	269.6	239.0	208.9	178.3	169.4
75°	429.2	393.8	356.1	318.8	281.1	243.4	218.2	192.9	167.6	142.3	135.2
77.5°	326.8	300.2	270.9	241.7	212.4	183.1	164.1	144.6	125.5	106.0	100.2
80°	220.4	201.3	182.3	162.7	143.7	124.2	111.3	98.9	86.0	73.2	68.7
82.5°	132.6	121.9	110.4	98.9	86.9	75.4	67.8	59.9	52.3	44.3	41.7
85°	60.8	55.9	51.0	46.1	40.8	35.9	32.8	29.3	26.2	22.6	21.7
87.5°	14.6	14.2	13.7	12.9	12.4	11.5	11.5	11.5	11.1	11.1	11.1
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
2.5°	181.4	181.8	181.8	181.8	181.8	181.8	181.8	181.8	182.3	182.3	182.3
5°	179.1	179.6	180.0	180.5	180.9	180.9	181.4	181.8	181.8	182.3	182.3
7.5°	176.0	176.9	177.8	178.3	178.7	179.1	179.6	180.0	180.0	180.5	180.5
10°	173.8	175.2	176.5	176.9	177.8	178.3	178.7	178.7	179.1	179.1	179.1
12.5°	176.5	178.3	179.6	180.0	180.5	180.5	180.9	180.9	180.5	180.5	180.0
15°	181.8	183.6	184.9	184.9	185.4	185.4	185.4	184.9	184.5	184.0	183.6
17.5°	187.6	188.9	190.2	190.2	190.7	190.7	190.7	190.2	189.3	188.9	188.0
20°	195.6	196.0	196.0	196.4	196.4	196.9	196.9	196.0	194.7	193.8	192.5
22.5°	205.3	204.4	203.1	203.1	203.1	202.7	202.7	201.3	200.0	198.2	196.9
25°	217.3	215.1	212.4	211.5	210.6	209.3	208.4	206.6	205.3	203.5	201.8
27.5°	229.3	225.3	221.7	219.9	217.7	216.0	213.7	212.0	210.2	208.4	206.6
30°	240.3	235.5	231.0	227.9	224.8	221.7	218.6	216.8	214.6	212.9	210.6
32.5°	250.5	245.7	240.3	236.4	232.4	227.9	223.9	221.7	219.5	217.3	215.1
35°	260.7	255.4	249.7	244.8	239.5	234.6	229.3	226.6	224.4	221.7	219.1
37.5°	271.4	264.7	258.5	252.8	247.0	240.8	235.0	231.9	229.3	226.2	223.0
40°	282.0	274.9	267.8	261.2	254.5	247.9	241.2	237.7	234.6	231.0	227.5
42.5°	291.3	283.4	275.4	268.3	261.6	254.5	247.4	243.4	239.5	235.0	231.0
45°	301.5	292.7	283.8	276.3	268.3	260.7	252.8	248.3	243.9	239.5	235.0
47.5°	310.4	301.1	291.3	282.9	274.9	266.5	258.1	253.2	248.3	243.4	238.6
50°	315.3	305.1	295.3	286.5	278.0	269.2	260.3	255.0	250.1	244.8	239.5
52.5°	318.4	308.2	297.5	288.7	279.4	270.5	261.2	255.9	250.5	244.8	239.5
55°	316.6	306.0	294.9	286.0	276.7	267.8	258.5	252.8	247.4	241.7	235.9
57.5°	306.4	295.3	284.7	276.3	267.8	259.4	251.0	245.2	239.9	234.1	228.4
60°	291.3	280.3	269.6	261.6	254.1	246.1	238.1	232.8	227.9	222.6	217.3
62.5°	272.7	261.2	249.7	243.0	236.4	229.3	222.6	217.7	212.9	208.0	203.1
65°	248.8	238.6	227.9	221.7	215.5	209.3	203.1	198.7	194.2	189.3	184.9
67.5°	221.7	212.0	202.2	196.4	190.7	184.9	179.1	175.2	171.6	167.6	163.6
70°	192.5	182.7	173.4	168.5	164.1	159.2	154.3	151.2	148.1	144.6	141.5
72.5°	161.0	152.1	143.2	139.7	135.7	132.1	128.2	125.0	121.9	118.8	115.7
75°	127.7	120.6	113.1	110.4	107.8	104.7	102.0	99.3	96.7	93.6	90.9
77.5°	94.5	88.7	82.9	81.1	79.4	77.6	75.8	73.6	71.4	68.7	66.5
80°	64.3	59.9	55.4	54.5	53.7	52.3	51.4	49.2	47.4	45.2	43.0
82.5°	39.0	36.4	33.7	33.3	32.8	31.9	31.5	29.7	27.9	25.7	23.9
85°	20.4	19.5	18.2	18.2	17.7	17.7	17.3	16.0	14.6	12.9	11.5
87.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	9.8	8.4	6.7	5.3
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445210

