

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: P1445218

Luminaire Tested: TPTN-VA1-750-U-RW-CG-GM

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445218
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: TPTN-VA1-750-U-RW-CG-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 27W 70CRI 5000K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC AND GLASS
Light Source: 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2502.7 lumens
Efficiency: N/A
Efficacy: 93.7 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

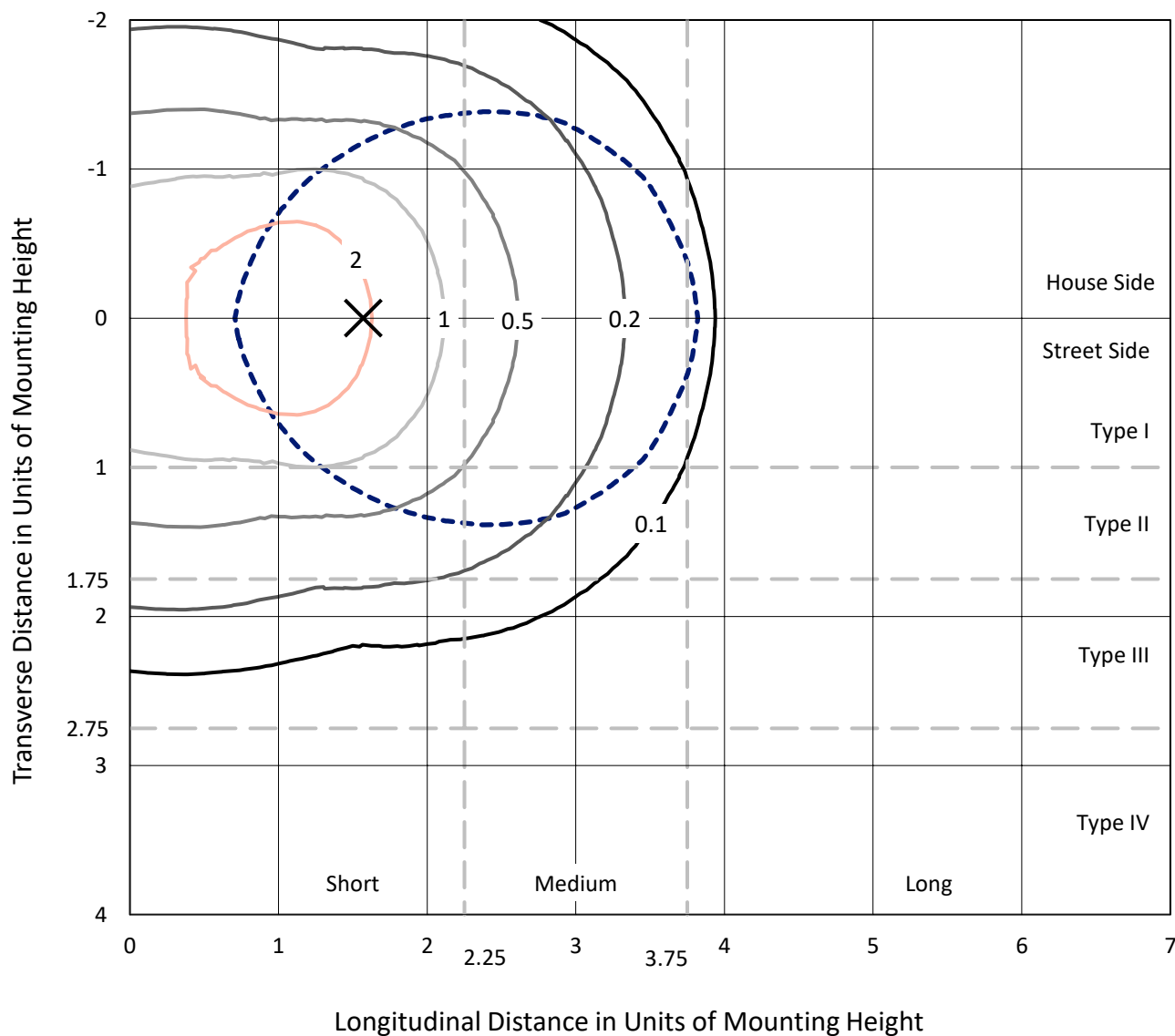
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CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

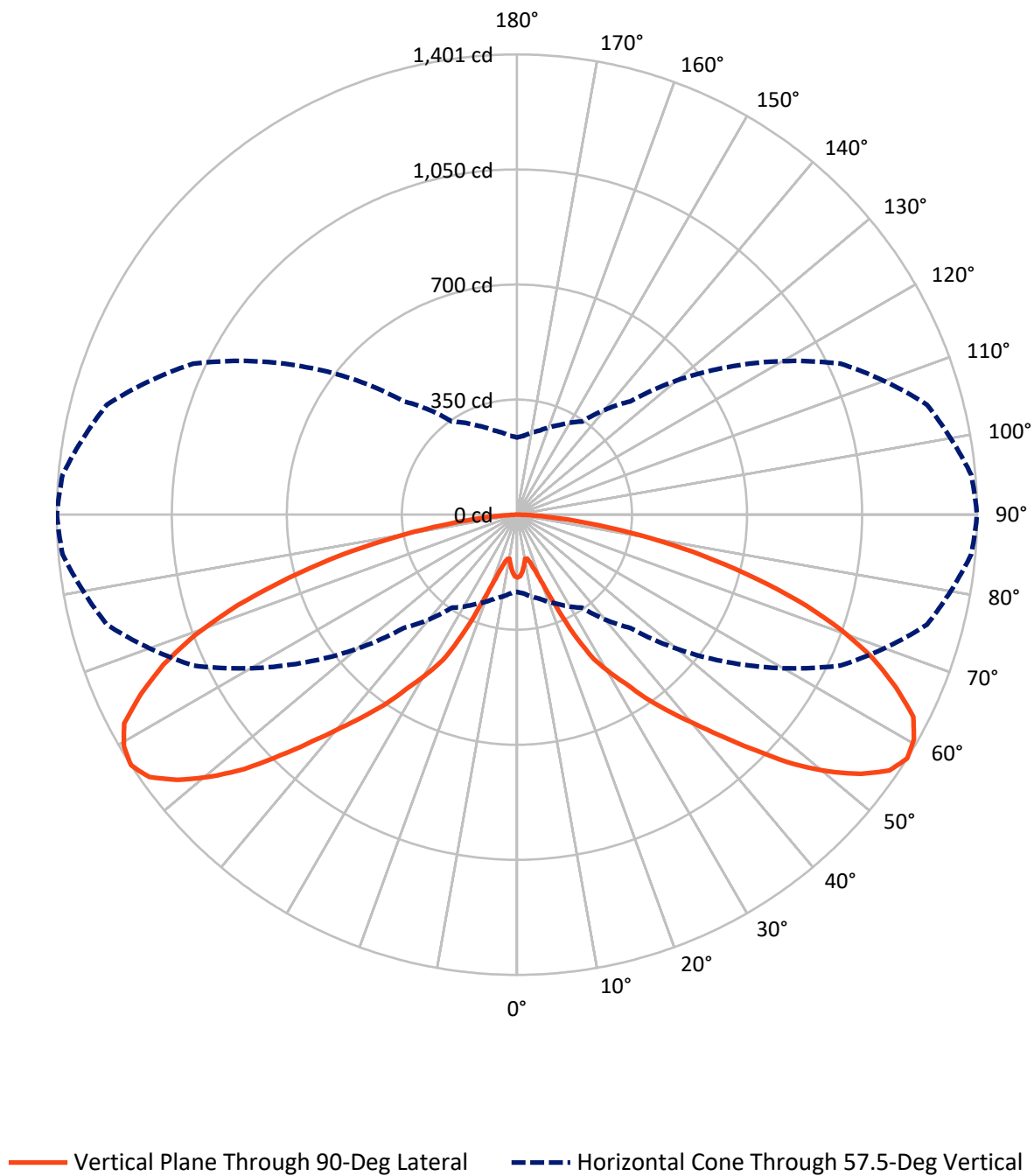


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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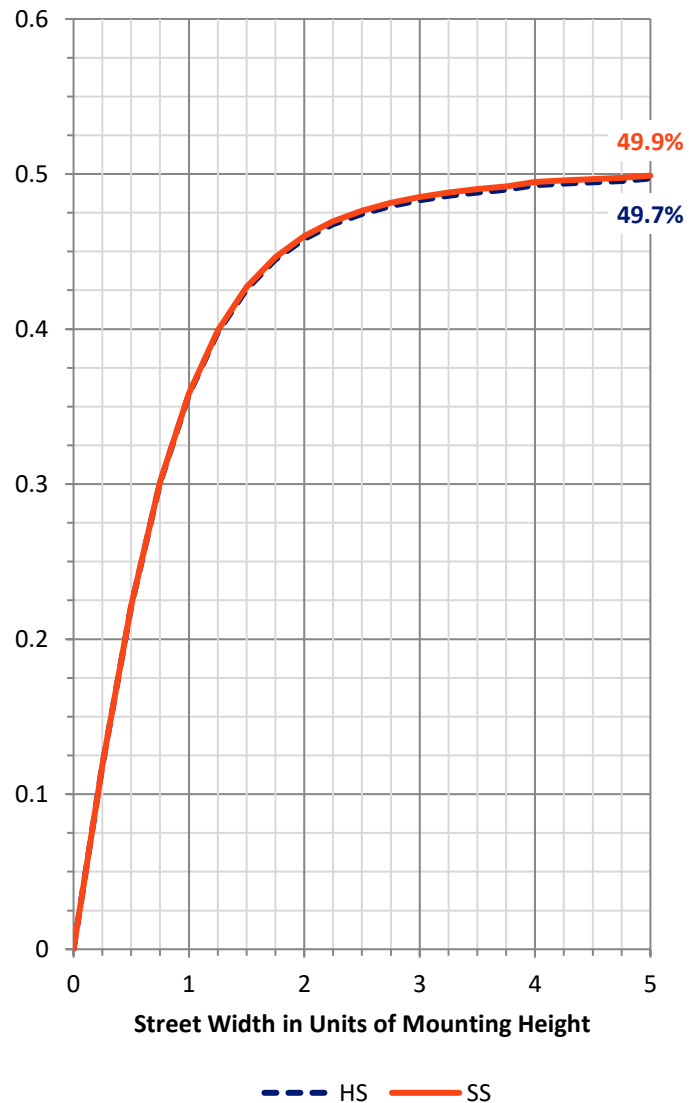
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1251.3	0.0	1251.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1251.4	0.0	1251.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2502.7	0.0	2502.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.7
10°-20°	51.9	2.1
20°-30°	126.9	5.1
30°-40°	250.5	10.0
40°-50°	424.7	17.0
50°-60°	602.6	24.1
60°-70°	599.2	23.9
70°-80°	359.6	14.4
80°-90°	70.3	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°	2502.7	100.0
0°-180°	2502.7	100.0

