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

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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: P1445209

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

Issue Date: 05/21/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1445209
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-CG-GM
Description:	TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 9W 70CRI 3500K w/ RECTANGULAR WIDE DISTRIBUTION OPTIC AND GLASS
Light Source:	3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	806.8 lumens
Efficiency:	N/A
Efficacy:	92.7 lumens/watt
Luminous Opening:	Circular (Dia: 0.71' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	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

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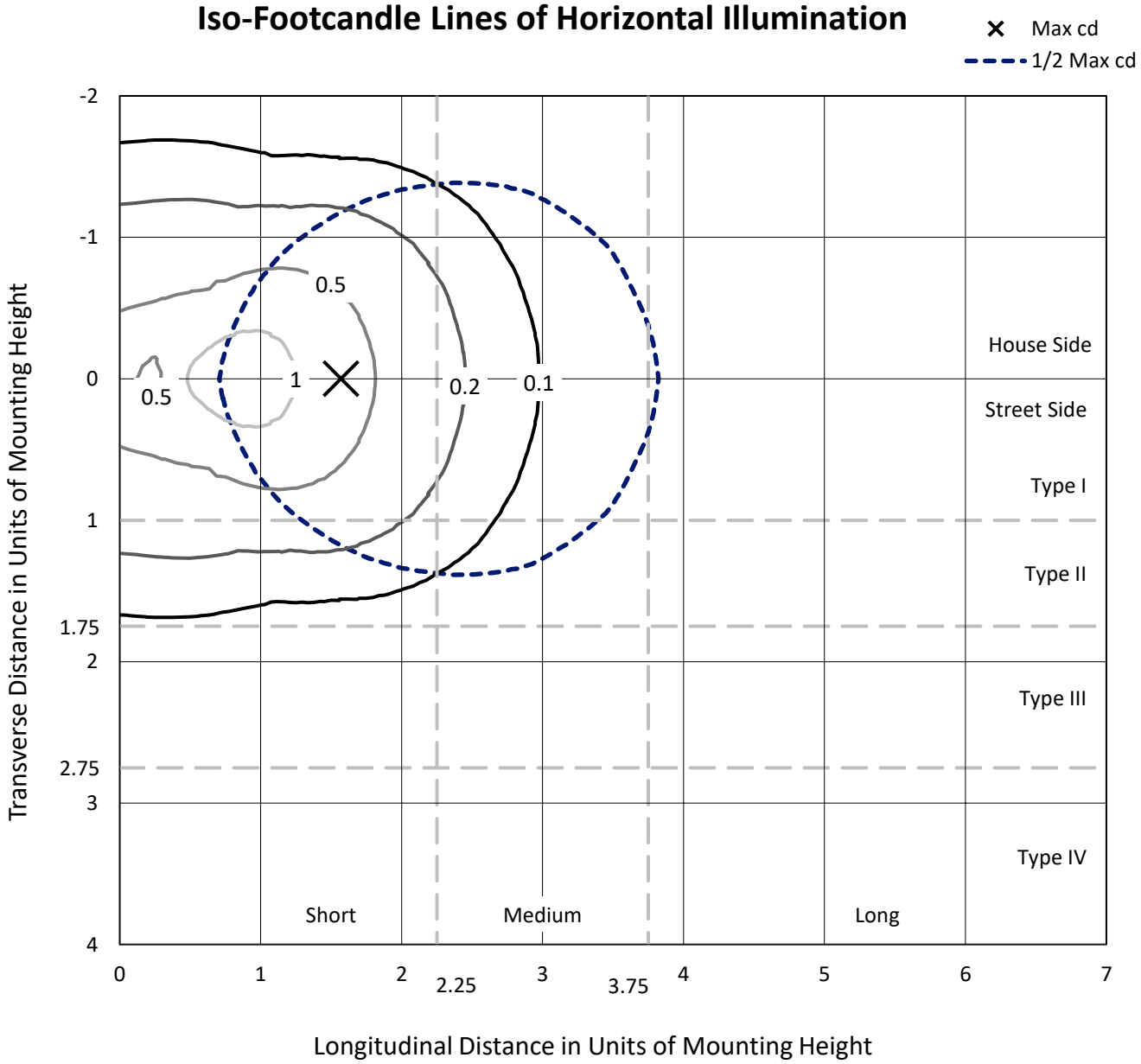
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
Type II - Short - N/A

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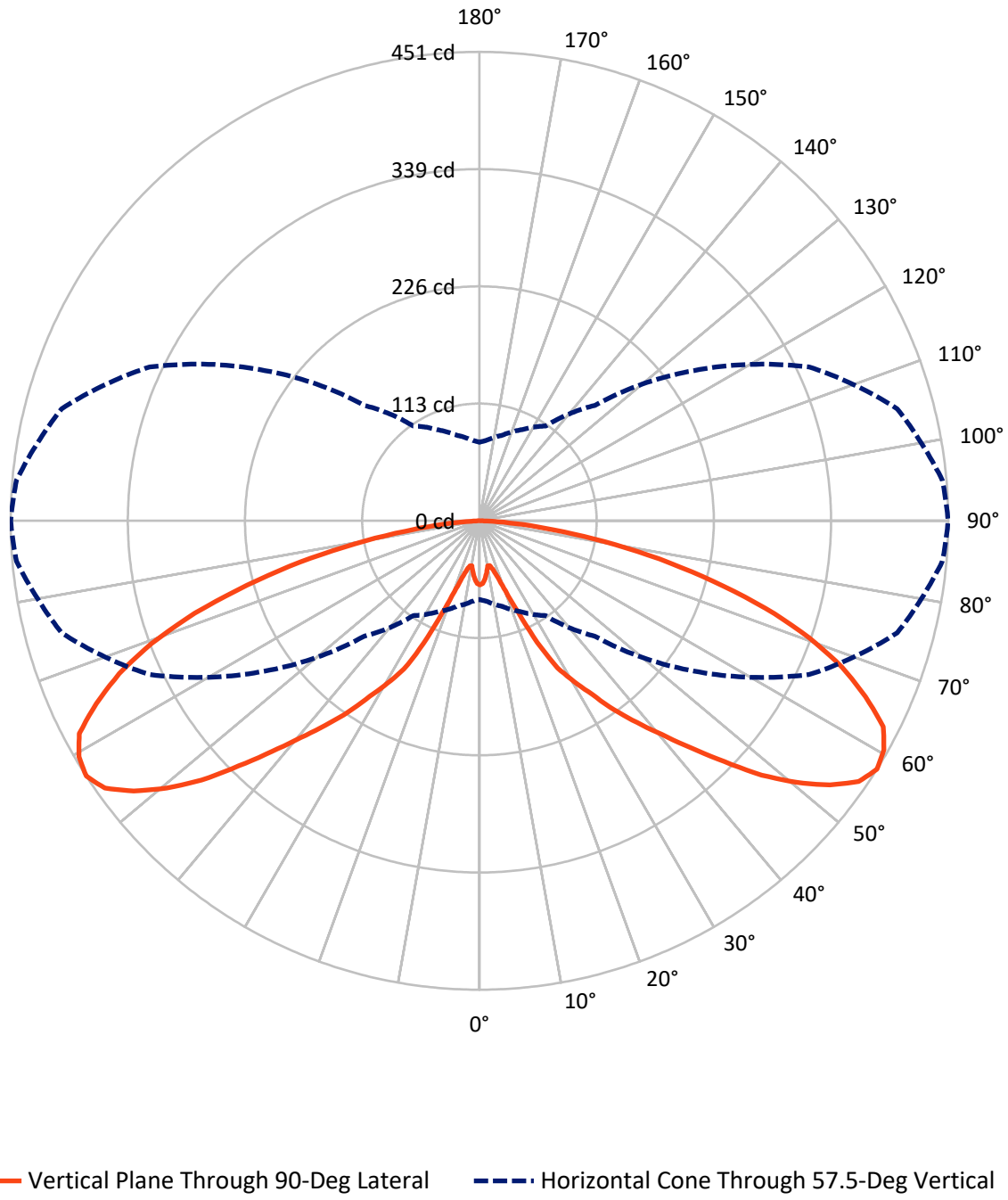
Luminous Intensity Polar Plot



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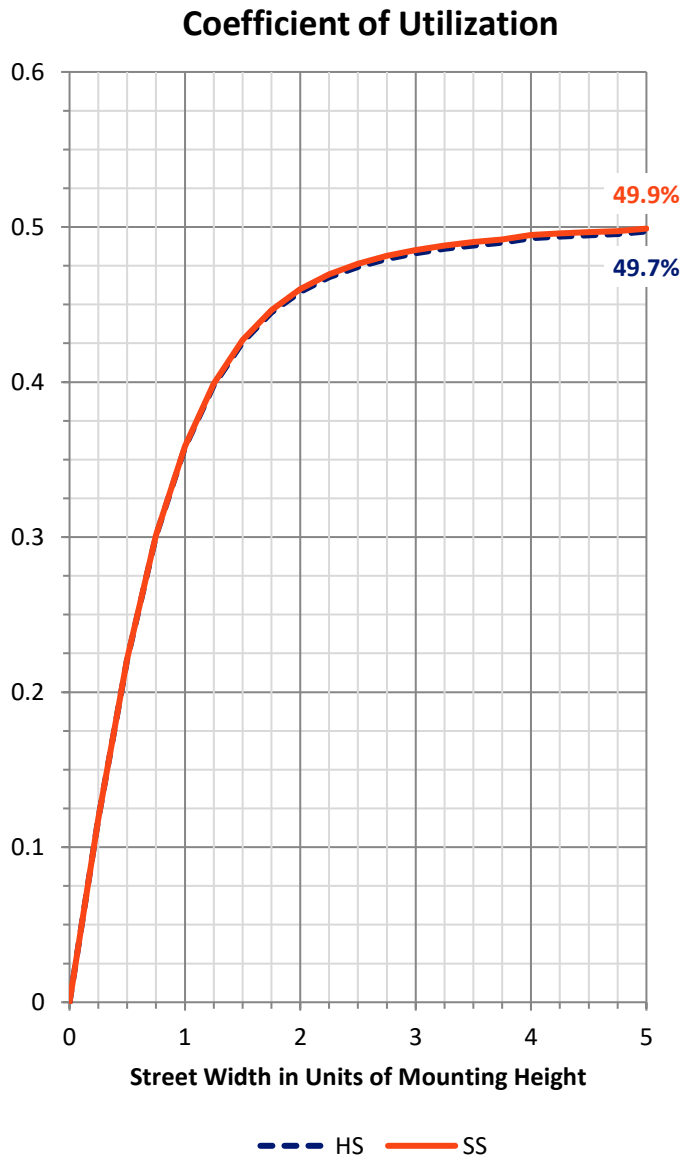
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	403.4	0.0	403.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	403.4	0.0	403.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	806.8	0.0	806.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.7
10°-20°	16.7	2.1
20°-30°	40.9	5.1
30°-40°	80.7	10.0
40°-50°	136.9	17.0
50°-60°	194.2	24.1
60°-70°	193.2	23.9
70°-80°	115.9	14.4
80°-90°	22.7	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	806.8	100.0
0°-180°	806.8	100.0



