

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

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Peachtree City, GA 30269

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1445241

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

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445241
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: TPTN-VA0-735-U-DL-CG-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 9W 70CRI 3500K w/
DRIVE LANE TYPE IV DISTRIBUTION OPTIC AND GLASS
Light Source: 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 740 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - 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

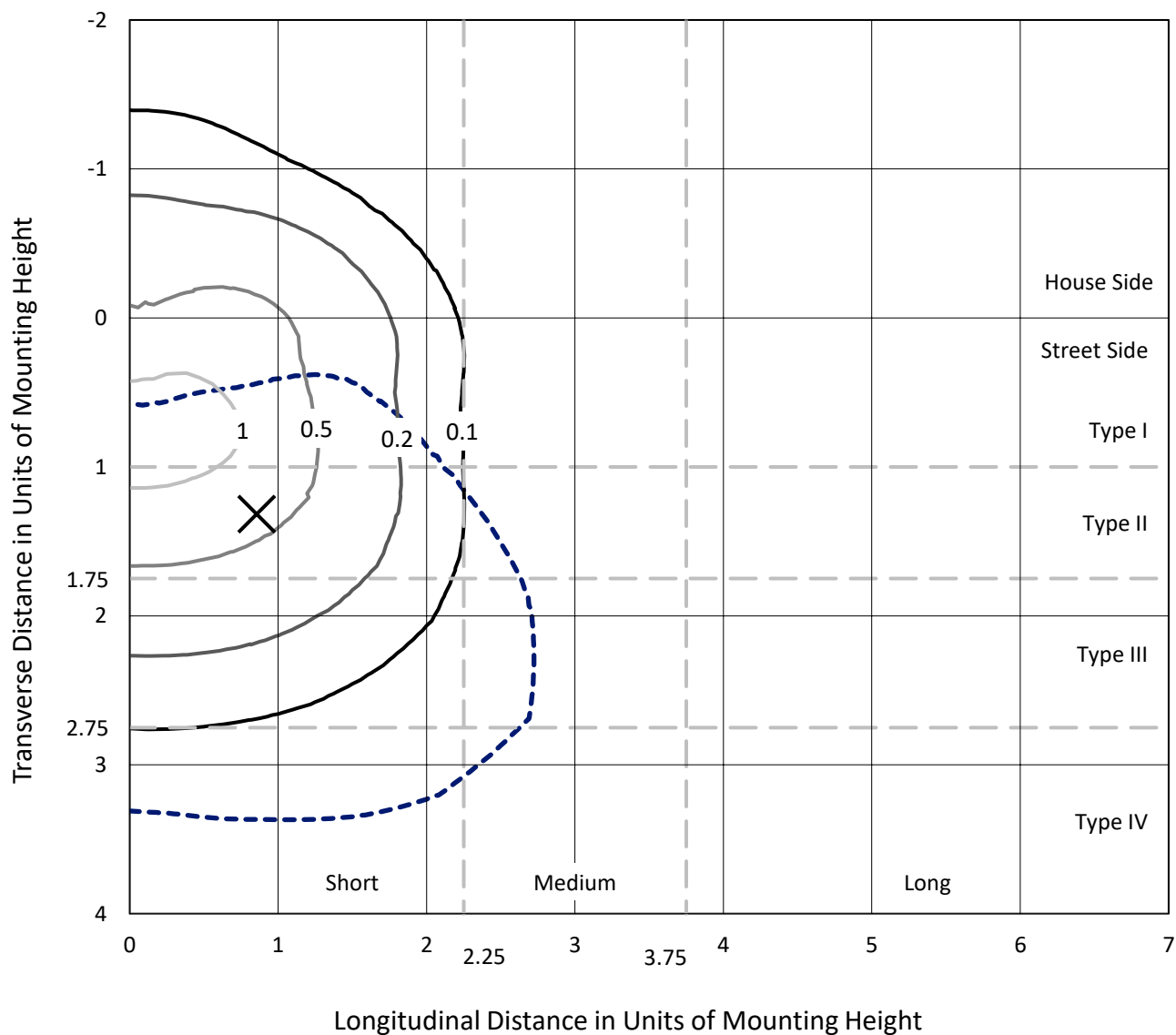
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