Coefficient of Utilization



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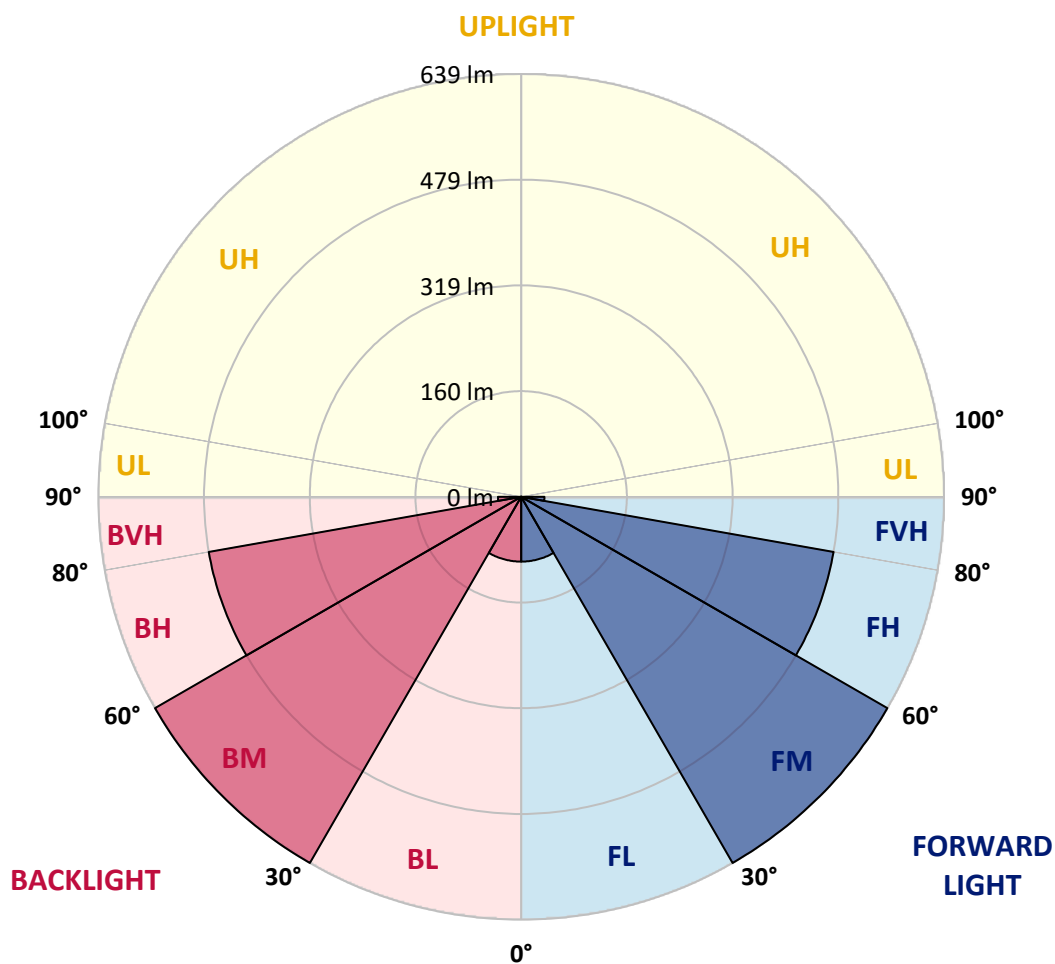
CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.9	3.9			
FM	(30°-60°)	638.9	25.5			
FH	(60°-80°)	479.4	19.2			G0/660
FVH	(80°-90°)	35.2	1.4			G1/100
BL	(0°-30°)	97.9	3.9	B0/110		
BM	(30°-60°)	638.9	25.5	B1/1000		
BH	(60°-80°)	479.4	19.2	B1/500		G1/500
BVH	(80°-90°)	35.2	1.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	192.3	192.3	192.3	192.3	192.3	191.8	191.8	191.8	191.8	191.8	191.8
5°	192.7	192.7	192.3	192.3	191.8	191.8	191.3	190.8	190.8	190.4	189.9
7.5°	190.4	190.4	190.4	190.4	189.9	189.9	189.4	189.0	188.5	188.0	187.6
10°	189.0	189.0	189.0	189.0	189.0	188.5	188.5	188.0	187.6	186.6	186.2
12.5°	189.4	189.9	189.9	190.4	190.4	190.8	190.8	190.4	190.4	189.9	189.4
15°	193.2	193.7	193.7	194.1	194.6	195.1	195.5	195.5	195.5	195.1	195.1
17.5°	196.9	197.9	198.3	199.3	199.7	200.7	201.1	201.1	201.1	200.7	200.7
20°	201.6	202.5	203.0	204.4	205.3	206.8	207.7	207.7	207.2	207.2	206.8
22.5°	205.8	206.8	207.7	209.1	211.0	212.4	213.8	213.8	214.2	214.2	214.2
25°	210.5	211.9	212.8	214.7	216.6	218.0	219.8	220.8	222.2	223.1	224.1
27.5°	215.2	216.6	218.0	219.8	221.7	223.6	225.5	227.8	229.7	232.0	233.9
30°	219.4	220.8	222.2	224.5	226.4	228.7	230.6	233.9	237.2	240.4	243.7
32.5°	223.1	225.0	226.9	229.2	231.5	233.9	236.2	240.4	245.1	249.3	253.5
35°	227.3	229.2	231.1	233.9	236.7	239.0	241.8	247.4	252.6	258.2	263.4
37.5°	231.1	233.4	235.3	238.6	241.8	244.6	247.9	254.0	260.5	266.6	272.7
40°	235.3	237.6	240.0	243.7	247.4	250.7	254.5	261.5	268.5	275.5	282.5
42.5°	239.0	241.4	243.7	247.9	252.6	256.8	261.0	268.5	276.0	283.0	290.5
45°	243.2	245.6	247.9	252.6	257.3	261.9	266.6	275.0	283.0	291.4	299.4
47.5°	247.0	249.3	251.7	256.8	261.9	267.1	272.2	281.1	290.0	298.4	307.3
50°	247.4	250.3	252.6	258.2	263.8	269.0	274.6	283.9	293.3	302.2	311.5
52.5°	247.4	250.3	252.6	258.2	264.3	269.9	275.5	285.3	294.7	304.5	313.9
55°	243.7	246.5	248.8	254.9	261.0	266.6	272.7	282.5	291.9	301.7	311.1
57.5°	234.8	238.1	240.9	247.0	253.1	258.7	264.8	273.6	282.5	291.4	300.3
60°	222.7	225.9	229.2	234.8	240.4	245.6	251.2	259.6	268.0	276.0	284.4
62.5°	208.2	211.4	214.2	219.4	224.5	229.7	234.8	241.8	249.3	256.3	263.4
65°	187.6	191.3	195.1	199.7	204.9	209.6	214.2	220.8	227.3	233.9	240.4
67.5°	165.6	169.3	172.6	176.8	181.0	184.8	189.0	195.1	201.1	207.2	213.3
70°	143.1	146.4	149.2	152.5	156.2	159.5	162.8	167.9	173.1	177.7	182.9
72.5°	115.5	118.8	122.1	125.4	128.6	131.9	135.2	139.4	143.1	147.3	151.1
75°	90.3	93.1	95.9	98.7	102.0	104.8	107.6	110.4	113.7	116.5	119.3
77.5°	64.1	67.4	70.2	72.5	75.3	77.6	80.0	81.9	83.7	85.6	87.5
80°	40.7	43.0	45.4	47.7	50.1	51.9	54.3	55.2	56.6	57.5	58.5
82.5°	20.6	22.9	25.3	27.1	29.5	31.3	33.2	33.7	34.6	35.1	35.5
85°	6.5	9.4	12.2	13.6	15.4	16.8	18.2	18.7	18.7	19.2	19.2
87.5°	0.9	3.3	5.6	7.0	8.9	10.3	11.7	11.7	11.7	11.7	11.7
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	191.8	191.3	191.3	190.8	190.8	190.4	190.4	189.9	189.9	189.9	189.4
5°	189.4	189.0	188.0	187.6	187.1	186.6	185.7	185.2	184.3	183.4	182.4
7.5°	186.6	185.7	184.8	183.8	182.4	180.6	179.2	177.3	175.4	174.0	172.1
10°	184.8	183.8	182.4	181.0	178.7	176.3	174.0	171.7	168.9	166.5	163.7
12.5°	188.0	186.6	184.8	183.4	181.0	178.2	175.9	173.1	170.3	167.5	164.7
15°	193.7	191.8	190.4	188.5	186.2	183.8	181.5	179.2	177.3	175.4	173.1
17.5°	199.3	198.3	196.9	195.5	194.1	193.2	191.8	190.4	189.4	188.0	187.1
20°	206.8	206.3	206.3	205.8	205.8	205.8	205.8	205.8	205.3	205.3	204.9
22.5°	215.6	216.6	218.0	218.9	220.3	221.7	222.7	224.1	225.5	226.9	227.8
25°	226.9	229.2	232.0	234.3	236.2	238.6	240.4	242.3	246.0	250.3	254.0
27.5°	237.6	241.8	245.6	249.3	252.1	254.9	257.7	260.5	267.6	274.6	281.6
30°	248.4	253.5	258.2	262.9	266.6	270.4	274.1	277.9	289.1	299.8	311.1
32.5°	259.1	264.3	269.9	275.0	280.7	286.7	292.4	298.0	312.9	327.9	342.4
35°	269.4	275.0	281.1	286.7	294.7	303.1	311.1	319.0	337.3	355.5	373.7
37.5°	279.3	286.3	292.8	299.4	309.7	319.9	329.8	340.1	362.0	384.0	405.5
40°	290.0	297.5	304.5	312.0	324.2	335.9	348.0	359.7	387.8	415.8	443.4
42.5°	298.9	307.3	315.7	324.2	338.7	352.7	367.2	381.2	416.3	451.9	486.9
45°	308.7	318.1	327.4	336.8	354.1	371.4	388.2	405.5	448.6	491.2	534.2
47.5°	317.6	327.4	337.7	347.5	369.1	390.1	411.6	432.7	483.2	534.2	584.7
50°	321.8	332.6	342.9	353.2	378.4	403.2	428.5	453.3	511.7	570.2	628.7
52.5°	325.1	335.9	347.1	357.8	386.4	414.9	443.4	472.0	536.1	599.7	663.8
55°	322.8	334.0	345.7	356.9	389.2	421.5	453.7	486.0	555.7	624.9	694.6
57.5°	311.5	323.2	334.5	345.7	381.2	416.8	451.9	487.4	561.3	634.8	708.7
60°	295.6	307.3	318.5	329.8	367.2	405.1	442.5	479.9	553.8	628.2	702.1
62.5°	275.5	287.7	299.4	311.5	351.3	390.6	430.3	469.6	542.1	614.6	687.1
65°	251.7	262.4	273.6	284.4	324.2	364.4	404.1	443.9	514.1	583.8	653.9
67.5°	223.6	233.9	243.7	254.0	292.4	330.7	369.1	407.4	472.0	536.1	600.6
70°	192.7	203.0	212.8	222.7	258.2	293.8	329.3	364.9	421.0	477.1	533.2
72.5°	160.4	169.8	178.7	188.0	220.3	252.1	284.4	316.2	363.9	411.6	459.3
75°	127.2	134.7	142.7	150.2	176.8	203.5	230.1	256.8	296.6	336.3	375.6
77.5°	93.6	99.6	105.7	111.8	132.4	152.5	173.1	193.2	224.1	254.9	285.8
80°	63.1	67.8	72.5	77.2	90.7	104.3	117.4	131.0	151.6	171.7	192.3
82.5°	38.4	41.2	44.0	46.8	55.2	63.1	71.6	79.5	91.7	104.3	116.5
85°	20.6	21.5	22.9	23.9	27.6	30.9	34.6	37.9	43.0	48.6	53.8
87.5°	11.7	11.7	11.7	11.7	11.7	12.2	12.2	12.2	13.1	13.6	14.5
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	189.4	189.4	189.0	189.0	188.5	188.5	188.5	188.0	188.0	188.0	188.0
5°	181.5	180.6	180.1	179.2	178.2	177.7	177.3	176.8	176.3	175.9	175.4
7.5°	170.3	168.9	167.0	165.6	163.7	162.3	161.4	160.0	158.6	157.6	157.2
10°	160.9	158.6	156.2	153.4	151.1	149.2	146.9	145.0	142.7	141.7	140.3
12.5°	161.8	159.5	157.2	154.4	152.0	150.2	148.3	145.9	144.1	142.7	141.3
15°	171.2	169.3	167.0	165.1	162.8	161.4	160.0	158.1	156.7	155.8	154.8
17.5°	185.7	184.8	183.4	182.4	181.0	180.6	179.6	179.2	178.2	178.2	178.2
20°	204.4	205.3	205.8	206.8	207.2	209.1	211.0	212.8	214.7	216.6	218.9
22.5°	229.2	232.9	237.2	240.9	244.6	250.7	256.8	262.4	268.5	274.6	280.7
25°	257.7	267.1	276.0	285.3	294.2	307.8	321.4	334.9	348.5	359.7	370.9
27.5°	288.6	303.6	319.0	334.0	349.0	369.1	389.6	409.8	429.9	444.4	458.4
30°	321.8	341.5	361.6	381.2	400.9	423.8	446.7	469.6	492.6	507.1	521.6
32.5°	357.4	380.8	404.1	427.5	450.9	476.2	501.9	527.2	552.4	567.9	583.8
35°	392.0	421.0	450.0	479.0	508.0	537.5	566.9	596.4	625.9	640.8	655.8
37.5°	427.5	464.0	500.0	536.5	572.5	604.8	637.1	669.4	701.6	715.7	729.7
40°	471.5	513.6	556.2	598.3	640.4	674.5	708.7	742.3	776.5	791.0	805.5
42.5°	522.0	570.7	618.8	667.5	715.7	753.1	790.1	827.5	864.4	878.5	893.0
45°	576.8	633.4	689.5	746.1	802.2	841.5	880.3	919.6	958.4	972.9	987.0
47.5°	635.2	696.5	757.8	819.1	880.3	923.8	967.3	1010.8	1054.3	1073.0	1091.3
50°	687.1	755.0	823.3	891.1	958.9	1005.7	1052.5	1098.8	1145.5	1164.3	1183.0
52.5°	727.4	803.6	879.9	956.1	1032.4	1079.1	1125.9	1172.7	1219.5	1240.0	1261.1
55°	763.9	840.1	916.3	992.6	1068.8	1119.4	1169.4	1219.9	1270.0	1292.9	1315.3
57.5°	782.1	858.3	934.6	1010.4	1086.6	1138.1	1189.5	1241.0	1292.4	1316.3	1340.6
60°	776.0	853.7	931.3	1009.0	1086.6	1134.8	1183.4	1231.6	1279.8	1304.1	1328.0
62.5°	759.6	832.1	905.1	977.6	1050.1	1099.2	1148.8	1197.9	1247.1	1270.4	1294.3
65°	723.6	791.9	860.2	928.0	996.3	1043.6	1090.4	1137.6	1184.4	1202.1	1219.9
67.5°	664.7	729.7	794.3	859.3	923.8	961.3	998.2	1035.6	1072.6	1092.2	1111.9
70°	589.4	646.9	704.9	762.5	820.0	853.2	886.9	920.1	953.3	974.3	995.4
72.5°	507.1	554.3	601.5	648.3	695.6	727.4	759.2	791.0	822.8	838.2	854.1
75°	415.4	452.8	490.2	527.2	564.6	589.4	614.2	638.5	663.3	675.4	687.1
77.5°	316.7	344.7	372.8	400.4	428.5	446.2	464.0	481.3	499.1	510.3	521.6
80°	212.4	232.5	252.6	272.2	292.4	306.9	320.9	335.4	349.4	355.5	361.1
82.5°	128.6	139.9	151.1	162.3	173.5	182.9	191.8	201.1	210.0	212.8	216.1
85°	58.9	64.1	69.2	73.9	79.1	83.7	88.4	92.6	97.3	98.7	100.6
87.5°	15.0	15.4	16.4	16.8	17.3	18.2	18.7	19.6	20.1	21.0	21.5
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	188.0	188.0	188.0	188.0
5°	174.9	174.5	174.5	174.0	174.5	174.5	174.9	175.4	175.9	176.3	176.8
7.5°	156.2	155.3	155.3	155.3	155.3	155.3	156.2	157.2	157.6	158.6	160.0
10°	139.4	138.0	137.5	136.6	137.5	138.0	139.4	140.3	141.7	142.7	145.0
12.5°	139.9	138.5	138.0	137.5	138.0	138.5	139.9	141.3	142.7	144.1	145.9