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	181.8	181.8
2.5°	182.3	182.3
5°	182.7	182.7
7.5°	180.5	180.5
10°	179.1	179.1
12.5°	180.0	179.6
15°	183.6	183.1
17.5°	187.6	186.7
20°	192.0	191.1
22.5°	196.0	195.1
25°	200.9	199.5
27.5°	205.3	204.0
30°	209.3	208.0
32.5°	213.3	211.5
35°	217.3	215.5
37.5°	221.3	219.1
40°	225.3	223.0
42.5°	228.8	226.6
45°	232.8	230.6
47.5°	236.4	234.1
50°	237.2	234.6
52.5°	237.2	234.6
55°	233.7	231.0
57.5°	225.7	222.6
60°	214.2	211.1
62.5°	200.4	197.3
65°	181.4	177.8
67.5°	160.5	157.0
70°	138.8	135.7
72.5°	112.6	109.5
75°	88.2	85.6
77.5°	63.9	60.8
80°	40.8	38.6
82.5°	21.7	19.5
85°	8.9	6.2
87.5°	3.1	0.9
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: P1445210

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

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-1

Test Date: 11/15/2024

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

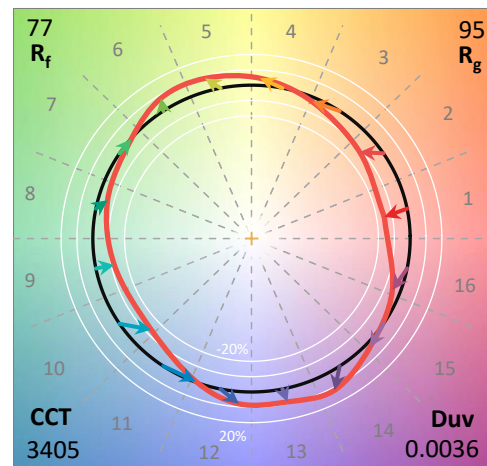
Data in this report applies to families of products including TTN-D0-735-U-WQ

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

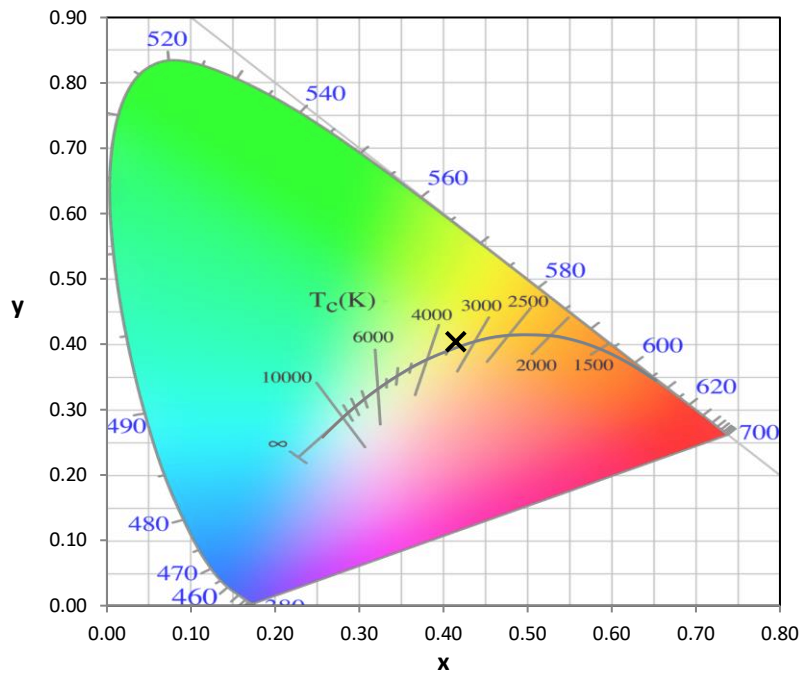
Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2411-284-1