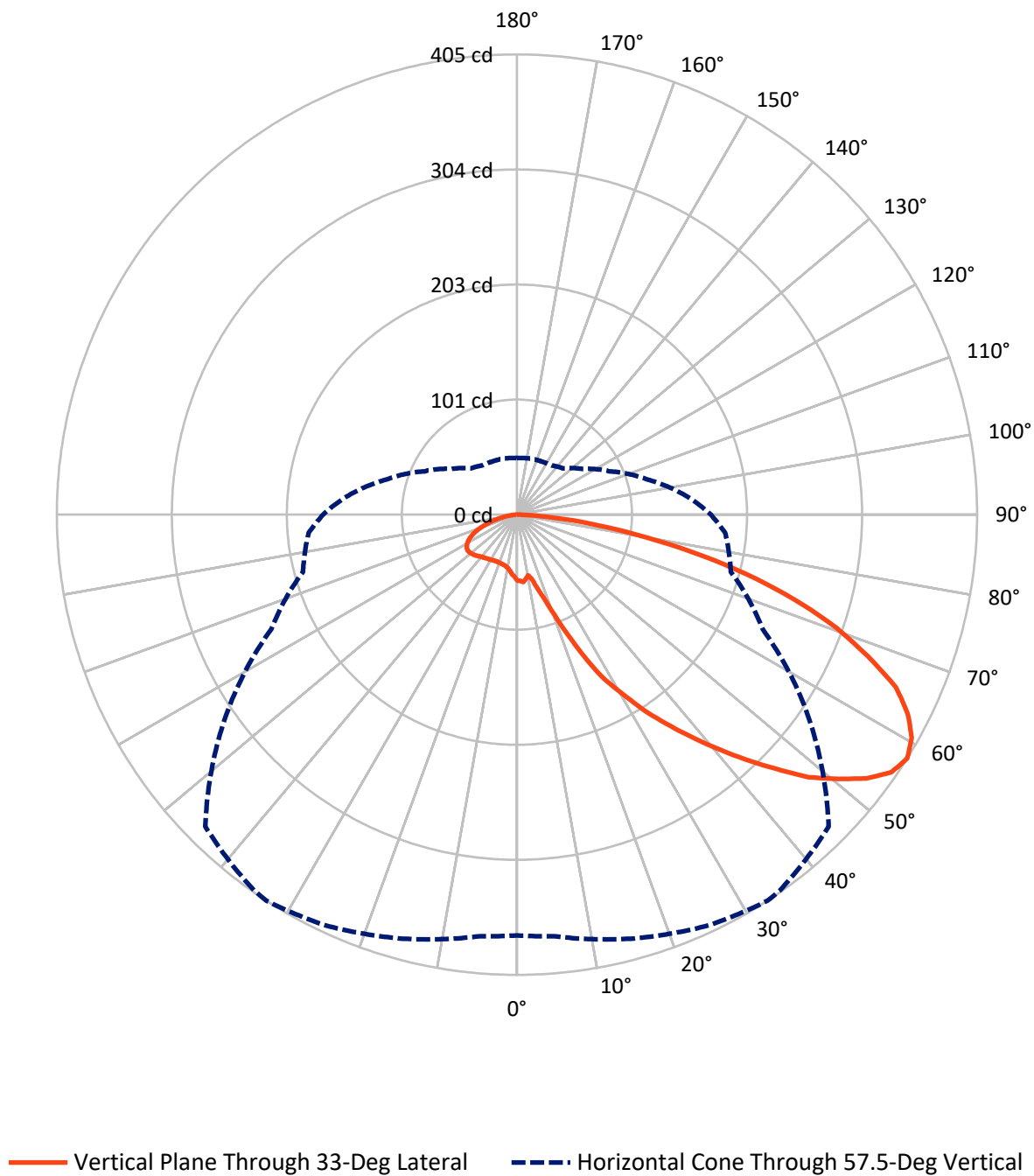
Based on 10 foot mounting height. Maximum calculated value = 1.3 fc

