Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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: P1445193

Luminaire Tested: TPTN-VA0-735-U-RW-GM

Issue Date: 05/21/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1445193
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	5/21/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	TPTN-VA0-735-U-RW-GM
Description:	TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 9W 70CRI 3500K w/ RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source:	3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	759.9 lumens
Efficiency:	N/A
Efficacy:	87.3 lumens/watt
Luminous Opening:	Circular (Dia: 0.71' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

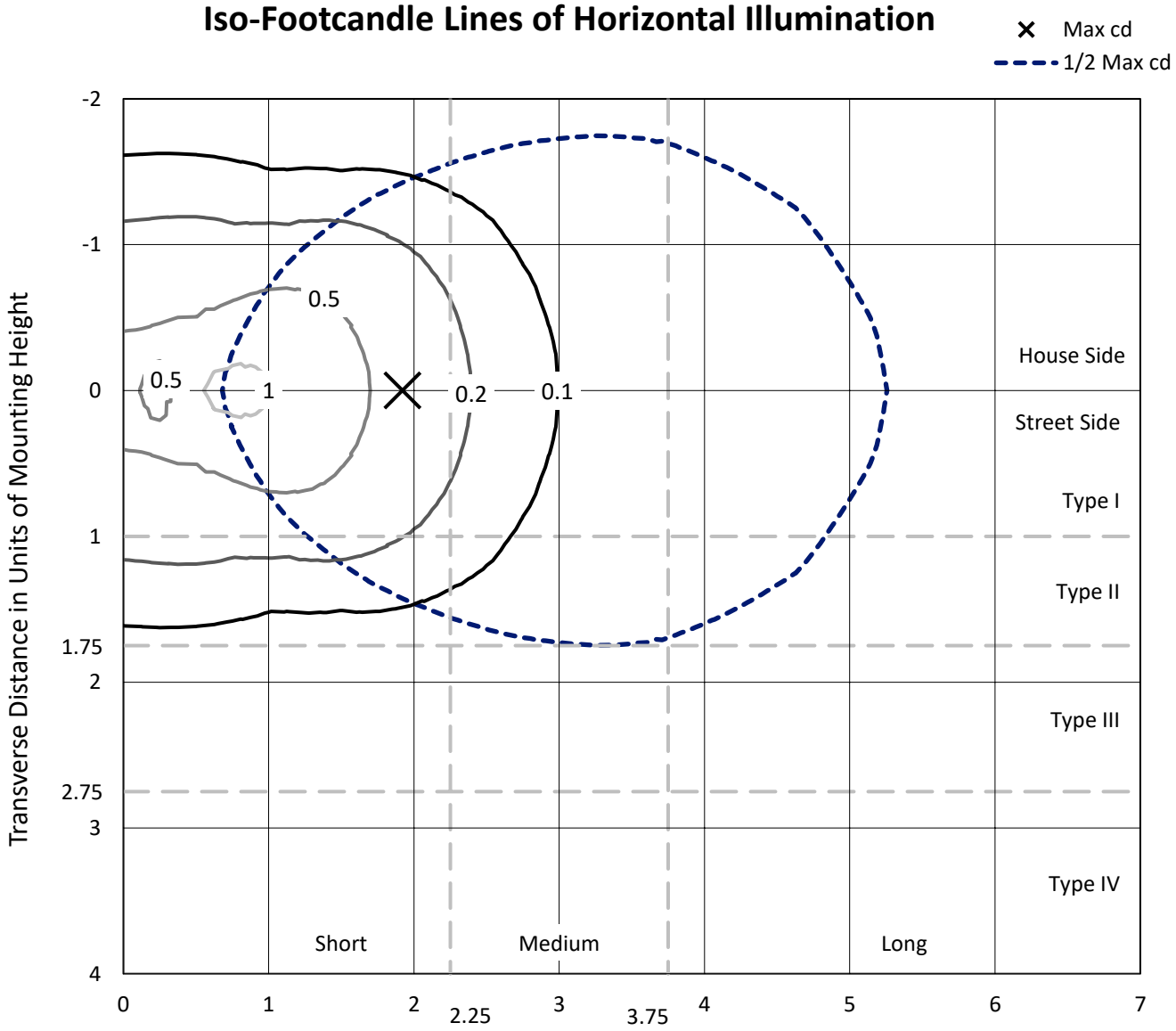
Input Watts (W):	8.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	29.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

Iso-Footcandle Lines of Horizontal Illumination



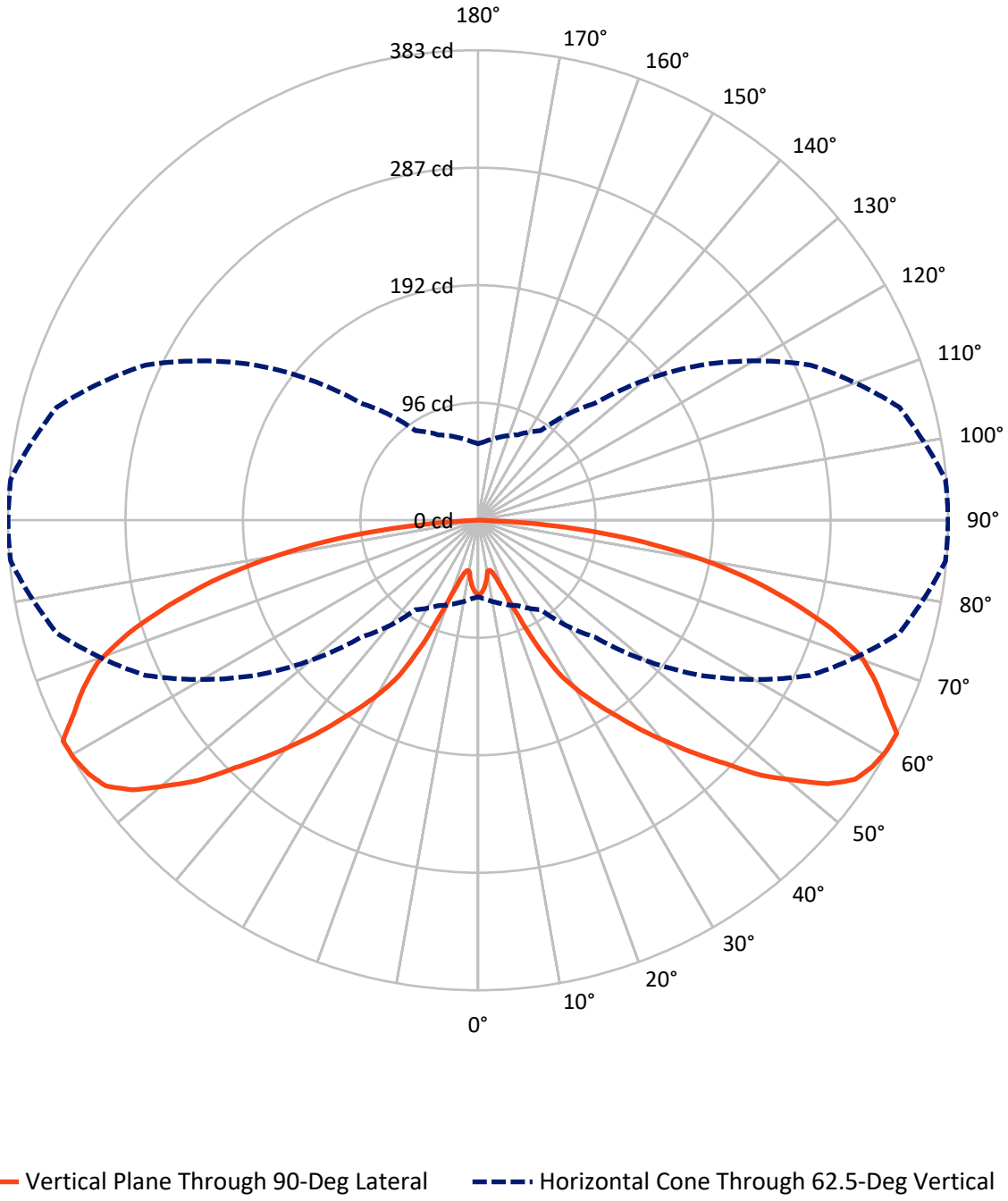
Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
Type II - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

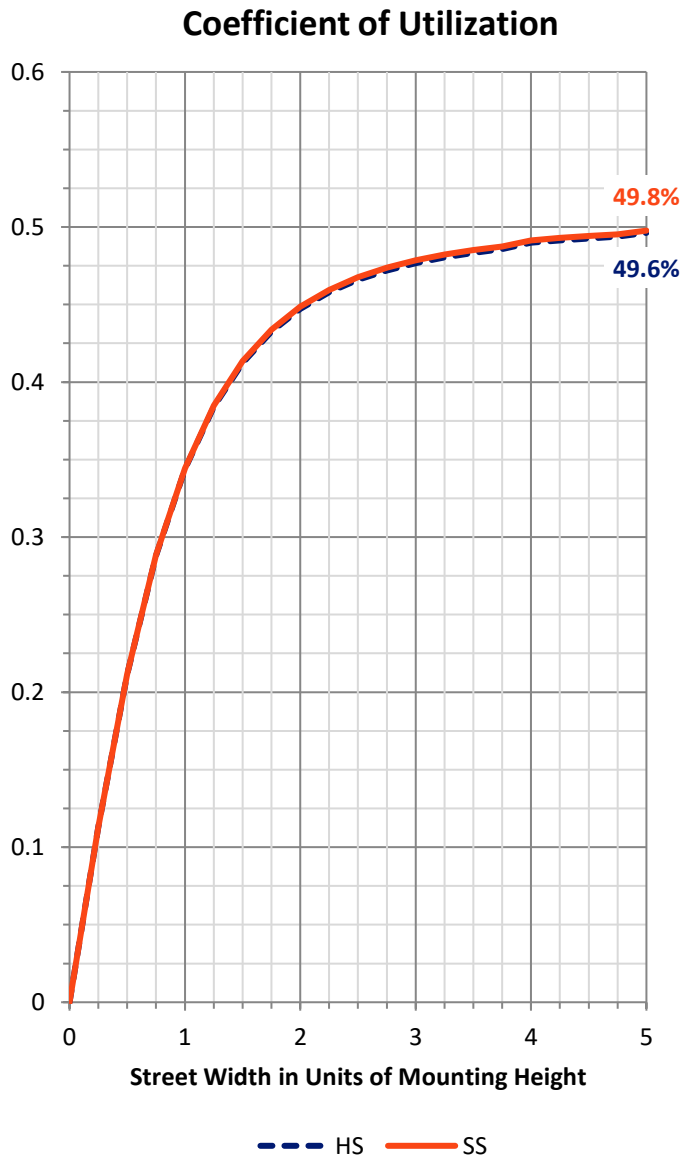
REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	379.9	0.0	379.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	380.0	0.0	380.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	759.9	0.0	759.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.7
10°-20°	16.0	2.1
20°-30°	37.6	5.0
30°-40°	72.3	9.5
40°-50°	118.5	15.6
50°-60°	167.0	22.0
60°-70°	177.0	23.3
70°-80°	130.2	17.1
80°-90°	36.0	4.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	759.9	100.0
0°-180°	759.9	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