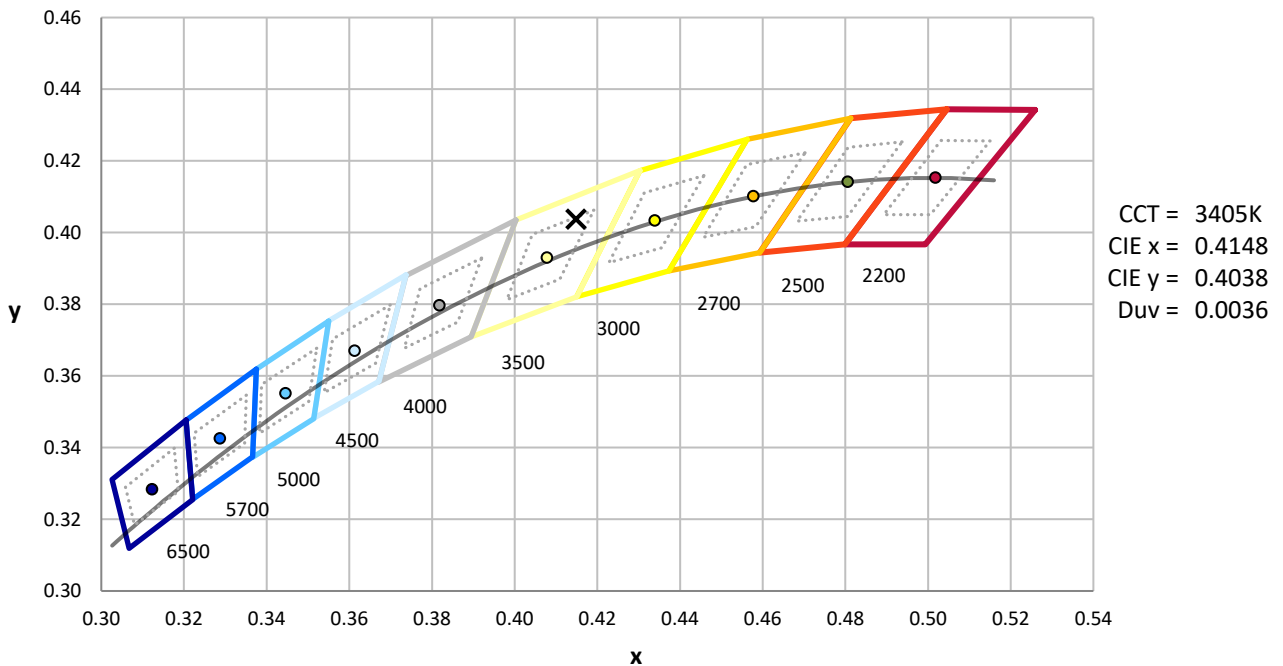
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



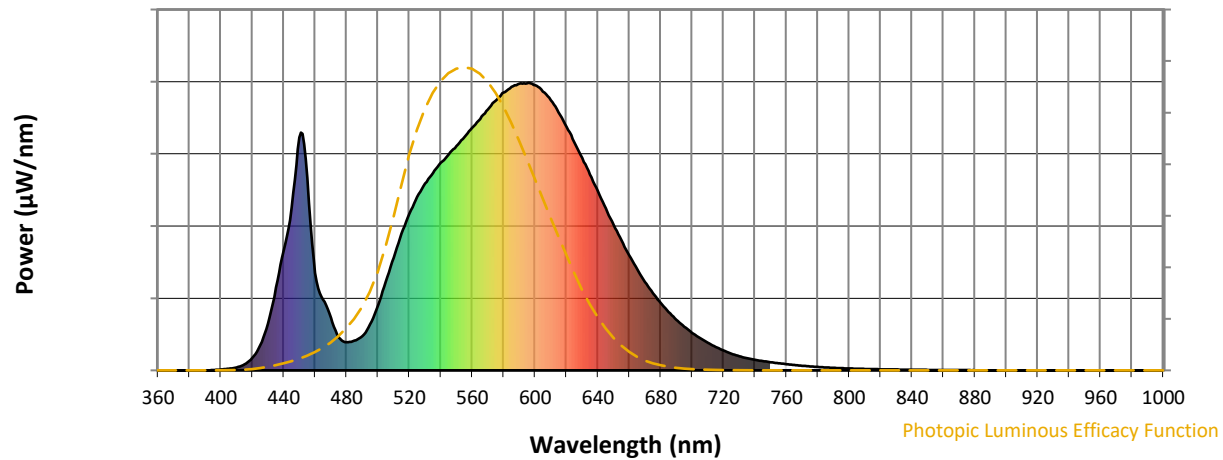
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-1