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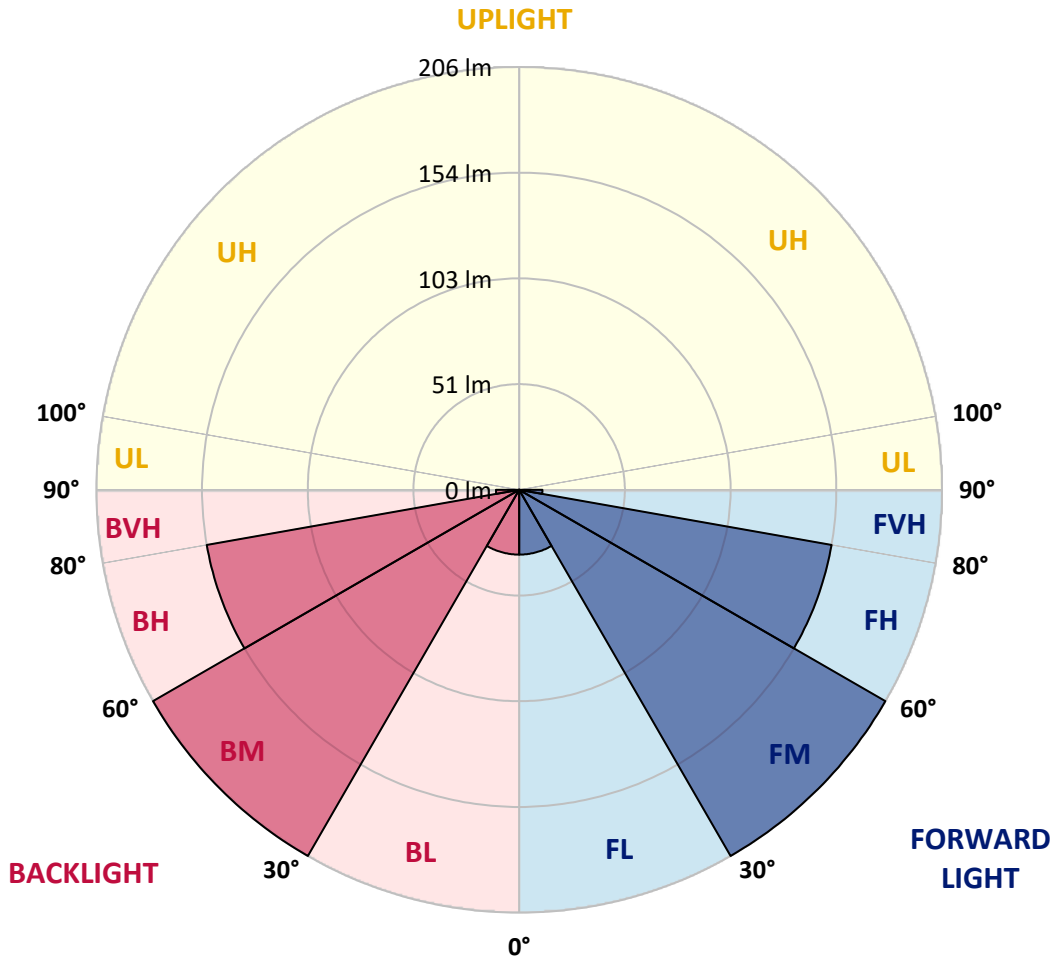
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	31.6	3.9			
FM	(30°-60°)	206.0	25.5			
FH	(60°-80°)	154.5	19.2			G0/660
FVH	(80°-90°)	11.3	1.4			G1/100
BL	(0°-30°)	31.6	3.9	B0/110		
BM	(30°-60°)	205.9	25.5	B0/220		
BH	(60°-80°)	154.5	19.2	B1/500		G1/500
BVH	(80°-90°)	11.3	1.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	62.0	62.0	62.0	62.0	62.0	61.8	61.8	61.8	61.8	61.8	61.8
5°	62.1	62.1	62.0	62.0	61.8	61.8	61.7	61.5	61.5	61.4	61.2
7.5°	61.4	61.4	61.4	61.4	61.2	61.2	61.1	60.9	60.8	60.6	60.5
10°	60.9	60.9	60.9	60.9	60.9	60.8	60.8	60.6	60.5	60.2	60.0
12.5°	61.1	61.2	61.2	61.4	61.4	61.5	61.5	61.4	61.4	61.2	61.1
15°	62.3	62.4	62.4	62.6	62.7	62.9	63.0	63.0	63.0	62.9	62.9
17.5°	63.5	63.8	63.9	64.2	64.4	64.7	64.8	64.8	64.8	64.7	64.7
20°	65.0	65.3	65.4	65.9	66.2	66.6	66.9	66.9	66.8	66.8	66.6
22.5°	66.3	66.6	66.9	67.4	68.0	68.5	68.9	68.9	69.1	69.1	69.1
25°	67.9	68.3	68.6	69.2	69.8	70.3	70.9	71.2	71.6	71.9	72.2
27.5°	69.4	69.8	70.3	70.9	71.5	72.1	72.7	73.4	74.0	74.8	75.4
30°	70.7	71.2	71.6	72.4	73.0	73.7	74.3	75.4	76.4	77.5	78.6
32.5°	71.9	72.5	73.1	73.9	74.6	75.4	76.1	77.5	79.0	80.4	81.7
35°	73.3	73.9	74.5	75.4	76.3	77.0	78.0	79.8	81.4	83.2	84.9
37.5°	74.5	75.2	75.8	76.9	78.0	78.9	79.9	81.9	84.0	85.9	87.9
40°	75.8	76.6	77.4	78.6	79.8	80.8	82.0	84.3	86.5	88.8	91.1
42.5°	77.0	77.8	78.6	79.9	81.4	82.8	84.1	86.5	89.0	91.2	93.6
45°	78.4	79.2	79.9	81.4	82.9	84.4	85.9	88.7	91.2	93.9	96.5
47.5°	79.6	80.4	81.1	82.8	84.4	86.1	87.8	90.6	93.5	96.2	99.1
50°	79.8	80.7	81.4	83.2	85.0	86.7	88.5	91.5	94.5	97.4	100.4
52.5°	79.8	80.7	81.4	83.2	85.2	87.0	88.8	92.0	95.0	98.2	101.2
55°	78.6	79.5	80.2	82.2	84.1	85.9	87.9	91.1	94.1	97.3	100.3
57.5°	*75.7*	*76.7*	*77.7*	*79.6*	*81.6*	*83.4*	*85.3*	*88.2*	*91.1*	*93.9*	*96.8*
60°	71.8	72.8	73.9	75.7	77.5	79.2	81.0	83.7	86.4	89.0	91.7
62.5°	67.1	68.2	69.1	70.7	72.4	74.0	75.7	78.0	80.4	82.6	84.9
65°	60.5	61.7	62.9	64.4	66.0	67.6	69.1	71.2	73.3	75.4	77.5
67.5°	53.4	54.6	55.6	57.0	58.4	59.6	60.9	62.9	64.8	66.8	68.8
70°	46.1	47.2	48.1	49.2	50.4	51.4	52.5	54.1	55.8	57.3	59.0
72.5°	37.2	38.3	39.4	40.4	41.5	42.5	43.6	44.9	46.1	47.5	48.7
75°	29.1	30.0	30.9	31.8	32.9	33.8	34.7	35.6	36.6	37.5	38.4
77.5°	20.7	21.7	22.6	23.4	24.3	25.0	25.8	26.4	27.0	27.6	28.2
80°	13.1	13.9	14.6	15.4	16.1	16.7	17.5	17.8	18.2	18.5	18.8
82.5°	6.6	7.4	8.1	8.7	9.5	10.1	10.7	10.9	11.2	11.3	11.5
85°	2.1	3.0	3.9	4.4	5.0	5.4	5.9	6.0	6.0	6.2	6.2
87.5°	0.3	1.1	1.8	2.3	2.9	3.3	3.8	3.8	3.8	3.8	3.8
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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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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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.8	61.7	61.7	61.5	61.5	61.4	61.4	61.2	61.2	61.2	61.1
5°	61.1	60.9	60.6	60.5	60.3	60.2	59.9	59.7	59.4	59.1	58.8
7.5°	60.2	59.9	59.6	59.3	58.8	58.2	57.7	57.1	56.5	56.1	55.5
10°	59.6	59.3	58.8	58.4	57.6	56.8	56.1	55.3	54.4	53.7	52.8
12.5°	60.6	60.2	59.6	59.1	58.4	57.4	56.7	55.8	54.9	54.0	53.1
15°	62.4	61.8	61.4	60.8	60.0	59.3	58.5	57.7	57.1	56.5	55.8
17.5°	64.2	63.9	63.5	63.0	62.6	62.3	61.8	61.4	61.1	60.6	60.3
20°	66.6	66.5	66.5	66.3	66.3	66.3	66.3	66.3	66.2	66.2	66.0
22.5°	69.5	69.8	70.3	70.6	71.0	71.5	71.8	72.2	72.7	73.1	73.4
25°	73.1	73.9	74.8	75.5	76.1	76.9	77.5	78.1	79.3	80.7	81.9
27.5°	76.6	78.0	79.2	80.4	81.3	82.2	83.1	84.0	86.2	88.5	90.8
30°	80.1	81.7	83.2	84.7	85.9	87.2	88.4	89.6	93.2	96.7	100.3
32.5°	83.5	85.2	87.0	88.7	90.5	92.4	94.2	96.0	100.9	105.7	110.4
35°	86.9	88.7	90.6	92.4	95.0	97.7	100.3	102.8	108.7	114.6	120.5
37.5°	90.0	92.3	94.4	96.5	99.8	103.1	106.3	109.6	116.7	123.8	130.7
40°	93.5	95.9	98.2	100.6	104.5	108.3	112.2	116.0	125.0	134.0	142.9
42.5°	96.3	99.1	101.8	104.5	109.2	113.7	118.4	122.9	134.2	145.7	157.0
45°	99.5	102.5	105.5	108.6	114.1	119.7	125.1	130.7	144.6	158.3	172.2
47.5°	102.4	105.5	108.9	112.0	119.0	125.8	132.7	139.5	155.8	172.2	188.5
50°	103.7	107.2	110.5	113.8	122.0	130.0	138.1	146.1	165.0	183.8	202.7
52.5°	104.8	108.3	111.9	115.3	124.5	133.7	142.9	152.1	172.8	193.3	214.0
55°	104.0	107.7	111.4	115.0	125.5	135.9	146.3	156.7	179.1	201.4	223.9
57.5°	*100.4*	*104.2*	*107.8*	*111.4*	*122.9*	*134.3*	*145.7*	*157.1*	*180.9*	*204.6*	*228.4*
60°	95.3	99.1	102.7	106.3	118.4	130.6	142.6	154.7	178.5	202.5	226.3
62.5°	88.8	92.7	96.5	100.4	113.2	125.9	138.7	151.4	174.8	198.1	221.5
65°	81.1	84.6	88.2	91.7	104.5	117.5	130.3	143.1	165.7	188.2	210.8
67.5°	72.1	75.4	78.6	81.9	94.2	106.6	119.0	131.3	152.1	172.8	193.6
70°	62.1	65.4	68.6	71.8	83.2	94.7	106.2	117.6	135.7	153.8	171.9
72.5°	51.7	54.7	57.6	60.6	71.0	81.3	91.7	101.9	117.3	132.7	148.1
75°	41.0	43.4	46.0	48.4	57.0	65.6	74.2	82.8	95.6	108.4	121.1
77.5°	30.2	32.1	34.1	36.0	42.7	49.2	55.8	62.3	72.2	82.2	92.1
80°	20.4	21.9	23.4	24.9	29.3	33.6	37.8	42.2	48.9	55.3	62.0
82.5°	12.4	13.3	14.2	15.1	17.8	20.4	23.1	25.6	29.6	33.6	37.5
85°	6.6	6.9	7.4	7.7	8.9	10.0	11.2	12.2	13.9	15.7	17.3
87.5°	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	4.2	4.4	4.7
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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.1	61.1	60.9	60.9	60.8	60.8	60.8	60.6	60.6	60.6	60.6
5°	58.5	58.2	58.1	57.7	57.4	57.3	57.1	57.0	56.8	56.7	56.5
7.5°	54.9	54.4	53.8	53.4	52.8	52.3	52.0	51.6	51.1	50.8	50.7
10°	51.9	51.1	50.4	49.5	48.7	48.1	47.3	46.7	46.0	45.7	45.2
12.5°	52.2	51.4	50.7	49.8	49.0	48.4	47.8	47.0	46.4	46.0	45.5
15°	55.2	54.6	53.8	53.2	52.5	52.0	51.6	51.0	50.5	50.2	49.9
17.5°	59.9	59.6	59.1	58.8	58.4	58.2	57.9	57.7	57.4	57.4	57.4
20°	65.9	66.2	66.3	66.6	66.8	67.4	68.0	68.6	69.2	69.8	70.6
22.5°	73.9	75.1	76.4	77.7	78.9	80.8	82.8	84.6	86.5	88.5	90.5
25°	83.1	86.1	89.0	92.0	94.8	99.2	103.6	108.0	112.3	116.0	119.6
27.5°	93.0	97.9	102.8	107.7	112.5	119.0	125.6	132.1	138.6	143.2	147.8
30°	103.7	110.1	116.6	122.9	129.2	136.6	144.0	151.4	158.8	163.4	168.1
32.5°	115.2	122.7	130.3	137.8	145.4	153.5	161.8	169.9	178.1	183.0	188.2
35°	126.4	135.7	145.1	154.4	163.7	173.2	182.7	192.2	201.7	206.6	211.4
37.5°	137.8	149.6	161.2	172.9	184.6	195.0	205.4	215.8	226.2	230.7	235.2
40°	152.0	165.6	179.3	192.9	206.4	217.4	228.4	239.3	250.3	255.0	259.6
42.5°	168.3	184.0	199.5	215.2	230.7	242.8	254.7	266.7	278.6	283.2	287.8
45°	185.9	204.2	222.3	240.5	258.6	271.3	283.8	296.4	309.0	313.6	318.2
47.5°	204.8	224.5	244.3	264.0	283.8	297.8	311.8	325.8	339.9	345.9	351.8
50°	221.5	243.4	265.4	287.2	309.1	324.2	339.3	354.2	369.3	375.3	381.3
52.5°	234.5	259.0	283.6	308.2	332.8	347.9	362.9	378.0	393.1	399.7	406.5
55°	246.2	270.8	295.4	320.0	344.5	360.8	377.0	393.2	409.4	416.8	424.0
57.5°	*252.1*	*276.7*	*301.3*	*325.7*	*350.3*	*366.9*	*383.4*	*400.0*	*416.6*	*424.3*	*432.1*
60°	250.1	275.2	300.2	325.2	350.3	365.8	381.5	397.0	412.5	420.4	428.1
62.5°	244.9	268.2	291.8	315.1	338.5	354.3	370.3	386.2	402.0	409.5	417.2
65°	233.3	255.3	277.3	299.2	321.2	336.4	351.5	366.7	381.8	387.5	393.2
67.5°	214.3	235.2	256.0	277.0	297.8	309.9	321.8	333.8	345.7	352.1	358.4
70°	190.0	208.5	227.2	245.8	264.3	275.0	285.9	296.6	307.3	314.1	320.9
72.5°	163.4	178.7	193.9	209.0	224.2	234.5	244.7	255.0	265.2	270.2	275.3
75°	133.9	146.0	158.0	169.9	182.0	190.0	198.0	205.8	213.8	217.7	221.5
77.5°	102.1	111.1	120.2	129.1	138.1	143.8	149.6	155.2	160.9	164.5	168.1
80°	68.5	74.9	81.4	87.8	94.2	98.9	103.4	108.1	112.6	114.6	116.4
82.5°	41.5	45.1	48.7	52.3	55.9	59.0	61.8	64.8	67.7	68.6	69.7
85°	19.0	20.7	22.3	23.8	25.5	27.0	28.5	29.9	31.4	31.8	32.4
87.5°	4.8	5.0	5.3	5.4	5.6	5.9	6.0	6.3	6.5	6.8	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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6
5°	56.4	56.2	56.2	56.1	56.2	56.2	56.4	56.5	56.7	56.8	57.0
7.5°	50.4	50.1	50.1	50.1	50.1	50.1	50.4	50.7	50.8	51.1	51.6
10°	44.9	44.5	44.3	44.0	44.3	44.5	44.9	45.2	45.7	46.0	46.7
12.5°	45.1	44.6	44.5	44.3	44.5	44.6	45.1	45.5	46.0	46.4	47.0
15°	49.5	49.2	49.0	48.7	49.0	49.2	49.5	49.9	50.2	50.5	51.0
17.5°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.7
20°	71.2	71.8	71.9	72.1	71.9	71.8	71.2	70.6	69.8	69.2	68.6
22.5°	92.4	94.4	95.1	95.9	95.1	94.4	92.4	90.5	88.5	86.5	84.6
25°	123.0	126.7	128.2	129.7	128.2	126.7	123.0	119.6	116.0	112.3	108.0
27.5°	152.4	157.0	158.6	160.3	158.6	157.0	152.3	147.8	143.2	138.6	132.1
30°	172.6	177.3	178.5	179.6	178.5	177.3	172.6	168.0	163.4	158.8	151.4
32.5°	193.2	198.1	198.6	199.0	198.6	198.1	193.2	188.0	183.0	178.1	169.9
35°	216.1	220.9	222.3	223.6	222.3	220.9	216.1	211.2	206.6	201.7	192.2
37.5°	239.7	244.3	245.3	246.4	245.3	244.3	239.7	235.2	230.7	226.2	215.8
40°	264.3	269.0	269.7	270.4	269.7	269.0	264.3	259.6	255.0	250.3	239.3
42.5°	292.4	296.9	297.8	298.7	297.8	296.9	292.4	287.7	283.2	278.6	266.7
45°	322.8	327.3	329.0	330.7	329.0	327.3	322.7	318.2	313.6	309.0	296.4
47.5°	357.8	363.7	364.7	365.8	364.7	363.7	357.7	351.8	345.9	339.9	325.8
50°	387.2	393.2	394.6	396.0	394.6	393.2	387.2	381.2	375.3	369.3	354.2
52.5°	413.1	419.8	421.1	422.5	421.1	419.8	413.1	406.4	399.7	393.1	378.0
55°	431.4	438.6	440.9	443.1	440.9	438.6	431.2	424.0	416.8	409.4	393.2
57.5°	439.8	447.5	449.5	451.4	449.5	447.5	439.8	432.0	424.3	416.6	400.0
60°	435.9	443.6	445.6	447.5	445.6	443.6	435.8	428.1	420.4	412.5	397.0
62.5°	424.8	432.3	434.4	436.4	434.3	432.3	424.8	417.1	409.5	402.0	386.2
65°	398.8	404.5	406.7	408.6	406.5	404.5	398.8	393.1	387.5	381.8	366.7
67.5°	364.6	370.9	373.9	376.8	373.8	370.9	364.6	358.3	352.1	345.7	333.8
70°	327.5	334.3	335.6	336.8	335.6	334.3	327.5	320.7	314.1	307.3	296.6
72.5°	280.3	285.3	286.8	288.1	286.8	285.3	280.3	275.2	270.2	265.2	255.0
75°	225.4	229.2	230.8	232.4	230.8	229.2	225.4	221.5	217.7	213.8	205.8
77.5°	171.6	175.2	176.3	177.3	176.3	175.2	171.6	168.1	164.5	160.9	155.2
80°	118.4	120.2	121.1	121.8	121.1	120.2	118.4	116.4	114.6	112.6	108.1
82.5°	70.6	71.5	71.8	71.9	71.8	71.5	70.6	69.7	68.6	67.7	64.8
85°	32.9	33.3	33.8	34.2	33.8	33.3	32.9	32.4	31.8	31.4	29.9
87.5°	7.2	7.4	7.4	7.4	7.4	7.4	7.2	6.9	6.8	6.5	6.3
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