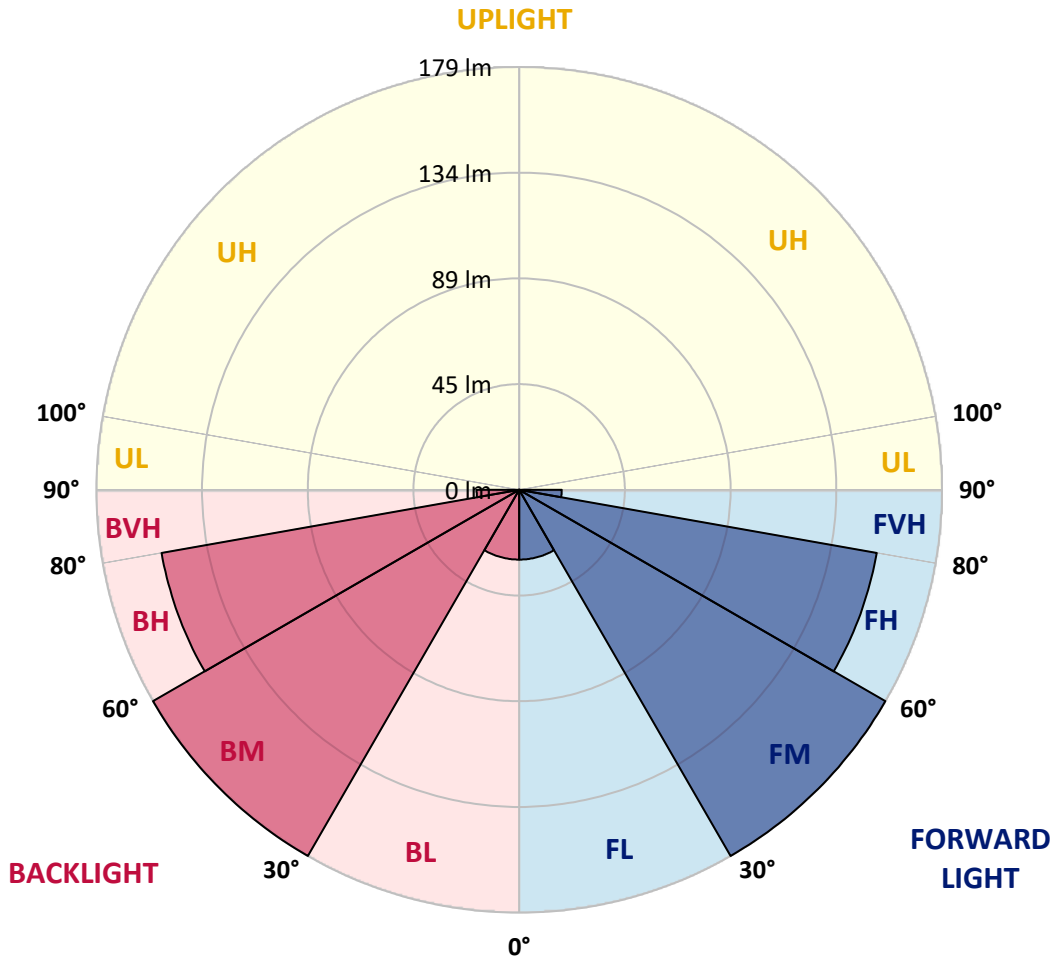
Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	29.5	3.9			
FM	(30°-60°)	178.8	23.5			
FH	(60°-80°)	153.6	20.2			G0/660
FVH	(80°-90°)	18.0	2.4			G1/100
BL	(0°-30°)	29.5	3.9	B0/110		
BM	(30°-60°)	178.8	23.5	B0/220		
BH	(60°-80°)	153.6	20.2	B1/500		G1/500
BVH	(80°-90°)	18.0	2.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	61.9	61.9	61.9	61.9	61.9	61.7	61.7	61.7	61.6	61.6	61.5
5°	62.4	62.4	62.4	62.4	62.3	62.3	62.2	62.0	61.9	61.6	61.5
7.5°	61.3	61.3	61.3	61.2	61.2	61.0	60.9	60.6	60.5	60.2	59.9
10°	59.8	59.7	59.5	59.4	59.4	59.2	59.1	58.8	58.5	58.3	58.0
12.5°	59.7	59.7	59.5	59.5	59.4	59.4	59.2	59.0	58.8	58.5	58.3
15°	61.2	61.2	61.2	61.2	61.2	61.0	61.0	60.9	60.6	60.5	60.2
17.5°	62.2	62.2	62.2	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6
20°	62.2	62.2	62.2	62.4	62.7	62.9	63.1	63.4	63.7	64.0	64.3
22.5°	62.4	62.6	62.6	63.0	63.3	63.7	64.0	64.4	65.0	65.4	65.8
25°	64.1	64.1	64.1	64.5	65.0	65.2	65.6	66.2	66.8	67.2	67.7
27.5°	65.6	65.8	65.9	66.3	66.9	67.3	67.7	68.4	69.3	70.0	70.7
30°	65.8	65.9	66.1	66.8	67.5	68.2	68.9	70.0	71.2	72.3	73.5
32.5°	65.9	66.2	66.3	67.2	68.0	68.7	69.6	70.9	72.5	73.9	75.3
35°	66.9	67.3	67.6	68.4	69.4	70.2	71.1	72.6	74.1	75.7	77.2
37.5°	67.9	68.3	68.7	69.7	70.8	71.8	72.8	74.4	76.2	77.9	79.6
40°	68.6	69.1	69.6	70.8	71.9	73.2	74.3	76.2	78.2	80.1	82.1
42.5°	69.4	70.0	70.5	71.8	73.0	74.1	75.4	77.5	79.6	81.7	83.8
45°	70.7	71.2	71.8	73.0	74.4	75.7	76.9	79.2	81.4	83.5	85.7
47.5°	71.6	72.2	72.6	74.0	75.5	76.9	78.3	80.6	82.9	85.2	87.4
50°	71.8	72.5	73.0	74.6	76.0	77.5	78.9	81.3	83.8	86.1	88.5
52.5°	71.5	72.2	72.9	74.6	76.1	77.8	79.3	81.8	84.3	86.8	89.3
55°	70.4	71.1	71.6	73.3	75.0	76.7	78.3	81.0	83.5	86.1	88.6
57.5°	68.9	69.6	70.2	71.8	73.2	74.7	76.1	78.5	81.0	83.3	85.7
60°	66.8	67.5	68.2	69.6	70.9	72.2	73.6	75.5	77.5	79.3	81.3
62.5°	*62.4*	*63.4*	*64.3*	*65.8*	*67.3*	*68.7*	*70.2*	*71.9*	*73.6*	*75.1*	*76.8*
65°	57.1	58.1	59.1	60.5	61.9	63.3	64.7	66.5	68.4	70.2	72.1
67.5°	52.1	53.0	53.8	54.9	56.2	57.3	58.4	60.2	62.2	64.0	65.8
70°	46.7	47.7	48.5	49.5	50.5	51.3	52.3	53.8	55.3	56.7	58.3
72.5°	40.1	41.1	42.0	42.9	43.8	44.7	45.6	46.8	47.9	49.2	50.3
75°	33.0	34.0	34.8	35.7	36.7	37.5	38.3	39.2	40.1	41.0	41.8
77.5°	25.4	26.2	27.0	27.9	28.9	29.7	30.5	31.2	31.9	32.5	33.2
80°	18.3	19.0	19.7	20.3	21.0	21.6	22.3	22.9	23.3	23.8	24.3
82.5°	10.6	11.4	12.3	13.0	13.7	14.2	14.9	15.2	15.6	15.9	16.2
85°	4.7	5.6	6.3	6.8	7.4	7.8	8.4	8.6	8.9	9.1	9.3
87.5°	1.0	1.7	2.2	2.8	3.3	3.8	4.3	4.3	4.5	4.5	4.5
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	61.5	61.3	61.3	61.2	61.0	60.9	60.8	60.6	60.5	60.5	60.4
5°	61.2	61.0	60.8	60.5	60.2	59.8	59.5	59.1	58.7	58.4	58.0
7.5°	59.7	59.2	59.0	58.5	58.1	57.7	57.3	56.9	56.3	55.9	55.3
10°	57.7	57.3	57.0	56.6	56.0	55.6	55.1	54.5	53.8	53.1	52.4
12.5°	57.8	57.4	56.9	56.4	55.9	55.5	54.9	54.4	53.7	53.0	52.3
15°	59.8	59.4	59.0	58.5	58.0	57.3	56.7	56.0	55.3	54.6	53.8
17.5°	62.3	62.2	61.9	61.6	60.9	60.4	59.7	59.0	58.3	57.6	56.7
20°	64.4	64.7	64.8	65.0	64.5	64.1	63.7	63.3	62.7	62.2	61.6
22.5°	66.3	66.9	67.5	68.0	68.0	68.2	68.2	68.2	68.2	68.3	68.3
25°	68.6	69.3	70.1	70.8	71.4	72.1	72.6	73.2	74.0	75.0	75.8
27.5°	71.6	72.5	73.5	74.3	75.1	76.1	76.9	77.8	79.7	81.8	83.8
30°	74.7	76.0	77.1	78.3	79.2	80.1	81.0	81.8	84.9	87.8	90.9
32.5°	76.9	78.6	80.3	82.0	83.2	84.3	85.6	86.7	90.7	94.8	98.8
35°	79.0	81.0	82.8	84.6	86.4	88.2	90.0	91.9	96.9	101.7	106.8
37.5°	81.4	83.3	85.2	87.0	89.5	92.0	94.5	97.0	103.0	109.0	115.0
40°	84.0	86.0	87.8	89.8	92.7	95.6	98.4	101.3	109.1	116.9	124.6
42.5°	85.9	88.1	90.2	92.3	95.8	99.2	102.7	106.2	116.0	125.6	135.3
45°	88.1	90.3	92.7	94.9	99.4	103.7	108.2	112.5	124.0	135.8	147.3
47.5°	89.8	92.3	94.6	97.0	102.6	108.2	113.6	119.2	133.0	146.8	160.4
50°	91.0	93.4	95.9	98.3	104.8	111.4	117.8	124.3	140.5	156.7	172.7
52.5°	91.9	94.5	97.0	99.5	107.0	114.6	122.1	129.6	147.5	165.4	183.3
55°	91.4	94.1	96.9	99.5	108.3	117.2	126.0	134.8	154.0	173.4	192.6
57.5°	88.6	91.4	94.4	97.1	106.9	116.7	126.4	136.2	156.8	177.3	197.9
60°	84.3	87.4	90.3	93.4	104.0	114.4	125.0	135.5	156.5	177.6	198.5
62.5°	*79.9*	*82.9*	*86.0*	*89.1*	*100.5*	*112.1*	*123.5*	*134.9*	*156.2*	*177.6*	*198.8*
65°	74.8	77.5	80.3	82.9	94.8	106.6	118.5	130.3	151.5	172.7	193.9
67.5°	68.4	71.1	73.7	76.4	88.5	100.6	112.6	124.7	144.4	164.0	183.6
70°	61.2	64.1	67.0	70.0	82.0	93.8	105.8	117.6	135.5	153.2	171.0
72.5°	53.2	56.3	59.2	62.2	73.6	85.2	96.6	108.0	124.3	140.5	156.8
75°	44.6	47.4	50.2	53.0	63.3	73.5	83.8	93.9	108.7	123.6	138.4
77.5°	35.5	37.9	40.3	42.7	51.4	60.1	68.9	77.5	89.8	101.9	114.2
80°	26.3	28.4	30.5	32.6	39.3	46.0	52.7	59.4	69.0	78.6	88.1
82.5°	17.7	19.2	20.8	22.3	26.9	31.5	36.0	40.6	47.4	54.4	61.2
85°	10.0	10.9	11.6	12.3	14.4	16.3	18.4	20.3	23.7	27.2	30.5
87.5°	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.9
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	60.2	60.1	59.9	59.8	59.7	59.7	59.5	59.5	59.4	59.2	59.2
5°	57.6	57.3	57.0	56.6	56.3	56.0	55.9	55.6	55.3	55.3	55.2
7.5°	54.8	54.2	53.7	53.1	52.5	52.0	51.6	51.0	50.5	50.3	50.0
10°	51.7	50.9	50.0	49.1	48.2	47.4	46.6	45.6	44.7	44.2	43.8
12.5°	51.6	50.7	49.9	49.1	48.2	47.4	46.6	45.6	44.7	44.2	43.5
15°	53.1	52.4	51.7	50.9	50.2	49.5	48.8	47.9	47.2	46.7	46.0
17.5°	56.0	55.6	55.2	54.6	54.2	53.8	53.4	53.0	52.5	52.1	51.8
20°	61.0	61.0	61.0	61.0	61.0	61.5	61.9	62.2	62.6	63.0	63.3
22.5°	68.3	69.1	69.8	70.7	71.4	73.2	74.8	76.7	78.3	79.9	81.5
25°	76.7	79.0	81.4	83.6	86.0	90.0	94.1	98.0	102.0	105.2	108.4
27.5°	85.7	89.8	93.8	97.7	101.7	107.6	113.6	119.4	125.3	129.2	133.2
30°	93.8	99.2	104.7	110.0	115.4	122.5	129.8	136.9	144.0	148.2	152.3
32.5°	102.9	109.7	116.7	123.5	130.3	138.0	145.7	153.3	161.0	165.3	169.5
35°	111.6	120.3	128.9	137.4	146.1	154.3	162.7	170.9	179.1	183.6	188.0
37.5°	121.0	131.6	142.2	152.8	163.4	172.3	181.1	190.0	198.8	203.1	207.3
40°	132.4	144.5	156.8	168.9	181.1	190.7	200.3	209.9	219.5	223.8	228.3
42.5°	145.0	158.8	172.4	186.2	199.9	210.3	220.9	231.4	241.8	246.1	250.5
45°	158.9	174.5	190.3	205.9	221.5	232.3	243.2	253.9	264.8	269.4	273.9
47.5°	174.2	191.2	208.2	225.1	242.1	253.8	265.7	277.4	289.1	294.2	299.5
50°	188.9	207.4	225.9	244.5	263.0	275.3	287.5	299.8	312.1	316.9	321.7
52.5°	201.1	221.8	242.5	263.1	283.8	295.9	308.2	320.3	332.4	338.1	344.0
55°	211.9	232.6	253.5	274.3	295.1	308.3	321.7	334.9	348.2	353.6	359.2
57.5°	218.4	239.6	260.6	281.8	302.9	315.7	328.5	341.3	354.2	359.6	365.2
60°	219.5	241.0	262.5	283.8	305.2	317.2	329.1	341.1	352.9	359.6	366.3
62.5°	*220.1*	*239.9*	*259.7*	*279.5*	*299.2*	*313.3*	*327.4*	*341.5*	*355.6*	*362.2*	*369.1*
65°	215.1	234.9	254.5	274.3	294.0	307.3	320.6	334.0	347.2	351.4	355.6
67.5°	203.2	223.6	243.8	264.1	284.3	294.1	303.7	313.5	323.1	328.5	334.0
70°	188.7	207.4	226.2	244.9	263.6	273.2	282.9	292.6	302.2	308.7	315.4
72.5°	173.0	188.7	204.6	220.4	236.1	246.8	257.6	268.2	278.9	284.3	289.8
75°	153.2	166.8	180.4	194.0	207.5	216.7	225.8	235.0	244.1	248.7	253.3
77.5°	126.3	138.1	149.8	161.7	173.4	181.1	188.7	196.2	203.9	208.1	212.1
80°	97.7	107.2	116.7	126.0	135.5	142.2	148.9	155.4	162.1	165.3	168.5
82.5°	68.0	74.7	81.4	88.1	94.8	99.9	105.1	110.2	115.4	117.6	120.0
85°	33.9	37.6	41.4	45.0	48.8	52.4	56.0	59.5	63.1	64.7	66.2
87.5°	4.9	5.2	5.4	5.6	5.9	6.1	6.6	6.8	7.1	7.9	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	59.1	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.2	59.4	59.5
5°	55.2	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.3	55.3	55.6
7.5°	49.9	49.6	49.5	49.3	49.5	49.6	49.9	50.0	50.3	50.5	51.0
10°	43.2	42.7	42.7	42.5	42.7	42.7	43.2	43.8	44.2	44.7	45.6
12.5°	42.9	42.2	42.1	41.8	42.1	42.2	42.9	43.5	44.2	44.7	45.6
15°	45.4	44.7	44.6	44.3	44.6	44.7	45.4	46.0	46.7	47.2	47.9
17.5°	51.4	51.0	51.2	51.3	51.2	51.0	51.4	51.8	52.1	52.5	53.0
20°	63.7	64.0	64.0	63.8	64.0	64.0	63.7	63.3	63.0	62.6	62.2