Photopic Flux vs. Wavelength

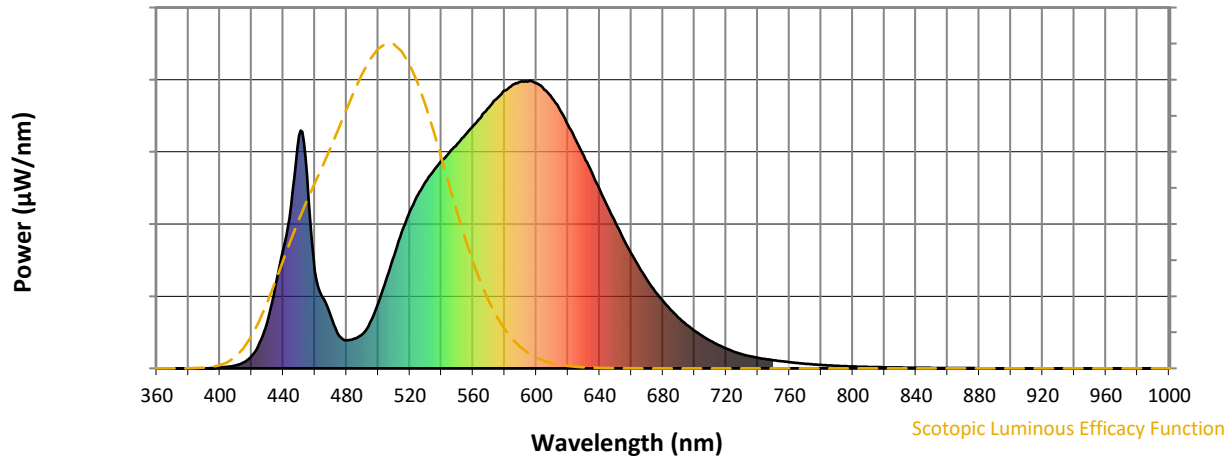


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

Scotopic Flux vs. Wavelength



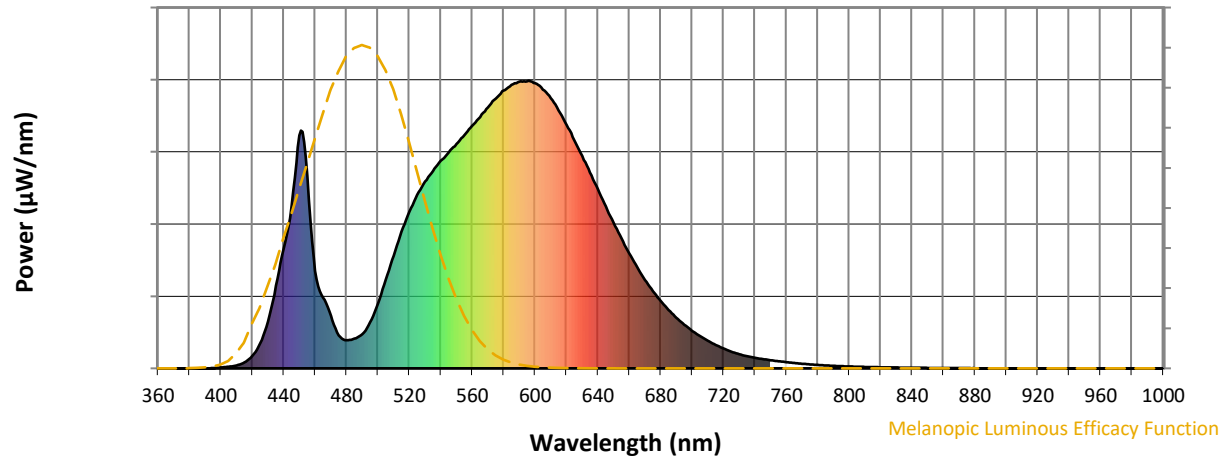
Scotopic Lumens: NR

S/P: 1.33

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

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.47