15°	153.4	152.5	152.0	151.1	152.0	152.5	153.4	154.8	155.8	156.7	158.1
17.5°	177.7	177.7	177.7	177.7	177.7	177.7	177.7	178.2	178.2	178.2	179.2
20°	220.8	222.7	223.1	223.6	223.1	222.7	220.8	218.9	216.6	214.7	212.8
22.5°	286.7	292.8	295.2	297.5	295.2	292.8	286.7	280.7	274.6	268.5	262.4
25°	381.7	392.9	397.6	402.3	397.6	392.9	381.7	370.9	359.7	348.5	334.9
27.5°	472.9	486.9	492.1	497.2	492.1	486.9	472.4	458.4	444.4	429.9	409.8
30°	535.6	550.1	553.8	557.1	553.8	550.1	535.6	521.1	507.1	492.6	469.6
32.5°	599.2	614.6	616.0	617.4	616.0	614.6	599.2	583.3	567.9	552.4	527.2
35°	670.3	685.3	689.5	693.7	689.5	685.3	670.3	655.3	640.8	625.9	596.4
37.5°	743.7	757.8	761.0	764.3	761.0	757.8	743.7	729.7	715.7	701.6	669.4
40°	820.0	834.5	836.8	838.7	836.8	834.5	820.0	805.5	791.0	776.5	742.3
42.5°	907.0	921.0	923.8	926.6	923.8	921.0	907.0	892.5	878.5	864.4	827.5
45°	1001.5	1015.5	1020.7	1025.8	1020.7	1015.5	1001.0	987.0	972.9	958.4	919.6
47.5°	1110.0	1128.2	1131.5	1134.8	1131.5	1128.2	1109.5	1091.3	1073.0	1054.3	1010.8
50°	1201.2	1219.9	1224.1	1228.3	1224.1	1219.9	1201.2	1182.5	1164.3	1145.5	1098.8
52.5°	1281.7	1302.3	1306.5	1310.7	1306.5	1302.3	1281.7	1260.6	1240.0	1219.5	1172.7
55°	1338.3	1360.7	1367.7	1374.8	1367.7	1360.7	1337.8	1315.3	1292.9	1270.0	1219.9
57.5°	1364.5	1388.3	1394.4	1400.5	1394.4	1388.3	1364.5	1340.1	1316.3	1292.4	1241.0
60°	1352.3	1376.2	1382.2	1388.3	1382.2	1376.2	1351.8	1328.0	1304.1	1279.8	1231.6
62.5°	1317.7	1341.1	1347.6	1353.7	1347.2	1341.1	1317.7	1293.8	1270.4	1247.1	1197.9
65°	1237.2	1255.0	1261.6	1267.6	1261.1	1255.0	1237.2	1219.5	1202.1	1184.4	1137.6
67.5°	1131.0	1150.7	1160.1	1168.9	1159.6	1150.7	1131.0	1111.4	1092.2	1072.6	1035.6
70°	1016.0	1037.0	1041.2	1045.0	1041.2	1037.0	1016.0	994.9	974.3	953.3	920.1
72.5°	869.6	885.0	889.7	893.9	889.7	885.0	869.6	853.7	838.2	822.8	791.0
75°	699.3	711.0	716.1	720.8	716.1	711.0	699.3	687.1	675.4	663.3	638.5
77.5°	532.3	543.5	546.8	550.1	546.8	543.5	532.3	521.6	510.3	499.1	481.3
80°	367.2	372.8	375.6	378.0	375.6	372.8	367.2	361.1	355.5	349.4	335.4
82.5°	218.9	221.7	222.7	223.1	222.7	221.7	218.9	216.1	212.8	210.0	201.1
85°	102.0	103.4	104.8	106.2	104.8	103.4	102.0	100.6	98.7	97.3	92.6
87.5°	22.5	22.9	22.9	22.9	22.9	22.9	22.5	21.5	21.0	20.1	19.6
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	188.5	188.5	188.5	189.0	189.0	189.4	189.4	189.4	189.9	189.9	189.9
5°	177.3	177.7	178.2	179.2	180.1	180.6	181.5	182.4	183.4	184.3	185.2
7.5°	161.4	162.3	163.7	165.6	167.0	168.9	170.3	172.1	174.0	175.4	177.3
10°	146.9	149.2	151.1	153.4	156.2	158.6	160.9	163.7	166.5	168.9	171.7
12.5°	148.3	150.2	152.0	154.4	157.2	159.5	161.8	164.7	167.5	170.3	173.1
15°	160.0	161.4	162.8	165.1	167.0	169.3	171.2	173.1	175.4	177.3	179.2
17.5°	179.6	180.6	181.0	182.4	183.4	184.8	185.7	187.1	188.0	189.4	190.4
20°	211.0	209.1	207.2	206.8	205.8	205.3	204.4	204.9	205.3	205.3	205.8
22.5°	256.8	250.7	244.6	240.9	236.7	232.9	229.2	227.8	226.9	225.5	224.1
25°	321.4	307.8	294.2	284.9	276.0	266.6	257.7	254.0	250.3	246.0	242.3
27.5°	389.6	369.1	349.0	334.0	318.5	303.6	288.6	281.6	274.6	267.6	260.5
30°	446.7	423.8	400.9	381.2	361.1	341.5	321.8	310.6	299.8	289.1	277.9
32.5°	501.9	476.2	450.9	427.5	404.1	380.8	357.4	342.4	327.9	312.9	298.0
35°	566.9	537.5	508.0	479.0	450.0	421.0	392.0	373.7	355.5	337.3	319.0
37.5°	637.1	604.8	572.5	536.1	500.0	463.6	427.5	405.5	384.0	362.0	340.1
40°	708.7	674.5	640.4	598.3	555.7	513.6	471.5	443.4	415.8	387.8	359.7
42.5°	790.1	753.1	715.7	667.0	618.8	570.2	522.0	486.9	451.9	416.3	381.2
45°	880.3	841.5	802.2	745.6	689.5	632.9	576.8	533.7	491.2	448.6	405.5
47.5°	967.3	923.8	880.3	819.1	757.8	696.5	635.2	584.7	534.2	483.2	432.7
50°	1052.5	1005.7	958.9	891.1	822.8	755.0	687.1	628.7	570.2	511.7	453.3
52.5°	1125.9	1079.1	1032.4	956.1	879.9	803.6	727.4	663.3	599.7	536.1	472.0
55°	1169.4	1119.4	1068.8	992.6	916.3	840.1	763.9	694.2	624.9	555.7	486.0
57.5°	1189.5	1138.1	1086.6	1010.4	934.1	858.3	782.1	708.2	634.8	561.3	487.4
60°	1183.4	1134.8	1086.6	1009.0	931.3	853.7	776.0	702.1	628.2	553.8	479.9
62.5°	1148.8	1099.2	1050.1	977.6	904.7	832.1	759.6	687.1	614.6	542.1	469.6
65°	1090.4	1043.6	996.3	928.0	859.7	791.9	723.6	653.5	583.8	514.1	443.9
67.5°	998.2	961.3	923.8	858.8	794.3	729.2	664.7	600.1	536.1	472.0	407.4
70°	886.9	853.2	820.0	762.5	704.4	646.9	589.4	533.2	477.1	421.0	364.9
72.5°	759.2	727.4	695.6	648.3	601.1	554.3	507.1	459.3	411.6	363.9	316.2
75°	614.2	589.4	564.6	527.2	489.7	452.8	415.4	375.6	336.3	296.6	256.8
77.5°	464.0	446.2	428.5	400.4	372.3	344.7	316.7	285.8	254.9	224.1	193.2
80°	320.9	306.9	292.4	272.2	252.1	232.5	212.4	191.8	171.7	151.6	131.0
82.5°	191.8	182.9	173.5	162.3	151.1	139.9	128.6	116.5	104.3	91.7	79.5
85°	88.4	83.7	79.1	73.9	68.8	64.1	58.9	53.8	48.6	43.0	37.9
87.5°	18.7	18.2	17.3	16.8	16.4	15.4	15.0	14.5	13.6	13.1	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	190.4	190.4	190.8	190.8	191.3	191.3	191.8	191.8	191.8	191.8	191.8
5°	185.7	186.6	187.1	187.6	188.0	189.0	189.4	189.9	190.4	190.8	190.8
7.5°	179.2	180.6	182.4	183.8	184.8	185.7	186.6	187.6	188.0	188.5	189.0
10°	174.0	176.3	178.7	181.0	182.4	183.8	184.8	186.2	186.6	187.6	188.0
12.5°	175.9	178.2	181.0	183.4	184.8	186.6	188.0	189.4	189.9	190.4	190.4
15°	181.5	183.8	186.2	188.5	190.4	191.8	193.7	195.1	195.1	195.5	195.5
17.5°	191.8	193.2	194.1	195.5	196.9	198.3	199.3	200.7	200.7	201.1	201.1
20°	205.8	205.8	205.8	205.8	206.3	206.3	206.8	206.8	207.2	207.2	207.7
22.5°	222.7	221.7	220.3	218.9	218.0	216.6	215.6	214.2	214.2	214.2	213.8
25°	240.4	238.6	236.2	234.3	232.0	229.2	226.9	224.1	223.1	222.2	220.8
27.5°	257.7	254.9	252.1	249.3	245.6	241.8	237.6	233.9	232.0	229.7	227.8
30°	274.1	270.4	266.6	262.9	258.2	253.5	248.4	243.7	240.4	237.2	233.9
32.5°	292.4	286.7	280.7	275.0	269.9	264.3	259.1	253.5	249.3	245.1	240.4
35°	311.1	303.1	294.7	286.7	281.1	275.0	269.4	263.4	258.2	252.6	247.4
37.5°	329.8	319.9	309.7	299.4	292.8	286.3	279.3	272.7	266.6	260.5	254.0
40°	348.0	335.9	324.2	312.0	304.5	297.5	290.0	282.5	275.5	268.5	261.5
42.5°	367.2	352.7	338.7	324.2	315.7	307.3	298.9	290.5	283.0	276.0	268.5
45°	388.2	371.4	354.1	336.8	327.4	318.1	308.7	299.4	291.4	283.0	275.0
47.5°	411.6	390.1	369.1	347.5	337.7	327.4	317.6	307.3	298.4	290.0	281.1
50°	428.5	403.2	378.4	353.2	342.9	332.6	321.8	311.5	302.2	293.3	283.9
52.5°	443.4	414.9	386.4	357.8	347.1	335.9	325.1	313.9	304.5	294.7	285.3
55°	453.7	421.5	389.2	356.9	345.7	334.0	322.8	311.1	301.7	291.9	282.5
57.5°	451.9	416.8	381.2	345.7	334.5	323.2	311.5	300.3	291.4	282.5	273.6
60°	442.5	405.1	367.2	329.8	318.5	307.3	295.6	284.4	276.0	268.0	259.6
62.5°	430.3	390.6	351.3	311.5	299.4	287.7	275.5	263.4	256.3	249.3	241.8
65°	404.1	364.4	324.2	284.4	273.6	262.4	251.7	240.4	233.9	227.3	220.8
67.5°	369.1	330.7	292.4	254.0	243.7	233.9	223.6	213.3	207.2	201.1	195.1
70°	329.3	293.8	258.2	222.7	212.8	203.0	192.7	182.9	177.7	173.1	167.9
72.5°	284.4	252.1	220.3	188.0	178.7	169.8	160.4	151.1	147.3	143.1	139.4
75°	230.1	203.5	176.8	150.2	142.7	134.7	127.2	119.3	116.5	113.7	110.4
77.5°	173.1	152.5	132.4	111.8	105.7	99.6	93.6	87.5	85.6	83.7	81.9
80°	117.4	104.3	90.7	77.2	72.5	67.8	63.1	58.5	57.5	56.6	55.2
82.5°	71.6	63.1	55.2	46.8	44.0	41.2	38.4	35.5	35.1	34.6	33.7
85°	34.6	30.9	27.6	23.9	22.9	21.5	20.6	19.2	19.2	18.7	18.7
87.5°	12.2	12.2	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	191.8	191.8	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
5°	191.3	191.8	191.8	192.3	192.3	192.7	192.7	192.7	192.3	192.3	191.8
7.5°	189.4	189.9	189.9	190.4	190.4	190.4	190.4	190.4	190.4	190.4	189.9
10°	188.5	188.5	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
12.5°	190.8	190.8	190.4	190.4	189.9	189.9	189.4	189.9	189.9	190.4	190.4
15°	195.5	195.1	194.6	194.1	193.7	193.7	193.2	193.7	193.7	194.1	194.6
17.5°	201.1	200.7	199.7	199.3	198.3	197.9	196.9	197.9	198.3	199.3	199.7
20°	207.7	206.8	205.3	204.4	203.0	202.5	201.6	202.5	203.0	204.4	205.3
22.5°	213.8	212.4	211.0	209.1	207.7	206.8	205.8	206.8	207.7	209.1	211.0
25°	219.8	218.0	216.6	214.7	212.8	211.9	210.5	211.9	212.8	214.7	216.6
27.5°	225.5	223.6	221.7	219.8	218.0	216.6	215.2	216.6	218.0	219.8	221.7
30°	230.6	228.7	226.4	224.1	222.2	220.8	219.4	220.8	222.2	224.5	226.4
32.5°	236.2	233.9	231.5	229.2	226.9	225.0	223.1	225.0	226.9	229.2	231.5
35°	241.8	239.0	236.7	233.9	231.1	229.2	227.3	229.2	231.1	233.9	236.7
37.5°	247.9	244.6	241.8	238.6	235.3	232.9	231.1	233.4	235.3	238.6	241.8