22.5°	83.1	84.6	85.3	85.9	85.3	84.6	83.1	81.5	79.9	78.3	76.7
25°	111.5	114.7	115.3	115.8	115.3	114.7	111.5	108.4	105.2	102.0	98.0
27.5°	137.1	141.1	142.0	142.9	142.0	141.1	137.1	133.1	129.2	125.3	119.4
30°	156.4	160.6	161.1	161.5	161.1	160.6	156.4	152.2	148.2	144.0	136.9
32.5°	173.8	178.0	178.4	178.8	178.4	178.0	173.7	169.5	165.3	161.0	153.3
35°	192.3	196.8	196.8	196.7	196.8	196.8	192.3	187.9	183.6	179.1	170.9
37.5°	211.6	215.8	216.6	217.3	216.6	215.8	211.4	207.3	203.1	198.8	190.0
40°	232.6	236.9	237.4	237.6	237.4	236.9	232.6	228.2	223.8	219.5	209.9
42.5°	254.6	259.0	259.5	260.1	259.5	259.0	254.6	250.3	246.1	241.8	231.4
45°	278.5	282.9	283.1	283.1	283.1	282.9	278.3	273.9	269.4	264.8	253.9
47.5°	304.7	309.8	310.3	310.7	310.3	309.8	304.7	299.4	294.2	289.1	277.4
50°	326.6	331.3	332.3	333.1	332.3	331.3	326.4	321.7	316.9	312.1	299.8
52.5°	349.7	355.4	356.3	357.1	356.3	355.4	349.7	343.8	338.1	332.4	320.3
55°	364.6	370.1	371.6	373.0	371.6	370.1	364.6	359.0	353.6	348.2	334.9
57.5°	370.6	376.0	377.6	379.0	377.6	376.0	370.6	365.0	359.6	354.2	341.3
60°	372.8	379.5	380.9	382.3	380.9	379.5	372.8	366.1	359.6	352.9	341.1
62.5°	375.8	382.5	382.9	383.2	382.9	382.5	375.8	368.9	362.2	355.6	341.5
65°	359.6	363.8	364.3	364.8	364.3	363.8	359.6	355.4	351.4	347.2	334.0
67.5°	339.2	344.7	347.1	349.3	346.9	344.7	339.2	333.8	328.5	323.1	313.5
70°	322.0	328.5	329.8	330.9	329.8	328.5	322.0	315.3	308.7	302.2	292.6
72.5°	295.2	300.6	300.6	300.6	300.6	300.6	295.2	289.8	284.3	278.9	268.2
75°	257.9	262.5	262.6	262.7	262.6	262.5	257.9	253.3	248.7	244.1	235.0
77.5°	216.3	220.4	222.0	223.6	222.0	220.4	216.2	212.1	208.1	203.9	196.2
80°	171.7	174.9	176.0	177.2	176.0	174.9	171.7	168.5	165.3	162.1	155.4
82.5°	122.2	124.5	125.0	125.6	125.0	124.5	122.2	120.0	117.6	115.4	110.2
85°	67.6	69.1	69.7	70.1	69.7	69.1	67.6	66.2	64.7	63.1	59.5
87.5°	9.5	10.3	9.9	9.5	9.9	10.3	9.5	8.8	7.9	7.1	6.8
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	59.5	59.7	59.7	59.8	59.9	60.1	60.2	60.4	60.5	60.5	60.6
5°	55.9	56.0	56.3	56.6	57.0	57.3	57.6	58.0	58.4	58.7	59.1
7.5°	51.6	52.0	52.5	53.1	53.7	54.2	54.8	55.3	55.9	56.3	56.9
10°	46.6	47.4	48.2	49.1	50.0	50.9	51.7	52.4	53.1	53.8	54.5
12.5°	46.6	47.4	48.2	49.1	49.9	50.7	51.6	52.3	53.0	53.7	54.4
15°	48.8	49.5	50.2	50.9	51.7	52.4	53.1	53.8	54.6	55.3	56.0
17.5°	53.4	53.8	54.2	54.6	55.2	55.6	56.0	56.7	57.6	58.3	59.0
20°	61.9	61.5	61.0	61.0	61.0	61.0	61.0	61.6	62.2	62.7	63.3
22.5°	74.8	73.2	71.4	70.7	69.8	69.1	68.3	68.3	68.3	68.2	68.2
25°	94.1	90.0	86.0	83.6	81.3	79.0	76.7	75.8	75.0	74.0	73.2
27.5°	113.6	107.6	101.7	97.7	93.7	89.8	85.7	83.8	81.8	79.7	77.8
30°	129.8	122.5	115.4	110.0	104.5	99.2	93.8	90.7	87.8	84.9	81.8
32.5°	145.7	138.0	130.3	123.5	116.5	109.7	102.9	98.8	94.8	90.7	86.7
35°	162.7	154.3	146.1	137.4	128.8	120.3	111.6	106.6	101.7	96.9	91.9
37.5°	181.1	172.3	163.4	152.8	142.2	131.6	121.0	115.0	109.0	103.0	97.0
40°	200.3	190.7	181.1	168.9	156.7	144.5	132.4	124.6	116.9	109.1	101.3
42.5°	220.9	210.3	199.9	186.1	172.4	158.6	145.0	135.2	125.6	116.0	106.2
45°	243.2	232.3	221.5	205.9	190.1	174.5	158.9	147.3	135.8	124.0	112.5
47.5°	265.7	253.8	242.1	225.1	208.1	191.2	174.2	160.4	146.8	133.0	119.2
50°	287.5	275.3	263.0	244.5	225.9	207.4	188.9	172.7	156.7	140.5	124.3
52.5°	308.2	295.9	283.8	263.1	242.4	221.8	201.1	183.3	165.4	147.5	129.6
55°	321.7	308.3	295.1	274.3	253.4	232.6	211.9	192.6	173.4	154.0	134.8
57.5°	328.5	315.7	302.9	281.7	260.6	239.5	218.4	197.8	177.3	156.8	136.2
60°	329.1	317.2	305.2	283.8	262.3	241.0	219.5	198.5	177.6	156.5	135.5
62.5°	*327.4*	*313.3*	*299.2*	*279.5*	*259.7*	*239.9*	*220.1*	*198.8*	*177.6*	*156.2*	*134.9*
65°	320.6	307.3	294.0	274.2	254.5	234.7	215.1	193.9	172.7	151.5	130.3
67.5°	303.7	294.1	284.3	264.0	243.8	223.4	203.2	183.6	164.0	144.4	124.7
70°	282.9	273.2	263.6	244.9	226.1	207.4	188.7	170.9	153.2	135.5	117.6
72.5°	257.6	246.8	236.1	220.4	204.5	188.7	173.0	156.7	140.5	124.3	108.0
75°	225.8	216.7	207.5	193.9	180.4	166.7	153.2	138.4	123.6	108.7	93.9
77.5°	188.7	181.1	173.4	161.5	149.8	138.0	126.3	114.0	101.9	89.8	77.5
80°	148.9	142.2	135.5	126.0	116.5	107.2	97.7	88.1	78.6	69.0	59.4
82.5°	105.1	99.9	94.8	88.1	81.4	74.7	68.0	61.2	54.4	47.4	40.6
85°	56.0	52.4	48.8	45.0	41.3	37.6	33.9	30.5	27.2	23.7	20.3
87.5°	6.6	6.1	5.9	5.6	5.4	5.2	4.9	4.9	4.7	4.7	4.6
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	60.8	60.9	61.0	61.2	61.3	61.3	61.5	61.5	61.6	61.6	61.7
5°	59.5	59.8	60.2	60.5	60.8	61.0	61.2	61.5	61.6	61.9	62.0
7.5°	57.3	57.7	58.1	58.5	59.0	59.2	59.7	59.9	60.2	60.5	60.6
10°	55.1	55.6	56.0	56.6	57.0	57.3	57.7	58.0	58.3	58.5	58.8
12.5°	54.9	55.5	55.9	56.4	56.9	57.4	57.8	58.3	58.5	58.8	59.0
15°	56.7	57.3	58.0	58.5	59.0	59.4	59.8	60.2	60.5	60.6	60.9
17.5°	59.7	60.4	60.9	61.6	61.9	62.2	62.3	62.6	62.6	62.6	62.6
20°	63.7	64.1	64.5	65.0	64.8	64.7	64.4	64.3	64.0	63.7	63.4
22.5°	68.2	68.2	68.0	68.0	67.5	66.9	66.3	65.8	65.4	65.0	64.4
25°	72.6	72.1	71.4	70.8	70.1	69.3	68.6	67.7	67.2	66.8	66.2
27.5°	76.9	76.1	75.1	74.3	73.5	72.5	71.6	70.7	70.0	69.3	68.4
30°	81.0	80.1	79.2	78.3	77.1	76.0	74.7	73.5	72.3	71.2	70.0
32.5°	85.6	84.3	83.2	82.0	80.3	78.6	76.9	75.3	73.9	72.5	70.9
35°	90.0	88.2	86.4	84.6	82.8	81.0	79.0	77.2	75.7	74.1	72.6
37.5°	94.5	92.0	89.5	87.0	85.2	83.3	81.4	79.6	77.9	76.2	74.4
40°	98.4	95.6	92.7	89.8	87.8	86.0	84.0	82.1	80.1	78.2	76.2
42.5°	102.7	99.2	95.8	92.3	90.2	88.1	85.9	83.8	81.7	79.6	77.5
45°	108.2	103.7	99.4	94.9	92.7	90.3	88.1	85.7	83.5	81.4	79.2
47.5°	113.6	108.2	102.6	97.0	94.6	92.3	89.8	87.4	85.2	82.9	80.6
50°	117.8	111.4	104.8	98.3	95.9	93.4	91.0	88.5	86.1	83.8	81.3
52.5°	122.1	114.6	107.0	99.5	97.0	94.5	91.9	89.3	86.8	84.3	81.8
55°	126.0	117.2	108.3	99.5	96.9	94.1	91.4	88.6	86.1	83.5	81.0
57.5°	126.4	116.7	106.9	97.1	94.4	91.4	88.6	85.7	83.3	81.0	78.5
60°	125.0	114.4	104.0	93.4	90.3	87.4	84.3	81.3	79.3	77.5	75.5
62.5°	*123.5*	*112.1*	*100.5*	*89.1*	*86.0*	*82.9*	*79.9*	*76.8*	*75.1*	*73.6*	*71.9*
65°	118.5	106.6	94.8	82.9	80.3	77.5	74.8	72.1	70.2	68.4	66.5
67.5°	112.6	100.6	88.5	76.4	73.7	71.1	68.4	65.8	64.0	62.2	60.2
70°	105.8	93.8	82.0	70.0	67.0	64.1	61.2	58.3	56.7	55.3	53.8
72.5°	96.6	85.2	73.6	62.2	59.2	56.3	53.2	50.3	49.2	47.9	46.8
75°	83.8	73.5	63.3	53.0	50.2	47.4	44.6	41.8	41.0	40.1	39.2
77.5°	68.9	60.1	51.4	42.7	40.3	37.9	35.5	33.2	32.5	31.9	31.2
80°	52.7	46.0	39.3	32.6	30.5	28.4	26.3	24.3	23.8	23.3	22.9
82.5°	36.0	31.5	26.9	22.3	20.8	19.2	17.7	16.2	15.9	15.6	15.2
85°	18.4	16.3	14.4	12.3	11.6	10.9	10.0	9.3	9.1	8.9	8.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.3
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
5°	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.3
7.5°	60.9	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.2	61.2
10°	59.1	59.2	59.4	59.4	59.5	59.7	59.8	59.7	59.5	59.4	59.4
12.5°	59.2	59.4	59.4	59.5	59.5	59.7	59.7	59.7	59.5	59.5	59.4
15°	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
17.5°	62.6	62.4	62.4	62.3	62.2	62.2	62.2	62.2	62.2	62.3	62.4
20°	63.1	62.9	62.7	62.4	62.2	62.2	62.2	62.2	62.2	62.4	62.7
22.5°	64.0	63.7	63.3	63.0	62.6	62.6	62.4	62.6	62.6	63.0	63.3
25°	65.6	65.2	65.0	64.5	64.1	64.1	64.1	64.1	64.1	64.5	65.0
27.5°	67.7	67.3	66.9	66.3	65.9	65.8	65.6	65.8	65.9	66.3	66.9
30°	68.9	68.2	67.5	66.8	66.1	65.9	65.8	65.9	66.1	66.8	67.5
32.5°	69.6	68.7	68.0	67.2	66.3	66.2	65.9	66.2	66.3	67.2	68.0
35°	71.1	70.2	69.4	68.4	67.6	67.3	66.9	67.3	67.6	68.4	69.4
37.5°	72.8	71.8	70.8	69.7	68.7	68.3	67.9	68.3	68.7	69.7	70.8
40°	74.3	73.2	71.9	70.7	69.6	69.0	68.6	69.1	69.6	70.8	71.9
42.5°	75.4	74.1	73.0	71.8	70.5	70.0	69.4	70.0	70.5	71.8	73.0
45°	76.9	75.7	74.4	73.0	71.8	71.2	70.7	71.2	71.8	73.0	74.4
47.5°	78.3	76.9	75.5	74.0	72.6	72.1	71.6	72.2	72.6	74.0	75.5
50°	78.9	77.5	76.0	74.4	73.0	72.3	71.8	72.5	73.0	74.6	76.0
52.5°	79.3	77.8	76.1	74.4	72.9	72.2	71.5	72.2	72.9	74.6	76.1