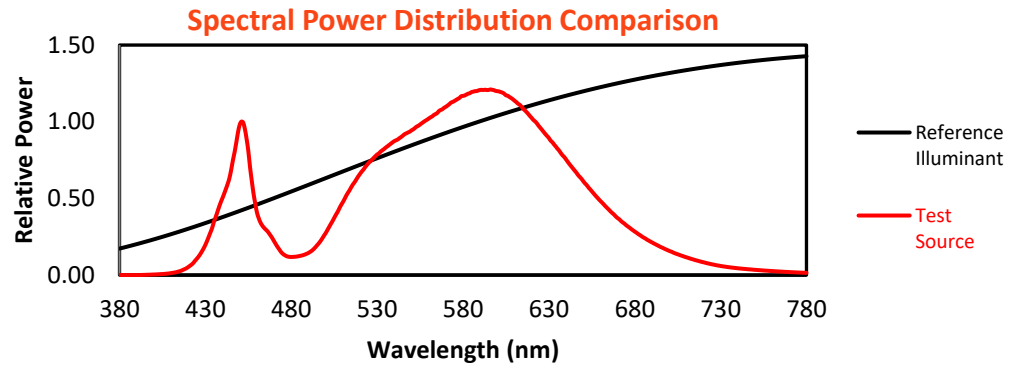
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	846	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			

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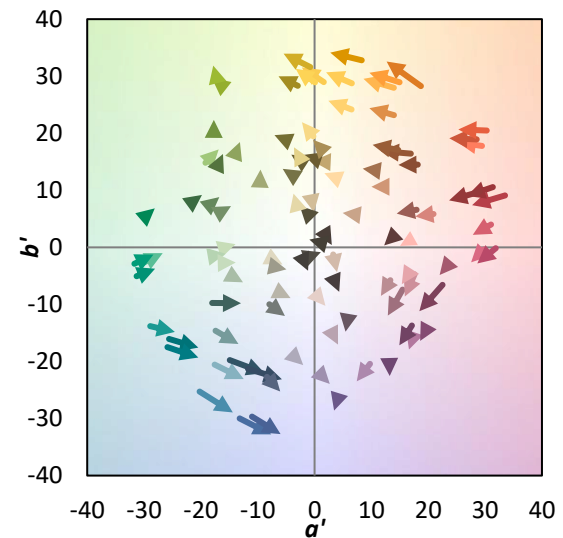
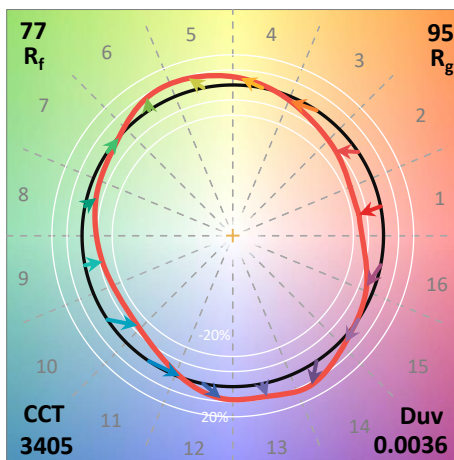
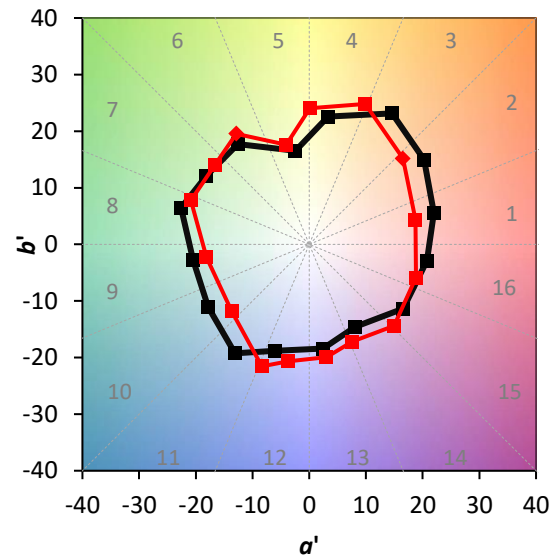
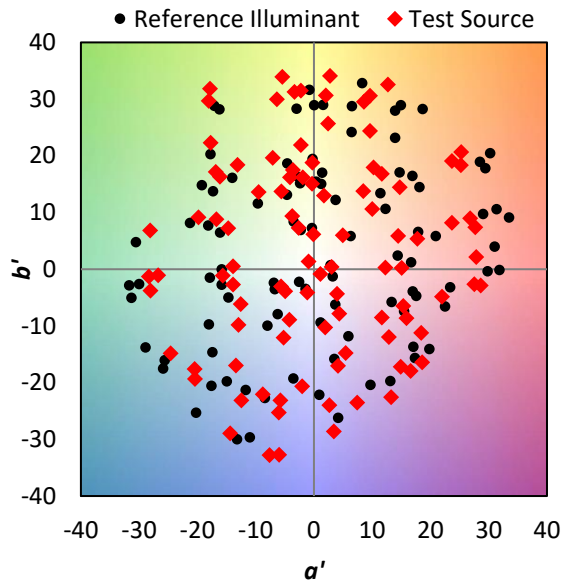
TM-30-18