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Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	60.8	60.8	60.8	60.9	60.9	61.1	61.1	61.1	61.2	61.2	61.2
5°	57.1	57.3	57.4	57.7	58.1	58.2	58.5	58.8	59.1	59.4	59.7
7.5°	52.0	52.3	52.8	53.4	53.8	54.4	54.9	55.5	56.1	56.5	57.1
10°	47.3	48.1	48.7	49.5	50.4	51.1	51.9	52.8	53.7	54.4	55.3
12.5°	47.8	48.4	49.0	49.8	50.7	51.4	52.2	53.1	54.0	54.9	55.8
15°	51.6	52.0	52.5	53.2	53.8	54.6	55.2	55.8	56.5	57.1	57.7
17.5°	57.9	58.2	58.4	58.8	59.1	59.6	59.9	60.3	60.6	61.1	61.4
20°	68.0	67.4	66.8	66.6	66.3	66.2	65.9	66.0	66.2	66.2	66.3
22.5°	82.8	80.8	78.9	77.7	76.3	75.1	73.9	73.4	73.1	72.7	72.2
25°	103.6	99.2	94.8	91.8	89.0	85.9	83.1	81.9	80.7	79.3	78.1
27.5°	125.6	119.0	112.5	107.7	102.7	97.9	93.0	90.8	88.5	86.2	84.0
30°	144.0	136.6	129.2	122.9	116.4	110.1	103.7	100.1	96.7	93.2	89.6
32.5°	161.8	153.5	145.4	137.8	130.3	122.7	115.2	110.4	105.7	100.9	96.0
35°	182.7	173.2	163.7	154.4	145.1	135.7	126.4	120.5	114.6	108.7	102.8
37.5°	205.4	195.0	184.6	172.8	161.2	149.4	137.8	130.7	123.8	116.7	109.6
40°	228.4	217.4	206.4	192.9	179.1	165.6	152.0	142.9	134.0	125.0	116.0
42.5°	254.7	242.8	230.7	215.0	199.5	183.8	168.3	157.0	145.7	134.2	122.9
45°	283.8	271.3	258.6	240.3	222.3	204.0	185.9	172.0	158.3	144.6	130.7
47.5°	311.8	297.8	283.8	264.0	244.3	224.5	204.8	188.5	172.2	155.8	139.5
50°	339.3	324.2	309.1	287.2	265.2	243.4	221.5	202.7	183.8	165.0	146.1
52.5°	362.9	347.9	332.8	308.2	283.6	259.0	234.5	213.8	193.3	172.8	152.1
55°	377.0	360.8	344.5	320.0	295.4	270.8	246.2	223.8	201.4	179.1	156.7
57.5°	*383.4*	*366.9*	*350.3*	*325.7*	*301.1*	*276.7*	*252.1*	*228.3*	*204.6*	*180.9*	*157.1*
60°	381.5	365.8	350.3	325.2	300.2	275.2	250.1	226.3	202.5	178.5	154.7
62.5°	370.3	354.3	338.5	315.1	291.6	268.2	244.9	221.5	198.1	174.8	151.4
65°	351.5	336.4	321.2	299.2	277.1	255.3	233.3	210.6	188.2	165.7	143.1
67.5°	321.8	309.9	297.8	276.8	256.0	235.1	214.3	193.5	172.8	152.1	131.3
70°	285.9	275.0	264.3	245.8	227.1	208.5	190.0	171.9	153.8	135.7	117.6
72.5°	244.7	234.5	224.2	209.0	193.8	178.7	163.4	148.1	132.7	117.3	101.9
75°	198.0	190.0	182.0	169.9	157.9	146.0	133.9	121.1	108.4	95.6	82.8
77.5°	149.6	143.8	138.1	129.1	120.0	111.1	102.1	92.1	82.2	72.2	62.3
80°	103.4	98.9	94.2	87.8	81.3	74.9	68.5	61.8	55.3	48.9	42.2
82.5°	61.8	59.0	55.9	52.3	48.7	45.1	41.5	37.5	33.6	29.6	25.6
85°	28.5	27.0	25.5	23.8	22.2	20.7	19.0	17.3	15.7	13.9	12.2
87.5°	6.0	5.9	5.6	5.4	5.3	5.0	4.8	4.7	4.4	4.2	3.9
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.4	61.4	61.5	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8
5°	59.9	60.2	60.3	60.5	60.6	60.9	61.1	61.2	61.4	61.5	61.5
7.5°	57.7	58.2	58.8	59.3	59.6	59.9	60.2	60.5	60.6	60.8	60.9
10°	56.1	56.8	57.6	58.4	58.8	59.3	59.6	60.0	60.2	60.5	60.6
12.5°	56.7	57.4	58.4	59.1	59.6	60.2	60.6	61.1	61.2	61.4	61.4
15°	58.5	59.3	60.0	60.8	61.4	61.8	62.4	62.9	62.9	63.0	63.0
17.5°	61.8	62.3	62.6	63.0	63.5	63.9	64.2	64.7	64.7	64.8	64.8
20°	66.3	66.3	66.3	66.3	66.5	66.5	66.6	66.6	66.8	66.8	66.9
22.5°	71.8	71.5	71.0	70.6	70.3	69.8	69.5	69.1	69.1	69.1	68.9
25°	77.5	76.9	76.1	75.5	74.8	73.9	73.1	72.2	71.9	71.6	71.2
27.5°	83.1	82.2	81.3	80.4	79.2	78.0	76.6	75.4	74.8	74.0	73.4
30°	88.4	87.2	85.9	84.7	83.2	81.7	80.1	78.6	77.5	76.4	75.4
32.5°	94.2	92.4	90.5	88.7	87.0	85.2	83.5	81.7	80.4	79.0	77.5
35°	100.3	97.7	95.0	92.4	90.6	88.7	86.9	84.9	83.2	81.4	79.8
37.5°	106.3	103.1	99.8	96.5	94.4	92.3	90.0	87.9	85.9	84.0	81.9
40°	112.2	108.3	104.5	100.6	98.2	95.9	93.5	91.1	88.8	86.5	84.3
42.5°	118.4	113.7	109.2	104.5	101.8	99.1	96.3	93.6	91.2	89.0	86.5
45°	125.1	119.7	114.1	108.6	105.5	102.5	99.5	96.5	93.9	91.2	88.7
47.5°	132.7	125.8	119.0	112.0	108.9	105.5	102.4	99.1	96.2	93.5	90.6
50°	138.1	130.0	122.0	113.8	110.5	107.2	103.7	100.4	97.4	94.5	91.5
52.5°	142.9	133.7	124.5	115.3	111.9	108.3	104.8	101.2	98.2	95.0	92.0
55°	146.3	135.9	125.5	115.0	111.4	107.7	104.0	100.3	97.3	94.1	91.1
57.5°	*145.7*	*134.3*	*122.9*	*111.4*	*107.8*	*104.2*	*100.4*	*96.8*	*93.9*	*91.1*	*88.2*
60°	142.6	130.6	118.4	106.3	102.7	99.1	95.3	91.7	89.0	86.4	83.7
62.5°	138.7	125.9	113.2	100.4	96.5	92.7	88.8	84.9	82.6	80.4	78.0
65°	130.3	117.5	104.5	91.7	88.2	84.6	81.1	77.5	75.4	73.3	71.2
67.5°	119.0	106.6	94.2	81.9	78.6	75.4	72.1	68.8	66.8	64.8	62.9
70°	106.2	94.7	83.2	71.8	68.6	65.4	62.1	59.0	57.3	55.8	54.1
72.5°	91.7	81.3	71.0	60.6	57.6	54.7	51.7	48.7	47.5	46.1	44.9
75°	74.2	65.6	57.0	48.4	46.0	43.4	41.0	38.4	37.5	36.6	35.6
77.5°	55.8	49.2	42.7	36.0	34.1	32.1	30.2	28.2	27.6	27.0	26.4
80°	37.8	33.6	29.3	24.9	23.4	21.9	20.4	18.8	18.5	18.2	17.8
82.5°	23.1	20.4	17.8	15.1	14.2	13.3	12.4	11.5	11.3	11.2	10.9
85°	11.2	10.0	8.9	7.7	7.4	6.9	6.6	6.2	6.2	6.0	6.0
87.5°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
5°	61.7	61.8	61.8	62.0	62.0	62.1	62.1	62.1	62.0	62.0	61.8
7.5°	61.1	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.2
10°	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
12.5°	61.5	61.5	61.4	61.4	61.2	61.2	61.1	61.2	61.2	61.4	61.4
15°	63.0	62.9	62.7	62.6	62.4	62.4	62.3	62.4	62.4	62.6	62.7
17.5°	64.8	64.7	64.4	64.2	63.9	63.8	63.5	63.8	63.9	64.2	64.4
20°	66.9	66.6	66.2	65.9	65.4	65.3	65.0	65.3	65.4	65.9	66.2
22.5°	68.9	68.5	68.0	67.4	66.9	66.6	66.3	66.6	66.9	67.4	68.0
25°	70.9	70.3	69.8	69.2	68.6	68.3	67.9	68.3	68.6	69.2	69.8
27.5°	72.7	72.1	71.5	70.9	70.3	69.8	69.4	69.8	70.3	70.9	71.5
30°	74.3	73.7	73.0	72.2	71.6	71.2	70.7	71.2	71.6	72.4	73.0
32.5°	76.1	75.4	74.6	73.9	73.1	72.5	71.9	72.5	73.1	73.9	74.6
35°	78.0	77.0	76.3	75.4	74.5	73.9	73.3	73.9	74.5	75.4	76.3
37.5°	79.9	78.9	78.0	76.9	75.8	75.1	74.5	75.2	75.8	76.9	78.0
40°	82.0	80.8	79.8	78.6	77.4	76.6	75.8	76.6	77.4	78.6	79.8
42.5°	84.1	82.8	81.4	79.9	78.6	77.8	77.0	77.8	78.6	79.9	81.4
45°	85.9	84.4	82.9	81.4	79.9	79.2	78.4	79.2	79.9	81.4	82.9
47.5°	87.8	86.1	84.4	82.8	81.1	80.4	79.6	80.4	81.1	82.8	84.4
50°	88.5	86.7	85.0	83.2	81.4	80.5	79.8	80.7	81.4	83.2	85.0
52.5°	88.8	87.0	85.2	83.2	81.4	80.5	79.8	80.7	81.4	83.2	85.2
55°	87.9	85.9	84.1	82.2	80.2	79.3	78.6	79.5	80.2	82.2	84.1
57.5°	*85.3*	*83.4*	*81.6*	*79.6*	*77.7*	*76.6*	*75.7*	*76.7*	*77.7*	*79.6*	*81.6*
60°	81.0	79.2	77.5	75.7	73.9	72.8	71.8	72.8	73.9	75.7	77.5
62.5°	75.7	74.0	72.4	70.7	69.1	68.0	67.1	68.2	69.1	70.7	72.4
65°	69.1	67.6	66.0	64.4	62.9	61.7	60.5	61.7	62.9	64.4	66.0
67.5°	60.9	59.6	58.4	57.0	55.6	54.4	53.4	54.6	55.6	57.0	58.4
70°	52.5	51.4	50.4	49.2	48.1	47.0	46.1	47.2	48.1	49.2	50.4
72.5°	43.6	42.5	41.5	40.4	39.4	38.3	37.2	38.3	39.4	40.4	41.5
75°	34.7	33.8	32.9	31.8	30.9	30.0	29.1	30.0	30.9	31.8	32.9
77.5°	25.8	25.0	24.3	23.4	22.6	21.6	20.7	21.7	22.6	23.4	24.3
80°	17.5	16.7	16.1	15.4	14.6	13.9	13.1	13.9	14.6	15.4	16.1
82.5°	10.7	10.1	9.5	8.7	8.1	7.4	6.6	7.4	8.1	8.7	9.5
85°	5.9	5.4	5.0	4.4	3.9	3.0	2.1	3.0	3.9	4.4	5.0
87.5°	3.8	3.3	2.9	2.3	1.8	1.1	0.3	1.1	1.8	2.3	2.9
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.7	61.7	61.5	61.5
5°	61.8	61.7	61.5	61.5	61.4	61.2	61.1	60.9	60.6	60.5	60.3
7.5°	61.2	61.1	60.9	60.8	60.6	60.5	60.2	59.9	59.6	59.3	58.8
10°	60.8	60.8	60.6	60.5	60.2	60.0	59.6	59.3	58.8	58.4	57.6
12.5°	61.5	61.5	61.4	61.4	61.2	61.1	60.6	60.2	59.6	59.1	58.4
15°	62.9	63.0	63.0	63.0	62.9	62.9	62.4	61.8	61.4	60.8	60.0