55°	78.3	76.7	75.0	73.3	71.6	70.9	70.4	71.1	71.6	73.3	75.0
57.5°	76.1	74.7	73.2	71.6	70.2	69.6	68.9	69.6	70.2	71.8	73.2
60°	73.6	72.2	70.9	69.6	68.2	67.5	66.8	67.5	68.2	69.6	70.9
62.5°	*70.2*	*68.7*	*67.3*	*65.8*	*64.3*	*63.3*	*62.4*	*63.4*	*64.3*	*65.8*	*67.3*
65°	64.7	63.3	61.9	60.5	59.1	58.1	57.1	58.1	59.1	60.5	61.9
67.5°	58.4	57.3	56.2	54.9	53.8	53.0	52.1	53.0	53.8	54.9	56.2
70°	52.3	51.3	50.5	49.5	48.5	47.5	46.7	47.7	48.5	49.5	50.5
72.5°	45.6	44.7	43.8	42.8	42.0	41.0	40.1	41.1	42.0	42.9	43.8
75°	38.3	37.5	36.7	35.7	34.8	33.9	33.0	34.0	34.8	35.7	36.7
77.5°	30.5	29.7	28.9	27.9	27.0	26.2	25.4	26.2	27.0	27.9	28.9
80°	22.3	21.6	21.0	20.3	19.7	19.0	18.3	19.0	19.7	20.3	21.0
82.5°	14.9	14.2	13.7	13.0	12.3	11.4	10.6	11.4	12.3	13.0	13.7
85°	8.4	7.8	7.4	6.8	6.3	5.4	4.7	5.6	6.3	6.8	7.4
87.5°	4.3	3.8	3.3	2.8	2.2	1.5	1.0	1.7	2.2	2.8	3.3
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	61.7	61.7	61.7	61.6	61.6	61.5	61.5	61.3	61.3	61.2	61.0
5°	62.3	62.2	62.0	61.9	61.6	61.5	61.2	61.0	60.8	60.5	60.2
7.5°	61.0	60.9	60.6	60.5	60.2	59.9	59.7	59.2	59.0	58.5	58.1
10°	59.2	59.1	58.8	58.5	58.3	58.0	57.7	57.3	57.0	56.6	56.0
12.5°	59.4	59.2	59.0	58.8	58.5	58.3	57.8	57.4	56.9	56.4	55.9
15°	61.0	61.0	60.9	60.6	60.5	60.2	59.8	59.4	59.0	58.5	58.0
17.5°	62.4	62.6	62.6	62.6	62.6	62.6	62.3	62.2	61.9	61.6	60.9
20°	62.9	63.1	63.4	63.7	64.0	64.3	64.4	64.7	64.8	65.0	64.5
22.5°	63.7	64.0	64.4	65.0	65.4	65.8	66.3	66.9	67.5	68.0	68.0
25°	65.2	65.6	66.2	66.8	67.2	67.7	68.6	69.3	70.1	70.8	71.4
27.5°	67.3	67.7	68.4	69.3	70.0	70.7	71.6	72.5	73.5	74.3	75.1
30°	68.2	68.9	70.0	71.2	72.3	73.5	74.7	76.0	77.1	78.3	79.2
32.5°	68.7	69.6	70.9	72.5	73.9	75.3	76.9	78.6	80.3	82.0	83.2
35°	70.2	71.1	72.6	74.1	75.7	77.2	79.0	81.0	82.8	84.6	86.4
37.5°	71.8	72.8	74.4	76.2	77.9	79.6	81.4	83.3	85.2	87.0	89.5
40°	73.2	74.3	76.2	78.2	80.1	82.1	84.0	86.0	87.8	89.8	92.7
42.5°	74.1	75.4	77.5	79.6	81.7	83.8	85.9	88.1	90.2	92.3	95.8
45°	75.7	76.9	79.2	81.4	83.5	85.7	88.1	90.3	92.7	94.9	99.4
47.5°	76.9	78.3	80.6	82.9	85.2	87.4	89.8	92.3	94.6	97.0	102.6
50°	77.5	78.9	81.3	83.8	86.1	88.5	91.0	93.4	95.9	98.3	104.8
52.5°	77.8	79.3	81.8	84.3	86.8	89.3	91.9	94.5	97.0	99.5	107.0
55°	76.7	78.3	81.0	83.5	86.1	88.6	91.4	94.1	96.9	99.5	108.3
57.5°	74.7	76.1	78.5	81.0	83.3	85.7	88.6	91.4	94.4	97.1	106.9
60°	72.2	73.6	75.5	77.5	79.3	81.3	84.3	87.4	90.3	93.4	104.0
62.5°	*68.7*	*70.2*	*71.9*	*73.6*	*75.1*	*76.8*	*79.9*	*82.9*	*86.0*	*89.1*	*100.5*
65°	63.3	64.7	66.5	68.4	70.2	72.1	74.8	77.5	80.3	82.9	94.8
67.5°	57.3	58.4	60.2	62.2	64.0	65.8	68.4	71.1	73.7	76.4	88.5
70°	51.3	52.3	53.8	55.3	56.7	58.3	61.2	64.1	67.0	70.0	82.0
72.5°	44.7	45.6	46.8	47.9	49.2	50.3	53.2	56.3	59.2	62.2	73.6
75°	37.5	38.3	39.2	40.1	41.0	41.8	44.6	47.4	50.2	53.0	63.3
77.5°	29.7	30.5	31.2	31.9	32.5	33.2	35.5	37.9	40.3	42.7	51.4
80°	21.6	22.3	22.9	23.3	23.8	24.3	26.3	28.4	30.5	32.6	39.3
82.5°	14.2	14.9	15.2	15.6	15.9	16.2	17.7	19.2	20.8	22.3	26.9
85°	7.8	8.4	8.6	8.9	9.1	9.3	10.0	10.9	11.6	12.3	14.4
87.5°	3.8	4.3	4.3	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	60.9	60.8	60.6	60.5	60.5	60.4	60.2	60.1	59.9	59.8	59.7
5°	59.8	59.5	59.1	58.7	58.4	58.0	57.6	57.3	57.0	56.6	56.3
7.5°	57.7	57.3	56.9	56.3	55.9	55.3	54.8	54.2	53.7	53.1	52.5
10°	55.6	55.1	54.5	53.8	53.1	52.4	51.7	50.9	50.0	49.1	48.2
12.5°	55.5	54.9	54.4	53.7	53.0	52.3	51.6	50.7	49.9	49.1	48.2
15°	57.3	56.7	56.0	55.3	54.6	53.8	53.1	52.4	51.7	50.9	50.2
17.5°	60.4	59.7	59.0	58.3	57.6	56.7	56.0	55.6	55.2	54.6	54.2
20°	64.1	63.7	63.3	62.7	62.2	61.6	61.0	61.0	61.0	61.0	61.0
22.5°	68.2	68.2	68.2	68.2	68.3	68.3	68.3	69.1	69.8	70.7	71.4
25°	72.1	72.6	73.2	74.0	75.0	75.8	76.7	79.0	81.4	83.6	86.0
27.5°	76.1	76.9	77.8	79.7	81.8	83.8	85.7	89.8	93.8	97.7	101.7
30°	80.1	81.0	81.8	84.9	87.8	90.9	93.8	99.2	104.7	110.0	115.4
32.5°	84.3	85.6	86.7	90.7	94.8	98.8	102.9	109.7	116.7	123.5	130.3
35°	88.2	90.0	91.9	96.9	101.7	106.8	111.6	120.3	128.9	137.4	146.1
37.5°	92.0	94.5	97.0	103.0	109.0	115.0	121.0	131.6	142.2	152.8	163.4
40°	95.6	98.4	101.3	109.1	116.9	124.6	132.4	144.5	156.8	168.9	181.1
42.5°	99.2	102.7	106.2	116.0	125.6	135.3	145.0	158.8	172.4	186.2	199.9
45°	103.7	108.2	112.5	124.0	135.8	147.3	158.9	174.5	190.3	205.9	221.5
47.5°	108.2	113.6	119.2	133.0	146.8	160.4	174.2	191.2	208.2	225.1	242.1
50°	111.4	117.8	124.3	140.5	156.7	172.7	188.9	207.4	225.9	244.5	263.0
52.5°	114.6	122.1	129.6	147.5	165.4	183.3	201.1	221.8	242.5	263.1	283.8
55°	117.2	126.0	134.8	154.0	173.4	192.6	211.9	232.6	253.5	274.3	295.1
57.5°	116.7	126.4	136.2	156.8	177.3	197.9	218.4	239.6	260.6	281.8	302.9
60°	114.4	125.0	135.5	156.5	177.6	198.5	219.5	241.0	262.5	283.8	305.2
62.5°	*112.1*	*123.5*	*134.9*	*156.2*	*177.6*	*198.8*	*220.1*	*239.9*	*259.7*	*279.5*	*299.2*
65°	106.6	118.5	130.3	151.5	172.7	193.9	215.1	234.9	254.5	274.3	294.0
67.5°	100.6	112.6	124.7	144.4	164.0	183.6	203.2	223.6	243.8	264.1	284.3
70°	93.8	105.8	117.6	135.5	153.2	171.0	188.7	207.4	226.2	244.9	263.6
72.5°	85.2	96.6	108.0	124.3	140.5	156.8	173.0	188.7	204.6	220.4	236.1
75°	73.5	83.8	93.9	108.7	123.6	138.4	153.2	166.8	180.4	194.0	207.5
77.5°	60.1	68.9	77.5	89.8	101.9	114.2	126.3	138.1	149.8	161.7	173.4
80°	46.0	52.7	59.4	69.0	78.6	88.1	97.7	107.2	116.7	126.0	135.5
82.5°	31.5	36.0	40.6	47.4	54.4	61.2	68.0	74.7	81.4	88.1	94.8
85°	16.3	18.4	20.3	23.7	27.2	30.5	33.9	37.6	41.4	45.0	48.8
87.5°	4.6	4.6	4.6	4.7	4.7	4.9	4.9	5.2	5.4	5.6	5.9
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	59.7	59.5	59.5	59.4	59.2	59.2	59.1	59.0	59.0	59.0	59.0
5°	56.0	55.9	55.6	55.3	55.3	55.2	55.2	55.1	55.1	55.1	55.1
7.5°	52.0	51.6	51.0	50.5	50.3	50.0	49.9	49.6	49.5	49.3	49.5
10°	47.4	46.6	45.6	44.7	44.2	43.8	43.2	42.7	42.7	42.5	42.7
12.5°	47.4	46.6	45.6	44.7	44.2	43.5	42.9	42.2	42.1	41.8	42.1
15°	49.5	48.8	47.9	47.2	46.7	46.0	45.4	44.7	44.6	44.3	44.6
17.5°	53.8	53.4	53.0	52.5	52.1	51.8	51.4	51.0	51.2	51.3	51.2
20°	61.5	61.9	62.2	62.6	62.9	63.3	63.6	64.0	64.0	63.8	64.0
22.5°	73.2	74.8	76.5	78.3	79.9	81.5	83.1	84.6	85.2	85.9	85.3
25°	90.0	94.1	98.0	102.0	105.2	108.4	111.5	114.7	115.3	115.8	115.3
27.5°	107.6	113.6	119.4	125.3	129.2	133.2	137.1	141.1	141.9	142.9	142.0
30°	122.5	129.8	136.9	144.0	148.2	152.3	156.4	160.6	161.0	161.5	161.1
32.5°	138.0	145.7	153.3	161.0	165.2	169.5	173.7	178.0	178.4	178.8	178.4
35°	154.3	162.7	170.9	179.1	183.6	188.0	192.3	196.8	196.8	196.7	196.8
37.5°	172.3	181.1	189.8	198.8	202.9	207.3	211.4	215.8	216.5	217.3	216.6
40°	190.7	200.3	209.9	219.5	223.8	228.3	232.6	236.9	237.2	237.6	237.4
42.5°	210.3	220.9	231.4	241.8	246.1	250.5	254.6	259.0	259.5	260.1	259.5
45°	232.3	243.2	253.9	264.8	269.3	273.9	278.3	282.9	283.1	283.1	283.1
47.5°	253.8	265.7	277.4	289.1	294.2	299.5	304.7	309.8	310.3	310.7	310.3
50°	275.3	287.5	299.8	312.1	316.8	321.7	326.4	331.3	332.1	333.1	332.3
52.5°	295.9	308.2	320.3	332.4	338.1	344.0	349.7	355.4	356.3	357.1	356.3
55°	308.3	321.7	334.9	348.2	353.6	359.2	364.6	370.1	371.4	373.0	371.6
57.5°	315.7	328.5	341.3	354.2	359.6	365.2	370.6	376.0	377.4	379.0	377.6
60°	317.2	329.1	340.9	352.9	359.6	366.3	372.8	379.5	380.9	382.3	380.9
62.5°	*313.3*	*327.4*	*341.5*	*355.6*	*362.2*	*369.1*	*375.8*	*382.5*	*382.7*	*383.2*	*382.9*
65°	307.3	320.6	333.8	347.2	351.4	355.6	359.6	363.8	364.2	364.8	364.3
67.5°	294.1	303.7	313.3	323.1	328.5	334.0	339.2	344.7	346.9	349.3	347.1
70°	273.2	282.9	292.6	302.2	308.7	315.4	322.0	328.5	329.6	330.9	329.8
72.5°	246.8	257.6	268.2	278.9	284.3	289.8	295.2	300.6	300.6	300.6	300.6
75°	216.7	225.8	234.9	244.1	248.7	253.3	257.9	262.5	262.6	262.7	262.6
77.5°	181.1	188.7	196.2	203.9	208.0	212.1	216.2	220.4	221.9	223.6	222.0
80°	142.2	148.9	155.4	162.1	165.3	168.5	171.7	174.9	176.0	177.2	176.0
82.5°	99.9	105.1	110.2	115.4	117.6	120.0	122.2	124.5	125.0	125.6	125.0
85°	52.4	56.0	59.5	63.1	64.7	66.2	67.6	69.1	69.6	70.1	69.7
