

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: P1445202

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

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445202
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-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 27W 70CRI 5000K w/
RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source: 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2357.4 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

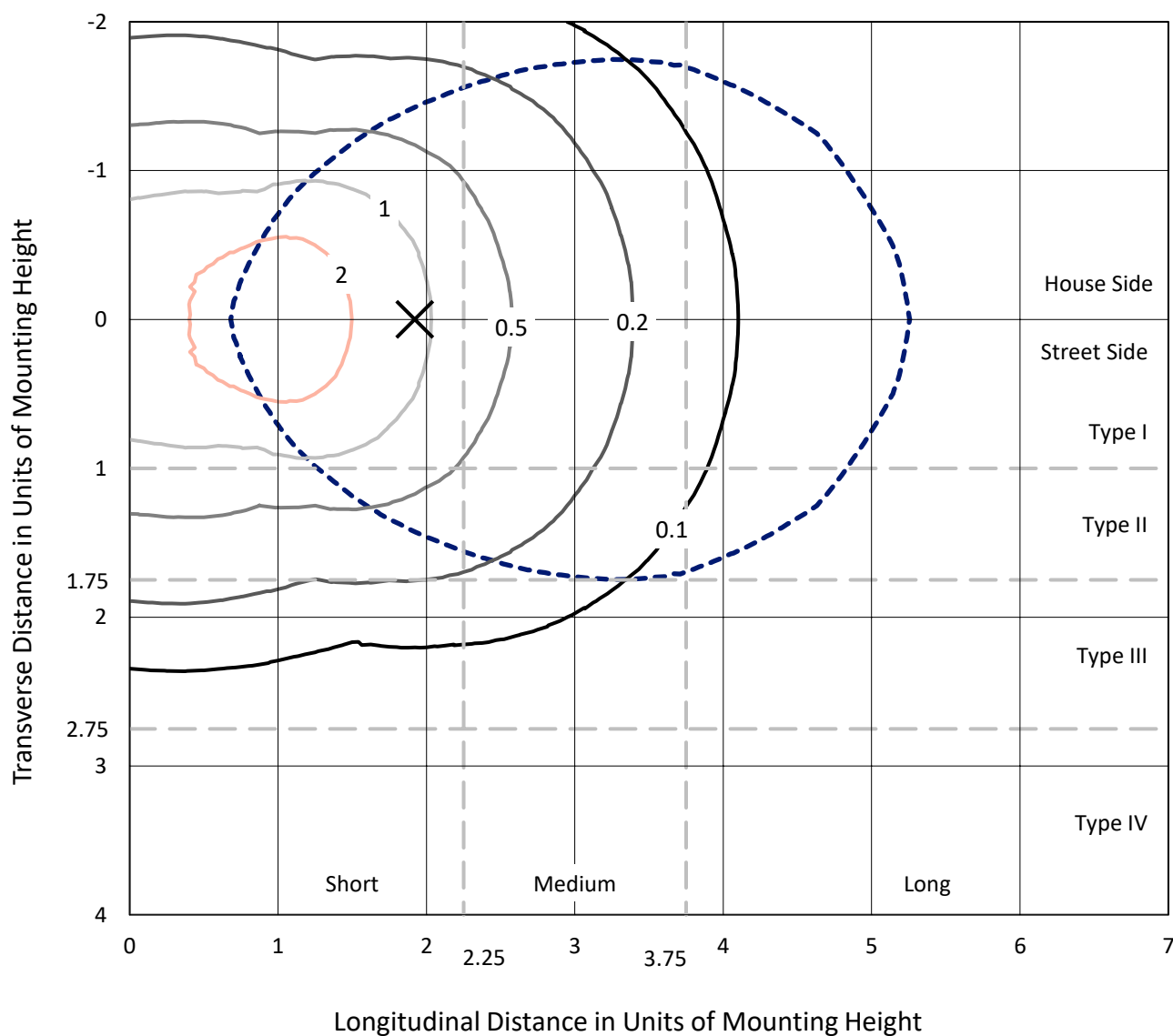
Input Watts (W): 26.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 11.9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

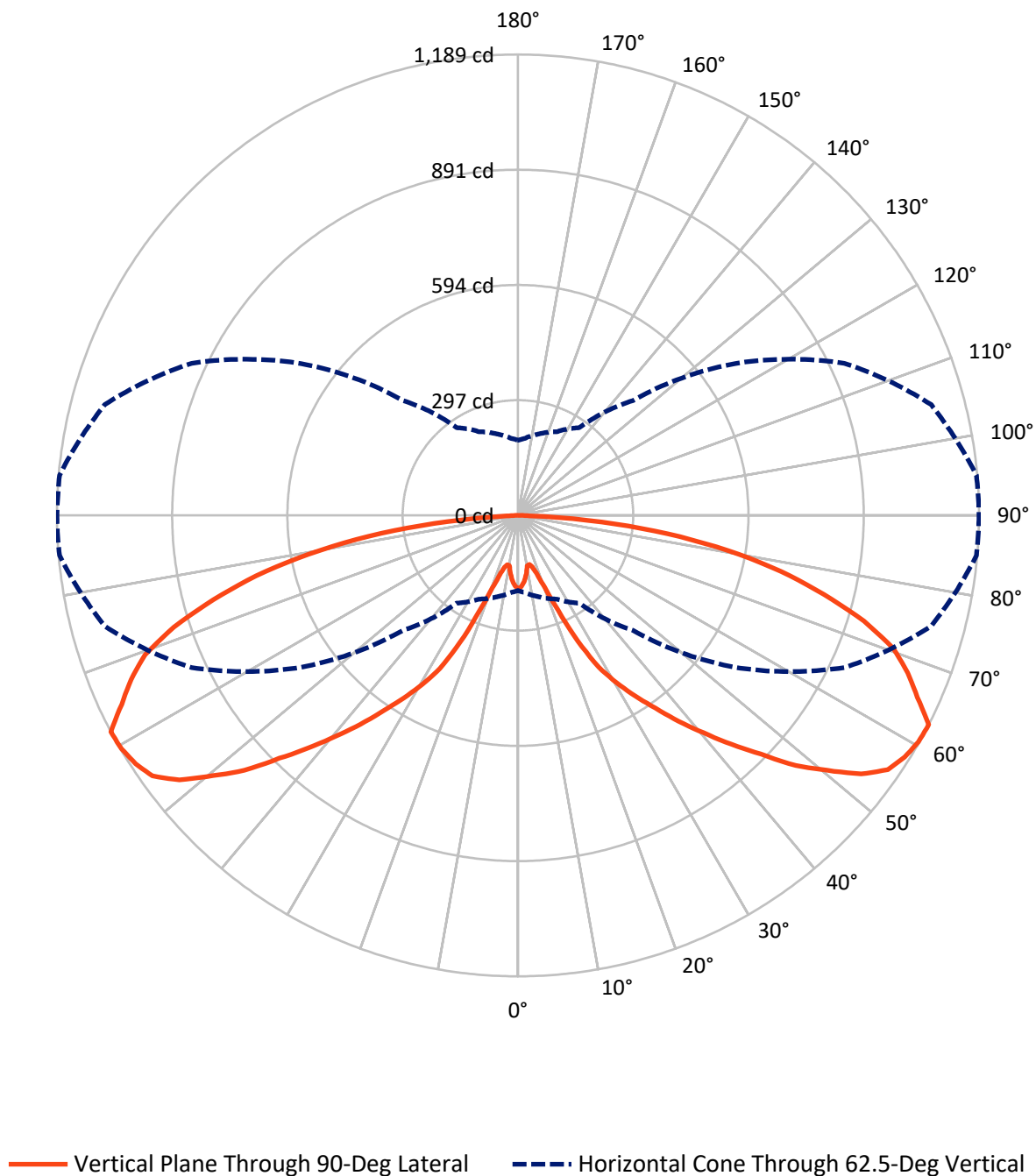


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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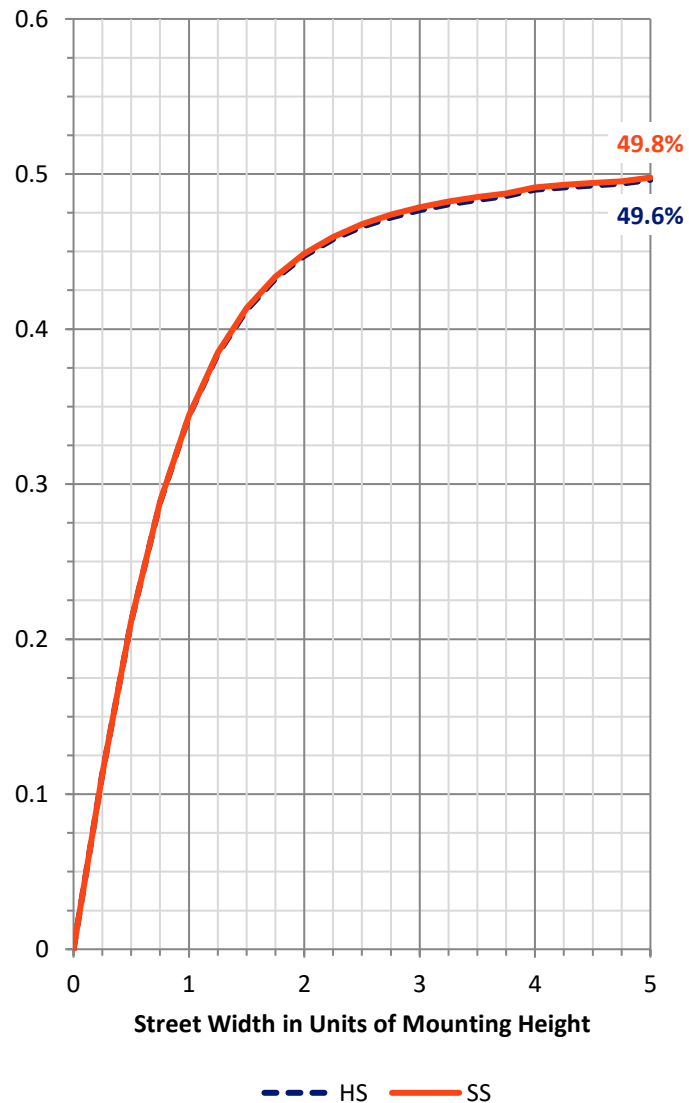
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.7	0.0	1178.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1178.7	0.0	1178.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2357.4	0.0	2357.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.7
10°-20°	49.6	2.1
20°-30°	116.8	5.0
30°-40°	224.2	9.5
40°-50°	367.5	15.6
50°-60°	517.9	22.0
60°-70°	549.1	23.3
70°-80°	403.8	17.1
80°-90°	111.8	4.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2357.4	100.0
0°-180°	2357.4	100.0