17.5°	64.7	64.8	64.8	64.8	64.7	64.7	64.2	63.9	63.5	63.0	62.6
20°	66.6	66.9	66.9	66.8	66.8	66.6	66.6	66.5	66.5	66.3	66.3
22.5°	68.5	68.9	68.9	69.1	69.1	69.1	69.5	69.8	70.3	70.6	71.0
25°	70.3	70.9	71.2	71.6	71.9	72.2	73.1	73.9	74.8	75.5	76.1
27.5°	72.1	72.7	73.4	74.0	74.8	75.4	76.6	78.0	79.2	80.4	81.3
30°	73.7	74.3	75.4	76.4	77.5	78.6	80.1	81.7	83.2	84.7	85.9
32.5°	75.4	76.1	77.5	79.0	80.4	81.7	83.5	85.2	87.0	88.7	90.5
35°	77.0	78.0	79.8	81.4	83.2	84.9	86.9	88.7	90.6	92.4	95.0
37.5°	78.9	79.9	81.9	84.0	85.9	87.9	90.0	92.3	94.4	96.5	99.8
40°	80.8	82.0	84.3	86.5	88.8	91.1	93.5	95.9	98.2	100.6	104.5
42.5°	82.8	84.1	86.5	89.0	91.2	93.6	96.3	99.1	101.8	104.5	109.2
45°	84.4	85.9	88.7	91.2	93.9	96.5	99.5	102.5	105.5	108.6	114.1
47.5°	86.1	87.8	90.6	93.5	96.2	99.1	102.4	105.5	108.9	112.0	119.0
50°	86.7	88.5	91.5	94.5	97.4	100.4	103.7	107.2	110.5	113.8	122.0
52.5°	87.0	88.8	92.0	95.0	98.2	101.2	104.8	108.3	111.9	115.3	124.5
55°	85.9	87.9	91.1	94.1	97.3	100.3	104.0	107.7	111.4	115.0	125.5
57.5°	*83.4*	*85.3*	*88.2*	*91.1*	*93.9*	*96.8*	*100.4*	*104.2*	*107.8*	*111.4*	*122.9*
60°	79.2	81.0	83.7	86.4	89.0	91.7	95.3	99.1	102.7	106.3	118.4
62.5°	74.0	75.7	78.0	80.4	82.6	84.9	88.8	92.7	96.5	100.4	113.2
65°	67.6	69.1	71.2	73.3	75.4	77.5	81.1	84.6	88.2	91.7	104.5
67.5°	59.6	60.9	62.9	64.8	66.8	68.8	72.1	75.4	78.6	81.9	94.2
70°	51.4	52.5	54.1	55.8	57.3	59.0	62.1	65.4	68.6	71.8	83.2
72.5°	42.5	43.6	44.9	46.1	47.5	48.7	51.7	54.7	57.6	60.6	71.0
75°	33.8	34.7	35.6	36.6	37.5	38.4	41.0	43.4	46.0	48.4	57.0
77.5°	25.0	25.8	26.4	27.0	27.6	28.2	30.2	32.1	34.1	36.0	42.7
80°	16.7	17.5	17.8	18.2	18.5	18.8	20.4	21.9	23.4	24.9	29.3
82.5°	10.1	10.7	10.9	11.2	11.3	11.5	12.4	13.3	14.2	15.1	17.8
85°	5.4	5.9	6.0	6.0	6.2	6.2	6.6	6.9	7.4	7.7	8.9
87.5°	3.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.4	61.4	61.2	61.2	61.2	61.1	61.1	61.1	60.9	60.9	60.8
5°	60.2	59.9	59.7	59.4	59.1	58.8	58.5	58.2	58.1	57.7	57.4
7.5°	58.2	57.7	57.1	56.5	56.1	55.5	54.9	54.4	53.8	53.4	52.8
10°	56.8	56.1	55.3	54.4	53.7	52.8	51.9	51.1	50.4	49.5	48.7
12.5°	57.4	56.7	55.8	54.9	54.0	53.1	52.2	51.4	50.7	49.8	49.0
15°	59.3	58.5	57.7	57.1	56.5	55.8	55.2	54.6	53.8	53.2	52.5
17.5°	62.3	61.8	61.4	61.1	60.6	60.3	59.9	59.6	59.1	58.8	58.4
20°	66.3	66.3	66.3	66.2	66.2	66.0	65.9	66.2	66.3	66.6	66.8
22.5°	71.5	71.8	72.2	72.7	73.1	73.4	73.9	75.1	76.4	77.7	78.9
25°	76.9	77.5	78.1	79.3	80.7	81.9	83.1	86.1	89.0	92.0	94.8
27.5°	82.2	83.1	84.0	86.2	88.5	90.8	93.0	97.9	102.8	107.7	112.5
30°	87.2	88.4	89.6	93.2	96.7	100.3	103.7	110.1	116.6	122.9	129.2
32.5°	92.4	94.2	96.0	100.9	105.7	110.4	115.2	122.7	130.3	137.8	145.4
35°	97.7	100.3	102.8	108.7	114.6	120.5	126.4	135.7	145.1	154.4	163.7
37.5°	103.1	106.3	109.6	116.7	123.8	130.7	137.8	149.6	161.2	172.9	184.6
40°	108.3	112.2	116.0	125.0	134.0	142.9	152.0	165.6	179.3	192.9	206.4
42.5°	113.7	118.4	122.9	134.2	145.7	157.0	168.3	184.0	199.5	215.2	230.7
45°	119.7	125.1	130.7	144.6	158.3	172.2	185.9	204.2	222.3	240.5	258.6
47.5°	125.8	132.7	139.5	155.8	172.2	188.5	204.8	224.5	244.3	264.0	283.8
50°	130.0	138.1	146.1	165.0	183.8	202.7	221.5	243.4	265.4	287.2	309.1
52.5°	133.7	142.9	152.1	172.8	193.3	214.0	234.5	259.0	283.6	308.2	332.8
55°	135.9	146.3	156.7	179.1	201.4	223.9	246.2	270.8	295.4	320.0	344.5
57.5°	*134.3*	*145.7*	*157.1*	*180.9*	*204.6*	*228.4*	*252.1*	*276.7*	*301.3*	*325.7*	*350.3*
60°	130.6	142.6	154.7	178.5	202.5	226.3	250.1	275.2	300.2	325.2	350.3
62.5°	125.9	138.7	151.4	174.8	198.1	221.5	244.9	268.2	291.8	315.1	338.5
65°	117.5	130.3	143.1	165.7	188.2	210.8	233.3	255.3	277.3	299.2	321.2
67.5°	106.6	119.0	131.3	152.1	172.8	193.6	214.3	235.2	256.0	277.0	297.8
70°	94.7	106.2	117.6	135.7	153.8	171.9	190.0	208.5	227.2	245.8	264.3
72.5°	81.3	91.7	101.9	117.3	132.7	148.1	163.4	178.7	193.9	209.0	224.2
75°	65.6	74.2	82.8	95.6	108.4	121.1	133.9	146.0	158.0	169.9	182.0
77.5°	49.2	55.8	62.3	72.2	82.2	92.1	102.1	111.1	120.2	129.1	138.1
80°	33.6	37.8	42.2	48.9	55.3	62.0	68.5	74.9	81.4	87.8	94.2
82.5°	20.4	23.1	25.6	29.6	33.6	37.5	41.5	45.1	48.7	52.3	55.9
85°	10.0	11.2	12.2	13.9	15.7	17.3	19.0	20.7	22.3	23.8	25.5
87.5°	3.9	3.9	3.9	4.2	4.4	4.7	4.8	5.0	5.3	5.4	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	60.8	60.8	60.6	60.6	60.6	60.6	60.5	60.5	60.5	60.5	60.5
5°	57.3	57.1	57.0	56.8	56.7	56.5	56.4	56.2	56.2	56.1	56.2
7.5°	52.3	52.0	51.6	51.1	50.8	50.7	50.4	50.1	50.1	50.1	50.1
10°	48.1	47.3	46.7	46.0	45.7	45.2	44.9	44.5	44.3	44.0	44.3
12.5°	48.4	47.8	47.0	46.4	46.0	45.5	45.1	44.6	44.5	44.3	44.5
15°	52.0	51.6	51.0	50.5	50.2	49.9	49.5	49.2	49.0	48.7	49.0
17.5°	58.2	57.9	57.7	57.4	57.4	57.4	57.3	57.3	57.3	57.3	57.3
20°	67.4	68.0	68.6	69.2	69.8	70.6	71.2	71.8	71.9	72.1	71.9
22.5°	80.8	82.8	84.6	86.5	88.5	90.5	92.4	94.4	95.1	95.9	95.1
25°	99.2	103.6	108.0	112.3	116.0	119.6	123.0	126.7	128.2	129.7	128.2
27.5°	119.0	125.6	132.1	138.6	143.1	147.8	152.3	157.0	158.6	160.3	158.6
30°	136.6	144.0	151.4	158.8	163.4	168.1	172.6	177.3	178.4	179.6	178.5
32.5°	153.5	161.8	169.9	178.1	183.0	188.2	193.2	198.1	198.6	199.0	198.6
35°	173.2	182.7	192.2	201.7	206.6	211.4	216.1	220.9	222.3	223.6	222.3
37.5°	195.0	205.4	215.8	226.2	230.7	235.2	239.7	244.3	245.3	246.4	245.3
40°	217.4	228.4	239.3	250.3	255.0	259.6	264.3	269.0	269.6	270.4	269.7
42.5°	242.8	254.7	266.6	278.6	283.2	287.8	292.4	296.9	297.8	298.7	297.8
45°	271.3	283.8	296.3	309.0	313.5	318.2	322.7	327.3	329.0	330.7	329.0
47.5°	297.8	311.8	325.8	339.9	345.7	351.8	357.7	363.7	364.7	365.8	364.7
50°	324.2	339.3	354.2	369.3	375.3	381.3	387.2	393.2	394.6	396.0	394.6
52.5°	347.9	362.9	378.0	393.1	399.7	406.5	413.1	419.8	421.1	422.5	421.1
55°	360.8	377.0	393.1	409.4	416.6	424.0	431.2	438.6	440.9	443.1	440.9
57.5°	*366.9*	*383.4*	*400.0*	*416.6*	*424.3*	*432.1*	*439.8*	*447.5*	*449.5*	*451.4*	*449.5*
60°	365.8	381.5	397.0	412.5	420.2	428.1	435.8	443.6	445.6	447.5	445.6
62.5°	354.3	370.3	386.2	402.0	409.5	417.2	424.8	432.3	434.3	436.4	434.4
65°	336.4	351.5	366.6	381.8	387.5	393.2	398.8	404.5	406.5	408.6	406.7
67.5°	309.9	321.8	333.7	345.7	352.1	358.4	364.6	370.9	373.8	376.8	373.9
70°	275.0	285.9	296.6	307.3	314.1	320.9	327.5	334.3	335.5	336.8	335.6
72.5°	234.5	244.7	255.0	265.2	270.2	275.3	280.3	285.3	286.6	288.1	286.8
75°	190.0	198.0	205.8	213.8	217.6	221.5	225.3	229.2	230.7	232.4	230.8
77.5°	143.8	149.6	155.2	160.9	164.5	168.1	171.6	175.2	176.3	177.3	176.3
80°	98.9	103.4	108.0	112.6	114.4	116.4	118.2	120.2	120.9	121.8	121.1
82.5°	59.0	61.8	64.7	67.7	68.6	69.7	70.6	71.5	71.8	71.9	71.8
85°	27.0	28.5	29.9	31.4	31.8	32.4	32.9	33.3	33.8	34.2	33.8
87.5°	5.9	6.0	6.3	6.5	6.8	6.9	7.2	7.4	7.4	7.4	7.4
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	60.5	60.5	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.9	60.9
5°	56.2	56.4	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.7	58.1
7.5°	50.1	50.4	50.7	50.8	51.1	51.6	52.0	52.3	52.8	53.4	53.8
10°	44.5	44.9	45.2	45.7	46.0	46.7	47.3	48.1	48.7	49.5	50.4
12.5°	44.6	45.1	45.5	46.0	46.4	47.0	47.8	48.4	49.0	49.8	50.7
15°	49.2	49.5	49.9	50.2	50.5	51.0	51.6	52.0	52.5	53.2	53.8
17.5°	57.3	57.3	57.4	57.4	57.4	57.7	57.9	58.2	58.4	58.8	59.1