Type IV - Short - N/A

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CATALOG NUMBER: TPTN-VA0-735-U-DL-CG-GM

Luminous Intensity Polar Plot



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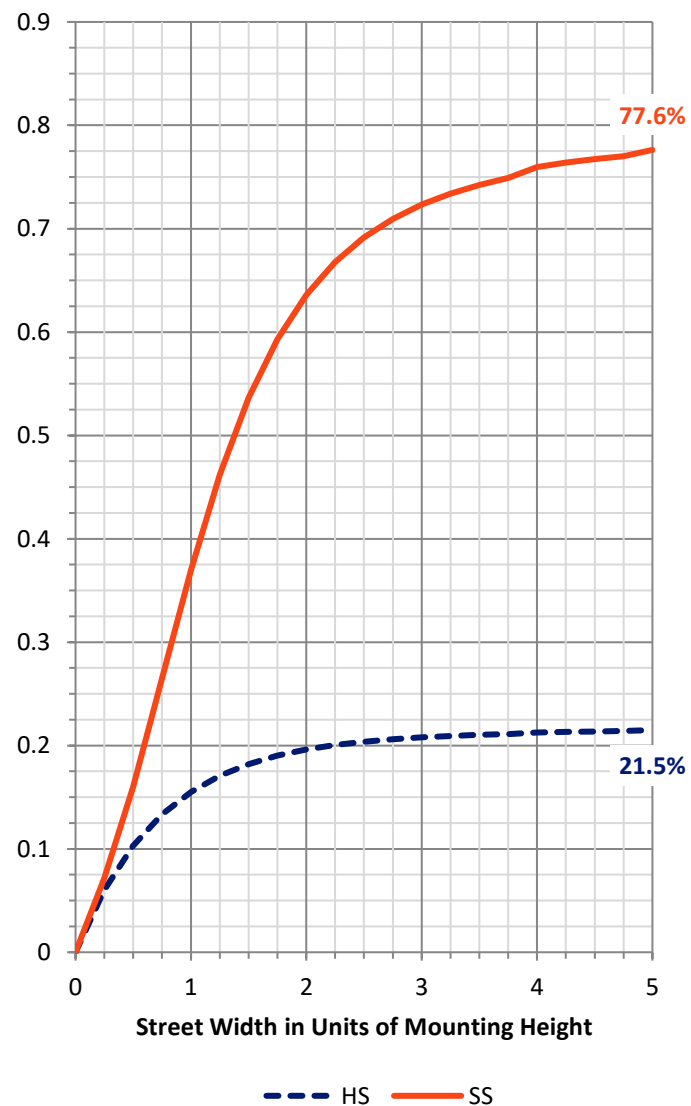
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	160.2	0.0	160.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	579.8	0.0	579.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	740.0	0.0	740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.7
10°-20°	16.7	2.3
20°-30°	41.2	5.6
30°-40°	80.0	10.8
40°-50°	130.1	17.6
50°-60°	175.9	23.8
60°-70°	171.3	23.1
70°-80°	100.9	13.6
80°-90°	18.6	2.5
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°	740.0	100.0
0°-180°	740.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1445241