Coefficient of Utilization



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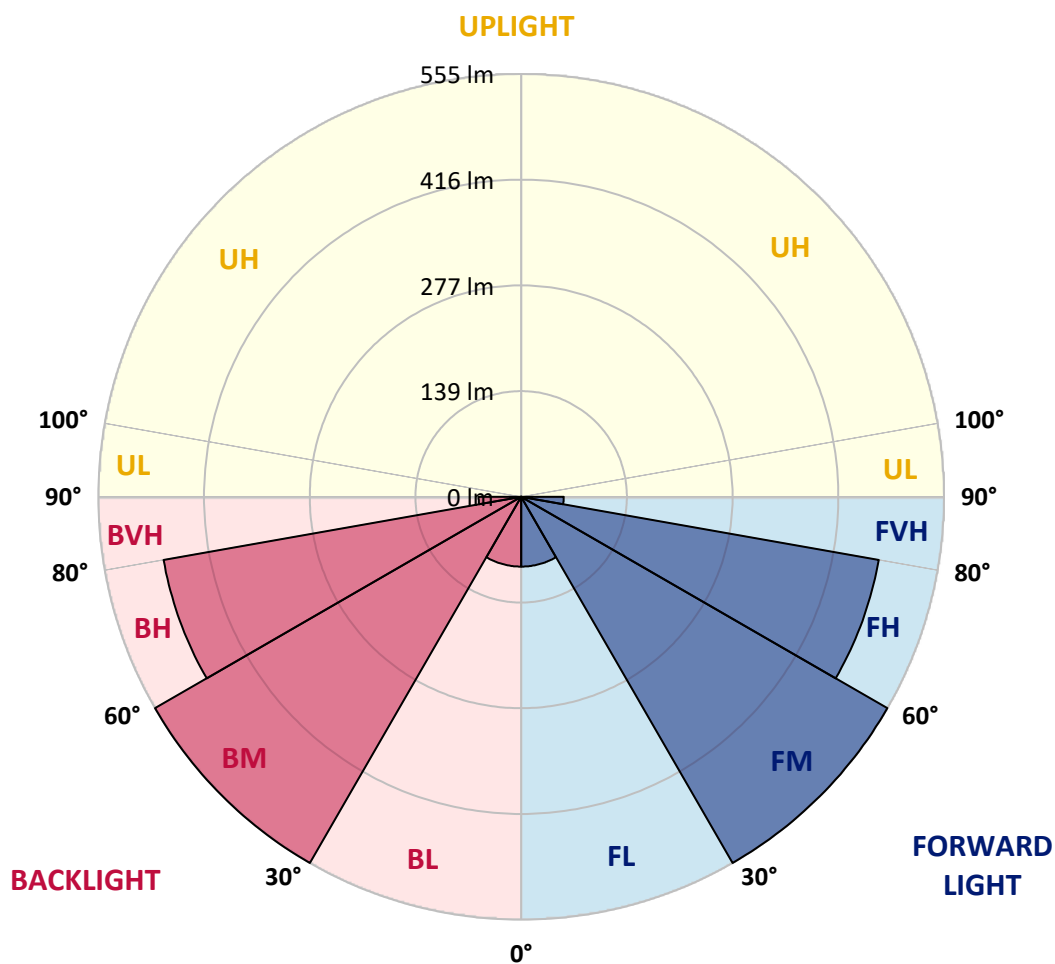
CATALOG NUMBER: TPTN-VA1-750-U-RW-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.6	3.9			
FM	(30°-60°)	554.8	23.5			
FH	(60°-80°)	476.4	20.2			G0/660
FVH	(80°-90°)	55.9	2.4			G1/100
BL	(0°-30°)	91.6	3.9	B0/110		
BM	(30°-60°)	554.8	23.5	B1/1000		
BH	(60°-80°)	476.4	20.2	B1/500		G1/500
BVH	(80°-90°)	55.9	2.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	192.0	192.0	192.0	192.0	192.0	191.5	191.5	191.5	191.1	191.1	190.7
5°	193.7	193.7	193.7	193.7	193.3	193.3	192.8	192.4	192.0	191.1	190.7
7.5°	190.3	190.3	190.3	189.8	189.8	189.4	189.0	188.1	187.7	186.8	185.9
10°	185.5	185.1	184.6	184.2	184.2	183.8	183.3	182.5	181.6	180.7	179.9
12.5°	185.1	185.1	184.6	184.6	184.2	184.2	183.8	182.9	182.5	181.6	180.7
15°	189.8	189.8	189.8	189.8	189.8	189.4	189.4	189.0	188.1	187.7	186.8
17.5°	192.8	192.8	192.8	193.3	193.7	193.7	194.1	194.1	194.1	194.1	194.1
20°	192.8	192.8	192.8	193.7	194.6	195.0	195.9	196.7	197.6	198.5	199.3
22.5°	193.7	194.1	194.1	195.4	196.3	197.6	198.5	199.8	201.5	202.8	204.1
25°	198.9	198.9	198.9	200.2	201.5	202.4	203.7	205.4	207.1	208.4	210.1
27.5°	203.7	204.1	204.5	205.8	207.5	208.8	210.1	212.3	214.9	217.1	219.2
30°	204.1	204.5	205.0	207.1	209.3	211.4	213.6	217.1	220.9	224.4	227.9
32.5°	204.5	205.4	205.8	208.4	211.0	213.2	215.8	220.1	224.8	229.2	233.5
35°	207.5	208.8	209.7	212.3	215.3	217.9	220.5	225.3	230.0	234.8	239.5
37.5°	210.6	211.9	213.2	216.2	219.7	222.7	225.7	230.9	236.5	241.7	246.9
40°	212.7	214.5	215.8	219.7	223.1	227.0	230.5	236.5	242.6	248.6	254.7
42.5°	215.3	217.1	218.8	222.7	226.6	230.0	233.9	240.4	246.9	253.4	259.9
45°	219.2	220.9	222.7	226.6	230.9	234.8	238.7	245.6	252.5	259.0	265.9
47.5°	222.2	224.0	225.3	229.6	234.4	238.7	243.0	249.9	257.3	264.2	271.1
50°	222.7	224.8	226.6	231.3	235.7	240.4	244.7	252.1	259.9	267.2	274.6
52.5°	221.8	224.0	226.1	231.3	236.1	241.3	246.0	253.8	261.6	269.4	277.2
55°	218.4	220.5	222.2	227.4	232.6	237.8	243.0	251.2	259.0	267.2	275.0
57.5°	213.6	215.8	217.9	222.7	227.0	231.8	236.1	243.4	251.2	258.6	265.9
60°	207.1	209.3	211.4	215.8	220.1	224.0	228.3	234.4	240.4	246.0	252.1
62.5°	193.7	196.7	199.3	204.1	208.8	213.2	217.9	223.1	228.3	233.1	238.2
65°	177.3	180.3	183.3	187.7	192.0	196.3	200.6	206.2	212.3	217.9	223.5
67.5°	161.7	164.3	166.9	170.4	174.3	177.7	181.2	186.8	192.8	198.5	204.1
70°	144.8	147.9	150.5	153.5	156.5	159.1	162.1	166.9	171.7	176.0	180.7
72.5°	124.5	127.6	130.1	133.2	135.8	138.8	141.4	145.3	148.7	152.6	156.1
75°	102.5	105.5	108.1	110.7	113.7	116.3	118.9	121.5	124.5	127.1	129.7
77.5°	78.7	81.3	83.9	86.5	89.5	92.1	94.7	96.9	99.0	100.7	102.9
80°	56.6	58.8	61.0	63.1	65.3	67.0	69.2	70.9	72.2	73.9	75.2
82.5°	32.9	35.5	38.1	40.2	42.4	44.1	46.3	47.1	48.4	49.3	50.2
85°	14.7	17.3	19.5	21.2	22.9	24.2	25.9	26.8	27.7	28.1	29.0
87.5°	3.0	5.2	6.9	8.6	10.4	11.7	13.4	13.4	13.8	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