20°	71.8	71.2	70.6	69.8	69.2	68.6	68.0	67.4	66.8	66.6	66.3
22.5°	94.4	92.4	90.5	88.5	86.5	84.6	82.8	80.8	78.9	77.7	76.4
25°	126.7	123.0	119.6	116.0	112.3	108.0	103.6	99.2	94.8	91.8	89.0
27.5°	157.0	152.3	147.8	143.1	138.6	132.1	125.6	119.0	112.5	107.7	102.8
30°	177.3	172.6	168.1	163.4	158.8	151.4	144.0	136.6	129.2	122.9	116.6
32.5°	198.1	193.2	188.2	183.0	178.1	169.9	161.8	153.5	145.4	137.8	130.3
35°	220.9	216.1	211.4	206.6	201.7	192.2	182.7	173.2	163.7	154.4	145.1
37.5°	244.3	239.7	235.2	230.7	226.2	215.8	205.4	195.0	184.6	172.8	161.2
40°	269.0	264.3	259.6	255.0	250.3	239.3	228.4	217.4	206.4	192.9	179.3
42.5°	296.9	292.4	287.8	283.2	278.6	266.6	254.7	242.6	230.7	215.0	199.5
45°	327.3	322.7	318.2	313.5	309.0	296.3	283.8	271.1	258.6	240.3	222.3
47.5°	363.7	357.7	351.8	345.7	339.9	325.8	311.8	297.8	283.8	264.0	244.3
50°	393.2	387.2	381.3	375.3	369.3	354.2	339.3	324.2	309.1	287.2	265.4
52.5°	419.8	413.1	406.5	399.7	393.1	378.0	362.9	347.9	332.8	308.2	283.6
55°	438.6	431.2	424.0	416.6	409.4	393.1	377.0	360.7	344.5	320.0	295.4
57.5°	*447.5*	*439.8*	*432.1*	*424.3*	*416.6*	*400.0*	*383.4*	*366.9*	*350.3*	*325.7*	*301.3*
60°	443.6	435.8	428.1	420.2	412.5	397.0	381.5	365.8	350.3	325.2	300.2
62.5°	432.3	424.8	417.2	409.5	402.0	386.2	370.3	354.3	338.5	315.1	291.8
65°	404.5	398.8	393.2	387.5	381.8	366.6	351.5	336.2	321.2	299.2	277.3
67.5°	370.9	364.6	358.4	352.1	345.7	333.7	321.8	309.7	297.8	276.8	256.0
70°	334.3	327.5	320.9	314.1	307.3	296.6	285.9	275.0	264.3	245.8	227.2
72.5°	285.3	280.3	275.3	270.2	265.2	255.0	244.7	234.5	224.2	209.0	193.9
75°	229.2	225.3	221.5	217.6	213.8	205.8	198.0	190.0	182.0	169.9	158.0
77.5°	175.2	171.6	168.1	164.5	160.9	155.2	149.6	143.8	138.1	129.1	120.2
80°	120.2	118.2	116.4	114.4	112.6	108.0	103.4	98.8	94.2	87.8	81.4
82.5°	71.5	70.6	69.7	68.6	67.7	64.7	61.8	58.8	55.9	52.3	48.7
85°	33.3	32.9	32.4	31.8	31.4	29.9	28.5	27.0	25.5	23.8	22.3
87.5°	7.4	7.2	6.9	6.8	6.5	6.3	6.0	5.9	5.6	5.4	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.1	61.1	61.1	61.2	61.2	61.2	61.4	61.4	61.5	61.5	61.7
5°	58.2	58.5	58.8	59.1	59.4	59.7	59.9	60.2	60.3	60.5	60.6
7.5°	54.4	54.9	55.5	56.1	56.5	57.1	57.7	58.2	58.8	59.3	59.6
10°	51.1	51.9	52.8	53.7	54.4	55.3	56.1	56.8	57.6	58.4	58.8
12.5°	51.4	52.2	53.1	54.0	54.9	55.8	56.7	57.4	58.4	59.1	59.6
15°	54.6	55.2	55.8	56.5	57.1	57.7	58.5	59.3	60.0	60.8	61.4
17.5°	59.6	59.9	60.3	60.6	61.1	61.4	61.8	62.3	62.6	63.0	63.5
20°	66.2	65.9	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.5
22.5°	75.1	73.9	73.4	73.1	72.7	72.2	71.8	71.5	71.0	70.6	70.3
25°	86.1	83.1	81.9	80.7	79.3	78.1	77.5	76.9	76.1	75.5	74.8
27.5°	97.9	93.0	90.8	88.5	86.2	84.0	83.1	82.2	81.3	80.4	79.2
30°	110.1	103.7	100.3	96.7	93.2	89.6	88.4	87.2	85.9	84.7	83.2
32.5°	122.7	115.2	110.4	105.7	100.9	96.0	94.2	92.4	90.5	88.7	87.0
35°	135.7	126.4	120.5	114.6	108.7	102.8	100.3	97.7	95.0	92.4	90.6
37.5°	149.6	137.8	130.7	123.8	116.7	109.6	106.3	103.1	99.8	96.5	94.4
40°	165.6	152.0	142.9	134.0	125.0	116.0	112.2	108.3	104.5	100.6	98.2
42.5°	184.0	168.3	157.0	145.7	134.2	122.9	118.4	113.7	109.2	104.5	101.8
45°	204.2	185.9	172.2	158.3	144.6	130.7	125.1	119.7	114.1	108.6	105.5
47.5°	224.5	204.8	188.5	172.2	155.8	139.5	132.7	125.8	119.0	112.0	108.9
50°	243.4	221.5	202.7	183.8	165.0	146.1	138.1	130.0	122.0	113.8	110.5
52.5°	259.0	234.5	214.0	193.3	172.8	152.1	142.9	133.7	124.5	115.3	111.9
55°	270.8	246.2	223.9	201.4	179.1	156.7	146.3	135.9	125.5	115.0	111.4
57.5°	*276.7*	*252.1*	*228.4*	*204.6*	*180.9*	*157.1*	*145.7*	*134.3*	*122.9*	*111.4*	*107.8*
60°	275.2	250.1	226.3	202.5	178.5	154.7	142.6	130.6	118.4	106.3	102.7
62.5°	268.2	244.9	221.5	198.1	174.8	151.4	138.7	125.9	113.2	100.4	96.5
65°	255.3	233.3	210.8	188.2	165.7	143.1	130.3	117.5	104.5	91.7	88.2
67.5°	235.2	214.3	193.6	172.8	152.1	131.3	119.0	106.6	94.2	81.9	78.6
70°	208.5	190.0	171.9	153.8	135.7	117.6	106.2	94.7	83.2	71.8	68.6
72.5°	178.7	163.4	148.1	132.7	117.3	101.9	91.7	81.3	71.0	60.6	57.6
75°	146.0	133.9	121.1	108.4	95.6	82.8	74.2	65.6	57.0	48.4	46.0
77.5°	111.1	102.1	92.1	82.2	72.2	62.3	55.8	49.2	42.7	36.0	34.1
80°	74.9	68.5	62.0	55.3	48.9	42.2	37.8	33.6	29.3	24.9	23.4
82.5°	45.1	41.5	37.5	33.6	29.6	25.6	23.1	20.4	17.8	15.1	14.2
85°	20.7	19.0	17.3	15.7	13.9	12.2	11.2	10.0	8.9	7.7	7.4
87.5°	5.0	4.8	4.7	4.4	4.2	3.9	3.9	3.9	3.8	3.8	3.8
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0	62.0
5°	60.9	61.1	61.2	61.4	61.5	61.5	61.7	61.8	61.8	62.0	62.0
7.5°	59.9	60.2	60.5	60.6	60.8	60.9	61.1	61.2	61.2	61.4	61.4
10°	59.1	59.6	60.0	60.2	60.5	60.6	60.8	60.8	60.9	60.9	60.9
12.5°	60.0	60.6	61.1	61.2	61.4	61.4	61.5	61.5	61.4	61.4	61.2
15°	61.8	62.4	62.9	62.9	63.0	63.0	63.0	62.9	62.7	62.6	62.4
17.5°	63.8	64.2	64.7	64.7	64.8	64.8	64.8	64.7	64.4	64.2	63.9
20°	66.5	66.6	66.6	66.8	66.8	66.9	66.9	66.6	66.2	65.9	65.4
22.5°	69.8	69.5	69.1	69.1	69.1	68.9	68.9	68.5	68.0	67.4	66.9
25°	73.9	73.1	72.2	71.9	71.6	71.2	70.9	70.3	69.8	69.2	68.6
27.5°	78.0	76.6	75.4	74.8	74.0	73.4	72.7	72.1	71.5	70.9	70.3
30°	81.7	80.1	78.6	77.5	76.4	75.4	74.3	73.7	73.0	72.4	71.6
32.5°	85.2	83.5	81.7	80.4	79.0	77.5	76.1	75.4	74.6	73.9	73.1
35°	88.7	86.9	84.9	83.2	81.4	79.8	78.0	77.0	76.3	75.4	74.5
37.5°	92.3	90.0	87.9	85.9	84.0	81.9	79.9	78.9	78.0	76.9	75.8
40°	95.9	93.5	91.1	88.8	86.5	84.3	82.0	80.8	79.8	78.6	77.4
42.5°	99.1	96.3	93.6	91.2	89.0	86.5	84.1	82.8	81.4	79.9	78.6
45°	102.5	99.5	96.5	93.9	91.2	88.7	85.9	84.4	82.9	81.4	79.9
47.5°	105.5	102.4	99.1	96.2	93.5	90.6	87.8	86.1	84.4	82.8	81.1
50°	107.2	103.7	100.4	97.4	94.5	91.5	88.5	86.7	85.0	83.2	81.4
52.5°	108.3	104.8	101.2	98.2	95.0	92.0	88.8	87.0	85.2	83.2	81.4
55°	107.7	104.0	100.3	97.3	94.1	91.1	87.9	85.9	84.1	82.2	80.2
57.5°	*104.2*	*100.4*	*96.8*	*93.9*	*91.1*	*88.2*	*85.3*	*83.4*	*81.6*	*79.6*	*77.7*
60°	99.1	95.3	91.7	89.0	86.4	83.7	81.0	79.2	77.5	75.7	73.9
62.5°	92.7	88.8	84.9	82.6	80.4	78.0	75.7	74.0	72.4	70.7	69.1
65°	84.6	81.1	77.5	75.4	73.3	71.2	69.1	67.6	66.0	64.4	62.9
67.5°	75.4	72.1	68.8	66.8	64.8	62.9	60.9	59.6	58.4	57.0	55.6
70°	65.4	62.1	59.0	57.3	55.8	54.1	52.5	51.4	50.4	49.2	48.1
72.5°	54.7	51.7	48.7	47.5	46.1	44.9	43.6	42.5	41.5	40.4	39.4
75°	43.4	41.0	38.4	37.5	36.6	35.6	34.7	33.8	32.9	31.8	30.9
77.5°	32.1	30.2	28.2	27.6	27.0	26.4	25.8	25.0	24.3	23.4	22.6
80°	21.9	20.4	18.8	18.5	18.2	17.8	17.5	16.7	16.1	15.4	14.6
82.5°	13.3	12.4	11.5	11.3	11.2	10.9	10.7	10.1	9.5	8.7	8.1
85°	6.9	6.6	6.2	6.2	6.0	6.0	5.9	5.4	5.0	4.4	3.9
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.9	2.3	1.8
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	61.8	61.8
2.5°	62.0	62.0
5°	62.1	62.1
7.5°	61.4	61.4
10°	60.9	60.9
12.5°	61.2	61.1
15°	62.4	62.3
17.5°	63.8	63.5
20°	65.3	65.0
22.5°	66.6	66.3
25°	68.3	67.9
27.5°	69.8	69.4
30°	71.2	70.7
32.5°	72.5	71.9
35°	73.9	73.3
37.5°	75.2	74.5
40°	76.6	75.8
42.5°	77.8	77.0
45°	79.2	78.4
47.5°	80.4	79.6
50°	80.7	79.8
52.5°	80.7	79.8
55°	79.5	78.6
57.5°	*76.7*	*75.7*
60°	72.8	71.8
62.5°	68.2	67.1
65°	61.7	60.5
67.5°	54.6	53.4
70°	47.2	46.1
72.5°	38.3	37.2
75°	30.0	29.1
77.5°	21.7	20.7
80°	13.9	13.1
82.5°	7.4	6.6
85°	3.0	2.1
87.5°	1.1	0.3
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: P1445209
CATALOG NUMBER: TPTN-VA0-735-U-RW-CG-GM