87.5°	6.1	6.6	6.8	7.1	7.9	8.8	9.5	10.3	9.9	9.5	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	59.0	59.1	59.2	59.2	59.4	59.5	59.5	59.7	59.7	59.8	59.9
5°	55.1	55.2	55.2	55.3	55.3	55.6	55.9	56.0	56.3	56.6	57.0
7.5°	49.6	49.9	50.0	50.3	50.5	51.0	51.6	52.0	52.5	53.1	53.7
10°	42.7	43.2	43.8	44.2	44.7	45.6	46.6	47.4	48.2	49.1	50.0
12.5°	42.2	42.9	43.5	44.2	44.7	45.6	46.6	47.4	48.2	49.1	49.9
15°	44.7	45.4	46.0	46.7	47.2	47.9	48.8	49.5	50.2	50.9	51.7
17.5°	51.0	51.4	51.8	52.1	52.5	53.0	53.4	53.8	54.2	54.6	55.2
20°	64.0	63.6	63.3	62.9	62.6	62.2	61.9	61.5	61.0	61.0	61.0
22.5°	84.6	83.1	81.5	79.9	78.3	76.5	74.8	73.0	71.4	70.5	69.8
25°	114.7	111.5	108.4	105.2	102.0	98.0	94.1	90.0	86.0	83.6	81.4
27.5°	141.1	137.1	133.2	129.2	125.3	119.4	113.6	107.6	101.7	97.7	93.8
30°	160.6	156.4	152.3	148.2	144.0	136.9	129.8	122.5	115.4	110.0	104.7
32.5°	178.0	173.7	169.5	165.2	161.0	153.3	145.7	138.0	130.3	123.5	116.7
35°	196.8	192.3	188.0	183.6	179.1	170.9	162.7	154.3	146.1	137.4	128.9
37.5°	215.8	211.4	207.3	202.9	198.8	189.8	181.1	172.1	163.4	152.8	142.2
40°	236.9	232.6	228.3	223.8	219.5	209.9	200.3	190.7	181.1	168.9	156.8
42.5°	259.0	254.6	250.5	246.1	241.8	231.4	220.9	210.3	199.9	186.1	172.4
45°	282.9	278.3	273.9	269.3	264.8	253.9	243.2	232.3	221.5	205.9	190.3
47.5°	309.8	304.7	299.5	294.2	289.1	277.4	265.7	253.8	242.1	225.1	208.2
50°	331.3	326.4	321.7	316.8	312.1	299.8	287.5	275.3	263.0	244.5	225.9
52.5°	355.4	349.7	344.0	338.1	332.4	320.3	308.2	295.9	283.8	263.1	242.5
55°	370.1	364.6	359.2	353.6	348.2	334.9	321.7	308.3	295.1	274.3	253.5
57.5°	376.0	370.6	365.2	359.6	354.2	341.3	328.5	315.7	302.9	281.7	260.6
60°	379.5	372.8	366.3	359.6	352.9	340.9	329.1	317.1	305.2	283.8	262.5
62.5°	*382.5*	*375.8*	*369.1*	*362.2*	*355.6*	*341.5*	*327.4*	*313.3*	*299.2*	*279.5*	*259.7*
65°	363.8	359.6	355.6	351.4	347.2	333.8	320.6	307.2	294.0	274.2	254.5
67.5°	344.7	339.2	334.0	328.5	323.1	313.3	303.7	294.0	284.3	264.0	243.8
70°	328.5	322.0	315.4	308.7	302.2	292.6	282.9	273.2	263.6	244.9	226.2
72.5°	300.6	295.2	289.8	284.3	278.9	268.2	257.6	246.8	236.1	220.4	204.6
75°	262.5	257.9	253.3	248.7	244.1	234.9	225.8	216.6	207.5	193.9	180.4
77.5°	220.4	216.2	212.1	208.0	203.9	196.2	188.7	181.1	173.4	161.5	149.8
80°	174.9	171.7	168.5	165.3	162.1	155.4	148.9	142.2	135.5	126.0	116.7
82.5°	124.5	122.2	120.0	117.6	115.4	110.2	105.1	99.9	94.8	88.1	81.4
85°	69.1	67.6	66.2	64.7	63.1	59.5	56.0	52.4	48.8	45.0	41.4
87.5°	10.3	9.5	8.8	7.9	7.1	6.8	6.6	6.1	5.9	5.6	5.4
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	60.1	60.2	60.4	60.5	60.5	60.6	60.8	60.9	61.0	61.2	61.3
5°	57.3	57.6	58.0	58.4	58.7	59.1	59.5	59.8	60.2	60.5	60.8
7.5°	54.2	54.8	55.3	55.9	56.3	56.9	57.3	57.7	58.1	58.5	59.0
10°	50.9	51.7	52.4	53.1	53.8	54.5	55.1	55.6	56.0	56.6	57.0
12.5°	50.7	51.6	52.3	53.0	53.7	54.4	54.9	55.5	55.9	56.4	56.9
15°	52.4	53.1	53.8	54.6	55.3	56.0	56.7	57.3	58.0	58.5	59.0
17.5°	55.6	56.0	56.7	57.6	58.3	59.0	59.7	60.4	60.9	61.6	61.9
20°	61.0	61.0	61.6	62.2	62.7	63.3	63.7	64.1	64.5	65.0	64.8
22.5°	69.1	68.3	68.3	68.3	68.2	68.2	68.2	68.2	68.0	68.0	67.5
25°	79.0	76.7	75.8	75.0	74.0	73.2	72.6	72.1	71.4	70.8	70.1
27.5°	89.8	85.7	83.8	81.8	79.7	77.8	76.9	76.1	75.1	74.3	73.5
30°	99.2	93.8	90.9	87.8	84.9	81.8	81.0	80.1	79.2	78.3	77.1
32.5°	109.7	102.9	98.8	94.8	90.7	86.7	85.6	84.3	83.2	82.0	80.3
35°	120.3	111.6	106.8	101.7	96.9	91.9	90.0	88.2	86.4	84.6	82.8
37.5°	131.6	121.0	115.0	109.0	103.0	97.0	94.5	92.0	89.5	87.0	85.2
40°	144.5	132.4	124.6	116.9	109.1	101.3	98.4	95.6	92.7	89.8	87.8
42.5°	158.8	145.0	135.3	125.6	116.0	106.2	102.7	99.2	95.8	92.3	90.2
45°	174.5	158.9	147.3	135.8	124.0	112.5	108.2	103.7	99.4	94.9	92.7
47.5°	191.2	174.2	160.4	146.8	133.0	119.2	113.6	108.2	102.6	97.0	94.6
50°	207.4	188.9	172.7	156.7	140.5	124.3	117.8	111.4	104.8	98.3	95.9
52.5°	221.8	201.1	183.3	165.4	147.5	129.6	122.1	114.6	107.0	99.5	97.0
55°	232.6	211.9	192.6	173.4	154.0	134.8	126.0	117.2	108.3	99.5	96.9
57.5°	239.6	218.4	197.9	177.3	156.8	136.2	126.4	116.7	106.9	97.1	94.4
60°	241.0	219.5	198.5	177.6	156.5	135.5	125.0	114.4	104.0	93.4	90.3
62.5°	*239.9*	*220.1*	*198.8*	*177.6*	*156.2*	*134.9*	*123.5*	*112.1*	*100.5*	*89.1*	*86.0*
65°	234.9	215.1	193.9	172.7	151.5	130.3	118.5	106.6	94.8	82.9	80.3
67.5°	223.6	203.2	183.6	164.0	144.4	124.7	112.6	100.6	88.5	76.4	73.7
70°	207.4	188.7	171.0	153.2	135.5	117.6	105.8	93.8	82.0	70.0	67.0
72.5°	188.7	173.0	156.8	140.5	124.3	108.0	96.6	85.2	73.6	62.2	59.2
75°	166.8	153.2	138.4	123.6	108.7	93.9	83.8	73.5	63.3	53.0	50.2
77.5°	138.1	126.3	114.2	101.9	89.8	77.5	68.9	60.1	51.4	42.7	40.3
80°	107.2	97.7	88.1	78.6	69.0	59.4	52.7	46.0	39.3	32.6	30.5
82.5°	74.7	68.0	61.2	54.4	47.4	40.6	36.0	31.5	26.9	22.3	20.8
85°	37.6	33.9	30.5	27.2	23.7	20.3	18.4	16.3	14.4	12.3	11.6
87.5°	5.2	4.9	4.9	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.6
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	61.3	61.5	61.5	61.6	61.6	61.7	61.7	61.7	61.9	61.9	61.9
5°	60.9	61.2	61.5	61.6	61.9	62.0	62.2	62.3	62.3	62.4	62.4
7.5°	59.2	59.7	59.9	60.2	60.4	60.6	60.9	61.0	61.2	61.2	61.3
10°	57.3	57.7	58.0	58.3	58.5	58.8	59.1	59.2	59.4	59.4	59.5
12.5°	57.3	57.8	58.3	58.5	58.7	59.0	59.2	59.4	59.4	59.5	59.5
15°	59.4	59.8	60.2	60.5	60.6	60.9	61.0	61.0	61.2	61.2	61.2
17.5°	62.0	62.3	62.6	62.6	62.6	62.6	62.6	62.4	62.4	62.3	62.2
20°	64.7	64.4	64.3	64.0	63.7	63.4	63.1	62.9	62.7	62.4	62.2
22.5°	66.9	66.3	65.8	65.4	65.0	64.4	64.0	63.7	63.3	63.0	62.6
25°	69.3	68.6	67.7	67.2	66.8	66.2	65.6	65.2	65.0	64.5	64.1
27.5°	72.5	71.6	70.7	70.0	69.3	68.4	67.7	67.3	66.9	66.3	65.9
30°	76.0	74.7	73.5	72.3	71.2	70.0	68.9	68.2	67.5	66.8	66.1
32.5°	78.6	76.9	75.3	73.9	72.5	70.9	69.6	68.7	68.0	67.2	66.3
35°	81.0	79.0	77.2	75.7	74.1	72.6	71.1	70.2	69.4	68.4	67.6
37.5°	83.3	81.4	79.6	77.9	76.2	74.4	72.8	71.8	70.8	69.7	68.7
40°	86.0	84.0	82.1	80.1	78.2	76.2	74.3	73.2	71.9	70.8	69.6
42.5°	88.1	85.9	83.8	81.7	79.6	77.5	75.4	74.1	73.0	71.8	70.5
45°	90.3	88.1	85.7	83.5	81.4	79.2	76.9	75.7	74.4	73.0	71.8
47.5°	92.3	89.8	87.4	85.2	82.9	80.6	78.3	76.9	75.5	74.0	72.6
50°	93.4	91.0	88.5	86.1	83.8	81.3	78.9	77.5	76.0	74.6	73.0
52.5°	94.5	91.9	89.3	86.8	84.3	81.8	79.3	77.8	76.1	74.6	72.9
55°	94.1	91.4	88.6	86.1	83.5	81.0	78.3	76.7	75.0	73.3	71.6
57.5°	91.4	88.6	85.7	83.3	81.0	78.5	76.1	74.7	73.2	71.8	70.2
60°	87.4	84.3	81.3	79.3	77.5	75.5	73.6	72.2	70.9	69.6	68.2
62.5°	*82.9*	*79.9*	*76.8*	*75.1*	*73.6*	*71.9*	*70.2*	*68.7*	*67.3*	*65.8*	*64.3*
65°	77.5	74.8	72.1	70.2	68.4	66.5	64.7	63.3	61.9	60.5	59.1
67.5°	71.1	68.4	65.8	64.0	62.2	60.2	58.4	57.3	56.2	54.9	53.8
70°	64.1	61.2	58.3	56.7	55.3	53.8	52.3	51.3	50.5	49.5	48.5
72.5°	56.3	53.2	50.3	49.2	47.9	46.8	45.6	44.7	43.8	42.9	42.0
75°	47.4	44.6	41.8	41.0	40.1	39.2	38.3	37.5	36.7	35.7	34.8
77.5°	37.9	35.5	33.2	32.5	31.9	31.2	30.5	29.7	28.9	27.9	27.0
80°	28.4	26.3	24.3	23.8	23.3	22.9	22.3	21.6	21.0	20.3	19.7
82.5°	19.2	17.7	16.2	15.9	15.6	15.2	14.9	14.2	13.7	13.0	12.3
85°	10.9	10.0	9.3	9.1	8.9	8.6	8.4	7.8	7.4	6.8	6.3
87.5°	4.6	4.5	4.5	4.5	4.5	4.3	4.3	3.8	3.3	2.8	2.2
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	61.2	61.2
2.5°	61.9	61.9
5°	62.4	62.4
7.5°	61.3	61.3
10°	59.7	59.8
12.5°	59.7	59.7
15°	61.2	61.2
17.5°	62.2	62.2
20°	62.2	62.2
22.5°	62.6	62.4
25°	64.1	64.1
27.5°	65.8	65.6
30°	65.9	65.8
32.5°	66.2	65.9
35°	67.3	66.9
37.5°	68.3	67.9
40°	69.1	68.6
42.5°	70.0	69.4
45°	71.2	70.7
47.5°	72.2	71.6
50°	72.5	71.8
52.5°	72.2	71.5
55°	71.1	70.4
57.5°	69.6	68.9
60°	67.5	66.8
62.5°	*63.4*	*62.4*
65°	58.1	57.1
67.5°	53.0	52.1
70°	47.7	46.7
72.5°	41.1	40.1
75°	34.0	33.0
77.5°	26.2	25.4
80°	19.0	18.3
82.5°	11.4	10.6
85°	5.6	4.7
87.5°	1.7	1.0
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: P1445193
CATALOG NUMBER: TPTN-VA0-735-U-RW-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-1