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

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

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	190.7	190.3	190.3	189.8	189.4	189.0	188.5	188.1	187.7	187.7	187.2
5°	189.8	189.4	188.5	187.7	186.8	185.5	184.6	183.3	182.0	181.2	179.9
7.5°	185.1	183.8	182.9	181.6	180.3	179.0	177.7	176.4	174.7	173.4	171.7
10°	179.0	177.7	176.8	175.5	173.8	172.5	170.8	169.1	166.9	164.7	162.6
12.5°	179.4	178.1	176.4	175.1	173.4	172.1	170.4	168.6	166.5	164.3	162.1
15°	185.5	184.2	182.9	181.6	179.9	177.7	176.0	173.8	171.7	169.5	166.9
17.5°	193.3	192.8	192.0	191.1	189.0	187.2	185.1	182.9	180.7	178.6	176.0
20°	199.8	200.6	201.1	201.5	200.2	198.9	197.6	196.3	194.6	192.8	191.1
22.5°	205.8	207.5	209.3	211.0	211.0	211.4	211.4	211.4	211.4	211.9	211.9
25°	212.7	214.9	217.5	219.7	221.4	223.5	225.3	227.0	229.6	232.6	235.2
27.5°	222.2	224.8	227.9	230.5	233.1	236.1	238.7	241.3	247.3	253.8	259.9
30°	231.8	235.7	239.1	243.0	245.6	248.6	251.2	253.8	263.3	272.4	281.9
32.5°	238.7	243.9	249.1	254.2	258.1	261.6	265.5	268.9	281.5	294.0	306.6
35°	245.2	251.2	256.8	262.5	268.1	273.7	279.3	284.9	300.5	315.6	331.2
37.5°	252.5	258.6	264.2	269.8	277.6	285.4	293.2	300.9	319.5	338.1	356.7
40°	260.7	266.8	272.4	278.5	287.5	296.6	305.3	314.3	338.6	362.8	386.6
42.5°	266.4	273.3	279.8	286.2	297.1	307.9	318.7	329.5	359.7	389.6	419.8
45°	273.3	280.2	287.5	294.5	308.3	321.7	335.5	348.9	384.8	421.1	457.0
47.5°	278.5	286.2	293.6	300.9	318.2	335.5	352.4	369.7	412.5	455.3	497.7
50°	282.3	289.7	297.5	304.8	325.2	345.5	365.4	385.7	435.8	486.0	535.7
52.5°	284.9	293.2	300.9	308.7	332.1	355.4	378.8	402.1	457.5	513.2	568.6
55°	283.6	291.9	300.5	308.7	336.0	363.6	390.9	418.1	477.8	537.9	597.6
57.5°	275.0	283.6	292.7	301.4	331.6	361.9	392.2	422.4	486.4	550.0	614.0
60°	261.6	271.1	280.2	289.7	322.6	355.0	387.9	420.3	485.6	550.9	615.7
62.5°	247.8	257.3	266.8	276.3	311.8	347.6	383.1	418.6	484.7	550.9	616.6
65°	232.2	240.4	249.1	257.3	294.0	330.8	367.5	404.3	470.0	535.7	601.5
67.5°	212.3	220.5	228.7	236.9	274.6	312.2	349.4	387.0	448.0	508.9	569.5
70°	189.8	198.9	208.0	217.1	254.2	291.0	328.2	364.9	420.3	475.2	530.5
72.5°	165.2	174.7	183.8	192.8	228.3	264.2	299.6	335.1	385.7	435.8	486.4
75°	138.4	147.0	155.7	164.3	196.3	227.9	259.9	291.4	337.3	383.5	429.4
77.5°	110.3	117.6	125.0	132.3	159.6	186.4	213.6	240.4	278.5	316.1	354.1
80°	81.7	88.2	94.7	101.2	121.9	142.7	163.4	184.2	214.0	243.9	273.3
82.5°	54.9	59.7	64.4	69.2	83.5	97.7	111.6	125.8	147.0	168.6	189.8
85°	31.1	33.7	35.9	38.1	44.5	50.6	57.1	63.1	73.5	84.3	94.7
87.5°	13.8	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.7	14.7	15.1
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	186.8	186.4	185.9	185.5	185.1	185.1	184.6	184.6	184.2	183.8	183.8
5°	178.6	177.7	176.8	175.5	174.7	173.8	173.4	172.5	171.7	171.7	171.2
7.5°	169.9	168.2	166.5	164.7	163.0	161.3	160.0	158.3	156.5	156.1	155.2
10°	160.4	157.8	155.2	152.2	149.6	147.0	144.4	141.4	138.8	137.1	135.8
12.5°	160.0	157.4	154.8	152.2	149.6	147.0	144.4	141.4	138.8	137.1	134.9
15°	164.7	162.6	160.4	157.8	155.7	153.5	151.3	148.7	146.6	144.8	142.7
17.5°	173.8	172.5	171.2	169.5	168.2	166.9	165.6	164.3	163.0	161.7	160.8
20°	189.4	189.4	189.4	189.4	189.4	190.7	192.0	192.8	194.1	195.4	196.3
22.5°	211.9	214.5	216.6	219.2	221.4	227.0	232.2	237.8	243.0	247.8	252.9
25°	237.8	245.2	252.5	259.4	266.8	279.3	291.9	304.0	316.5	326.5	336.4
27.5°	265.9	278.5	291.0	303.1	315.6	333.8	352.4	370.6	388.7	400.8	413.4
30°	291.0	307.9	324.7	341.2	358.0	380.1	402.6	424.6	446.7	459.6	472.6
32.5°	319.1	340.3	361.9	383.1	404.3	428.1	451.8	475.6	499.4	512.8	525.8
35°	346.3	373.2	400.0	426.3	453.1	478.7	504.6	530.1	555.6	569.5	583.3
37.5°	375.3	408.2	441.0	473.9	506.8	534.4	561.7	589.3	616.6	630.0	643.0
40°	410.8	448.4	486.4	524.1	561.7	591.5	621.3	651.2	681.0	694.4	708.3
42.5°	449.7	492.5	534.9	577.7	620.0	652.5	685.3	717.8	750.2	763.6	777.0
45°	492.9	541.3	590.2	638.6	687.1	720.8	754.5	787.8	821.5	835.8	849.6
47.5°	540.5	593.2	646.0	698.3	751.1	787.4	824.1	860.5	896.8	912.8	929.2
50°	585.9	643.4	700.9	758.4	815.9	854.0	892.0	930.1	968.1	983.2	998.0
52.5°	623.9	687.9	752.4	816.3	880.3	918.0	956.0	993.6	1031.2	1049.0	1067.1
55°	657.2	721.7	786.5	850.9	915.4	956.4	998.0	1039.0	1080.1	1097.0	1114.3
57.5°	677.6	743.3	808.6	874.3	939.6	979.4	1019.1	1058.9	1098.7	1115.6	1132.9
60°	681.0	747.6	814.2	880.3	946.9	984.1	1020.9	1058.1	1094.8	1115.6	1136.3
62.5°	682.7	744.1	805.5	866.9	928.3	972.0	1015.7	1059.3	1103.0	1123.8	1145.0
65°	667.2	728.6	789.5	850.9	911.9	953.4	994.5	1036.0	1077.1	1090.0	1103.0
67.5°	630.4	693.5	756.2	819.4	882.1	912.3	942.2	972.4	1002.3	1019.1	1036.0
70°	585.5	643.4	701.8	759.7	817.6	847.5	877.7	907.6	937.4	957.7	978.5
72.5°	536.6	585.5	634.7	683.6	732.5	765.8	799.1	831.9	865.2	882.1	898.9
75°	475.2	517.6	559.5	601.9	643.8	672.4	700.5	729.0	757.1	771.4	785.6
77.5°	391.7	428.5	464.8	501.6	537.9	561.7	585.5	608.8	632.6	645.6	658.1
80°	303.1	332.5	361.9	390.9	420.3	441.0	461.8	482.1	502.9	512.8	522.8
82.5°	211.0	231.8	252.5	273.3	294.0	310.0	326.0	342.0	358.0	364.9	372.3
85°	105.1	116.7	128.4	139.7	151.3	162.6	173.8	184.6	195.9	200.6	205.4
87.5°	15.1	16.0	16.9	17.3	18.2	19.0	20.3	21.2	22.1	24.6	27.2
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	183.3	182.9	182.9	182.9	182.9	182.9	183.3	183.8	183.8	184.2	184.6
5°	171.2	170.8	170.8	170.8	170.8	170.8	171.2	171.2	171.7	171.7	172.5
7.5°	154.8	153.9	153.5	153.1	153.5	153.9	154.8	155.2	156.1	156.5	158.3
10°	134.0	132.3	132.3	131.9	132.3	132.3	134.0	135.8	137.1	138.8	141.4
12.5°	133.2	131.0	130.6	129.7	130.6	131.0	133.2	134.9	137.1	138.8	141.4
15°	141.0	138.8	138.4	137.5	138.4	138.8	141.0	142.7	144.8	146.6	148.7
17.5°	159.6	158.3	158.7	159.1	158.7	158.3	159.6	160.8	161.7	163.0	164.3
20°	197.6	198.5	198.5	198.0	198.5	198.5	197.6	196.3	195.4	194.1	192.8
22.5°	257.7	262.5	264.6	266.4	264.6	262.5	257.7	252.9	247.8	243.0	237.8
25°	345.9	355.9	357.6	359.3	357.6	355.9	345.9	336.4	326.5	316.5	304.0
27.5°	425.5	437.6	440.6	443.2	440.6	437.6	425.5	412.9	400.8	388.7	370.6
30°	485.1	498.1	499.8	501.1	499.8	498.1	485.1	472.2	459.6	446.7	424.6
32.5°	539.2	552.2	553.5	554.8	553.5	552.2	538.8	525.8	512.8	499.4	475.6
35°	596.7	610.5	610.5	610.1	610.5	610.5	596.7	582.9	569.5	555.6	530.1
37.5°	656.4	669.3	671.9	674.1	671.9	669.3	655.9	643.0	630.0	616.6	589.3
40°	721.7	735.1	736.4	737.2	736.4	735.1	721.7	707.8	694.4	681.0	651.2
42.5°	790.0	803.4	805.1	806.8	805.1	803.4	790.0	776.6	763.6	750.2	717.8
45°	863.9	877.7	878.2	878.2	878.2	877.7	863.5	849.6	835.8	821.5	787.8
47.5°	945.2	961.2	962.5	963.8	962.5	961.2	945.2	928.8	912.8	896.8	860.5
50°	1013.1	1027.8	1030.8	1033.4	1030.8	1027.8	1012.7	998.0	983.2	968.1	930.1
52.5°	1084.9	1102.6	1105.2	1107.8	1105.2	1102.6	1084.9	1066.7	1049.0	1031.2	993.6
55°	1131.1	1148.0	1152.7	1157.1	1152.7	1148.0	1131.1	1113.8	1097.0	1080.1	1039.0
57.5°	1149.7	1166.6	1171.3	1175.7	1171.3	1166.6	1149.7	1132.4	1115.6	1098.7	1058.9
60°	1156.6	1177.4	1181.7	1186.0	1181.7	1177.4	1156.6	1135.9	1115.6	1094.8	1058.1
62.5°	1165.7	1186.5	1187.8	1188.6	1187.8	1186.5	1165.7	1144.5	1123.8	1103.0	1059.3
65°	1115.6	1128.5	1130.3	1131.6	1130.3	1128.5	1115.6	1102.6	1090.0	1077.1	1036.0
67.5°	1052.4	1069.3	1076.6	1083.6	1076.2	1069.3	1052.4	1035.6	1019.1	1002.3	972.4
70°	998.8	1019.1	1023.0	1026.5	1023.0	1019.1	998.8	978.1	957.7	937.4	907.6
72.5°	915.8	932.7	932.7	932.7	932.7	932.7	915.8	898.9	882.1	865.2	831.9
75°	799.9	814.2	814.6	815.1	814.6	814.2	799.9	785.6	771.4	757.1	729.0
77.5°	671.1	683.6	688.8	693.5	688.8	683.6	670.6	658.1	645.6	632.6	608.8
80°	532.7	542.6	546.1	549.6	546.1	542.6	532.7	522.8	512.8	502.9	482.1
82.5°	379.2	386.1	387.9	389.6	387.9	386.1	379.2	372.3	364.9	358.0	342.0
85°	209.7	214.5	216.2	217.5	216.2	214.5	209.7	205.4	200.6	195.9	184.6
87.5°	29.4	32.0	30.7	29.4	30.7	32.0	29.4	27.2	24.6	22.1	21.2
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	184.6	185.1	185.1	185.5	185.9	186.4	186.8	187.2	187.7	187.7	188.1
5°	173.4	173.8	174.7	175.5	176.8	177.7	178.6	179.9	181.2	182.0	183.3
7.5°	160.0	161.3	163.0	164.7	166.5	168.2	169.9	171.7	173.4	174.7	176.4
10°	144.4	147.0	149.6	152.2	155.2	157.8	160.4	162.6	164.7	166.9	169.1
12.5°	144.4	147.0	149.6	152.2	154.8	157.4	160.0	162.1	164.3	166.5	168.6
15°	151.3	153.5	155.7	157.8	160.4	162.6	164.7	166.9	169.5	171.7	173.8
17.5°	165.6	166.9	168.2	169.5	171.2	172.5	173.8	176.0	178.6	180.7	182.9
20°	192.0	190.7	189.4	189.4	189.4	189.4	189.4	191.1	192.8	194.6	196.3
22.5°	232.2	227.0	221.4	219.2	216.6	214.5	211.9	211.9	211.9	211.4	211.4
25°	291.9	279.3	266.8	259.4	252.1	245.2	237.8	235.2	232.6	229.6	227.0
27.5°	352.4	333.8	315.6	303.1	290.6	278.5	265.9	259.9	253.8	247.3	241.3
30°	402.6	380.1	358.0	341.2	324.3	307.9	291.0	281.5	272.4	263.3	253.8
32.5°	451.8	428.1	404.3	383.1	361.5	340.3	319.1	306.6	294.0	281.5	268.9
35°	504.6	478.7	453.1	426.3	399.5	373.2	346.3	330.8	315.6	300.5	284.9
37.5°	561.7	534.4	506.8	473.9	441.0	408.2	375.3	356.7	338.1	319.5	300.9
40°	621.3	591.5	561.7	524.1	486.0	448.4	410.8	386.6	362.8	338.6	314.3
42.5°	685.3	652.5	620.0	577.2	534.9	492.1	449.7	419.4	389.6	359.7	329.5
45°	754.5	720.8	687.1	638.6	589.8	541.3	492.9	457.0	421.1	384.8	348.9
47.5°	824.1	787.4	751.1	698.3	645.6	593.2	540.5	497.7	455.3	412.5	369.7
50°	892.0	854.0	815.9	758.4	700.9	643.4	585.9	535.7	486.0	435.8	385.7
52.5°	956.0	918.0	880.3	816.3	751.9	687.9	623.9	568.6	513.2	457.5	402.1
55°	998.0	956.4	915.4	850.9	786.1	721.7	657.2	597.6	537.9	477.8	418.1
57.5°	1019.1	979.4	939.6	873.9	808.6	742.8	677.6	613.6	550.0	486.4	422.4
60°	1020.9	984.1	946.9	880.3	813.8	747.6	681.0	615.7	550.9	485.6	420.3
62.5°	1015.7	972.0	928.3	866.9	805.5	744.1	682.7	616.6	550.9	484.7	418.6
65°	994.5	953.4	911.9	850.5	789.5	728.1	667.2	601.5	535.7	470.0	404.3
67.5°	942.2	912.3	882.1	818.9	756.2	693.1	630.4	569.5	508.9	448.0	387.0
70°	877.7	847.5	817.6	759.7	701.3	643.4	585.5	530.1	475.2	420.3	364.9
72.5°	799.1	765.8	732.5	683.6	634.3	585.5	536.6	486.0	435.8	385.7	335.1
75°	700.5	672.4	643.8	601.5	559.5	517.1	475.2	429.4	383.5	337.3	291.4
77.5°	585.5	561.7	537.9	501.1	464.8	428.1	391.7	353.7	316.1	278.5	240.4
80°	461.8	441.0	420.3	390.9	361.5	332.5	303.1	273.3	243.9	214.0	184.2
82.5°	326.0	310.0	294.0	273.3	252.5	231.8	211.0	189.8	168.6	147.0	125.8