CANDELA DISTRIBUTION (continued):

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

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

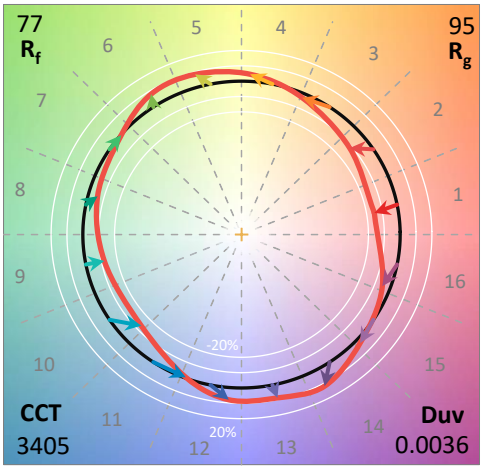
Test Information

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

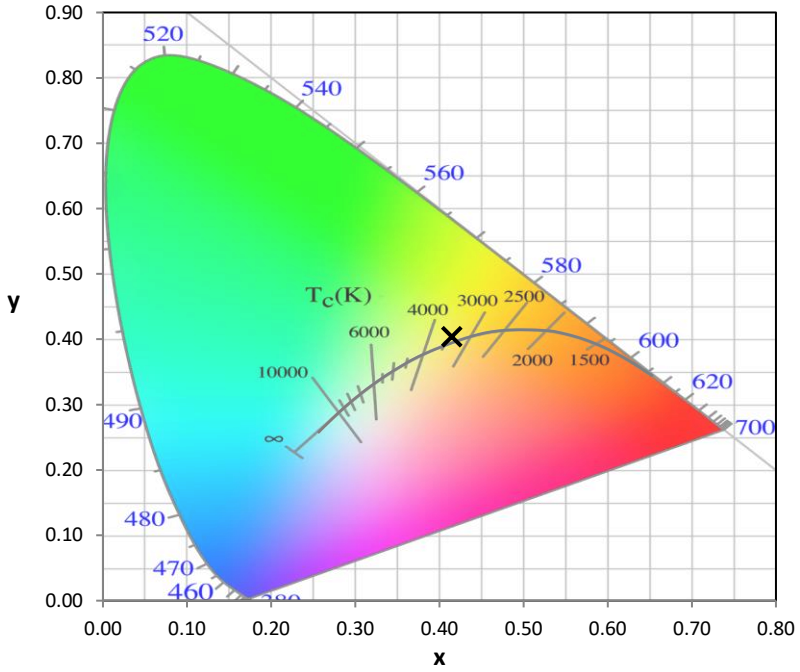
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2411-284-1