40°	254.5	250.7	247.4	243.7	240.0	237.6	235.3	237.6	240.0	243.7	247.4
42.5°	261.0	256.8	252.6	247.9	243.7	241.4	239.0	241.4	243.7	247.9	252.6
45°	266.6	261.9	257.3	252.6	247.9	245.6	243.2	245.6	247.9	252.6	257.3
47.5°	272.2	267.1	261.9	256.8	251.7	249.3	247.0	249.3	251.7	256.8	261.9
50°	274.6	269.0	263.8	258.2	252.6	249.8	247.4	250.3	252.6	258.2	263.8
52.5°	275.5	269.9	264.3	258.2	252.6	249.8	247.4	250.3	252.6	258.2	264.3
55°	272.7	266.6	261.0	254.9	248.8	246.0	243.7	246.5	248.8	254.9	261.0
57.5°	264.8	258.7	253.1	247.0	240.9	237.6	234.8	238.1	240.9	247.0	253.1
60°	251.2	245.6	240.4	234.8	229.2	225.9	222.7	225.9	229.2	234.8	240.4
62.5°	234.8	229.7	224.5	219.4	214.2	211.0	208.2	211.4	214.2	219.4	224.5
65°	214.2	209.6	204.9	199.7	195.1	191.3	187.6	191.3	195.1	199.7	204.9
67.5°	189.0	184.8	181.0	176.8	172.6	168.9	165.6	169.3	172.6	176.8	181.0
70°	162.8	159.5	156.2	152.5	149.2	145.9	143.1	146.4	149.2	152.5	156.2
72.5°	135.2	131.9	128.6	125.4	122.1	118.8	115.5	118.8	122.1	125.4	128.6
75°	107.6	104.8	102.0	98.7	95.9	93.1	90.3	93.1	95.9	98.7	102.0
77.5°	80.0	77.6	75.3	72.5	70.2	66.9	64.1	67.4	70.2	72.5	75.3
80°	54.3	51.9	50.1	47.7	45.4	43.0	40.7	43.0	45.4	47.7	50.1
82.5°	33.2	31.3	29.5	27.1	25.3	22.9	20.6	22.9	25.3	27.1	29.5
85°	18.2	16.8	15.4	13.6	12.2	9.4	6.5	9.4	12.2	13.6	15.4
87.5°	11.7	10.3	8.9	7.0	5.6	3.3	0.9	3.3	5.6	7.0	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.3	191.3	190.8	190.8
5°	191.8	191.3	190.8	190.8	190.4	189.9	189.4	189.0	188.0	187.6	187.1
7.5°	189.9	189.4	189.0	188.5	188.0	187.6	186.6	185.7	184.8	183.8	182.4
10°	188.5	188.5	188.0	187.6	186.6	186.2	184.8	183.8	182.4	181.0	178.7
12.5°	190.8	190.8	190.4	190.4	189.9	189.4	188.0	186.6	184.8	183.4	181.0
15°	195.1	195.5	195.5	195.5	195.1	195.1	193.7	191.8	190.4	188.5	186.2
17.5°	200.7	201.1	201.1	201.1	200.7	200.7	199.3	198.3	196.9	195.5	194.1
20°	206.8	207.7	207.7	207.2	207.2	206.8	206.8	206.3	206.3	205.8	205.8
22.5°	212.4	213.8	213.8	214.2	214.2	214.2	215.6	216.6	218.0	218.9	220.3
25°	218.0	219.8	220.8	222.2	223.1	224.1	226.9	229.2	232.0	234.3	236.2
27.5°	223.6	225.5	227.8	229.7	232.0	233.9	237.6	241.8	245.6	249.3	252.1
30°	228.7	230.6	233.9	237.2	240.4	243.7	248.4	253.5	258.2	262.9	266.6
32.5°	233.9	236.2	240.4	245.1	249.3	253.5	259.1	264.3	269.9	275.0	280.7
35°	239.0	241.8	247.4	252.6	258.2	263.4	269.4	275.0	281.1	286.7	294.7
37.5°	244.6	247.9	254.0	260.5	266.6	272.7	279.3	286.3	292.8	299.4	309.7
40°	250.7	254.5	261.5	268.5	275.5	282.5	290.0	297.5	304.5	312.0	324.2
42.5°	256.8	261.0	268.5	276.0	283.0	290.5	298.9	307.3	315.7	324.2	338.7
45°	261.9	266.6	275.0	283.0	291.4	299.4	308.7	318.1	327.4	336.8	354.1
47.5°	267.1	272.2	281.1	290.0	298.4	307.3	317.6	327.4	337.7	347.5	369.1
50°	269.0	274.6	283.9	293.3	302.2	311.5	321.8	332.6	342.9	353.2	378.4
52.5°	269.9	275.5	285.3	294.7	304.5	313.9	325.1	335.9	347.1	357.8	386.4
55°	266.6	272.7	282.5	291.9	301.7	311.1	322.8	334.0	345.7	356.9	389.2
57.5°	258.7	264.8	273.6	282.5	291.4	300.3	311.5	323.2	334.5	345.7	381.2
60°	245.6	251.2	259.6	268.0	276.0	284.4	295.6	307.3	318.5	329.8	367.2
62.5°	229.7	234.8	241.8	249.3	256.3	263.4	275.5	287.7	299.4	311.5	351.3
65°	209.6	214.2	220.8	227.3	233.9	240.4	251.7	262.4	273.6	284.4	324.2
67.5°	184.8	189.0	195.1	201.1	207.2	213.3	223.6	233.9	243.7	254.0	292.4
70°	159.5	162.8	167.9	173.1	177.7	182.9	192.7	203.0	212.8	222.7	258.2
72.5°	131.9	135.2	139.4	143.1	147.3	151.1	160.4	169.8	178.7	188.0	220.3
75°	104.8	107.6	110.4	113.7	116.5	119.3	127.2	134.7	142.7	150.2	176.8
77.5°	77.6	80.0	81.9	83.7	85.6	87.5	93.6	99.6	105.7	111.8	132.4
80°	51.9	54.3	55.2	56.6	57.5	58.5	63.1	67.8	72.5	77.2	90.7
82.5°	31.3	33.2	33.7	34.6	35.1	35.5	38.4	41.2	44.0	46.8	55.2
85°	16.8	18.2	18.7	18.7	19.2	19.2	20.6	21.5	22.9	23.9	27.6
87.5°	10.3	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	190.4	190.4	189.9	189.9	189.9	189.4	189.4	189.4	189.0	189.0	188.5
5°	186.6	185.7	185.2	184.3	183.4	182.4	181.5	180.6	180.1	179.2	178.2
7.5°	180.6	179.2	177.3	175.4	174.0	172.1	170.3	168.9	167.0	165.6	163.7
10°	176.3	174.0	171.7	168.9	166.5	163.7	160.9	158.6	156.2	153.4	151.1
12.5°	178.2	175.9	173.1	170.3	167.5	164.7	161.8	159.5	157.2	154.4	152.0
15°	183.8	181.5	179.2	177.3	175.4	173.1	171.2	169.3	167.0	165.1	162.8
17.5°	193.2	191.8	190.4	189.4	188.0	187.1	185.7	184.8	183.4	182.4	181.0
20°	205.8	205.8	205.8	205.3	205.3	204.9	204.4	205.3	205.8	206.8	207.2
22.5°	221.7	222.7	224.1	225.5	226.9	227.8	229.2	232.9	237.2	240.9	244.6
25°	238.6	240.4	242.3	246.0	250.3	254.0	257.7	267.1	276.0	285.3	294.2
27.5°	254.9	257.7	260.5	267.6	274.6	281.6	288.6	303.6	319.0	334.0	349.0
30°	270.4	274.1	277.9	289.1	299.8	311.1	321.8	341.5	361.6	381.2	400.9
32.5°	286.7	292.4	298.0	312.9	327.9	342.4	357.4	380.8	404.1	427.5	450.9
35°	303.1	311.1	319.0	337.3	355.5	373.7	392.0	421.0	450.0	479.0	508.0
37.5°	319.9	329.8	340.1	362.0	384.0	405.5	427.5	464.0	500.0	536.5	572.5
40°	335.9	348.0	359.7	387.8	415.8	443.4	471.5	513.6	556.2	598.3	640.4
42.5°	352.7	367.2	381.2	416.3	451.9	486.9	522.0	570.7	618.8	667.5	715.7
45°	371.4	388.2	405.5	448.6	491.2	534.2	576.8	633.4	689.5	746.1	802.2
47.5°	390.1	411.6	432.7	483.2	534.2	584.7	635.2	696.5	757.8	819.1	880.3
50°	403.2	428.5	453.3	511.7	570.2	628.7	687.1	755.0	823.3	891.1	958.9
52.5°	414.9	443.4	472.0	536.1	599.7	663.8	727.4	803.6	879.9	956.1	1032.4
55°	421.5	453.7	486.0	555.7	624.9	694.6	763.9	840.1	916.3	992.6	1068.8
57.5°	416.8	451.9	487.4	561.3	634.8	708.7	782.1	858.3	934.6	1010.4	1086.6
60°	405.1	442.5	479.9	553.8	628.2	702.1	776.0	853.7	931.3	1009.0	1086.6
62.5°	390.6	430.3	469.6	542.1	614.6	687.1	759.6	832.1	905.1	977.6	1050.1
65°	364.4	404.1	443.9	514.1	583.8	653.9	723.6	791.9	860.2	928.0	996.3
67.5°	330.7	369.1	407.4	472.0	536.1	600.6	664.7	729.7	794.3	859.3	923.8
70°	293.8	329.3	364.9	421.0	477.1	533.2	589.4	646.9	704.9	762.5	820.0
72.5°	252.1	284.4	316.2	363.9	411.6	459.3	507.1	554.3	601.5	648.3	695.6
75°	203.5	230.1	256.8	296.6	336.3	375.6	415.4	452.8	490.2	527.2	564.6
77.5°	152.5	173.1	193.2	224.1	254.9	285.8	316.7	344.7	372.8	400.4	428.5
80°	104.3	117.4	131.0	151.6	171.7	192.3	212.4	232.5	252.6	272.2	292.4
82.5°	63.1	71.6	79.5	91.7	104.3	116.5	128.6	139.9	151.1	162.3	173.5
85°	30.9	34.6	37.9	43.0	48.6	53.8	58.9	64.1	69.2	73.9	79.1
87.5°	12.2	12.2	12.2	13.1	13.6	14.5	15.0	15.4	16.4	16.8	17.3
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	188.5	188.5	188.0	188.0	188.0	188.0	187.6	187.6	187.6	187.6	187.6
5°	177.7	177.3	176.8	176.3	175.9	175.4	174.9	174.5	174.5	174.0	174.5
7.5°	162.3	161.4	160.0	158.6	157.6	157.2	156.2	155.3	155.3	155.3	155.3
10°	149.2	146.9	145.0	142.7	141.7	140.3	139.4	138.0	137.5	136.6	137.5
12.5°	150.2	148.3	145.9	144.1	142.7	141.3	139.9	138.5	138.0	137.5	138.0
15°	161.4	160.0	158.1	156.7	155.8	154.8	153.4	152.5	152.0	151.1	152.0
17.5°	180.6	179.6	179.2	178.2	178.2	178.2	177.7	177.7	177.7	177.7	177.7
20°	209.1	211.0	212.8	214.7	216.6	218.9	220.8	222.7	223.1	223.6	223.1
22.5°	250.7	256.8	262.4	268.5	274.6	280.7	286.7	292.8	295.2	297.5	295.2
25°	307.8	321.4	334.9	348.5	359.7	370.9	381.7	392.9	397.6	402.3	397.6
27.5°	369.1	389.6	409.8	429.9	443.9	458.4	472.4	486.9	492.1	497.2	492.1
30°	423.8	446.7	469.6	492.6	507.1	521.6	535.6	550.1	553.4	557.1	553.8
32.5°	476.2	501.9	527.2	552.4	567.9	583.8	599.2	614.6	616.0	617.4	616.0
35°	537.5	566.9	596.4	625.9	640.8	655.8	670.3	685.3	689.5	693.7	689.5
37.5°	604.8	637.1	669.4	701.6	715.7	729.7	743.7	757.8	761.0	764.3	761.0
40°	674.5	708.7	742.3	776.5	791.0	805.5	820.0	834.5	836.4	838.7	836.8
42.5°	753.1	790.1	827.0	864.4	878.5	893.0	907.0	921.0	923.8	926.6	923.8
45°	841.5	880.3	919.2	958.4	972.5	987.0	1001.0	1015.5	1020.7	1025.8	1020.7
47.5°	923.8	967.3	1010.8	1054.3	1072.6	1091.3	1109.5	1128.2	1131.5	1134.8	1131.5
50°	1005.7	1052.5	1098.8	1145.5	1164.3	1183.0	1201.2	1219.9	1224.1	1228.3	1224.1
52.5°	1079.1	1125.9	1172.7	1219.5	1240.0	1261.1	1281.7	1302.3	1306.5	1310.7	1306.5
55°	1119.4	1169.4	1219.5	1270.0	1292.4	1315.3	1337.8	1360.7	1367.7	1374.8	1367.7
57.5°	1138.1	1189.5	1241.0	1292.4	1316.3	1340.6	1364.5	1388.3	1394.4	1400.5	1394.4
60°	1134.8	1183.4	1231.6	1279.8	1303.7	1328.0	1351.8	1376.2	1382.2	1388.3	1382.2
62.5°	1099.2	1148.8	1197.9	1247.1	1270.4	1294.3	1317.7	1341.1	1347.2	1353.7	1347.6
65°	1043.6	1090.4	1137.1	1184.4	1202.1	1219.9	1237.2	1255.0	1261.1	1267.6	1261.6
67.5°	961.3	998.2	1035.2	1072.6	1092.2	1111.9	1131.0	1150.7	1159.6	1168.9	1160.1