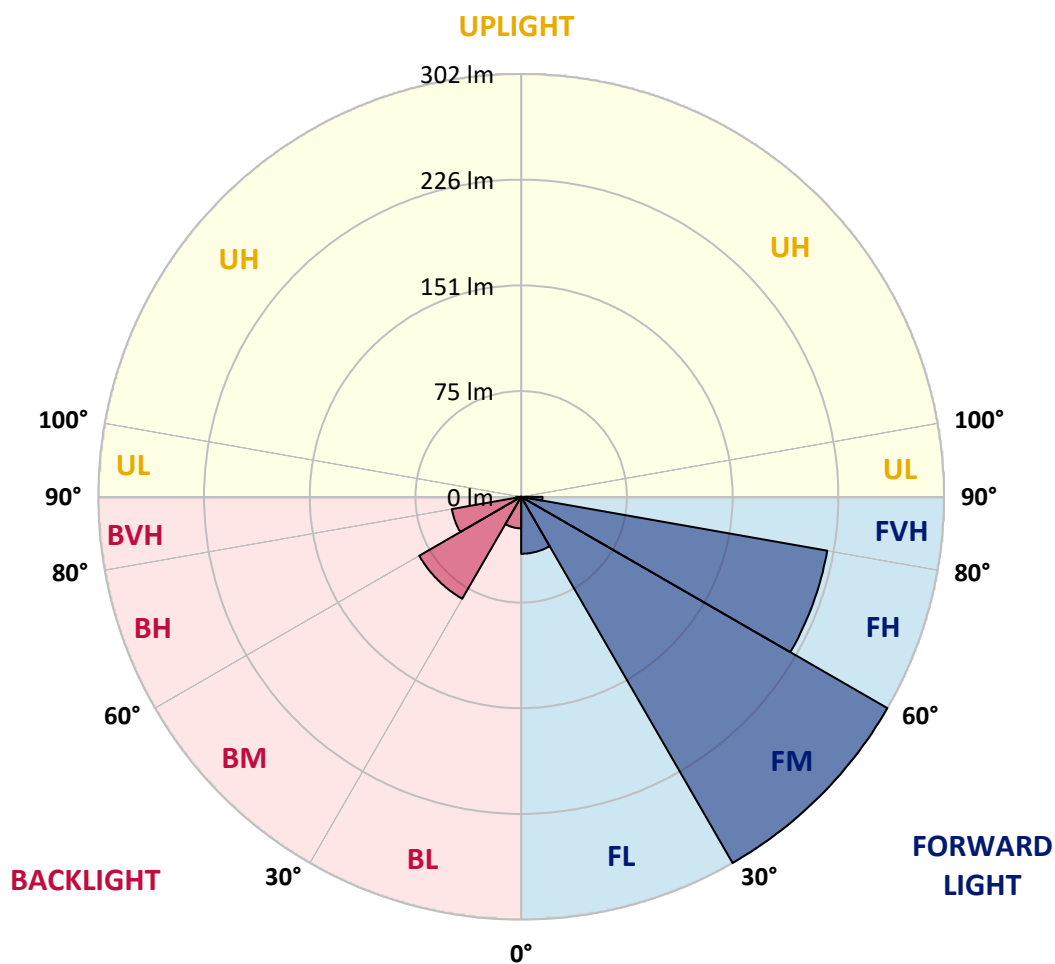
CATALOG NUMBER: TPTN-VA0-735-U-DL-CG-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.7	5.5			
FM	(30°-60°)	302.0	40.8			
FH	(60°-80°)	221.9	30.0			G0/660
FVH	(80°-90°)	15.2	2.1			G1/100
BL	(0°-30°)	22.5	3.0	B0/110		
BM	(30°-60°)	84.1	11.4	B0/220		
BH	(60°-80°)	50.3	6.8	B0/110		G0/110
BVH	(80°-90°)	3.4	0.5			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