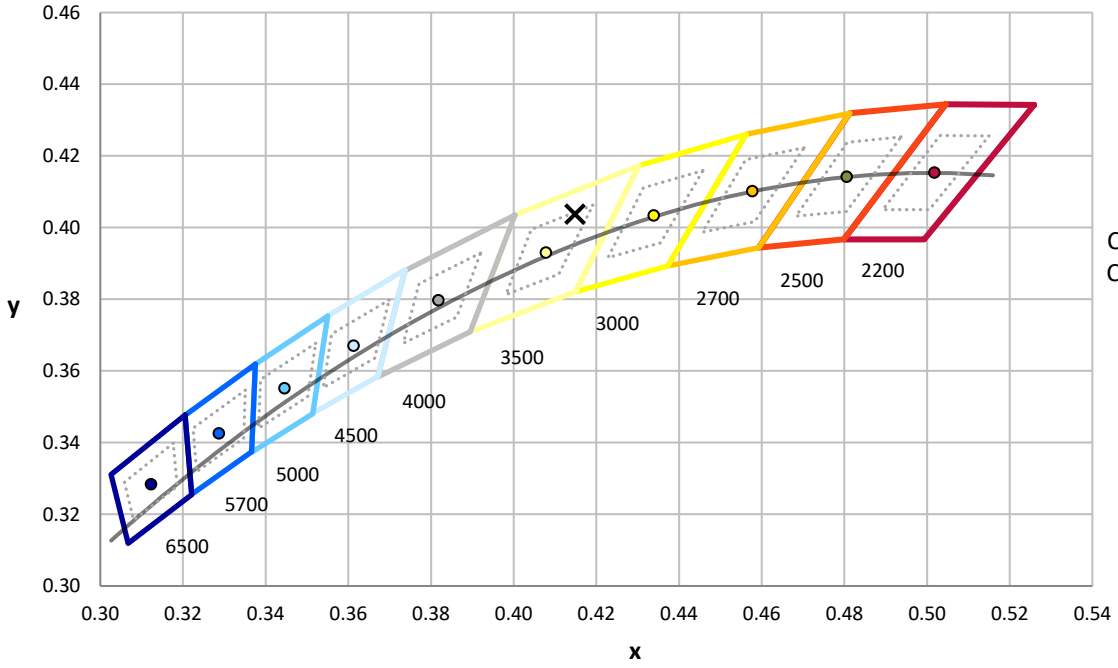
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

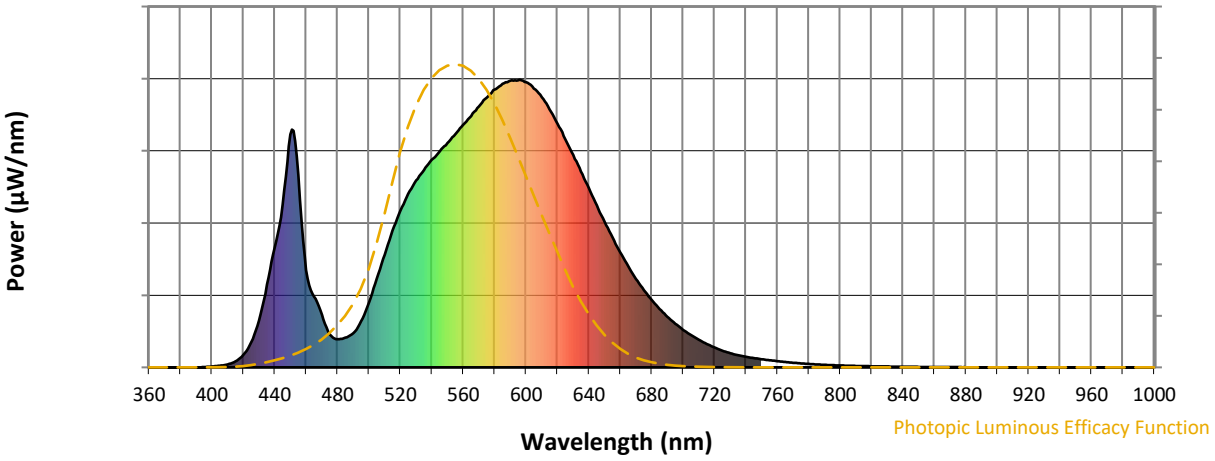


CCT = 3405K
CIE x = 0.4148
CIE y = 0.4038
Duv = 0.0036

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2411-284-1

Photopic Flux vs. Wavelength

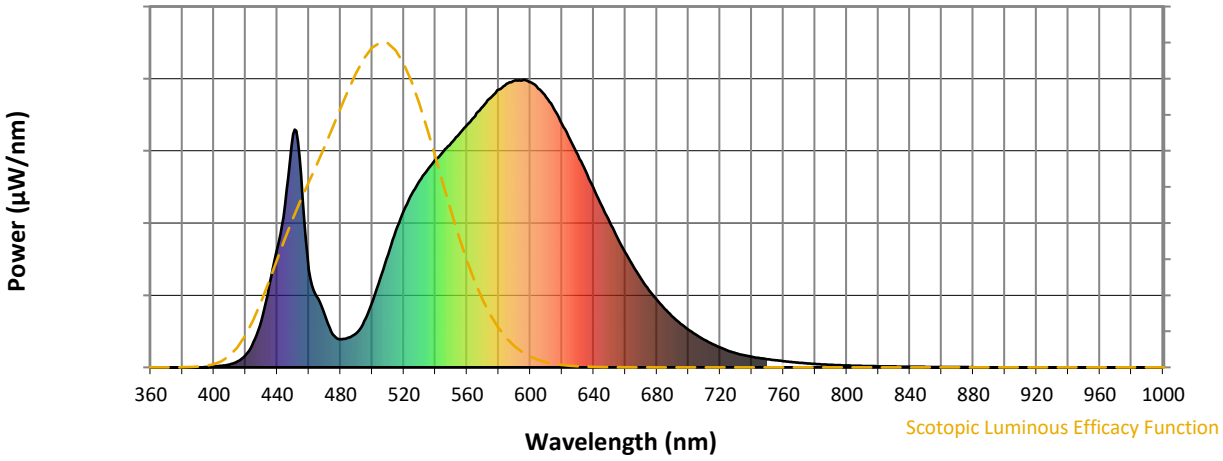


Photopic Lumens: NR

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			

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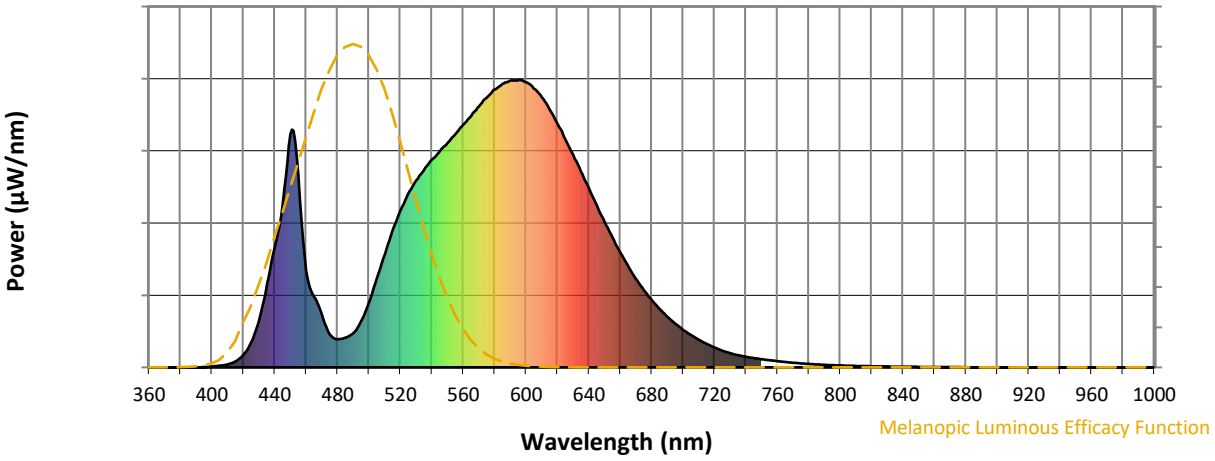
Melanopic Flux vs. Wavelength



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			

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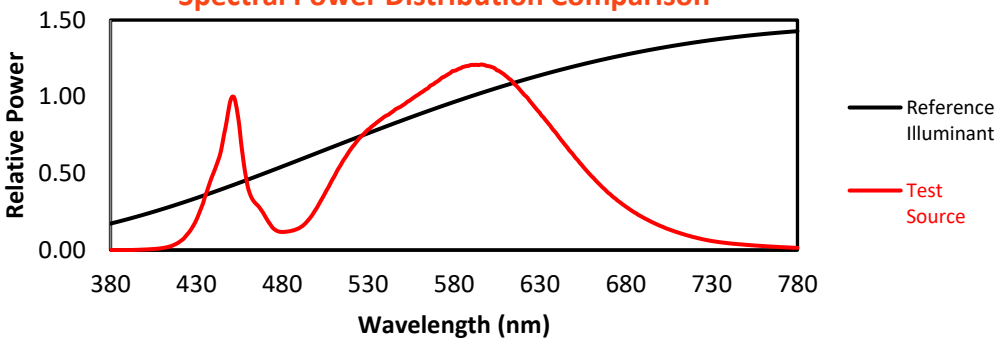
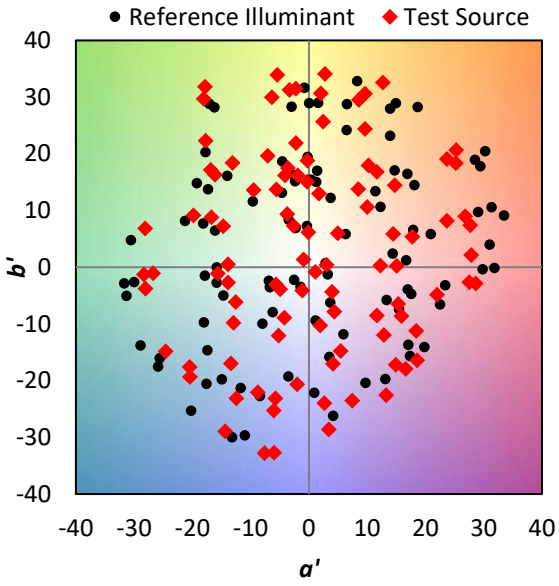
Summary

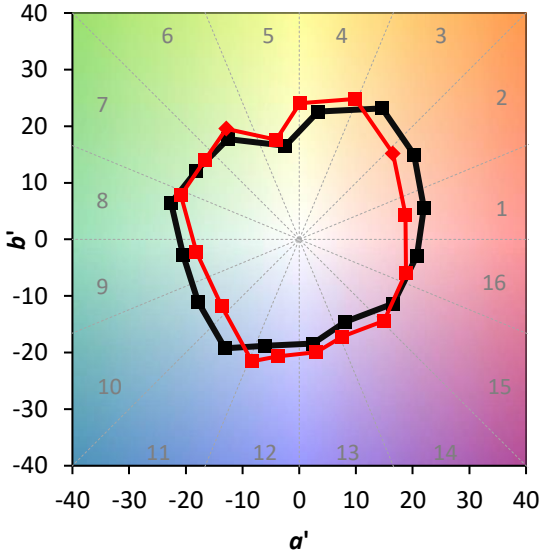
R_f = 76.6
R_g = 95.4
CIE R_a = 73.9
R_9 = -18.0