70°	853.2	886.9	920.1	953.3	974.3	995.4	1016.0	1037.0	1040.8	1045.0	1041.2
72.5°	727.4	759.2	791.0	822.8	838.2	854.1	869.6	885.0	889.2	893.9	889.7
75°	589.4	614.2	638.5	663.3	675.0	687.1	698.8	711.0	715.7	720.8	716.1
77.5°	446.2	464.0	481.3	499.1	510.3	521.6	532.3	543.5	546.8	550.1	546.8
80°	306.9	320.9	334.9	349.4	355.0	361.1	366.7	372.8	375.1	378.0	375.6
82.5°	182.9	191.8	200.7	210.0	212.8	216.1	218.9	221.7	222.7	223.1	222.7
85°	83.7	88.4	92.6	97.3	98.7	100.6	102.0	103.4	104.8	106.2	104.8
87.5°	18.2	18.7	19.6	20.1	21.0	21.5	22.5	22.9	22.9	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	187.6	187.6	188.0	188.0	188.0	188.0	188.5	188.5	188.5	189.0	189.0
5°	174.5	174.9	175.4	175.9	176.3	176.8	177.3	177.7	178.2	179.2	180.1
7.5°	155.3	156.2	157.2	157.6	158.6	160.0	161.4	162.3	163.7	165.6	167.0
10°	138.0	139.4	140.3	141.7	142.7	145.0	146.9	149.2	151.1	153.4	156.2
12.5°	138.5	139.9	141.3	142.7	144.1	145.9	148.3	150.2	152.0	154.4	157.2
15°	152.5	153.4	154.8	155.8	156.7	158.1	160.0	161.4	162.8	165.1	167.0
17.5°	177.7	177.7	178.2	178.2	178.2	179.2	179.6	180.6	181.0	182.4	183.4
20°	222.7	220.8	218.9	216.6	214.7	212.8	211.0	209.1	207.2	206.8	205.8
22.5°	292.8	286.7	280.7	274.6	268.5	262.4	256.8	250.7	244.6	240.9	237.2
25°	392.9	381.7	370.9	359.7	348.5	334.9	321.4	307.8	294.2	284.9	276.0
27.5°	486.9	472.4	458.4	443.9	429.9	409.8	389.6	369.1	349.0	334.0	319.0
30°	550.1	535.6	521.6	507.1	492.6	469.6	446.7	423.8	400.9	381.2	361.6
32.5°	614.6	599.2	583.8	567.9	552.4	527.2	501.9	476.2	450.9	427.5	404.1
35°	685.3	670.3	655.8	640.8	625.9	596.4	566.9	537.5	508.0	479.0	450.0
37.5°	757.8	743.7	729.7	715.7	701.6	669.4	637.1	604.8	572.5	536.1	500.0
40°	834.5	820.0	805.5	791.0	776.5	742.3	708.7	674.5	640.4	598.3	556.2
42.5°	921.0	907.0	893.0	878.5	864.4	827.0	790.1	752.6	715.7	667.0	618.8
45°	1015.5	1001.0	987.0	972.5	958.4	919.2	880.3	841.0	802.2	745.6	689.5
47.5°	1128.2	1109.5	1091.3	1072.6	1054.3	1010.8	967.3	923.8	880.3	819.1	757.8
50°	1219.9	1201.2	1183.0	1164.3	1145.5	1098.8	1052.5	1005.7	958.9	891.1	823.3
52.5°	1302.3	1281.7	1261.1	1240.0	1219.5	1172.7	1125.9	1079.1	1032.4	956.1	879.9
55°	1360.7	1337.8	1315.3	1292.4	1270.0	1219.5	1169.4	1118.9	1068.8	992.6	916.3
57.5°	1388.3	1364.5	1340.6	1316.3	1292.4	1241.0	1189.5	1138.1	1086.6	1010.4	934.6
60°	1376.2	1351.8	1328.0	1303.7	1279.8	1231.6	1183.4	1134.8	1086.6	1009.0	931.3
62.5°	1341.1	1317.7	1294.3	1270.4	1247.1	1197.9	1148.8	1099.2	1050.1	977.6	905.1
65°	1255.0	1237.2	1219.9	1202.1	1184.4	1137.1	1090.4	1043.1	996.3	928.0	860.2
67.5°	1150.7	1131.0	1111.9	1092.2	1072.6	1035.2	998.2	960.8	923.8	858.8	794.3
70°	1037.0	1016.0	995.4	974.3	953.3	920.1	886.9	853.2	820.0	762.5	704.9
72.5°	885.0	869.6	854.1	838.2	822.8	791.0	759.2	727.4	695.6	648.3	601.5
75°	711.0	698.8	687.1	675.0	663.3	638.5	614.2	589.4	564.6	527.2	490.2
77.5°	543.5	532.3	521.6	510.3	499.1	481.3	464.0	446.2	428.5	400.4	372.8
80°	372.8	366.7	361.1	355.0	349.4	334.9	320.9	306.4	292.4	272.2	252.6
82.5°	221.7	218.9	216.1	212.8	210.0	200.7	191.8	182.4	173.5	162.3	151.1
85°	103.4	102.0	100.6	98.7	97.3	92.6	88.4	83.7	79.1	73.9	69.2
87.5°	22.9	22.5	21.5	21.0	20.1	19.6	18.7	18.2	17.3	16.8	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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	189.4	189.4	189.4	189.9	189.9	189.9	190.4	190.4	190.8	190.8	191.3
5°	180.6	181.5	182.4	183.4	184.3	185.2	185.7	186.6	187.1	187.6	188.0
7.5°	168.9	170.3	172.1	174.0	175.4	177.3	179.2	180.6	182.4	183.8	184.8
10°	158.6	160.9	163.7	166.5	168.9	171.7	174.0	176.3	178.7	181.0	182.4
12.5°	159.5	161.8	164.7	167.5	170.3	173.1	175.9	178.2	181.0	183.4	184.8
15°	169.3	171.2	173.1	175.4	177.3	179.2	181.5	183.8	186.2	188.5	190.4
17.5°	184.8	185.7	187.1	188.0	189.4	190.4	191.8	193.2	194.1	195.5	196.9
20°	205.3	204.4	204.9	205.3	205.3	205.8	205.8	205.8	205.8	205.8	206.3
22.5°	232.9	229.2	227.8	226.9	225.5	224.1	222.7	221.7	220.3	218.9	218.0
25°	267.1	257.7	254.0	250.3	246.0	242.3	240.4	238.6	236.2	234.3	232.0
27.5°	303.6	288.6	281.6	274.6	267.6	260.5	257.7	254.9	252.1	249.3	245.6
30°	341.5	321.8	311.1	299.8	289.1	277.9	274.1	270.4	266.6	262.9	258.2
32.5°	380.8	357.4	342.4	327.9	312.9	298.0	292.4	286.7	280.7	275.0	269.9
35°	421.0	392.0	373.7	355.5	337.3	319.0	311.1	303.1	294.7	286.7	281.1
37.5°	464.0	427.5	405.5	384.0	362.0	340.1	329.8	319.9	309.7	299.4	292.8
40°	513.6	471.5	443.4	415.8	387.8	359.7	348.0	335.9	324.2	312.0	304.5
42.5°	570.7	522.0	486.9	451.9	416.3	381.2	367.2	352.7	338.7	324.2	315.7
45°	633.4	576.8	534.2	491.2	448.6	405.5	388.2	371.4	354.1	336.8	327.4
47.5°	696.5	635.2	584.7	534.2	483.2	432.7	411.6	390.1	369.1	347.5	337.7
50°	755.0	687.1	628.7	570.2	511.7	453.3	428.5	403.2	378.4	353.2	342.9
52.5°	803.6	727.4	663.8	599.7	536.1	472.0	443.4	414.9	386.4	357.8	347.1
55°	840.1	763.9	694.6	624.9	555.7	486.0	453.7	421.5	389.2	356.9	345.7
57.5°	858.3	782.1	708.7	634.8	561.3	487.4	451.9	416.8	381.2	345.7	334.5
60°	853.7	776.0	702.1	628.2	553.8	479.9	442.5	405.1	367.2	329.8	318.5
62.5°	832.1	759.6	687.1	614.6	542.1	469.6	430.3	390.6	351.3	311.5	299.4
65°	791.9	723.6	653.9	583.8	514.1	443.9	404.1	364.4	324.2	284.4	273.6
67.5°	729.7	664.7	600.6	536.1	472.0	407.4	369.1	330.7	292.4	254.0	243.7
70°	646.9	589.4	533.2	477.1	421.0	364.9	329.3	293.8	258.2	222.7	212.8
72.5°	554.3	507.1	459.3	411.6	363.9	316.2	284.4	252.1	220.3	188.0	178.7
75°	452.8	415.4	375.6	336.3	296.6	256.8	230.1	203.5	176.8	150.2	142.7
77.5°	344.7	316.7	285.8	254.9	224.1	193.2	173.1	152.5	132.4	111.8	105.7
80°	232.5	212.4	192.3	171.7	151.6	131.0	117.4	104.3	90.7	77.2	72.5
82.5°	139.9	128.6	116.5	104.3	91.7	79.5	71.6	63.1	55.2	46.8	44.0
85°	64.1	58.9	53.8	48.6	43.0	37.9	34.6	30.9	27.6	23.9	22.9
87.5°	15.4	15.0	14.5	13.6	13.1	12.2	12.2	12.2	11.7	11.7	11.7
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	191.3	191.8	191.8	191.8	191.8	191.8	191.8	191.8	192.3	192.3	192.3
5°	189.0	189.4	189.9	190.4	190.8	190.8	191.3	191.8	191.8	192.3	192.3
7.5°	185.7	186.6	187.6	188.0	188.5	189.0	189.4	189.9	189.9	190.4	190.4
10°	183.4	184.8	186.2	186.6	187.6	188.0	188.5	188.5	189.0	189.0	189.0
12.5°	186.2	188.0	189.4	189.9	190.4	190.4	190.8	190.8	190.4	190.4	189.9
15°	191.8	193.7	195.1	195.1	195.5	195.5	195.5	195.1	194.6	194.1	193.7
17.5°	197.9	199.3	200.7	200.7	201.1	201.1	201.1	200.7	199.7	199.3	198.3
20°	206.3	206.8	206.8	207.2	207.2	207.7	207.7	206.8	205.3	204.4	203.0
22.5°	216.6	215.6	214.2	214.2	214.2	213.8	213.8	212.4	211.0	209.1	207.7
25°	229.2	226.9	224.1	223.1	222.2	220.8	219.8	218.0	216.6	214.7	212.8
27.5°	241.8	237.6	233.9	232.0	229.7	227.8	225.5	223.6	221.7	219.8	218.0
30°	253.5	248.4	243.7	240.4	237.2	233.9	230.6	228.7	226.4	224.5	222.2
32.5°	264.3	259.1	253.5	249.3	245.1	240.4	236.2	233.9	231.5	229.2	226.9
35°	275.0	269.4	263.4	258.2	252.6	247.4	241.8	239.0	236.7	233.9	231.1
37.5°	286.3	279.3	272.7	266.6	260.5	254.0	247.9	244.6	241.8	238.6	235.3
40°	297.5	290.0	282.5	275.5	268.5	261.5	254.5	250.7	247.4	243.7	240.0
42.5°	307.3	298.9	290.5	283.0	276.0	268.5	261.0	256.8	252.6	247.9	243.7
45°	318.1	308.7	299.4	291.4	283.0	275.0	266.6	261.9	257.3	252.6	247.9
47.5°	327.4	317.6	307.3	298.4	290.0	281.1	272.2	267.1	261.9	256.8	251.7
50°	332.6	321.8	311.5	302.2	293.3	283.9	274.6	269.0	263.8	258.2	252.6
52.5°	335.9	325.1	313.9	304.5	294.7	285.3	275.5	269.9	264.3	258.2	252.6
55°	334.0	322.8	311.1	301.7	291.9	282.5	272.7	266.6	261.0	254.9	248.8
57.5°	323.2	311.5	300.3	291.4	282.5	273.6	264.8	258.7	253.1	247.0	240.9
60°	307.3	295.6	284.4	276.0	268.0	259.6	251.2	245.6	240.4	234.8	229.2
62.5°	287.7	275.5	263.4	256.3	249.3	241.8	234.8	229.7	224.5	219.4	214.2
65°	262.4	251.7	240.4	233.9	227.3	220.8	214.2	209.6	204.9	199.7	195.1
67.5°	233.9	223.6	213.3	207.2	201.1	195.1	189.0	184.8	181.0	176.8	172.6
70°	203.0	192.7	182.9	177.7	173.1	167.9	162.8	159.5	156.2	152.5	149.2
72.5°	169.8	160.4	151.1	147.3	143.1	139.4	135.2	131.9	128.6	125.4	122.1
75°	134.7	127.2	119.3	116.5	113.7	110.4	107.6	104.8	102.0	98.7	95.9
77.5°	99.6	93.6	87.5	85.6	83.7	81.9	80.0	77.6	75.3	72.5	70.2
80°	67.8	63.1	58.5	57.5	56.6	55.2	54.3	51.9	50.1	47.7	45.4
82.5°	41.2	38.4	35.5	35.1	34.6	33.7	33.2	31.3	29.5	27.1	25.3
85°	21.5	20.6	19.2	19.2	18.7	18.7	18.2	16.8	15.4	13.6	12.2
87.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	10.3	8.9	7.0	5.6
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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: P1445218