Summary

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

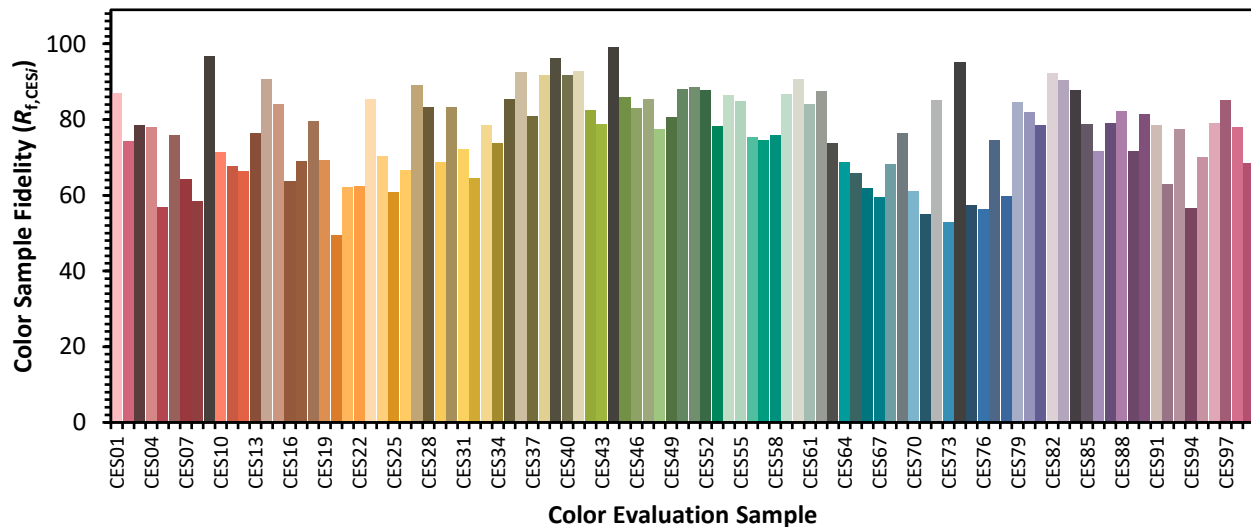


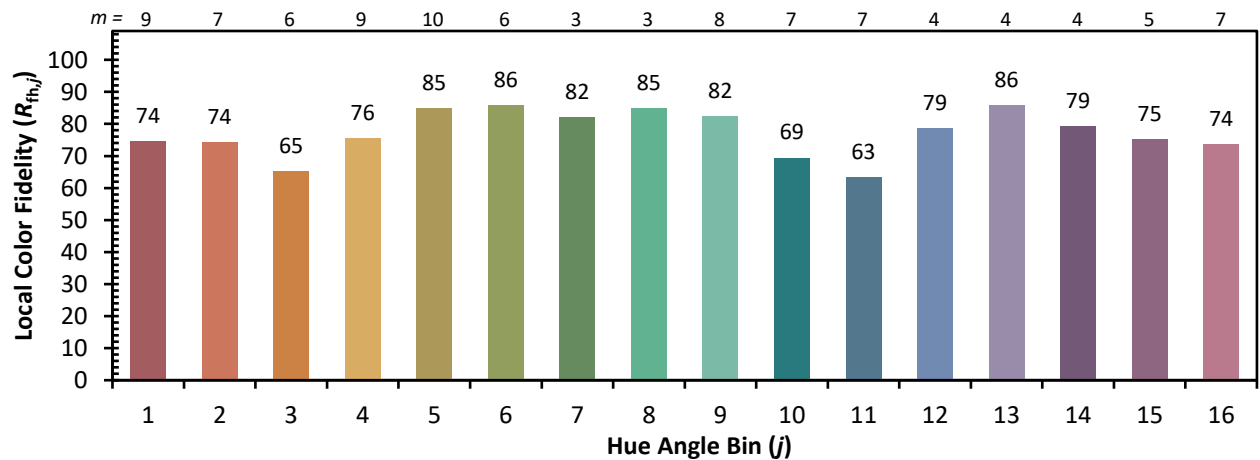