Test Date: 11/15/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

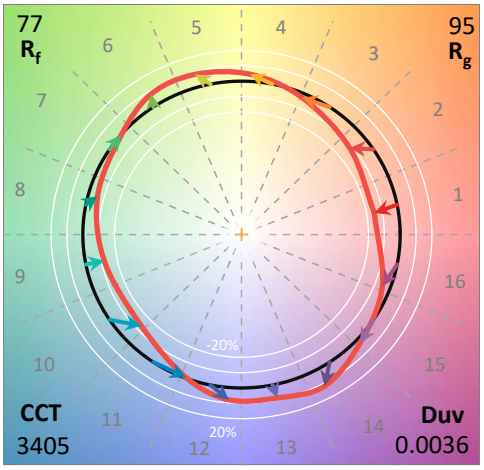
Test Information

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

Spectral Parameters

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

Rf:	76.6
Rg:	95.4



Test Conditions

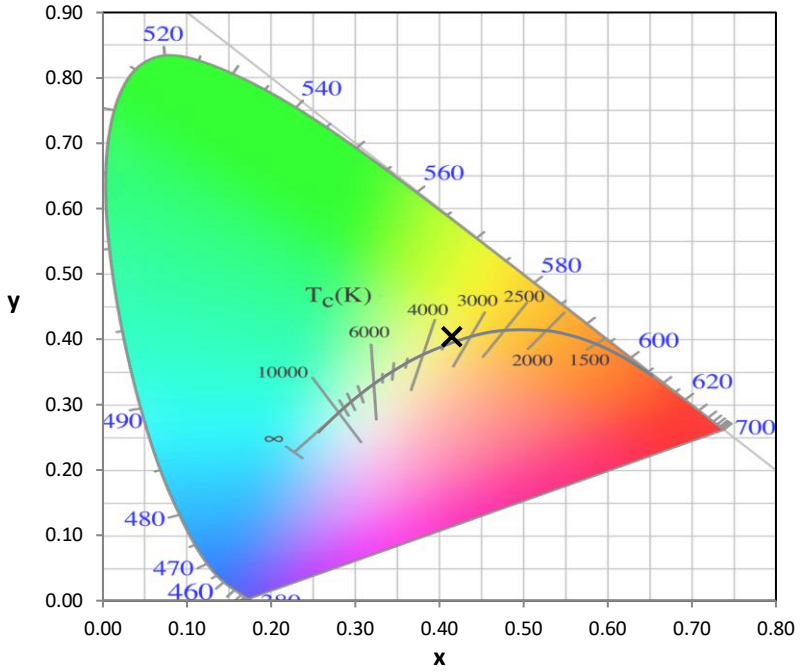
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2411-284-1