REPORT NUMBER: P1445241

CATALOG NUMBER: TPTN-VA0-735-U-DL-CG-GM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
2.5°	58.9	58.7	58.7	58.6	58.4	58.4	58.3	58.1	57.8	57.5	57.2
5°	61.7	61.4	60.8	60.2	59.6	59.6	59.3	59.2	58.9	58.7	58.4
7.5°	58.9	58.9	58.6	57.8	56.9	56.8	55.5	55.0	55.5	55.3	55.5
10°	60.2	60.0	58.4	56.5	54.3	53.9	52.7	52.2	53.1	54.0	54.7
12.5°	64.7	64.7	63.0	60.5	58.1	57.5	55.0	54.1	54.3	55.3	56.2
15°	72.2	72.2	70.9	68.9	66.7	65.5	61.7	59.2	58.4	58.9	59.7
17.5°	83.7	83.1	83.9	80.9	78.0	77.0	70.9	66.4	64.4	64.6	64.9
20°	101.4	101.1	101.1	99.2	94.0	92.0	83.9	75.8	72.4	72.0	71.7
22.5°	123.9	123.2	123.5	121.1	114.8	113.0	100.5	89.2	82.3	80.2	80.0
25°	149.8	149.9	150.2	147.0	139.5	137.9	121.2	104.8	93.9	89.9	88.9
27.5°	176.0	176.0	174.2	169.5	164.1	161.3	143.2	122.0	106.8	100.9	98.1
30°	199.5	199.4	195.5	188.6	183.0	181.1	161.1	138.2	119.2	110.4	106.8
32.5°	222.3	221.9	215.1	209.1	205.1	202.2	180.5	153.8	131.1	119.3	114.9
35°	245.6	242.9	235.1	230.1	225.9	222.5	201.0	169.7	142.9	128.9	123.3
37.5°	266.0	265.3	256.2	252.3	247.5	245.7	222.9	186.0	155.4	138.5	132.4
40°	286.0	285.7	278.5	274.7	270.4	267.9	246.2	203.8	169.1	148.9	142.1
42.5°	304.0	304.6	300.8	298.3	294.6	292.7	269.9	222.5	182.3	158.8	151.6
45°	324.1	324.3	323.6	322.5	319.1	319.3	295.3	242.3	197.2	169.5	161.4
47.5°	342.7	343.9	345.6	345.8	345.5	344.0	322.4	261.3	211.1	179.2	170.7
50°	355.9	357.8	364.3	366.4	365.8	365.3	344.0	280.6	222.3	187.8	177.2
52.5°	368.6	370.1	379.5	386.1	385.9	384.9	364.5	297.4	233.2	193.8	183.2
55°	374.8	375.6	387.9	398.5	400.4	400.5	383.0	309.6	239.4	197.6	186.3
57.5°	370.6	372.7	386.7	399.2	405.4	404.0	388.4	314.4	238.8	195.1	184.2
60°	361.1	364.0	377.4	391.7	399.6	397.7	383.2	312.5	233.5	188.8	179.7
62.5°	346.5	350.2	363.3	377.1	386.5	387.1	373.4	306.8	223.7	181.0	172.4
65°	318.6	323.4	342.8	358.0	367.0	369.2	354.3	293.1	210.9	169.2	159.1
67.5°	288.0	291.2	306.8	329.0	333.7	336.8	328.1	270.4	194.2	150.7	142.7
70°	253.1	258.1	270.4	292.2	298.4	300.6	295.5	242.5	170.4	130.2	125.8
72.5°	214.1	216.1	230.1	246.5	255.9	258.7	253.2	210.3	144.2	108.6	105.2
75°	167.9	171.1	181.9	198.1	208.4	207.6	206.7	172.2	114.2	86.5	83.1
77.5°	124.6	126.4	136.8	148.6	157.0	157.7	157.4	131.2	85.6	63.0	60.6
80°	81.4	83.6	91.2	100.5	106.1	108.6	107.7	91.5	58.7	42.4	40.6
82.5°	46.1	46.6	52.4	57.4	64.3	63.9	65.6	55.8	35.8	24.9	22.7
85°	16.3	17.4	20.3	25.6	28.4	30.3	30.6	26.2	16.0	11.2	8.4
87.5°	1.6	1.6	2.8	4.1	5.3	5.6	5.7	5.9	4.7	3.7	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445241