85°	173.8	162.6	151.3	139.7	128.0	116.7	105.1	94.7	84.3	73.5	63.1
87.5°	20.3	19.0	18.2	17.3	16.9	16.0	15.1	15.1	14.7	14.7	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	188.5	189.0	189.4	189.8	190.3	190.3	190.7	190.7	191.1	191.1	191.5
5°	184.6	185.5	186.8	187.7	188.5	189.4	189.8	190.7	191.1	192.0	192.4
7.5°	177.7	179.0	180.3	181.6	182.9	183.8	185.1	185.9	186.8	187.7	188.1
10°	170.8	172.5	173.8	175.5	176.8	177.7	179.0	179.9	180.7	181.6	182.5
12.5°	170.4	172.1	173.4	175.1	176.4	178.1	179.4	180.7	181.6	182.5	182.9
15°	176.0	177.7	179.9	181.6	182.9	184.2	185.5	186.8	187.7	188.1	189.0
17.5°	185.1	187.2	189.0	191.1	192.0	192.8	193.3	194.1	194.1	194.1	194.1
20°	197.6	198.9	200.2	201.5	201.1	200.6	199.8	199.3	198.5	197.6	196.7
22.5°	211.4	211.4	211.0	211.0	209.3	207.5	205.8	204.1	202.8	201.5	199.8
25°	225.3	223.5	221.4	219.7	217.5	214.9	212.7	210.1	208.4	207.1	205.4
27.5°	238.7	236.1	233.1	230.5	227.9	224.8	222.2	219.2	217.1	214.9	212.3
30°	251.2	248.6	245.6	243.0	239.1	235.7	231.8	227.9	224.4	220.9	217.1
32.5°	265.5	261.6	258.1	254.2	249.1	243.9	238.7	233.5	229.2	224.8	220.1
35°	279.3	273.7	268.1	262.5	256.8	251.2	245.2	239.5	234.8	230.0	225.3
37.5°	293.2	285.4	277.6	269.8	264.2	258.6	252.5	246.9	241.7	236.5	230.9
40°	305.3	296.6	287.5	278.5	272.4	266.8	260.7	254.7	248.6	242.6	236.5
42.5°	318.7	307.9	297.1	286.2	279.8	273.3	266.4	259.9	253.4	246.9	240.4
45°	335.5	321.7	308.3	294.5	287.5	280.2	273.3	265.9	259.0	252.5	245.6
47.5°	352.4	335.5	318.2	300.9	293.6	286.2	278.5	271.1	264.2	257.3	249.9
50°	365.4	345.5	325.2	304.8	297.5	289.7	282.3	274.6	267.2	259.9	252.1
52.5°	378.8	355.4	332.1	308.7	300.9	293.2	284.9	277.2	269.4	261.6	253.8
55°	390.9	363.6	336.0	308.7	300.5	291.9	283.6	275.0	267.2	259.0	251.2
57.5°	392.2	361.9	331.6	301.4	292.7	283.6	275.0	265.9	258.6	251.2	243.4
60°	387.9	355.0	322.6	289.7	280.2	271.1	261.6	252.1	246.0	240.4	234.4
62.5°	383.1	347.6	311.8	276.3	266.8	257.3	247.8	238.2	233.1	228.3	223.1
65°	367.5	330.8	294.0	257.3	249.1	240.4	232.2	223.5	217.9	212.3	206.2
67.5°	349.4	312.2	274.6	236.9	228.7	220.5	212.3	204.1	198.5	192.8	186.8
70°	328.2	291.0	254.2	217.1	208.0	198.9	189.8	180.7	176.0	171.7	166.9
72.5°	299.6	264.2	228.3	192.8	183.8	174.7	165.2	156.1	152.6	148.7	145.3
75°	259.9	227.9	196.3	164.3	155.7	147.0	138.4	129.7	127.1	124.5	121.5
77.5°	213.6	186.4	159.6	132.3	125.0	117.6	110.3	102.9	100.7	99.0	96.9
80°	163.4	142.7	121.9	101.2	94.7	88.2	81.7	75.2	73.9	72.2	70.9
82.5°	111.6	97.7	83.5	69.2	64.4	59.7	54.9	50.2	49.3	48.4	47.1
85°	57.1	50.6	44.5	38.1	35.9	33.7	31.1	29.0	28.1	27.7	26.8
87.5°	14.3	14.3	14.3	14.3	14.3	14.3	13.8	13.8	13.8	13.8	13.4
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	191.5	191.5	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0
5°	192.8	193.3	193.3	193.7	193.7	193.7	193.7	193.7	193.7	193.7	193.3
7.5°	189.0	189.4	189.8	189.8	190.3	190.3	190.3	190.3	190.3	189.8	189.8
10°	183.3	183.8	184.2	184.2	184.6	185.1	185.5	185.1	184.6	184.2	184.2
12.5°	183.8	184.2	184.2	184.6	184.6	185.1	185.1	185.1	184.6	184.6	184.2
15°	189.4	189.4	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
17.5°	194.1	193.7	193.7	193.3	192.8	192.8	192.8	192.8	192.8	193.3	193.7
20°	195.9	195.0	194.6	193.7	192.8	192.8	192.8	192.8	192.8	193.7	194.6
22.5°	198.5	197.6	196.3	195.4	194.1	194.1	193.7	194.1	194.1	195.4	196.3
25°	203.7	202.4	201.5	200.2	198.9	198.9	198.9	198.9	198.9	200.2	201.5
27.5°	210.1	208.8	207.5	205.8	204.5	204.1	203.7	204.1	204.5	205.8	207.5
30°	213.6	211.4	209.3	207.1	205.0	204.5	204.1	204.5	205.0	207.1	209.3
32.5°	215.8	213.2	211.0	208.4	205.8	205.4	204.5	205.4	205.8	208.4	211.0
35°	220.5	217.9	215.3	212.3	209.7	208.8	207.5	208.8	209.7	212.3	215.3
37.5°	225.7	222.7	219.7	216.2	213.2	211.9	210.6	211.9	213.2	216.2	219.7
40°	230.5	227.0	223.1	219.2	215.8	214.0	212.7	214.5	215.8	219.7	223.1
42.5°	233.9	230.0	226.6	222.7	218.8	217.1	215.3	217.1	218.8	222.7	226.6
45°	238.7	234.8	230.9	226.6	222.7	220.9	219.2	220.9	222.7	226.6	230.9
47.5°	243.0	238.7	234.4	229.6	225.3	223.5	222.2	224.0	225.3	229.6	234.4
50°	244.7	240.4	235.7	230.9	226.6	224.4	222.7	224.8	226.6	231.3	235.7
52.5°	246.0	241.3	236.1	230.9	226.1	224.0	221.8	224.0	226.1	231.3	236.1
55°	243.0	237.8	232.6	227.4	222.2	220.1	218.4	220.5	222.2	227.4	232.6
57.5°	236.1	231.8	227.0	222.2	217.9	215.8	213.6	215.8	217.9	222.7	227.0
60°	228.3	224.0	220.1	215.8	211.4	209.3	207.1	209.3	211.4	215.8	220.1
62.5°	217.9	213.2	208.8	204.1	199.3	196.3	193.7	196.7	199.3	204.1	208.8
65°	200.6	196.3	192.0	187.7	183.3	180.3	177.3	180.3	183.3	187.7	192.0
67.5°	181.2	177.7	174.3	170.4	166.9	164.3	161.7	164.3	166.9	170.4	174.3
70°	162.1	159.1	156.5	153.5	150.5	147.4	144.8	147.9	150.5	153.5	156.5
72.5°	141.4	138.8	135.8	132.7	130.1	127.1	124.5	127.6	130.1	133.2	135.8
75°	118.9	116.3	113.7	110.7	108.1	105.1	102.5	105.5	108.1	110.7	113.7
77.5°	94.7	92.1	89.5	86.5	83.9	81.3	78.7	81.3	83.9	86.5	89.5
80°	69.2	67.0	65.3	63.1	61.0	58.8	56.6	58.8	61.0	63.1	65.3
82.5°	46.3	44.1	42.4	40.2	38.1	35.5	32.9	35.5	38.1	40.2	42.4
85°	25.9	24.2	22.9	21.2	19.5	16.9	14.7	17.3	19.5	21.2	22.9
87.5°	13.4	11.7	10.4	8.6	6.9	4.8	3.0	5.2	6.9	8.6	10.4
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	191.5	191.5	191.5	191.1	191.1	190.7	190.7	190.3	190.3	189.8	189.4
5°	193.3	192.8	192.4	192.0	191.1	190.7	189.8	189.4	188.5	187.7	186.8
7.5°	189.4	189.0	188.1	187.7	186.8	185.9	185.1	183.8	182.9	181.6	180.3
10°	183.8	183.3	182.5	181.6	180.7	179.9	179.0	177.7	176.8	175.5	173.8
12.5°	184.2	183.8	182.9	182.5	181.6	180.7	179.4	178.1	176.4	175.1	173.4
15°	189.4	189.4	189.0	188.1	187.7	186.8	185.5	184.2	182.9	181.6	179.9
17.5°	193.7	194.1	194.1	194.1	194.1	194.1	193.3	192.8	192.0	191.1	189.0
20°	195.0	195.9	196.7	197.6	198.5	199.3	199.8	200.6	201.1	201.5	200.2
22.5°	197.6	198.5	199.8	201.5	202.8	204.1	205.8	207.5	209.3	211.0	211.0
25°	202.4	203.7	205.4	207.1	208.4	210.1	212.7	214.9	217.5	219.7	221.4
27.5°	208.8	210.1	212.3	214.9	217.1	219.2	222.2	224.8	227.9	230.5	233.1
30°	211.4	213.6	217.1	220.9	224.4	227.9	231.8	235.7	239.1	243.0	245.6
32.5°	213.2	215.8	220.1	224.8	229.2	233.5	238.7	243.9	249.1	254.2	258.1
35°	217.9	220.5	225.3	230.0	234.8	239.5	245.2	251.2	256.8	262.5	268.1
37.5°	222.7	225.7	230.9	236.5	241.7	246.9	252.5	258.6	264.2	269.8	277.6
40°	227.0	230.5	236.5	242.6	248.6	254.7	260.7	266.8	272.4	278.5	287.5
42.5°	230.0	233.9	240.4	246.9	253.4	259.9	266.4	273.3	279.8	286.2	297.1
45°	234.8	238.7	245.6	252.5	259.0	265.9	273.3	280.2	287.5	294.5	308.3
47.5°	238.7	243.0	249.9	257.3	264.2	271.1	278.5	286.2	293.6	300.9	318.2
50°	240.4	244.7	252.1	259.9	267.2	274.6	282.3	289.7	297.5	304.8	325.2
52.5°	241.3	246.0	253.8	261.6	269.4	277.2	284.9	293.2	300.9	308.7	332.1
55°	237.8	243.0	251.2	259.0	267.2	275.0	283.6	291.9	300.5	308.7	336.0
57.5°	231.8	236.1	243.4	251.2	258.6	265.9	275.0	283.6	292.7	301.4	331.6
60°	224.0	228.3	234.4	240.4	246.0	252.1	261.6	271.1	280.2	289.7	322.6
62.5°	213.2	217.9	223.1	228.3	233.1	238.2	247.8	257.3	266.8	276.3	311.8
65°	196.3	200.6	206.2	212.3	217.9	223.5	232.2	240.4	249.1	257.3	294.0
67.5°	177.7	181.2	186.8	192.8	198.5	204.1	212.3	220.5	228.7	236.9	274.6
70°	159.1	162.1	166.9	171.7	176.0	180.7	189.8	198.9	208.0	217.1	254.2
72.5°	138.8	141.4	145.3	148.7	152.6	156.1	165.2	174.7	183.8	192.8	228.3
75°	116.3	118.9	121.5	124.5	127.1	129.7	138.4	147.0	155.7	164.3	196.3
77.5°	92.1	94.7	96.9	99.0	100.7	102.9	110.3	117.6	125.0	132.3	159.6
80°	67.0	69.2	70.9	72.2	73.9	75.2	81.7	88.2	94.7	101.2	121.9
82.5°	44.1	46.3	47.1	48.4	49.3	50.2	54.9	59.7	64.4	69.2	83.5
85°	24.2	25.9	26.8	27.7	28.1	29.0	31.1	33.7	35.9	38.1	44.5
87.5°	11.7	13.4	13.4	13.8	13.8	13.8	13.8	14.3	14.3	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	189.0	188.5	188.1	187.7	187.7	187.2	186.8	186.4	185.9	185.5	185.1
5°	185.5	184.6	183.3	182.0	181.2	179.9	178.6	177.7	176.8	175.5	174.7
7.5°	179.0	177.7	176.4	174.7	173.4	171.7	169.9	168.2	166.5	164.7	163.0
10°	172.5	170.8	169.1	166.9	164.7	162.6	160.4	157.8	155.2	152.2	149.6
12.5°	172.1	170.4	168.6	166.5	164.3	162.1	160.0	157.4	154.8	152.2	149.6
15°	177.7	176.0	173.8	171.7	169.5	166.9	164.7	162.6	160.4	157.8	155.7
17.5°	187.2	185.1	182.9	180.7	178.6	176.0	173.8	172.5	171.2	169.5	168.2
20°	198.9	197.6	196.3	194.6	192.8	191.1	189.4	189.4	189.4	189.4	189.4
22.5°	211.4	211.4	211.4	211.4	211.9	211.9	211.9	214.5	216.6	219.2	221.4
25°	223.5	225.3	227.0	229.6	232.6	235.2	237.8	245.2	252.5	259.4	266.8
27.5°	236.1	238.7	241.3	247.3	253.8	259.9	265.9	278.5	291.0	303.1	315.6
30°	248.6	251.2	253.8	263.3	272.4	281.9	291.0	307.9	324.7	341.2	358.0
32.5°	261.6	265.5	268.9	281.5	294.0	306.6	319.1	340.3	361.9	383.1	404.3
35°	273.7	279.3	284.9	300.5	315.6	331.2	346.3	373.2	400.0	426.3	453.1
37.5°	285.4	293.2	300.9	319.5	338.1	356.7	375.3	408.2	441.0	473.9	506.8
40°	296.6	305.3	314.3	338.6	362.8	386.6	410.8	448.4	486.4	524.1	561.7
42.5°	307.9	318.7	329.5	359.7	389.6	419.8	449.7	492.5	534.9	577.7	620.0
45°	321.7	335.5	348.9	384.8	421.1	457.0	492.9	541.3	590.2	638.6	687.1
47.5°	335.5	352.4	369.7	412.5	455.3	497.7	540.5	593.2	646.0	698.3	751.1
50°	345.5	365.4	385.7	435.8	486.0	535.7	585.9	643.4	700.9	758.4	815.9
52.5°	355.4	378.8	402.1	457.5	513.2	568.6	623.9	687.9	752.4	816.3	880.3
55°	363.6	390.9	418.1	477.8	537.9	597.6	657.2	721.7	786.5	850.9	915.4
57.5°	361.9	392.2	422.4	486.4	550.0	614.0	677.6	743.3	808.6	874.3	939.6
60°	355.0	387.9	420.3	485.6	550.9	615.7	681.0	747.6	814.2	880.3	946.9
62.5°	347.6	383.1	418.6	484.7	550.9	616.6	682.7	744.1	805.5	866.9	928.3
65°	330.8	367.5	404.3	470.0	535.7	601.5	667.2	728.6	789.5	850.9	911.9
67.5°	312.2	349.4	387.0	448.0	508.9	569.5	630.4	693.5	756.2	819.4	882.1
70°	291.0	328.2	364.9	420.3	475.2	530.5	585.5	643.4	701.8	759.7	817.6
72.5°	264.2	299.6	335.1	385.7	435.8	486.4	536.6	585.5	634.7	683.6	732.5
75°	227.9	259.9	291.4	337.3	383.5	429.4	475.2	517.6	559.5	601.9	643.8
77.5°	186.4	213.6	240.4	278.5	316.1	354.1	391.7	428.5	464.8	501.6	537.9
80°	142.7	163.4	184.2	214.0	243.9	273.3	303.1	332.5	361.9	390.9	420.3
82.5°	97.7	111.6	125.8	147.0	168.6	189.8	211.0	231.8	252.5	273.3	294.0
85°	50.6	57.1	63.1	73.5	84.3	94.7	105.1	116.7	128.4	139.7	151.3
87.5°	14.3	14.3	14.3	14.7	14.7	15.1	15.1	16.0	16.9	17.3	18.2