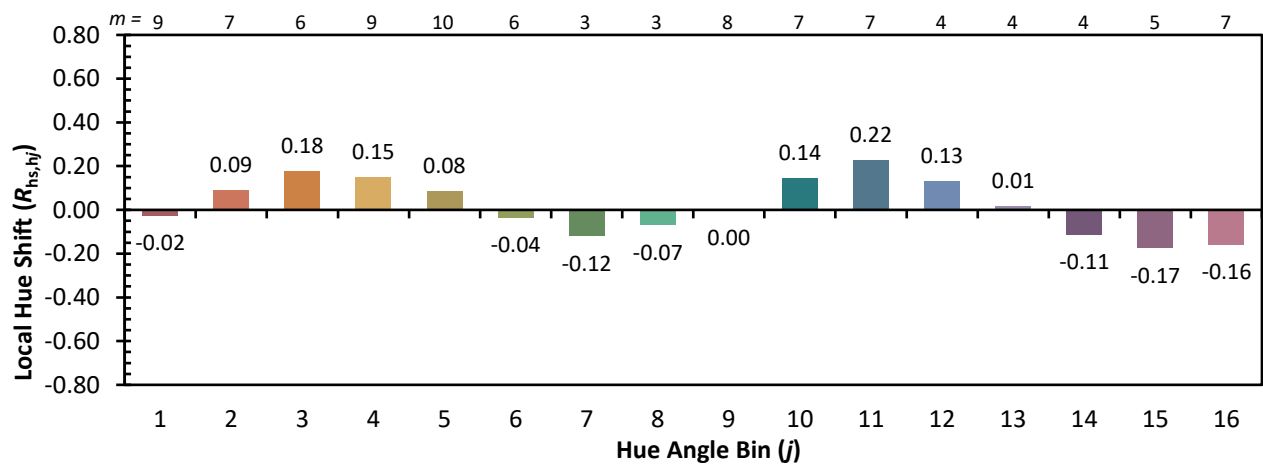
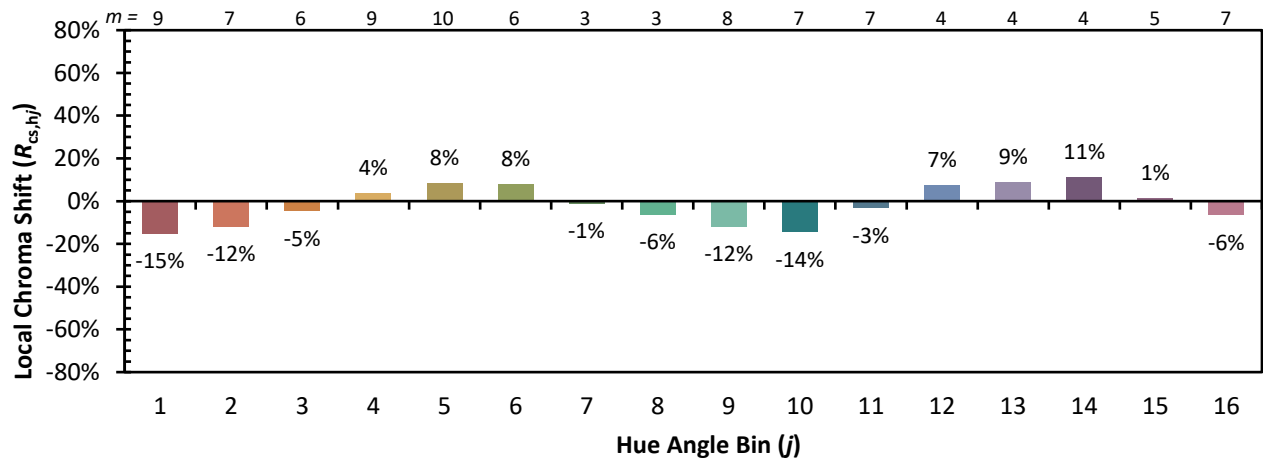
Color Vector Graphics