CATALOG NUMBER: TPTN-VA0-735-U-DL-CG-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
2.5°	57.2	56.9	56.4	55.8	55.6	55.0	54.9	54.7	54.4	54.4	54.3
5°	57.8	57.5	56.6	55.6	54.6	53.7	53.0	52.2	51.6	51.2	51.2
7.5°	55.8	55.9	55.9	55.2	53.7	52.1	50.2	48.7	47.4	46.8	46.5
10°	54.9	55.3	55.2	54.4	53.0	50.8	48.3	45.9	44.0	42.8	42.7
12.5°	56.5	56.5	56.1	54.9	52.8	50.0	47.1	44.0	41.8	40.5	40.3
15°	60.0	59.9	58.3	56.1	53.1	49.9	46.5	43.1	40.3	38.8	38.7
17.5°	65.0	64.3	61.7	57.8	53.9	49.9	46.1	42.4	39.4	37.7	37.4
20°	71.2	69.7	65.6	60.0	54.7	50.2	45.8	41.8	38.8	36.9	36.8
22.5°	78.9	76.5	70.0	62.5	56.2	50.8	45.8	41.5	38.7	37.2	37.2
25°	86.5	83.3	75.0	65.3	57.7	51.2	45.8	41.8	39.4	38.4	38.3
27.5°	94.9	90.3	79.9	68.6	59.2	51.8	46.1	41.9	40.2	39.4	39.4
30°	102.6	97.4	84.9	71.7	60.8	52.5	46.6	42.4	40.6	40.3	40.0
32.5°	109.8	103.7	89.6	74.6	62.7	53.3	47.1	42.8	41.2	40.9	40.8
35°	117.7	111.1	93.9	77.4	64.2	54.4	47.7	43.6	41.9	41.6	41.6
37.5°	126.2	118.0	98.9	80.3	65.6	55.6	48.3	44.6	43.0	42.7	42.5
40°	134.5	125.4	103.9	83.3	67.4	56.5	49.0	45.5	44.1	43.8	43.7
42.5°	143.3	132.9	108.7	85.9	69.2	57.4	50.0	46.8	45.6	45.0	44.9
45°	151.4	140.1	113.2	88.7	70.8	58.4	51.2	48.4	47.2	46.6	46.5
47.5°	159.2	146.3	117.3	90.8	72.1	59.2	52.4	49.7	48.9	48.3	48.0
50°	165.5	151.3	120.2	92.1	73.0	59.6	53.3	50.9	50.2	49.3	49.1
52.5°	170.1	155.2	122.3	93.1	73.1	59.6	53.9	52.2	51.4	50.5	50.2
55°	172.3	156.7	122.1	92.7	72.2	59.2	53.9	52.5	51.8	50.8	50.6
57.5°	170.8	154.6	119.3	90.2	70.2	57.5	53.0	51.6	50.9	50.0	50.0
60°	166.3	150.4	114.9	86.4	66.9	54.9	51.1	50.0	49.3	48.6	48.6
62.5°	159.1	144.2	109.3	80.6	63.0	51.8	48.6	47.7	47.2	46.5	46.3
65°	146.6	132.1	101.4	74.6	57.7	47.8	45.0	44.7	44.1	43.1	43.0
67.5°	132.1	118.9	89.8	67.1	51.5	42.8	40.8	40.5	39.9	39.0	39.1
70°	115.9	104.2	77.7	57.8	44.0	37.4	35.6	35.2	34.7	34.6	34.4
72.5°	97.7	87.7	65.0	47.2	36.8	31.5	30.0	29.7	29.4	29.3	29.1
75°	75.9	69.2	51.9	37.2	29.1	25.3	24.0	23.8	23.8	23.5	23.2
77.5°	55.9	50.3	37.8	27.1	21.0	18.4	18.0	18.0	18.1	18.0	17.5
80°	37.1	33.5	24.7	18.0	14.0	12.2	12.2	12.4	12.5	12.4	12.5
82.5°	19.7	18.5	14.0	10.4	8.2	7.2	7.4	7.5	7.8	7.5	7.8
85°	7.2	7.4	6.2	4.7	4.0	3.7	3.8	4.0	4.1	4.0	4.0
87.5°	0.4	1.5	2.5	2.2	1.9	1.9	1.9	1.9	1.9	1.8	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2411-284-1