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	185.1	184.6	184.6	184.2	183.8	183.8	183.3	182.9	182.9	182.9	182.9
5°	173.8	173.4	172.5	171.7	171.7	171.2	171.2	170.8	170.8	170.8	170.8
7.5°	161.3	160.0	158.3	156.5	156.1	155.2	154.8	153.9	153.5	153.1	153.5
10°	147.0	144.4	141.4	138.8	137.1	135.8	134.0	132.3	132.3	131.9	132.3
12.5°	147.0	144.4	141.4	138.8	137.1	134.9	133.2	131.0	130.6	129.7	130.6
15°	153.5	151.3	148.7	146.6	144.8	142.7	141.0	138.8	138.4	137.5	138.4
17.5°	166.9	165.6	164.3	163.0	161.7	160.8	159.6	158.3	158.7	159.1	158.7
20°	190.7	192.0	192.8	194.1	195.0	196.3	197.2	198.5	198.5	198.0	198.5
22.5°	227.0	232.2	237.4	243.0	247.8	252.9	257.7	262.5	264.2	266.4	264.6
25°	279.3	291.9	304.0	316.5	326.5	336.4	345.9	355.9	357.6	359.3	357.6
27.5°	333.8	352.4	370.6	388.7	400.8	413.4	425.5	437.6	440.2	443.2	440.6
30°	380.1	402.6	424.6	446.7	459.6	472.6	485.1	498.1	499.4	501.1	499.8
32.5°	428.1	451.8	475.6	499.4	512.4	525.8	538.8	552.2	553.5	554.8	553.5
35°	478.7	504.6	530.1	555.6	569.5	583.3	596.7	610.5	610.5	610.1	610.5
37.5°	534.4	561.7	588.9	616.6	629.6	643.0	655.9	669.3	671.5	674.1	671.9
40°	591.5	621.3	651.2	681.0	694.4	708.3	721.7	735.1	735.9	737.2	736.4
42.5°	652.5	685.3	717.8	750.2	763.6	777.0	790.0	803.4	805.1	806.8	805.1
45°	720.8	754.5	787.8	821.5	835.4	849.6	863.5	877.7	878.2	878.2	878.2
47.5°	787.4	824.1	860.5	896.8	912.8	929.2	945.2	961.2	962.5	963.8	962.5
50°	854.0	892.0	930.1	968.1	982.8	998.0	1012.7	1027.8	1030.4	1033.4	1030.8
52.5°	918.0	956.0	993.6	1031.2	1049.0	1067.1	1084.9	1102.6	1105.2	1107.8	1105.2
55°	956.4	998.0	1039.0	1080.1	1097.0	1114.3	1131.1	1148.0	1152.3	1157.1	1152.7
57.5°	979.4	1019.1	1058.9	1098.7	1115.6	1132.9	1149.7	1166.6	1170.9	1175.7	1171.3
60°	984.1	1020.9	1057.6	1094.8	1115.6	1136.3	1156.6	1177.4	1181.7	1186.0	1181.7
62.5°	972.0	1015.7	1059.3	1103.0	1123.8	1145.0	1165.7	1186.5	1187.3	1188.6	1187.8
65°	953.4	994.5	1035.6	1077.1	1090.0	1103.0	1115.6	1128.5	1129.8	1131.6	1130.3
67.5°	912.3	942.2	972.0	1002.3	1019.1	1036.0	1052.4	1069.3	1076.2	1083.6	1076.6
70°	847.5	877.7	907.6	937.4	957.7	978.5	998.8	1019.1	1022.6	1026.5	1023.0
72.5°	765.8	799.1	831.9	865.2	882.1	898.9	915.8	932.7	932.7	932.7	932.7
75°	672.4	700.5	728.6	757.1	771.4	785.6	799.9	814.2	814.6	815.1	814.6
77.5°	561.7	585.5	608.8	632.6	645.1	658.1	670.6	683.6	688.4	693.5	688.8
80°	441.0	461.8	482.1	502.9	512.8	522.8	532.7	542.6	546.1	549.6	546.1
82.5°	310.0	326.0	342.0	358.0	364.9	372.3	379.2	386.1	387.9	389.6	387.9
85°	162.6	173.8	184.6	195.9	200.6	205.4	209.7	214.5	215.8	217.5	216.2
87.5°	19.0	20.3	21.2	22.1	24.6	27.2	29.4	32.0	30.7	29.4	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	182.9	183.3	183.8	183.8	184.2	184.6	184.6	185.1	185.1	185.5	185.9
5°	170.8	171.2	171.2	171.7	171.7	172.5	173.4	173.8	174.7	175.5	176.8
7.5°	153.9	154.8	155.2	156.1	156.5	158.3	160.0	161.3	163.0	164.7	166.5
10°	132.3	134.0	135.8	137.1	138.8	141.4	144.4	147.0	149.6	152.2	155.2
12.5°	131.0	133.2	134.9	137.1	138.8	141.4	144.4	147.0	149.6	152.2	154.8
15°	138.8	141.0	142.7	144.8	146.6	148.7	151.3	153.5	155.7	157.8	160.4
17.5°	158.3	159.6	160.8	161.7	163.0	164.3	165.6	166.9	168.2	169.5	171.2
20°	198.5	197.2	196.3	195.0	194.1	192.8	192.0	190.7	189.4	189.4	189.4
22.5°	262.5	257.7	252.9	247.8	243.0	237.4	232.2	226.6	221.4	218.8	216.6
25°	355.9	345.9	336.4	326.5	316.5	304.0	291.9	279.3	266.8	259.4	252.5
27.5°	437.6	425.5	413.4	400.8	388.7	370.6	352.4	333.8	315.6	303.1	291.0
30°	498.1	485.1	472.6	459.6	446.7	424.6	402.6	380.1	358.0	341.2	324.7
32.5°	552.2	538.8	525.8	512.4	499.4	475.6	451.8	428.1	404.3	383.1	361.9
35°	610.5	596.7	583.3	569.5	555.6	530.1	504.6	478.7	453.1	426.3	400.0
37.5°	669.3	655.9	643.0	629.6	616.6	588.9	561.7	534.0	506.8	473.9	441.0
40°	735.1	721.7	708.3	694.4	681.0	651.2	621.3	591.5	561.7	524.1	486.4
42.5°	803.4	790.0	777.0	763.6	750.2	717.8	685.3	652.5	620.0	577.2	534.9
45°	877.7	863.5	849.6	835.4	821.5	787.8	754.5	720.8	687.1	638.6	590.2
47.5°	961.2	945.2	929.2	912.8	896.8	860.5	824.1	787.4	751.1	698.3	646.0
50°	1027.8	1012.7	998.0	982.8	968.1	930.1	892.0	854.0	815.9	758.4	700.9
52.5°	1102.6	1084.9	1067.1	1049.0	1031.2	993.6	956.0	918.0	880.3	816.3	752.4
55°	1148.0	1131.1	1114.3	1097.0	1080.1	1039.0	998.0	956.4	915.4	850.9	786.5
57.5°	1166.6	1149.7	1132.9	1115.6	1098.7	1058.9	1019.1	979.4	939.6	873.9	808.6
60°	1177.4	1156.6	1136.3	1115.6	1094.8	1057.6	1020.9	983.7	946.9	880.3	814.2
62.5°	1186.5	1165.7	1145.0	1123.8	1103.0	1059.3	1015.7	972.0	928.3	866.9	805.5
65°	1128.5	1115.6	1103.0	1090.0	1077.1	1035.6	994.5	953.0	911.9	850.5	789.5
67.5°	1069.3	1052.4	1036.0	1019.1	1002.3	972.0	942.2	911.9	882.1	818.9	756.2
70°	1019.1	998.8	978.5	957.7	937.4	907.6	877.7	847.5	817.6	759.7	701.8
72.5°	932.7	915.8	898.9	882.1	865.2	831.9	799.1	765.8	732.5	683.6	634.7
75°	814.2	799.9	785.6	771.4	757.1	728.6	700.5	671.9	643.8	601.5	559.5
77.5°	683.6	670.6	658.1	645.1	632.6	608.8	585.5	561.7	537.9	501.1	464.8
80°	542.6	532.7	522.8	512.8	502.9	482.1	461.8	441.0	420.3	390.9	361.9
82.5°	386.1	379.2	372.3	364.9	358.0	342.0	326.0	310.0	294.0	273.3	252.5
85°	214.5	209.7	205.4	200.6	195.9	184.6	173.8	162.6	151.3	139.7	128.4
87.5°	32.0	29.4	27.2	24.6	22.1	21.2	20.3	19.0	18.2	17.3	16.9
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	186.4	186.8	187.2	187.7	187.7	188.1	188.5	189.0	189.4	189.8	190.3
5°	177.7	178.6	179.9	181.2	182.0	183.3	184.6	185.5	186.8	187.7	188.5
7.5°	168.2	169.9	171.7	173.4	174.7	176.4	177.7	179.0	180.3	181.6	182.9
10°	157.8	160.4	162.6	164.7	166.9	169.1	170.8	172.5	173.8	175.5	176.8
12.5°	157.4	160.0	162.1	164.3	166.5	168.6	170.4	172.1	173.4	175.1	176.4
15°	162.6	164.7	166.9	169.5	171.7	173.8	176.0	177.7	179.9	181.6	182.9
17.5°	172.5	173.8	176.0	178.6	180.7	182.9	185.1	187.2	189.0	191.1	192.0
20°	189.4	189.4	191.1	192.8	194.6	196.3	197.6	198.9	200.2	201.5	201.1
22.5°	214.5	211.9	211.9	211.9	211.4	211.4	211.4	211.4	211.0	211.0	209.3
25°	245.2	237.8	235.2	232.6	229.6	227.0	225.3	223.5	221.4	219.7	217.5
27.5°	278.5	265.9	259.9	253.8	247.3	241.3	238.7	236.1	233.1	230.5	227.9
30°	307.9	291.0	281.9	272.4	263.3	253.8	251.2	248.6	245.6	243.0	239.1
32.5°	340.3	319.1	306.6	294.0	281.5	268.9	265.5	261.6	258.1	254.2	249.1
35°	373.2	346.3	331.2	315.6	300.5	284.9	279.3	273.7	268.1	262.5	256.8
37.5°	408.2	375.3	356.7	338.1	319.5	300.9	293.2	285.4	277.6	269.8	264.2
40°	448.4	410.8	386.6	362.8	338.6	314.3	305.3	296.6	287.5	278.5	272.4
42.5°	492.5	449.7	419.8	389.6	359.7	329.5	318.7	307.9	297.1	286.2	279.8
45°	541.3	492.9	457.0	421.1	384.8	348.9	335.5	321.7	308.3	294.5	287.5
47.5°	593.2	540.5	497.7	455.3	412.5	369.7	352.4	335.5	318.2	300.9	293.6
50°	643.4	585.9	535.7	486.0	435.8	385.7	365.4	345.5	325.2	304.8	297.5
52.5°	687.9	623.9	568.6	513.2	457.5	402.1	378.8	355.4	332.1	308.7	300.9
55°	721.7	657.2	597.6	537.9	477.8	418.1	390.9	363.6	336.0	308.7	300.5
57.5°	743.3	677.6	614.0	550.0	486.4	422.4	392.2	361.9	331.6	301.4	292.7
60°	747.6	681.0	615.7	550.9	485.6	420.3	387.9	355.0	322.6	289.7	280.2
62.5°	744.1	682.7	616.6	550.9	484.7	418.6	383.1	347.6	311.8	276.3	266.8
65°	728.6	667.2	601.5	535.7	470.0	404.3	367.5	330.8	294.0	257.3	249.1
67.5°	693.5	630.4	569.5	508.9	448.0	387.0	349.4	312.2	274.6	236.9	228.7
70°	643.4	585.5	530.5	475.2	420.3	364.9	328.2	291.0	254.2	217.1	208.0
72.5°	585.5	536.6	486.4	435.8	385.7	335.1	299.6	264.2	228.3	192.8	183.8
75°	517.6	475.2	429.4	383.5	337.3	291.4	259.9	227.9	196.3	164.3	155.7
77.5°	428.5	391.7	354.1	316.1	278.5	240.4	213.6	186.4	159.6	132.3	125.0
80°	332.5	303.1	273.3	243.9	214.0	184.2	163.4	142.7	121.9	101.2	94.7
82.5°	231.8	211.0	189.8	168.6	147.0	125.8	111.6	97.7	83.5	69.2	64.4
85°	116.7	105.1	94.7	84.3	73.5	63.1	57.1	50.6	44.5	38.1	35.9
87.5°	16.0	15.1	15.1	14.7	14.7	14.3	14.3	14.3	14.3	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8	189.8
2.5°	190.3	190.7	190.7	191.1	191.1	191.5	191.5	191.5	192.0	192.0	192.0
5°	189.0	189.8	190.7	191.1	192.0	192.4	192.8	193.3	193.3	193.7	193.7
7.5°	183.8	185.1	185.9	186.8	187.2	188.1	189.0	189.4	189.8	189.8	190.3
10°	177.7	179.0	179.9	180.7	181.6	182.5	183.3	183.8	184.2	184.2	184.6
12.5°	177.7	179.4	180.7	181.6	182.0	182.9	183.8	184.2	184.2	184.6	184.6
15°	184.2	185.5	186.8	187.7	188.1	189.0	189.4	189.4	189.8	189.8	189.8
17.5°	192.4	193.3	194.1	194.1	194.1	194.1	194.1	193.7	193.7	193.3	192.8
20°	200.6	199.8	199.3	198.5	197.6	196.7	195.9	195.0	194.6	193.7	192.8
22.5°	207.5	205.8	204.1	202.8	201.5	199.8	198.5	197.6	196.3	195.4	194.1
25°	214.9	212.7	210.1	208.4	207.1	205.4	203.7	202.4	201.5	200.2	198.9
27.5°	224.8	222.2	219.2	217.1	214.9	212.3	210.1	208.8	207.5	205.8	204.5
30°	235.7	231.8	227.9	224.4	220.9	217.1	213.6	211.4	209.3	207.1	205.0
32.5°	243.9	238.7	233.5	229.2	224.8	220.1	215.8	213.2	211.0	208.4	205.8
35°	251.2	245.2	239.5	234.8	230.0	225.3	220.5	217.9	215.3	212.3	209.7
37.5°	258.6	252.5	246.9	241.7	236.5	230.9	225.7	222.7	219.7	216.2	213.2
40°	266.8	260.7	254.7	248.6	242.6	236.5	230.5	227.0	223.1	219.7	215.8
42.5°	273.3	266.4	259.9	253.4	246.9	240.4	233.9	230.0	226.6	222.7	218.8
45°	280.2	273.3	265.9	259.0	252.5	245.6	238.7	234.8	230.9	226.6	222.7
47.5°	286.2	278.5	271.1	264.2	257.3	249.9	243.0	238.7	234.4	229.6	225.3
50°	289.7	282.3	274.6	267.2	259.9	252.1	244.7	240.4	235.7	231.3	226.6
52.5°	293.2	284.9	277.2	269.4	261.6	253.8	246.0	241.3	236.1	231.3	226.1
55°	291.9	283.6	275.0	267.2	259.0	251.2	243.0	237.8	232.6	227.4	222.2
57.5°	283.6	275.0	265.9	258.6	251.2	243.4	236.1	231.8	227.0	222.7	217.9
60°	271.1	261.6	252.1	246.0	240.4	234.4	228.3	224.0	220.1	215.8	211.4
62.5°	257.3	247.8	238.2	233.1	228.3	223.1	217.9	213.2	208.8	204.1	199.3
65°	240.4	232.2	223.5	217.9	212.3	206.2	200.6	196.3	192.0	187.7	183.3
67.5°	220.5	212.3	204.1	198.5	192.8	186.8	181.2	177.7	174.3	170.4	166.9
70°	198.9	189.8	180.7	176.0	171.7	166.9	162.1	159.1	156.5	153.5	150.5
72.5°	174.7	165.2	156.1	152.6	148.7	145.3	141.4	138.8	135.8	133.2	130.1
75°	147.0	138.4	129.7	127.1	124.5	121.5	118.9	116.3	113.7	110.7	108.1
77.5°	117.6	110.3	102.9	100.7	99.0	96.9	94.7	92.1	89.5	86.5	83.9
80°	88.2	81.7	75.2	73.9	72.2	70.9	69.2	67.0	65.3	63.1	61.0
82.5°	59.7	54.9	50.2	49.3	48.4	47.1	46.3	44.1	42.4	40.2	38.1
85°	33.7	31.1	29.0	28.1	27.7	26.8	25.9	24.2	22.9	21.2	19.5
87.5°	14.3	13.8	13.8	13.8	13.8	13.4	13.4	11.7	10.4	8.6	6.9
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445202