CATALOG NUMBER: TPTN-VA1-750-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	191.8	191.8
2.5°	192.3	192.3
5°	192.7	192.7
7.5°	190.4	190.4
10°	189.0	189.0
12.5°	189.9	189.4
15°	193.7	193.2
17.5°	197.9	196.9
20°	202.5	201.6
22.5°	206.8	205.8
25°	211.9	210.5
27.5°	216.6	215.2
30°	220.8	219.4
32.5°	225.0	223.1
35°	229.2	227.3
37.5°	233.4	231.1
40°	237.6	235.3
42.5°	241.4	239.0
45°	245.6	243.2
47.5°	249.3	247.0
50°	250.3	247.4
52.5°	250.3	247.4
55°	246.5	243.7
57.5°	238.1	234.8
60°	225.9	222.7
62.5°	211.4	208.2
65°	191.3	187.6
67.5°	169.3	165.6
70°	146.4	143.1
72.5°	118.8	115.5
75°	93.1	90.3
77.5°	67.4	64.1
80°	43.0	40.7
82.5°	22.9	20.6
85°	9.4	6.5
87.5°	3.3	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: P1445218

CATALOG NUMBER: TPTN-VA1-750-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: SP1-2411-284-3

Test Date: 11/21/2024

Luminaire Tested: TTN-D0-750-U-WQ

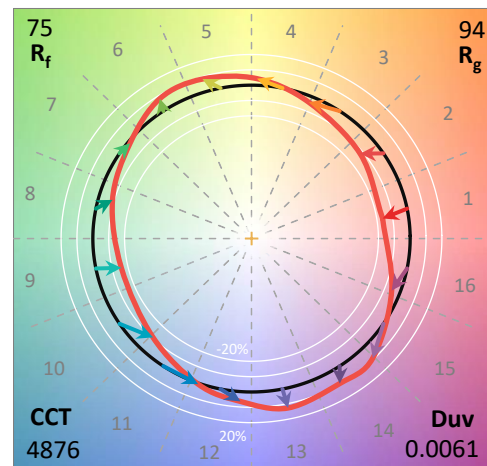
Data in this report applies to families of products including TTN-D0-750-U-WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2411-284-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 11/21/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **TTN-D0-750-U-WQ**
 Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE. 5000K, 70 CRI LEDS AND WIDE DISTRIBUTION

Spectral Parameters

CCT (K):	4876	CRI (Ra):	72.6		
CIE u':	0.2086	R1:	69.5	R9:	-24.6
CIE v':	0.4932	R2:	77.0	R10:	44.8
Duv:	0.0061	R3:	82.2	R11:	68.2
CIE x:	0.3502	R4:	72.6	R12:	36.1
CIE y:	0.3680	R5:	69.3	R13:	70.5
CIE z:	0.2818	R6:	67.6	R14:	89.9
Peak Wavelength (nm):	451	R7:	83.7	R15:	63.1
Dominant Wavelength (nm):	569	R8:	58.6		
Purity:	15.51324				
Rf:	74.6				
Rg:	94.4				



Test Conditions

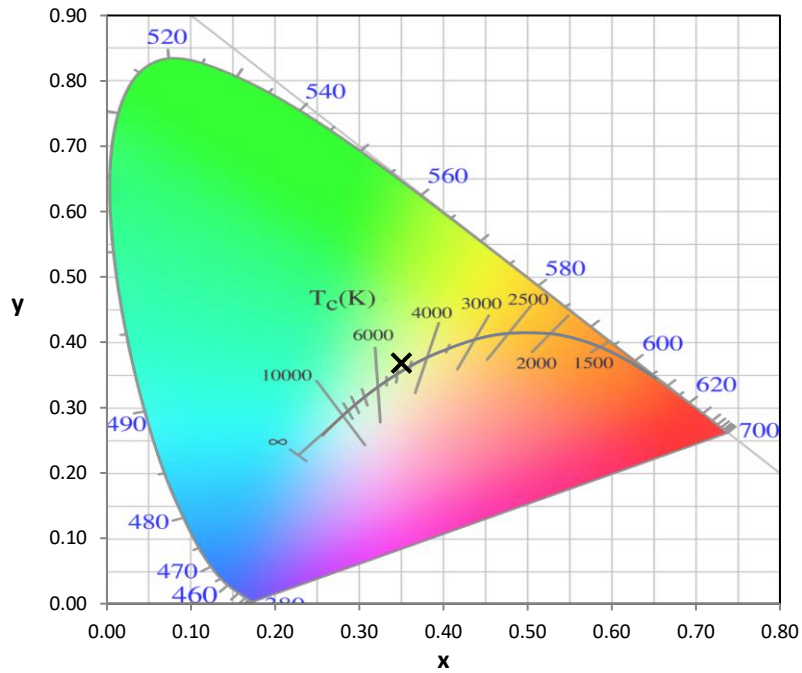
Stabilization Time: 51M
 Operation Time: 1H 51M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2411-284-3

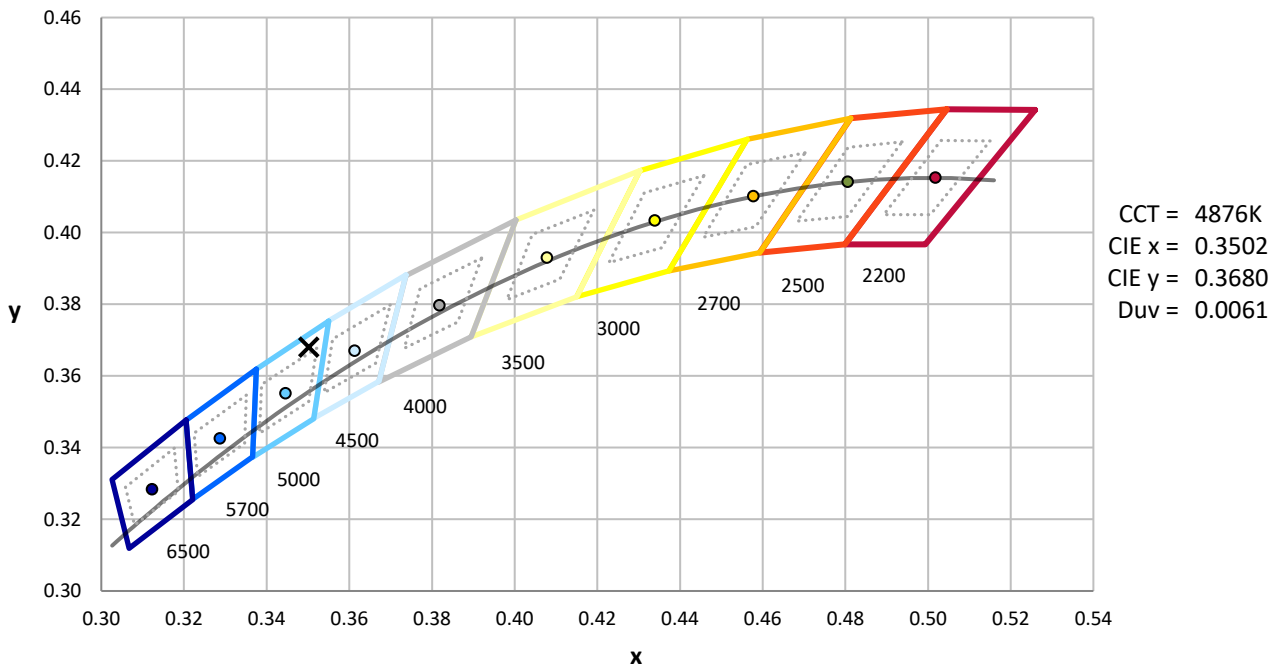
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2411-284-3

CIE 1931 Chromaticity Diagram



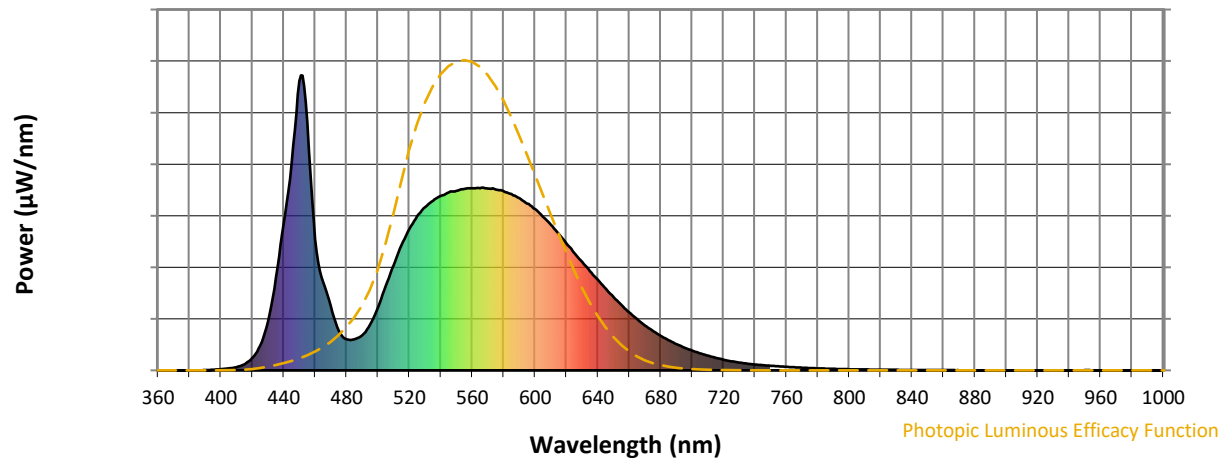
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2411-284-3