Test Date: 11/15/2024

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

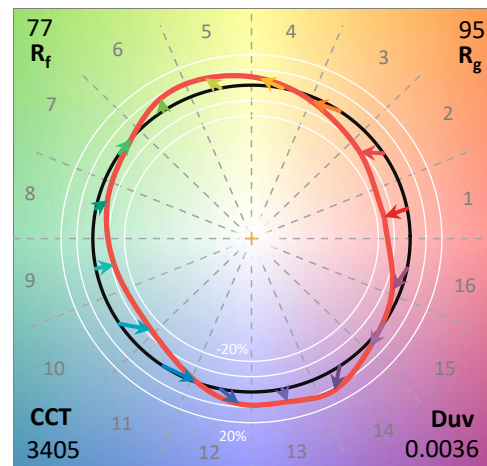
Data in this report applies to families of products including TTN-D0-735-U-WQ

Test Information

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

Spectral Parameters

CCT (K):	3405	CRI (Ra):	73.9		
CIE u':	0.2365	R1:	71.3	R9:	-18.0
CIE v':	0.5180	R2:	80.3	R10:	53.1
Duv:	0.0036	R3:	87.8	R11:	68.6
CIE x:	0.4148	R4:	73.2	R12:	42.6
CIE y:	0.4038	R5:	69.8	R13:	72.5
CIE z:	0.1814	R6:	71.8	R14:	92.7
Peak Wavelength (nm):	596	R7:	82.8	R15:	64.3
Dominant Wavelength (nm):	579	R8:	54.1		
Purity:	45.70672				
Rf:	76.6				
Rg:	95.4				



Test Conditions

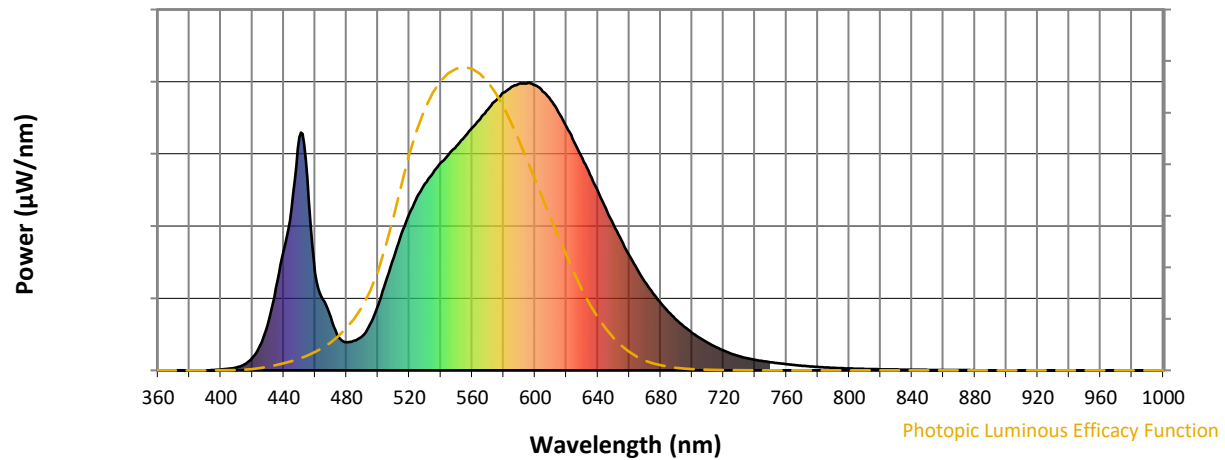
Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 24.9