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

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	189.8	189.8
2.5°	192.0	192.0
5°	193.7	193.7
7.5°	190.3	190.3
10°	185.1	185.5
12.5°	185.1	185.1
15°	189.8	189.8
17.5°	192.8	192.8
20°	192.8	192.8
22.5°	194.1	193.7
25°	198.9	198.9
27.5°	204.1	203.7
30°	204.5	204.1
32.5°	205.4	204.5
35°	208.8	207.5
37.5°	211.9	210.6
40°	214.5	212.7
42.5°	217.1	215.3
45°	220.9	219.2
47.5°	224.0	222.2
50°	224.8	222.7
52.5°	224.0	221.8
55°	220.5	218.4
57.5°	215.8	213.6
60°	209.3	207.1
62.5°	196.7	193.7
65°	180.3	177.3
67.5°	164.3	161.7
70°	147.9	144.8
72.5°	127.6	124.5
75°	105.5	102.5
77.5°	81.3	78.7
80°	58.8	56.6
82.5°	35.5	32.9
85°	17.3	14.7
87.5°	5.2	3.0
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: P1445202

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

CANDELA DISTRIBUTION (continued):

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

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-3

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

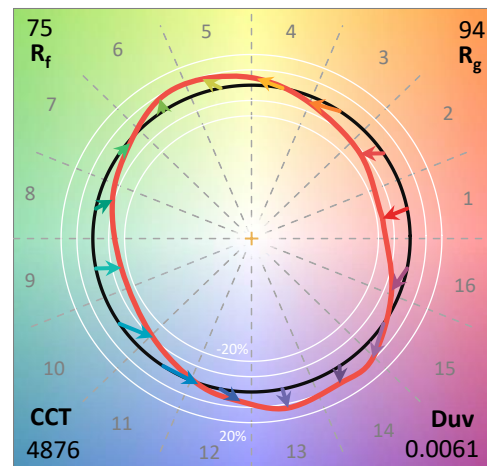
Test Information

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
 CIE u' : 0.2086
 CIE v' : 0.4932
 Duv: 0.0061
 CIE x: 0.3502
 CIE y: 0.3680
 CIE z: 0.2818
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 569
 Purity: 15.51324
 R_f: 74.6
 R_g: 94.4

CRI (Ra): 72.6
 R1: 69.5
 R2: 77.0
 R3: 82.2
 R4: 72.6
 R5: 69.3
 R6: 67.6
 R7: 83.7
 R8: 58.6
 R9: -24.6
 R10: 44.8
 R11: 68.2
 R12: 36.1
 R13: 70.5
 R14: 89.9
 R15: 63.1



Test Conditions

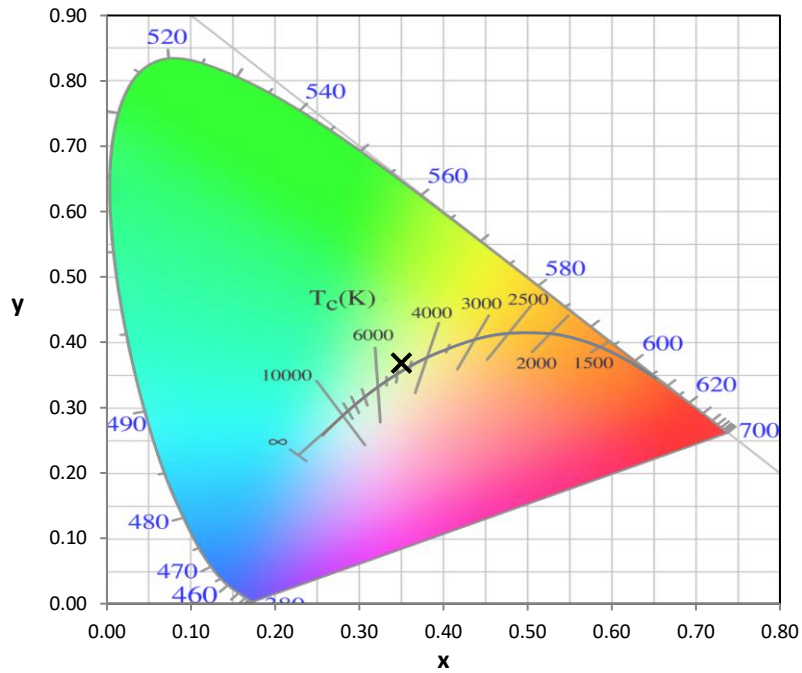
Stabilization Time: 51M
 Operation Time: 1H 51M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2411-284-3