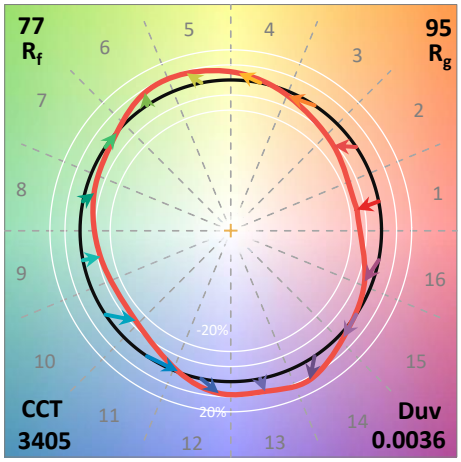
Spectral Power Distribution Comparison

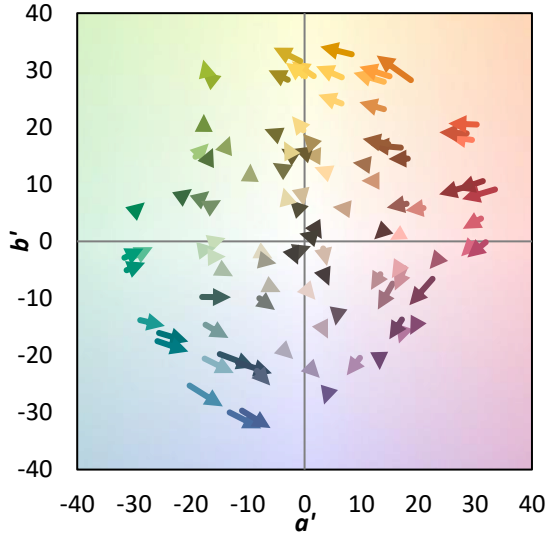


Color Vector Graphics









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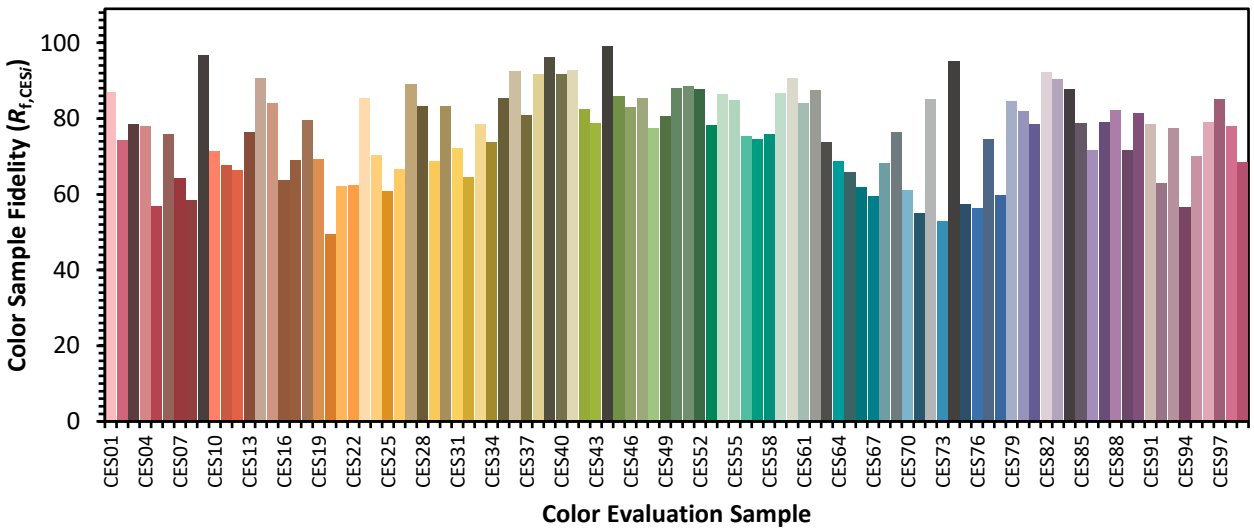
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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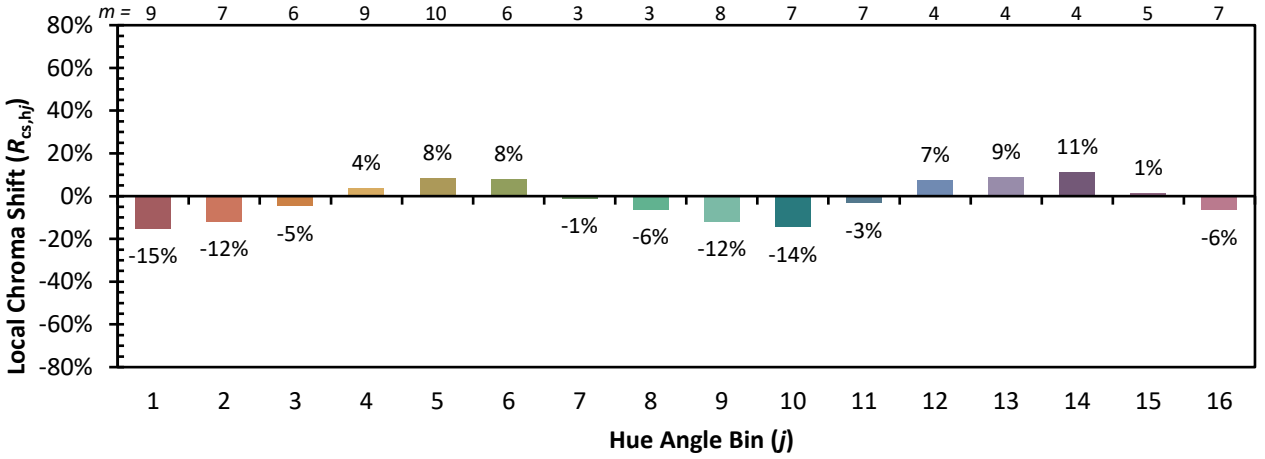
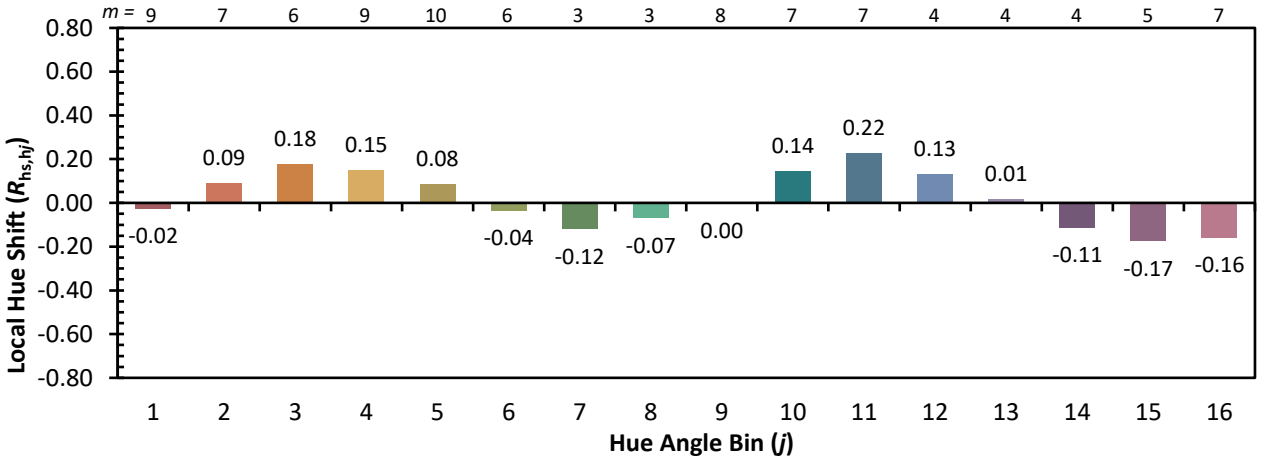
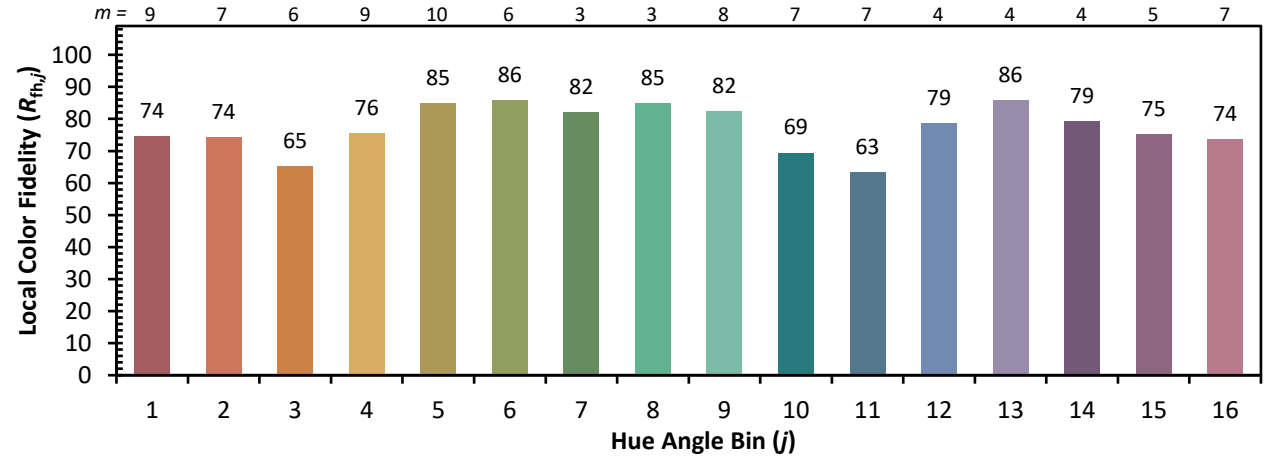
Color Rendition by Hue-Angle Bin







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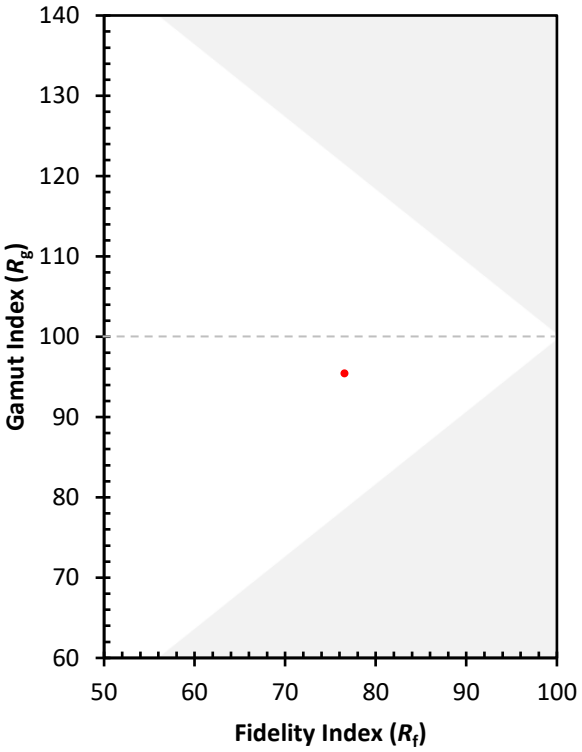
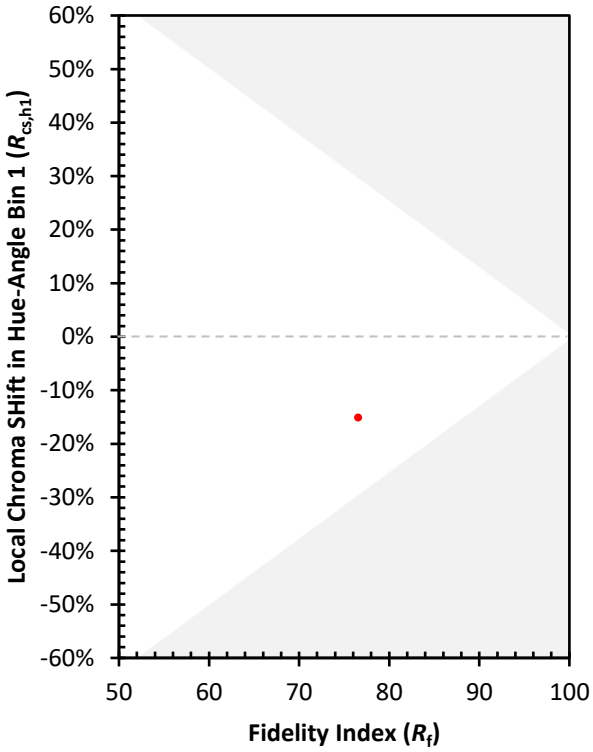
Measure Comparisons





(END OF REPORT)