Photopic Flux vs. Wavelength

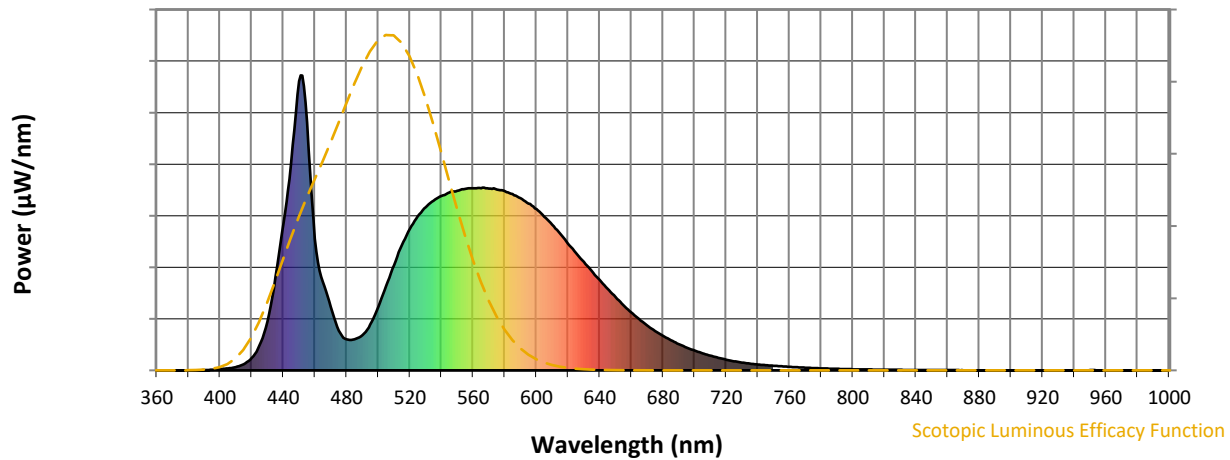


Photopic Lumens: NR

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	430	NR	750	16	NR	880	0	NR
365	0	NR	495	156	NR	625	398	NR	755	14	NR	885	0	NR
370	0	NR	500	214	NR	630	368	NR	760	12	NR	890	0	NR
375	0	NR	505	286	NR	635	336	NR	765	11	NR	895	0	NR
380	0	NR	510	357	NR	640	306	NR	770	9	NR	900	0	NR
385	0	NR	515	425	NR	645	276	NR	775	8	NR	905	0	NR
390	1	NR	520	480	NR	650	248	NR	780	7	NR	910	0	NR
395	2	NR	525	523	NR	655	221	NR	785	6	NR	915	0	NR
400	4	NR	530	554	NR	660	196	NR	790	5	NR	920	0	NR
405	7	NR	535	575	NR	665	173	NR	795	4	NR	925	0	NR
410	11	NR	540	592	NR	670	152	NR	800	4	NR	930	0	NR
415	21	NR	545	603	NR	675	133	NR	805	3	NR	935	0	NR
420	42	NR	550	609	NR	680	117	NR	810	3	NR	940	0	NR
425	85	NR	555	615	NR	685	102	NR	815	3	NR	945	0	NR
430	165	NR	560	617	NR	690	89	NR	820	2	NR	950	1	NR
435	316	NR	565	617	NR	695	77	NR	825	2	NR	955	0	NR
440	497	NR	570	616	NR	700	67	NR	830	2	NR	960	0	NR
445	702	NR	575	613	NR	705	58	NR	835	2	NR	965	0	NR
450	981	NR	580	607	NR	710	50	NR	840	1	NR	970	0	NR
455	840	NR	585	598	NR	715	43	NR	845	1	NR	975	0	NR
460	446	NR	590	583	NR	720	36	NR	850	1	NR	980	0	NR
465	300	NR	595	566	NR	725	31	NR	855	1	NR	985	0	NR
470	215	NR	600	546	NR	730	26	NR	860	1	NR	990	0	NR
475	135	NR	605	521	NR	735	23	NR	865	1	NR	995	0	NR
480	105	NR	610	494	NR	740	20	NR	870	1	NR	1000	0	NR
485	106	NR	615	463	NR	745	18	NR	875	0	NR			

REPORT NUMBER: SP1-2411-284-3

Scotopic Flux vs. Wavelength



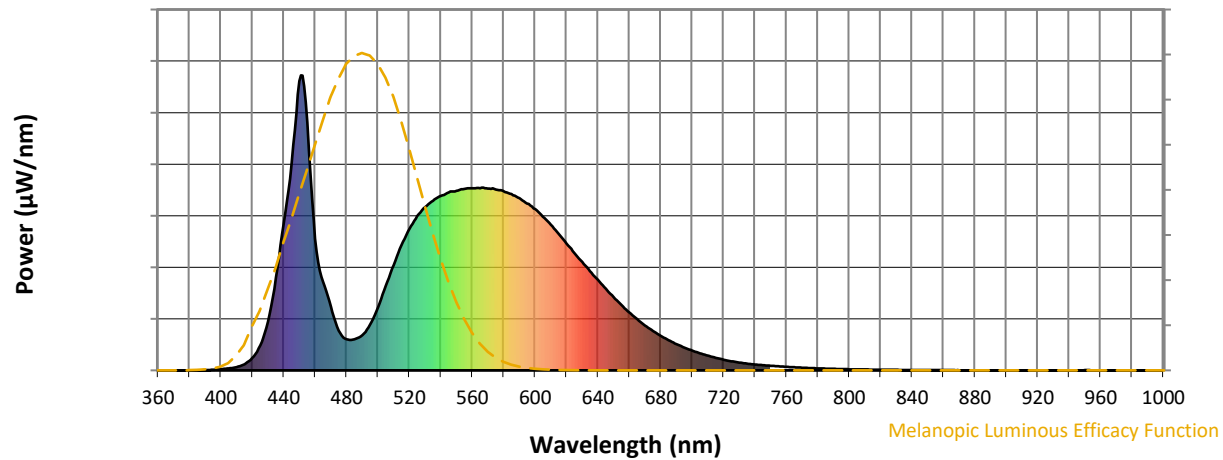
Scotopic Lumens: NR

S/P: 1.74

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	430	NR	750	16	NR	880	0	NR
365	0	NR	495	156	NR	625	398	NR	755	14	NR	885	0	NR
370	0	NR	500	214	NR	630	368	NR	760	12	NR	890	0	NR
375	0	NR	505	286	NR	635	336	NR	765	11	NR	895	0	NR
380	0	NR	510	357	NR	640	306	NR	770	9	NR	900	0	NR
385	0	NR	515	425	NR	645	276	NR	775	8	NR	905	0	NR
390	1	NR	520	480	NR	650	248	NR	780	7	NR	910	0	NR
395	2	NR	525	523	NR	655	221	NR	785	6	NR	915	0	NR
400	4	NR	530	554	NR	660	196	NR	790	5	NR	920	0	NR
405	7	NR	535	575	NR	665	173	NR	795	4	NR	925	0	NR
410	11	NR	540	592	NR	670	152	NR	800	4	NR	930	0	NR
415	21	NR	545	603	NR	675	133	NR	805	3	NR	935	0	NR
420	42	NR	550	609	NR	680	117	NR	810	3	NR	940	0	NR
425	85	NR	555	615	NR	685	102	NR	815	3	NR	945	0	NR
430	165	NR	560	617	NR	690	89	NR	820	2	NR	950	1	NR
435	316	NR	565	617	NR	695	77	NR	825	2	NR	955	0	NR
440	497	NR	570	616	NR	700	67	NR	830	2	NR	960	0	NR
445	702	NR	575	613	NR	705	58	NR	835	2	NR	965	0	NR
450	981	NR	580	607	NR	710	50	NR	840	1	NR	970	0	NR
455	840	NR	585	598	NR	715	43	NR	845	1	NR	975	0	NR
460	446	NR	590	583	NR	720	36	NR	850	1	NR	980	0	NR
465	300	NR	595	566	NR	725	31	NR	855	1	NR	985	0	NR
470	215	NR	600	546	NR	730	26	NR	860	1	NR	990	0	NR
475	135	NR	605	521	NR	735	23	NR	865	1	NR	995	0	NR
480	105	NR	610	494	NR	740	20	NR	870	1	NR	1000	0	NR
485	106	NR	615	463	NR	745	18	NR	875	0	NR			

REPORT NUMBER: SP1-2411-284-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.51

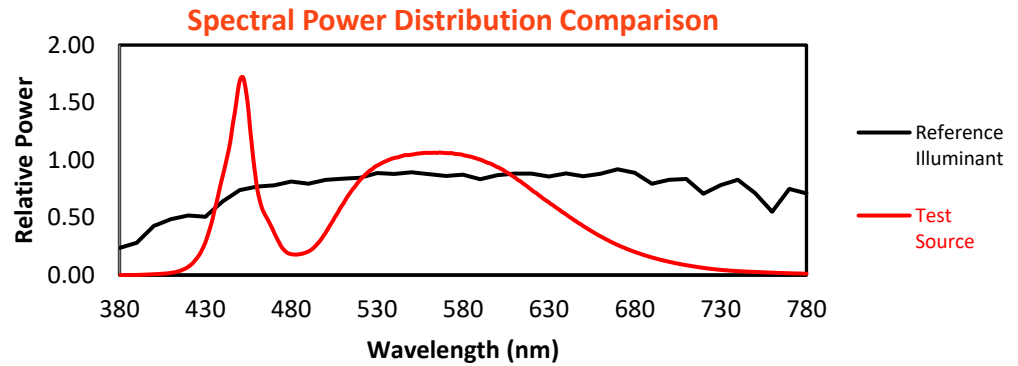
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	430	NR	750	16	NR	880	0	NR
365	0	NR	495	156	NR	625	398	NR	755	14	NR	885	0	NR
370	0	NR	500	214	NR	630	368	NR	760	12	NR	890	0	NR
375	0	NR	505	286	NR	635	336	NR	765	11	NR	895	0	NR
380	0	NR	510	357	NR	640	306	NR	770	9	NR	900	0	NR
385	0	NR	515	425	NR	645	276	NR	775	8	NR	905	0	NR
390	1	NR	520	480	NR	650	248	NR	780	7	NR	910	0	NR
395	2	NR	525	523	NR	655	221	NR	785	6	NR	915	0	NR
400	4	NR	530	554	NR	660	196	NR	790	5	NR	920	0	NR
405	7	NR	535	575	NR	665	173	NR	795	4	NR	925	0	NR
410	11	NR	540	592	NR	670	152	NR	800	4	NR	930	0	NR
415	21	NR	545	603	NR	675	133	NR	805	3	NR	935	0	NR
420	42	NR	550	609	NR	680	117	NR	810	3	NR	940	0	NR
425	85	NR	555	615	NR	685	102	NR	815	3	NR	945	0	NR
430	165	NR	560	617	NR	690	89	NR	820	2	NR	950	1	NR
435	316	NR	565	617	NR	695	77	NR	825	2	NR	955	0	NR
440	497	NR	570	616	NR	700	67	NR	830	2	NR	960	0	NR
445	702	NR	575	613	NR	705	58	NR	835	2	NR	965	0	NR
450	981	NR	580	607	NR	710	50	NR	840	1	NR	970	0	NR
455	840	NR	585	598	NR	715	43	NR	845	1	NR	975	0	NR
460	446	NR	590	583	NR	720	36	NR	850	1	NR	980	0	NR
465	300	NR	595	566	NR	725	31	NR	855	1	NR	985	0	NR
470	215	NR	600	546	NR	730	26	NR	860	1	NR	990	0	NR
475	135	NR	605	521	NR	735	23	NR	865	1	NR	995	0	NR
480	105	NR	610	494	NR	740	20	NR	870	1	NR	1000	0	NR
485	106	NR	615	463	NR	745	18	NR	875	0	NR			

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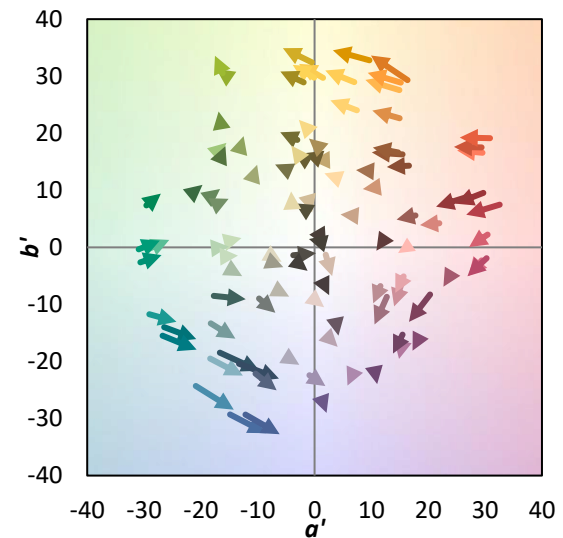
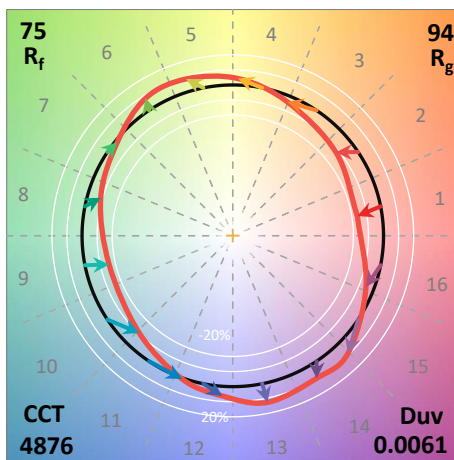
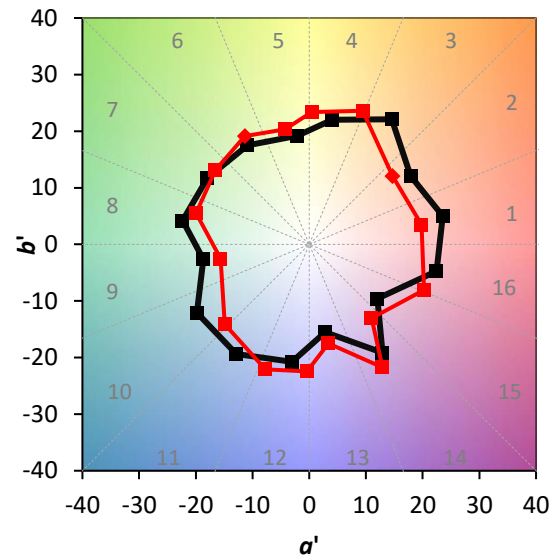
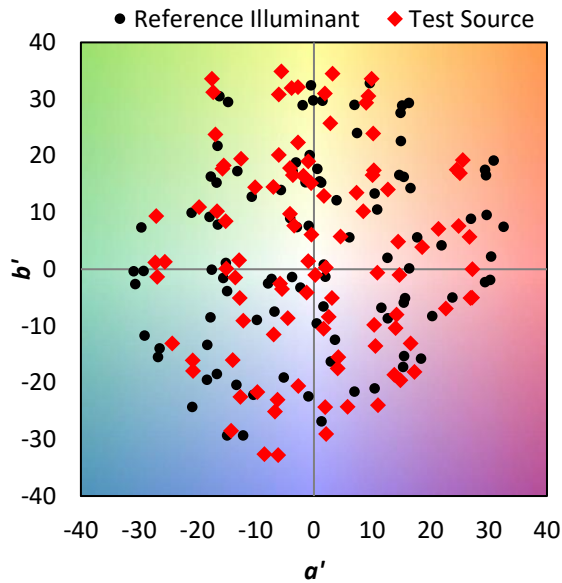
TM-30-18