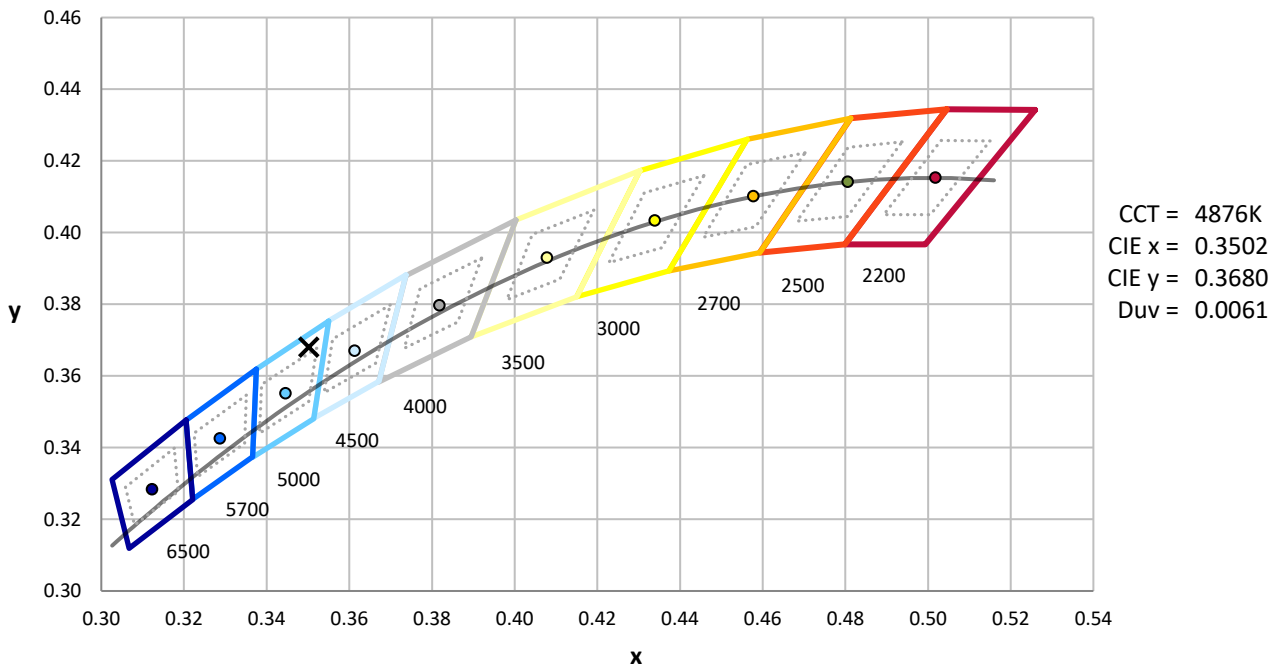
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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



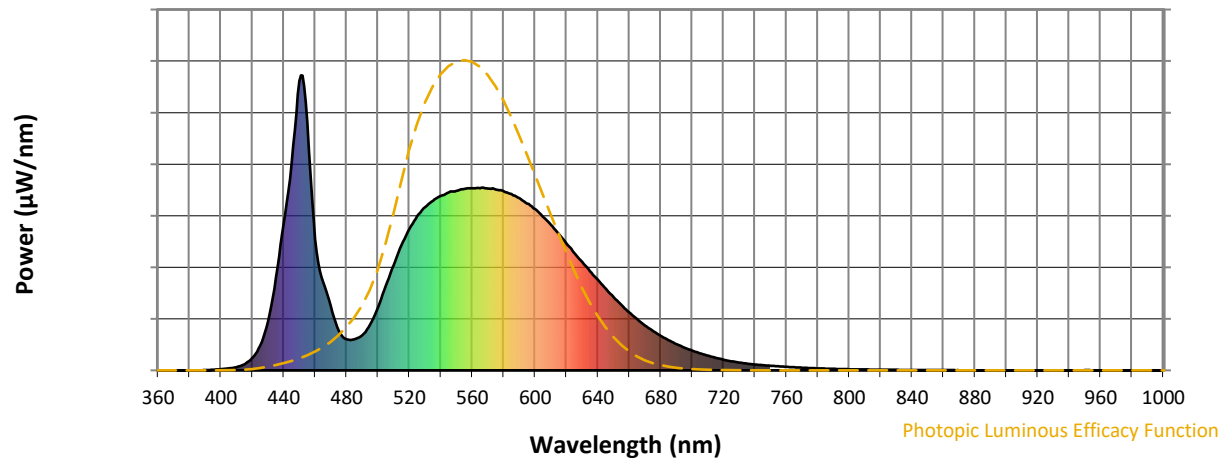
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2411-284-3

Photopic Flux vs. Wavelength

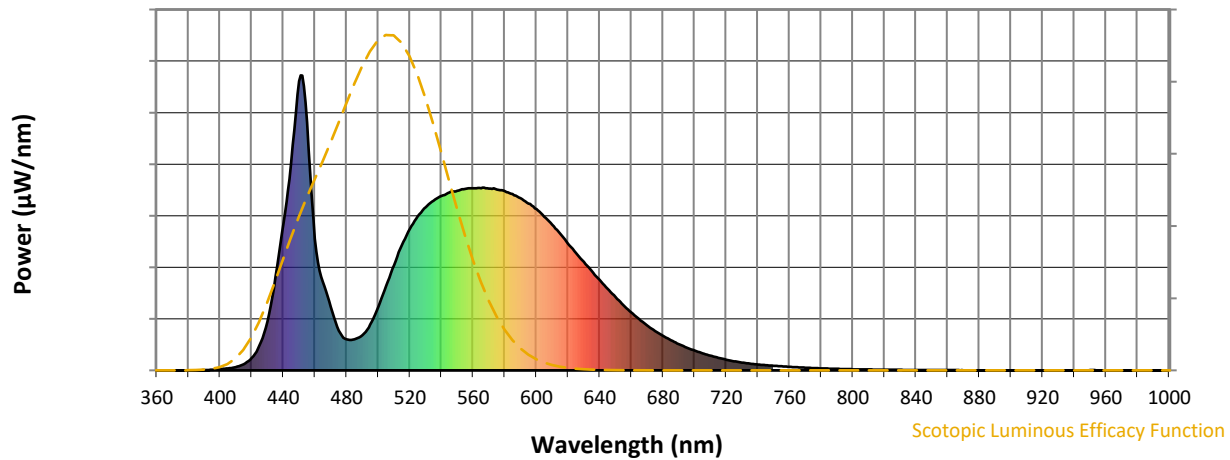


Photopic Lumens: NR

λ (nm)	Power W ^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

Scotopic Flux vs. Wavelength

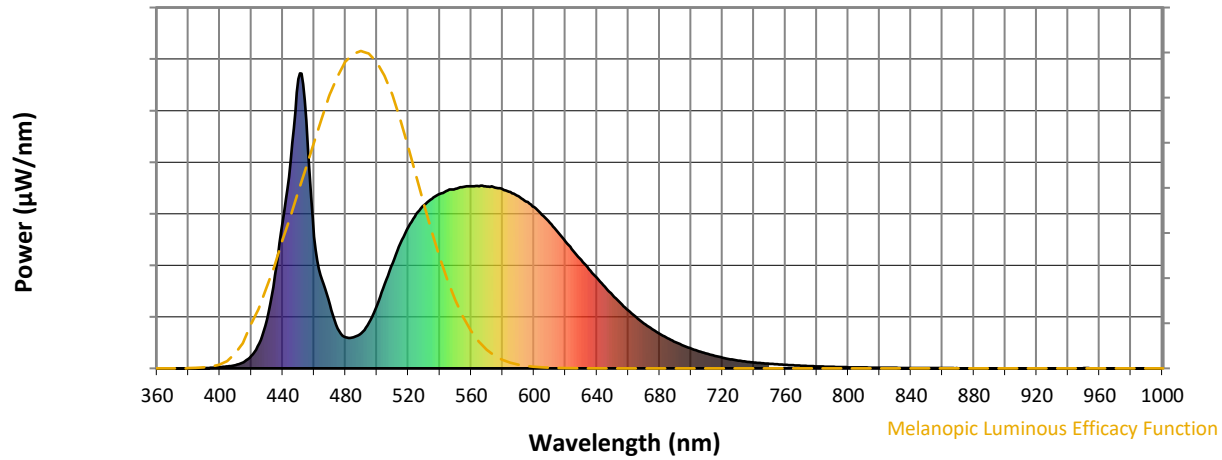


Scotopic Lumens: NR

S/P: 1.74

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

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 3.51

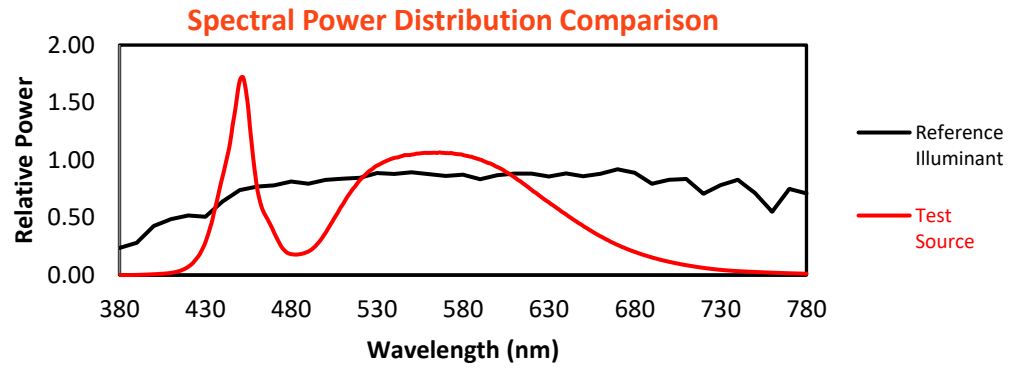
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119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

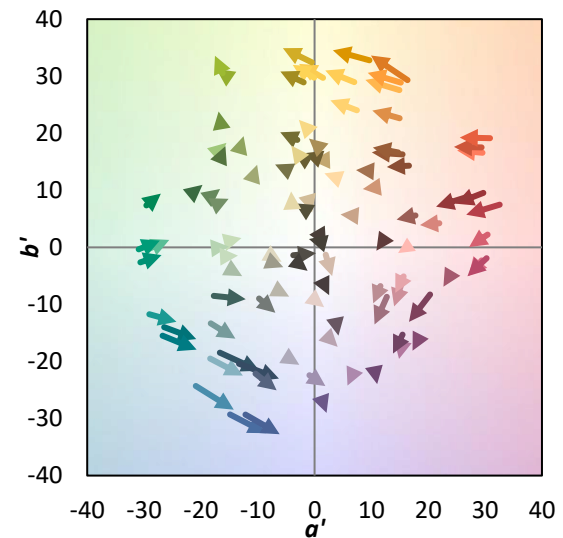
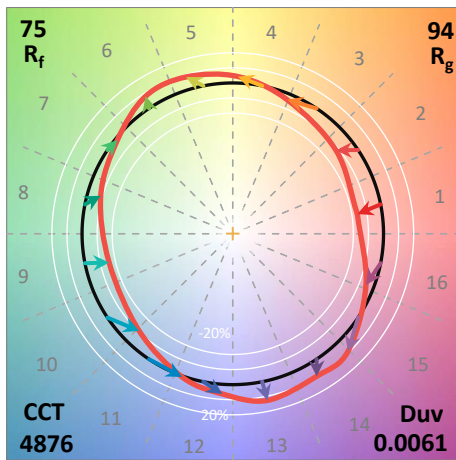
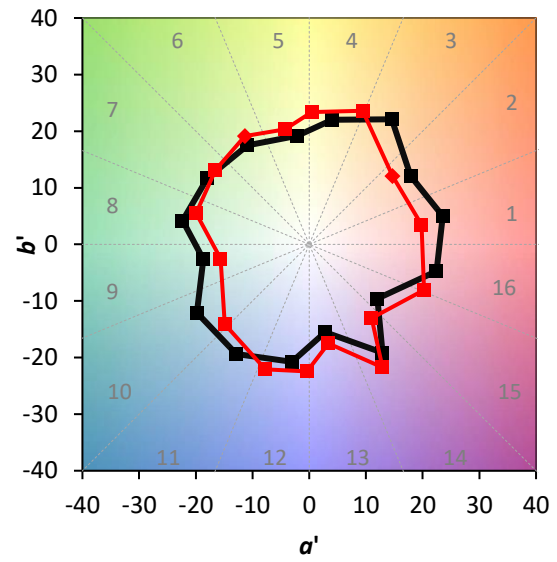
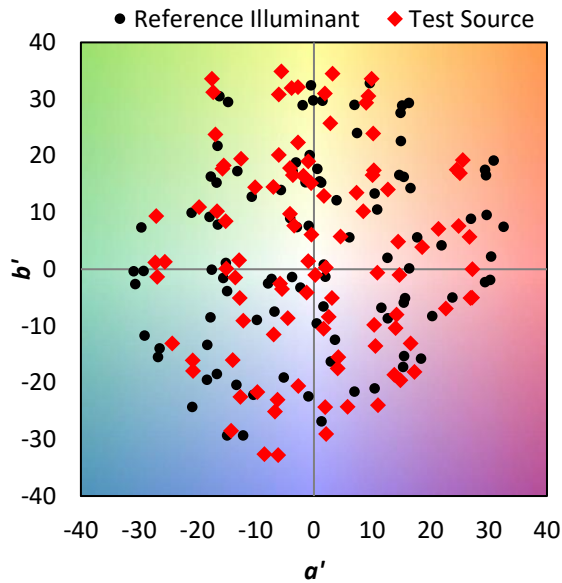
TM-30-18