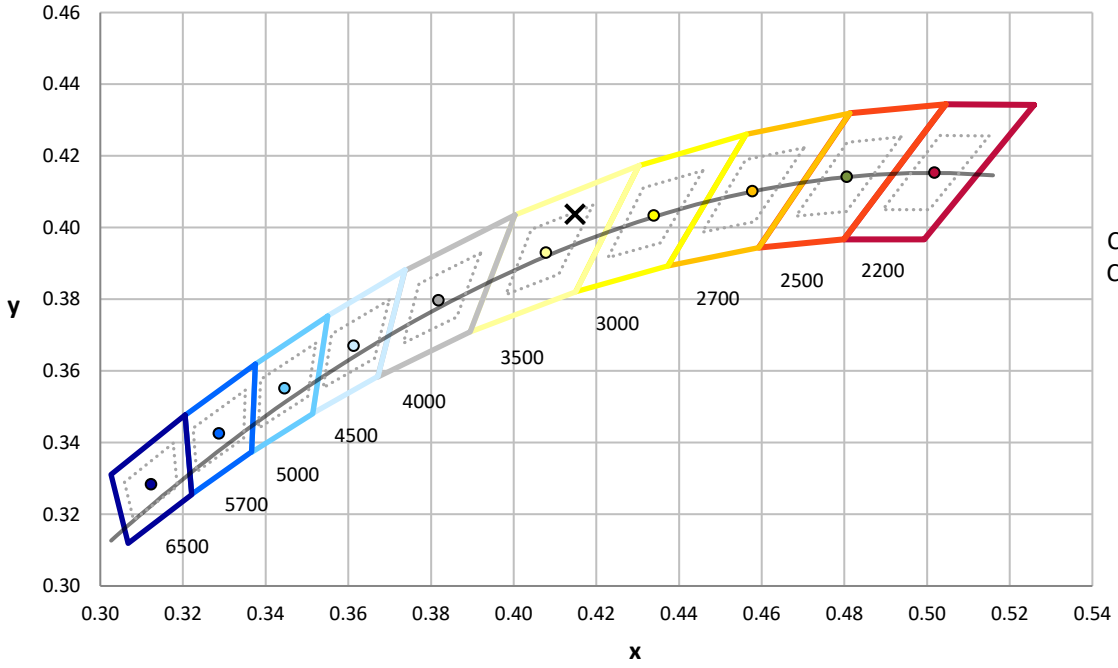
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2411-284-1

CIE 1931 Chromaticity Diagram



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

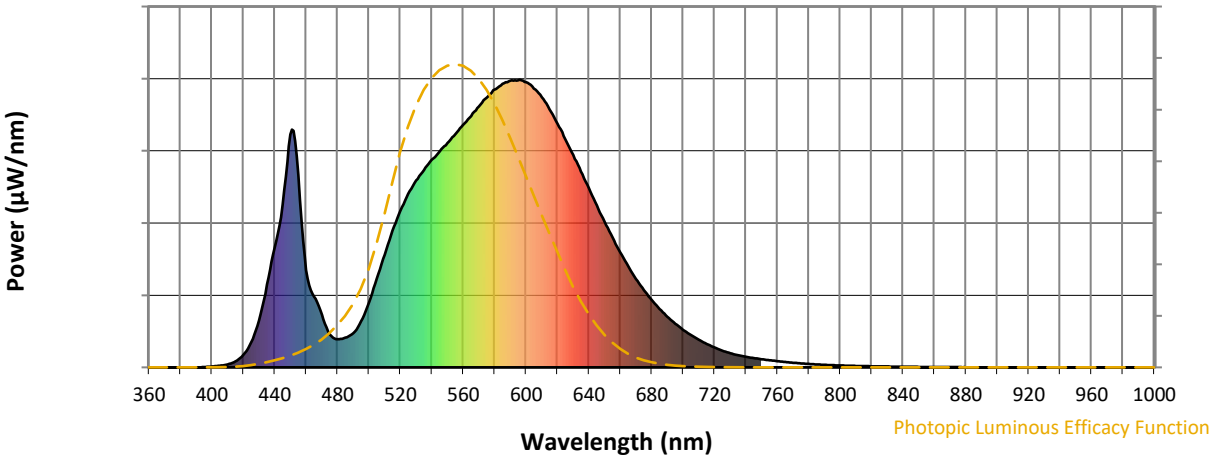


CCT = 3405K
CIE x = 0.4148
CIE y = 0.4038
Duv = 0.0036

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-1

Photopic Flux vs. Wavelength

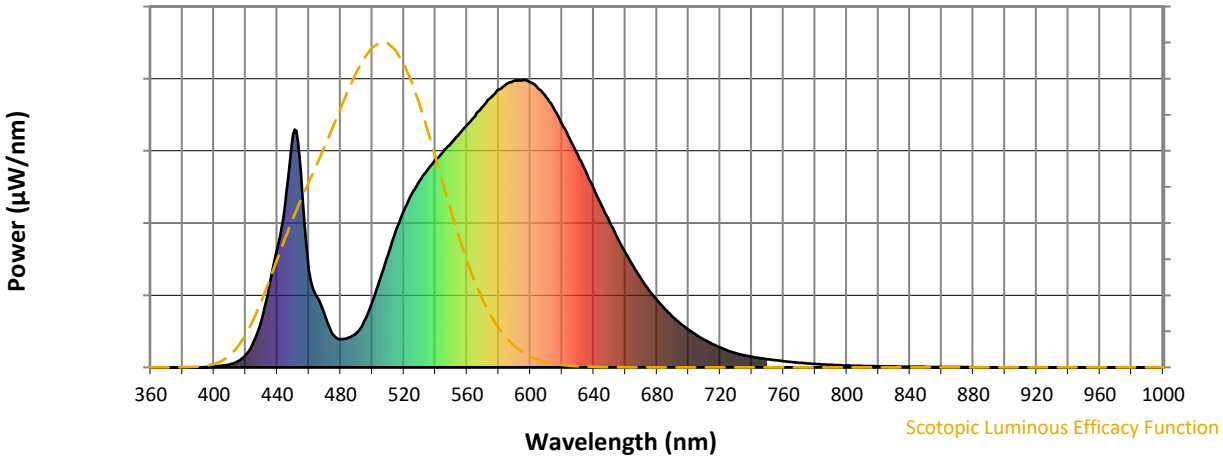


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2411-284-1

Scotopic Flux vs. Wavelength

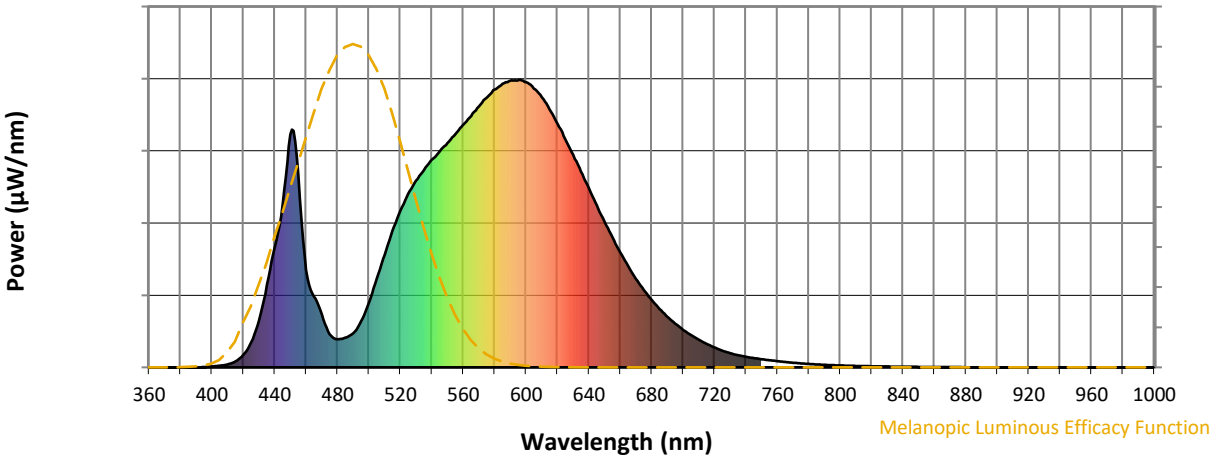


Scotopic Lumens: NR **S/P: 1.33**

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

REPORT NUMBER: SP1-2411-284-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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

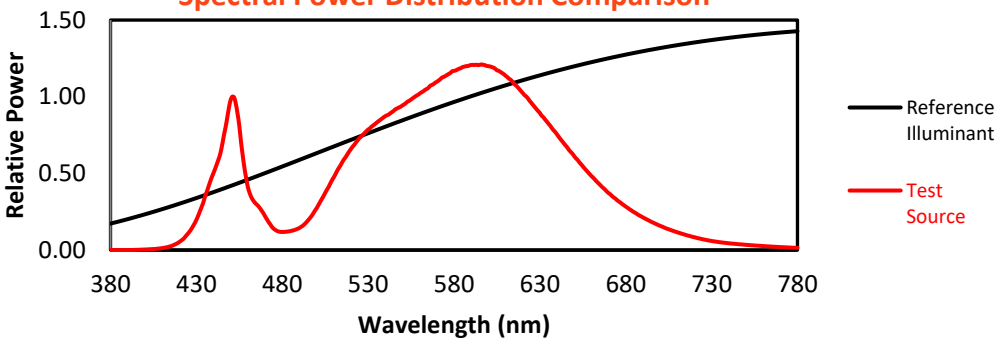
REPORT NUMBER: SP1-2411-284-1

TM-30-18

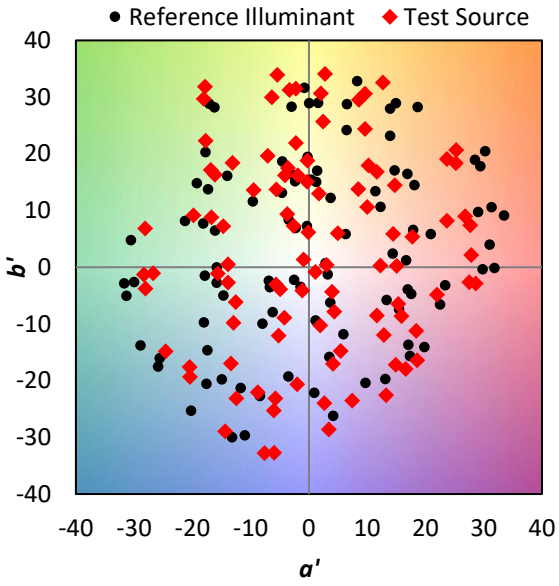
Summary

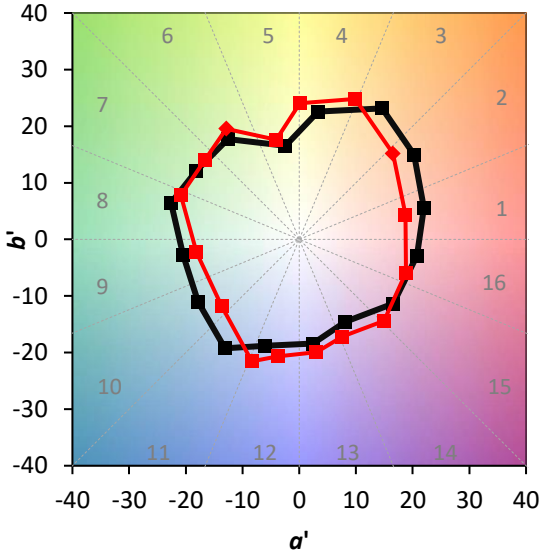
R_f = 76.6
R_g = 95.4
CIE R_a = 73.9
R_9 = -18.0