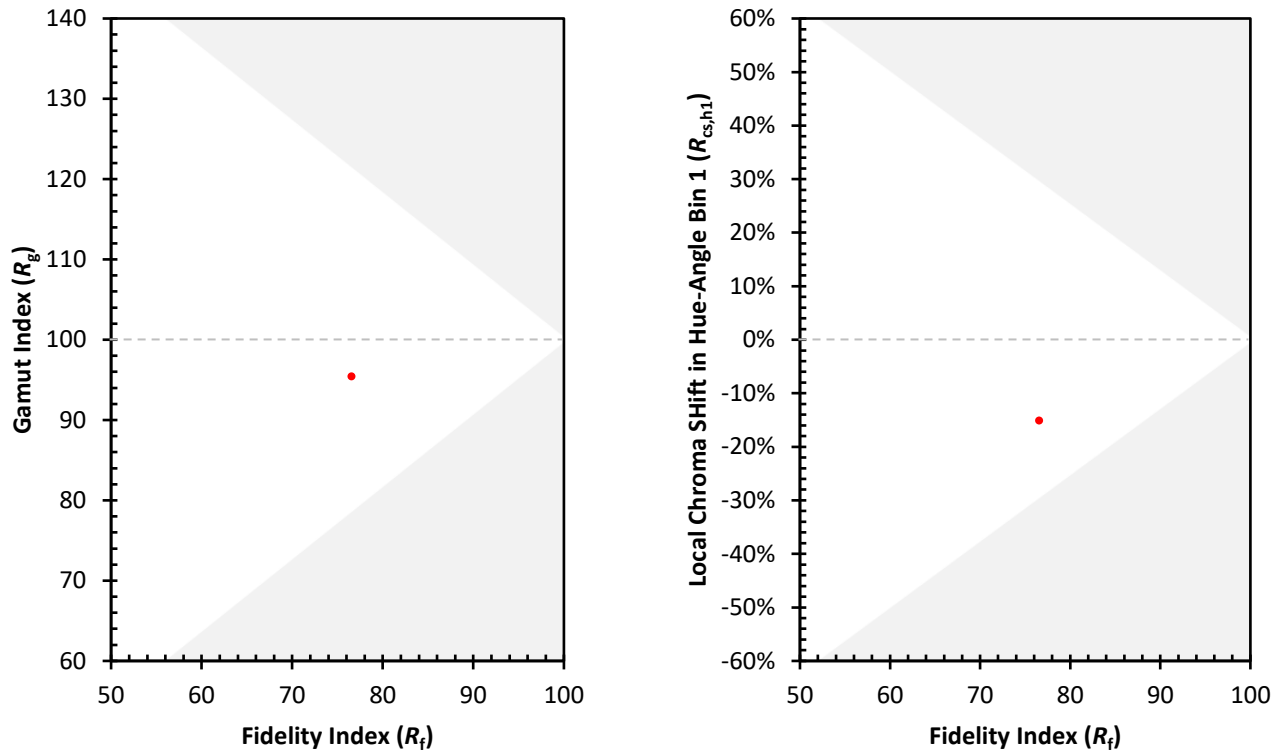
Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)