Summary

$R_f = 74.6$
 $R_g = 94.4$
 $\text{CIE } R_a = 72.6$
 $R_g = -24.6$

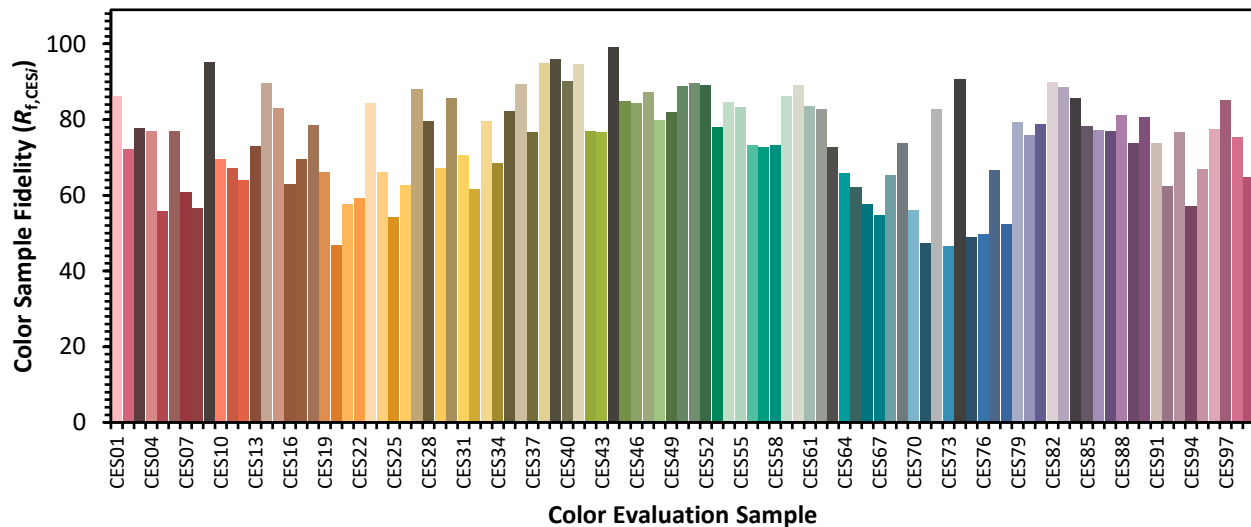


Color Vector Graphics

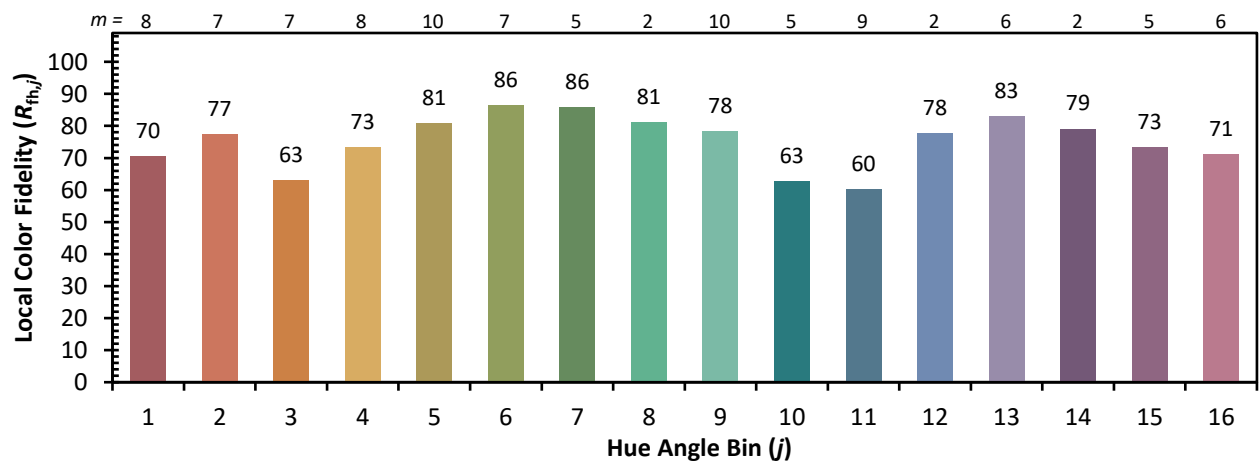
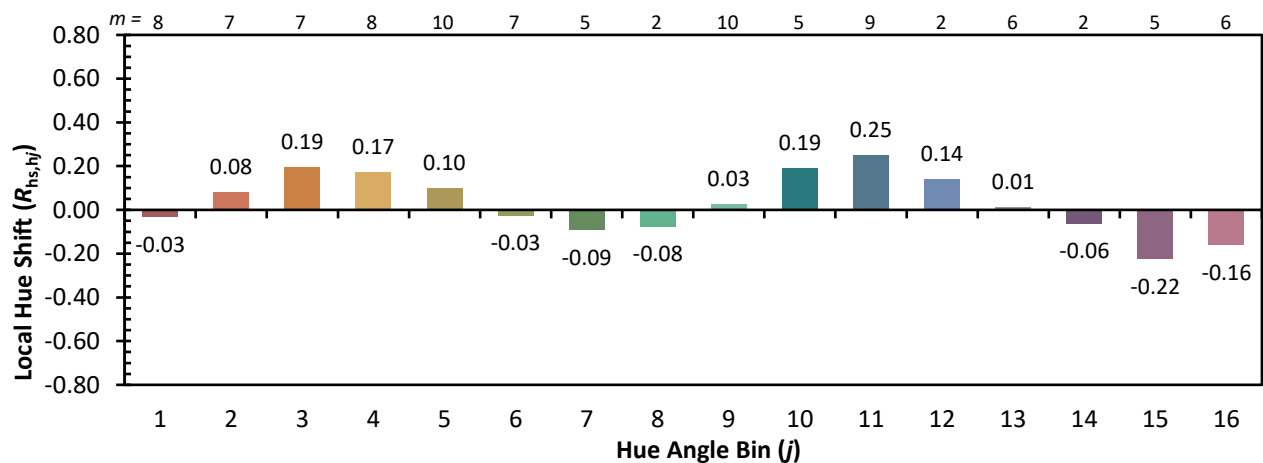
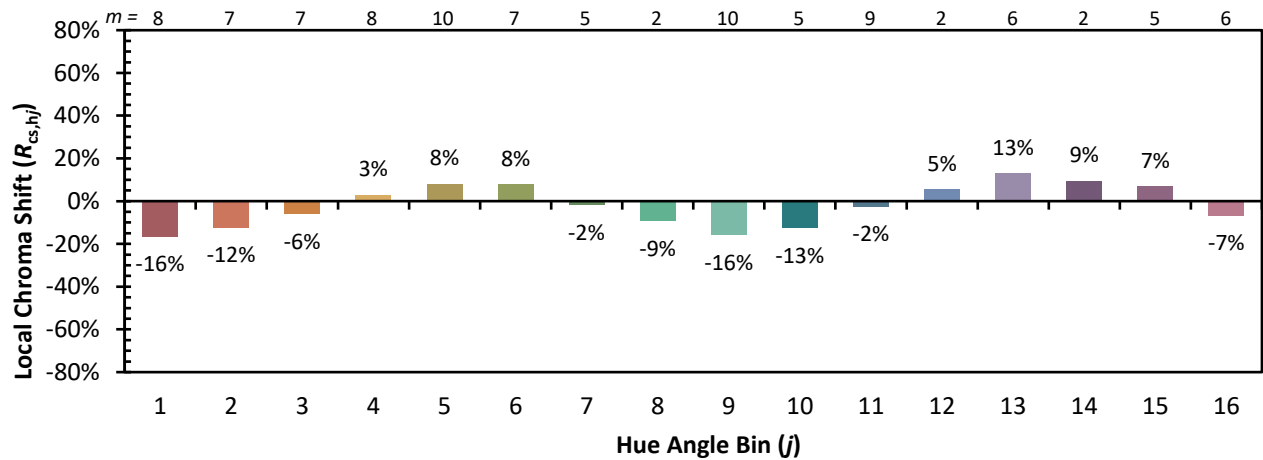


Individual Sample Fidelity Index ($R_{f,i}$)

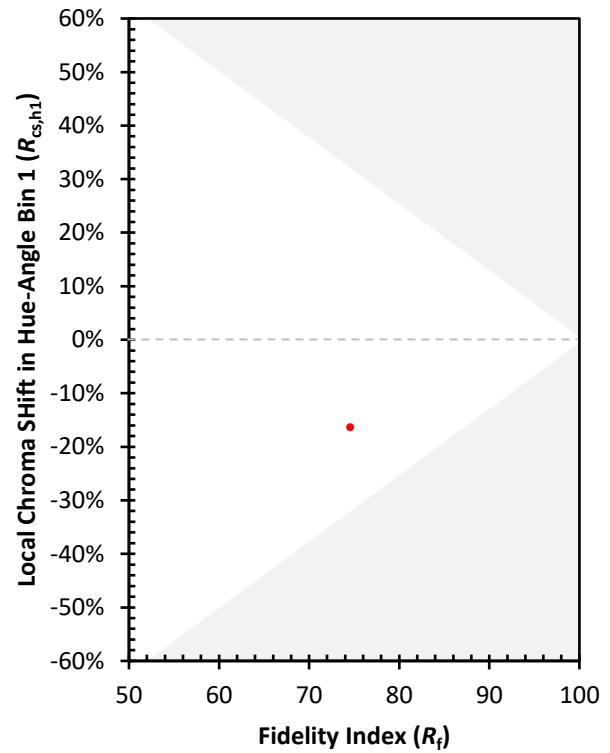
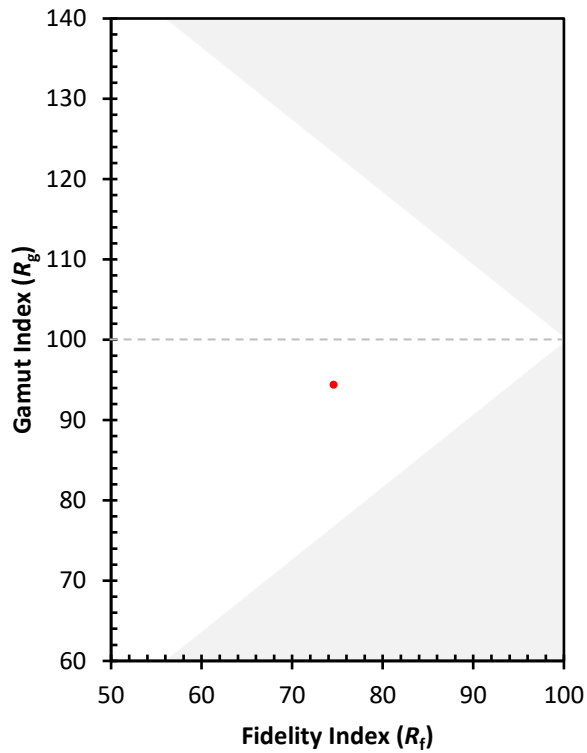
CES01 = 85	CES26 = 63	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 78	CES78 = 52
CES04 = 69	CES29 = 67	CES54 = 85	CES79 = 79
CES05 = 46	CES30 = 86	CES55 = 83	CES80 = 76
CES06 = 50	CES31 = 70	CES56 = 73	CES81 = 79
CES07 = 39	CES32 = 62	CES57 = 73	CES82 = 90
CES08 = 38	CES33 = 80	CES58 = 73	CES83 = 89
CES09 = 29	CES34 = 69	CES59 = 86	CES84 = 86
CES10 = 72	CES35 = 82	CES60 = 89	CES85 = 78
CES11 = 55	CES36 = 89	CES61 = 83	CES86 = 77
CES12 = 61	CES37 = 77	CES62 = 83	CES87 = 77
CES13 = 41	CES38 = 95	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 66	CES89 = 74
CES15 = 70	CES40 = 90	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 95	CES66 = 58	CES91 = 74
CES17 = 49	CES42 = 77	CES67 = 55	CES92 = 62
CES18 = 55	CES43 = 77	CES68 = 65	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 74	CES94 = 57
CES20 = 64	CES45 = 85	CES70 = 56	CES95 = 67
CES21 = 85	CES46 = 84	CES71 = 47	CES96 = 77
CES22 = 77	CES47 = 87	CES72 = 83	CES97 = 85
CES23 = 91	CES48 = 80	CES73 = 46	CES98 = 75
CES24 = 90	CES49 = 82	CES74 = 91	CES99 = 65
CES25 = 71	CES50 = 89	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)