Summary

$R_f = 74.6$
 $R_g = 94.4$
 $CIE R_a = 72.6$
 $R_g = -24.6$

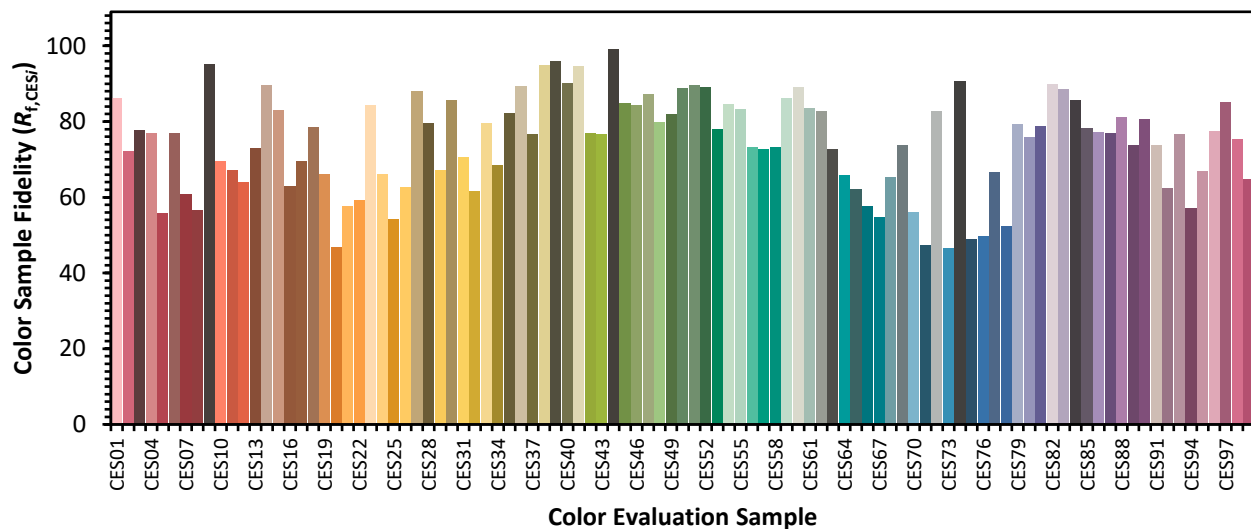


Color Vector Graphics

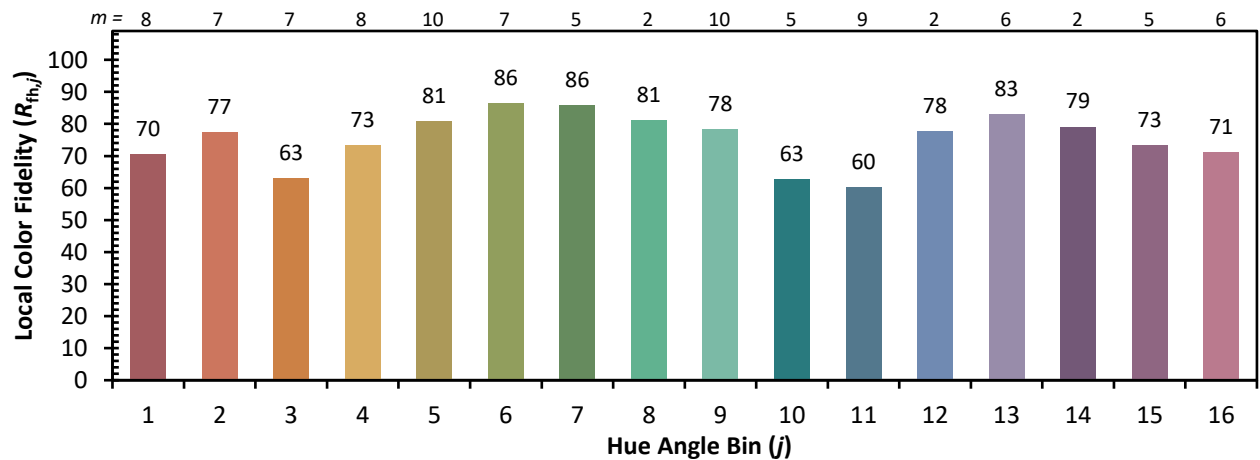
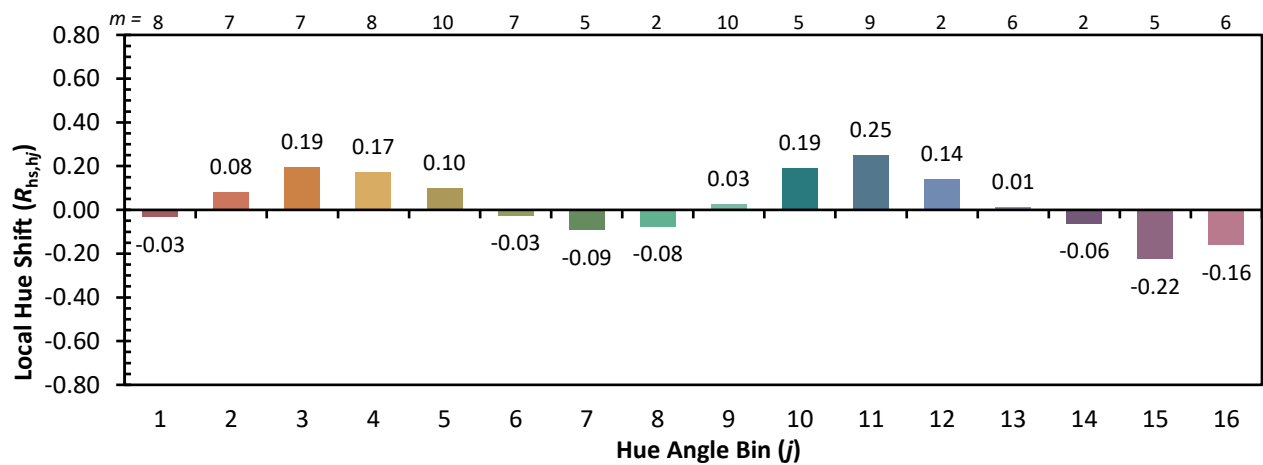
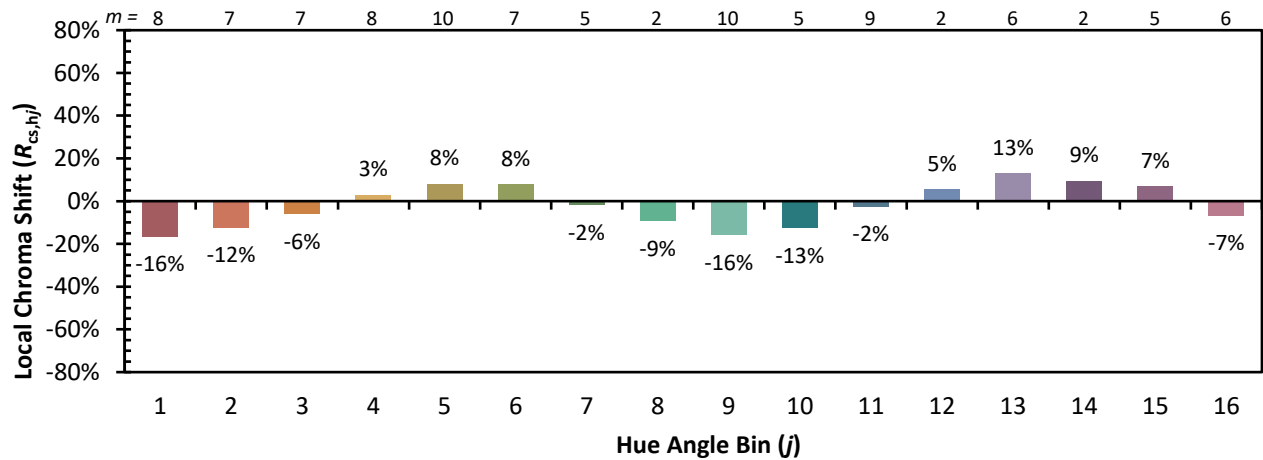


Individual Sample Fidelity Index ($R_{f,i}$)

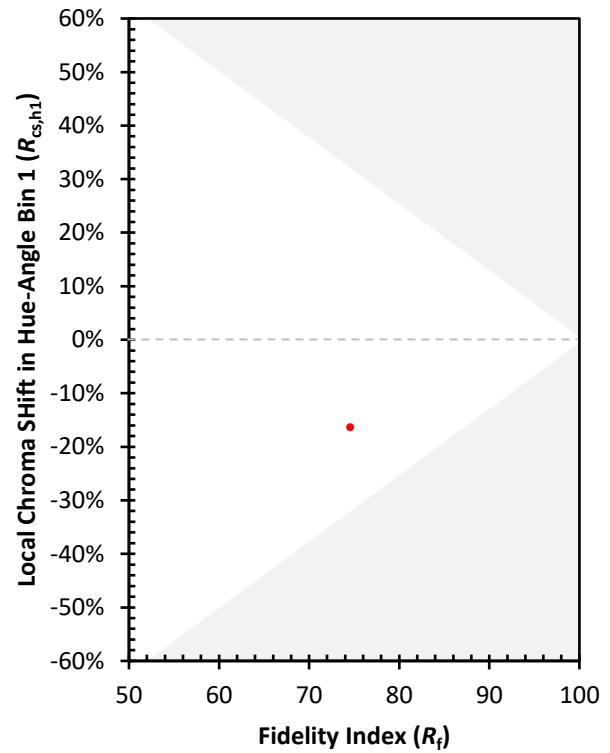
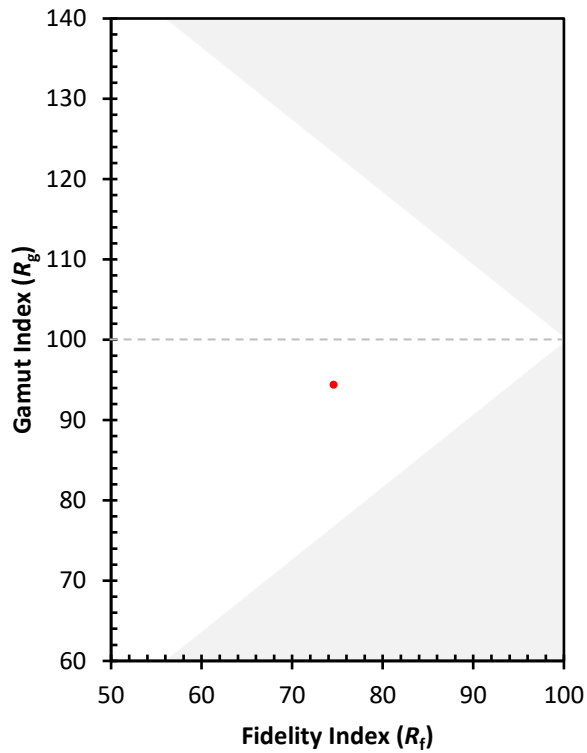
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CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 78	CES78 = 52
CES04 = 69	CES29 = 67	CES54 = 85	CES79 = 79
CES05 = 46	CES30 = 86	CES55 = 83	CES80 = 76
CES06 = 50	CES31 = 70	CES56 = 73	CES81 = 79
CES07 = 39	CES32 = 62	CES57 = 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)