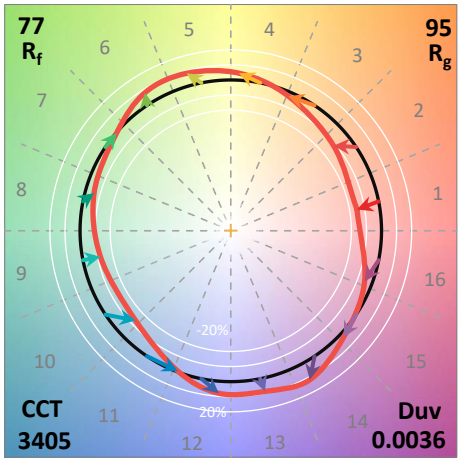
Spectral Power Distribution Comparison

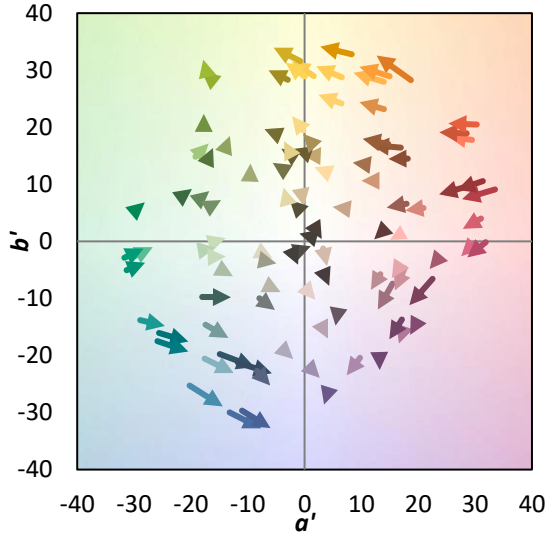


Color Vector Graphics







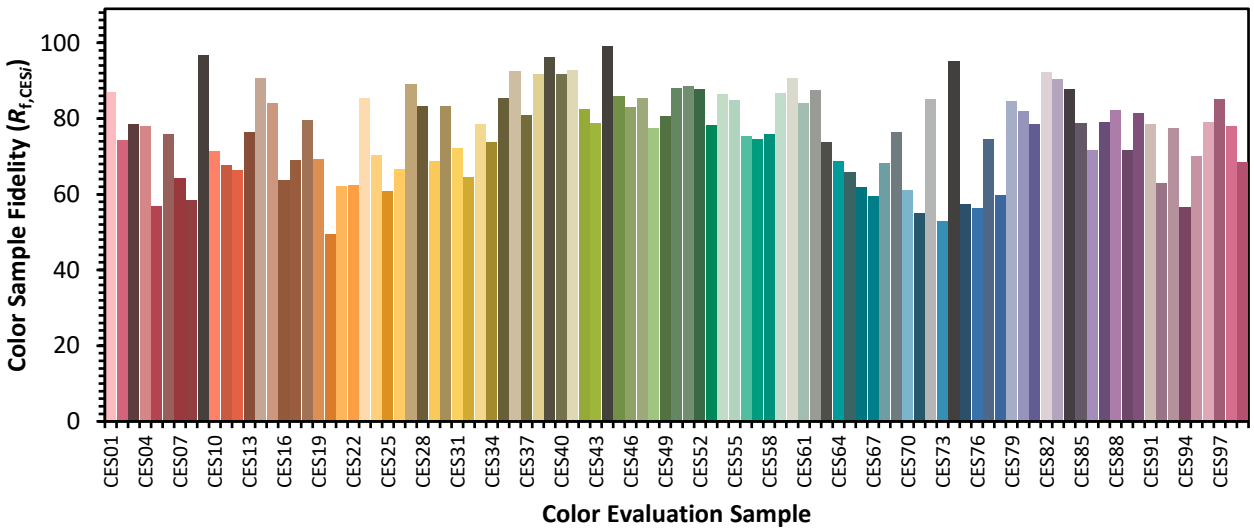


REPORT NUMBER: SP1-2411-284-1

TM-30-18

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

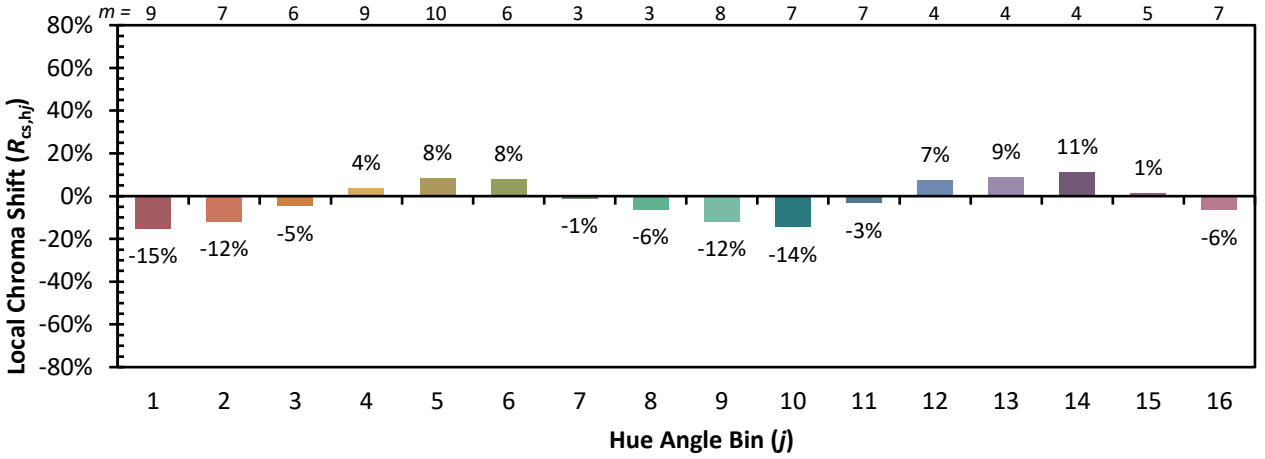
CES01 = 86	CES26 = 67	CES51 = 88	CES76 = 56
CES02 = 62	CES27 = 89	CES52 = 88	CES77 = 75
CES03 = 31	CES28 = 83	CES53 = 78	CES78 = 60
CES04 = 70	CES29 = 69	CES54 = 86	CES79 = 85
CES05 = 48	CES30 = 83	CES55 = 85	CES80 = 82
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 78
CES07 = 41	CES32 = 65	CES57 = 75	CES82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

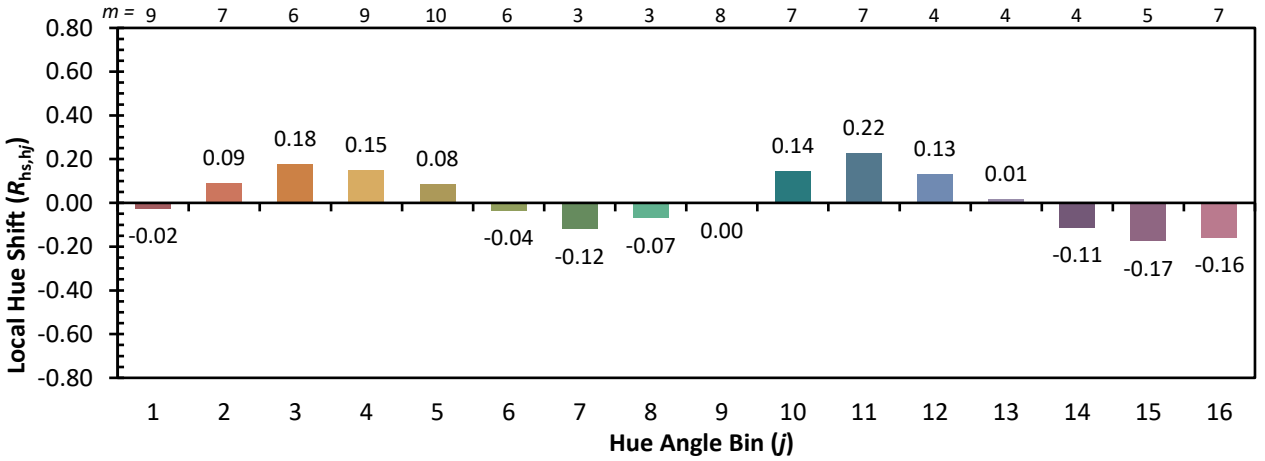


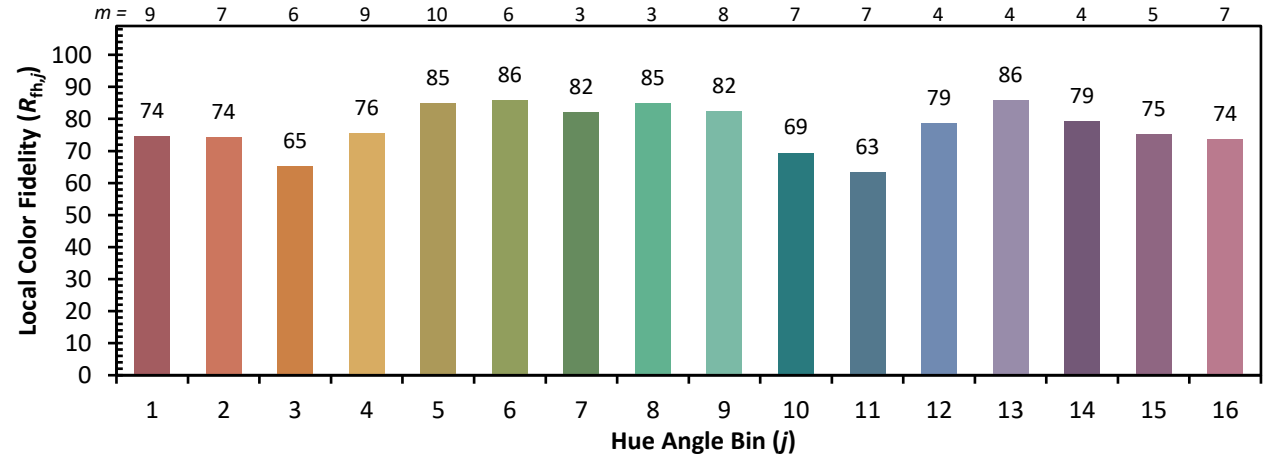
REPORT NUMBER: SP1-2411-284-1

TM-30-18

Color Rendition by Hue-Angle Bin



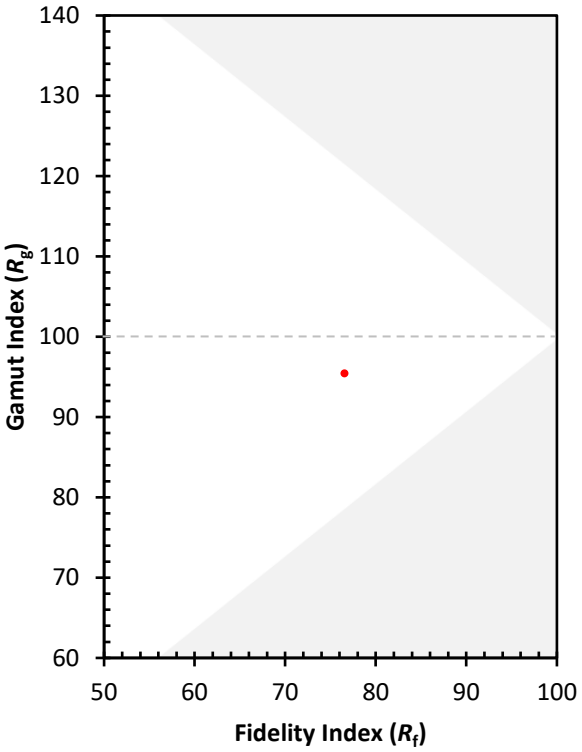


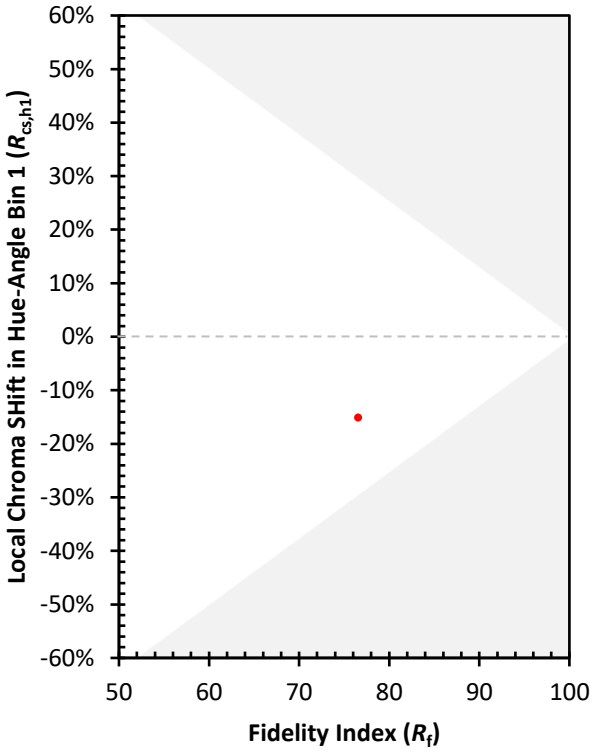


REPORT NUMBER: SP1-2411-284-1

TM-30-18

Measure Comparisons





(END OF REPORT)