REPORT NUMBER: SP1-2411-284-1

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

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Photopic Flux vs. Wavelength

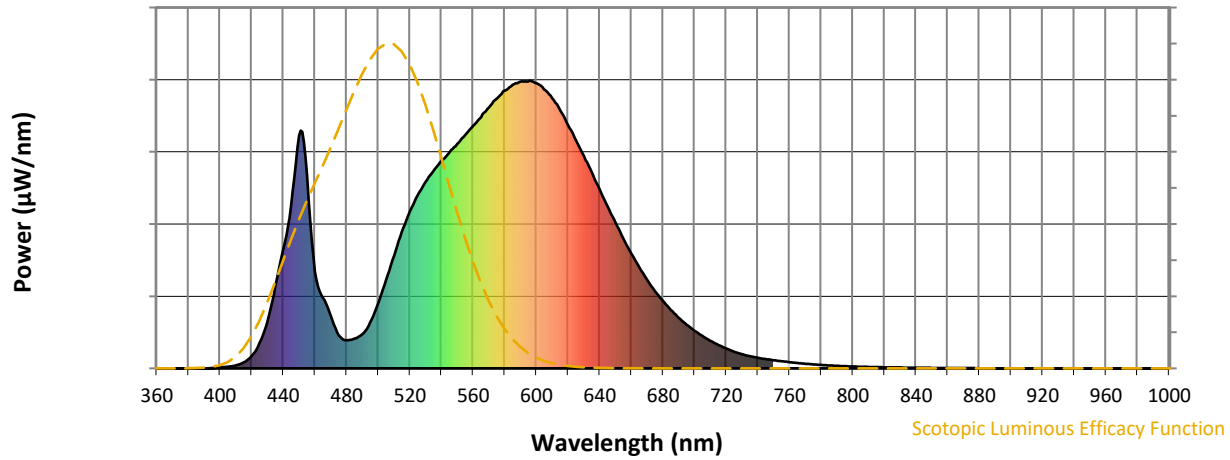


Photopic Lumens: NR

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



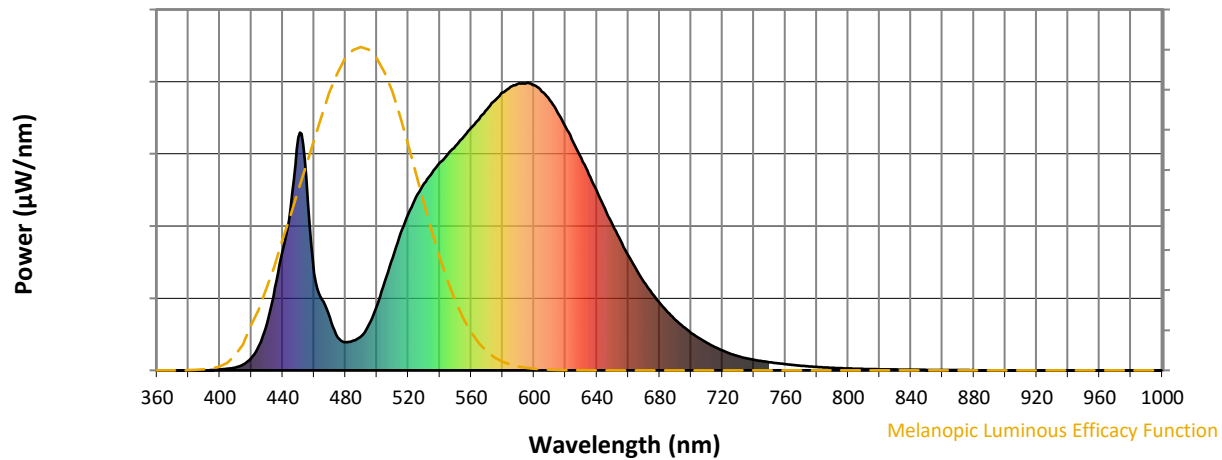
Scotopic Lumens: NR

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

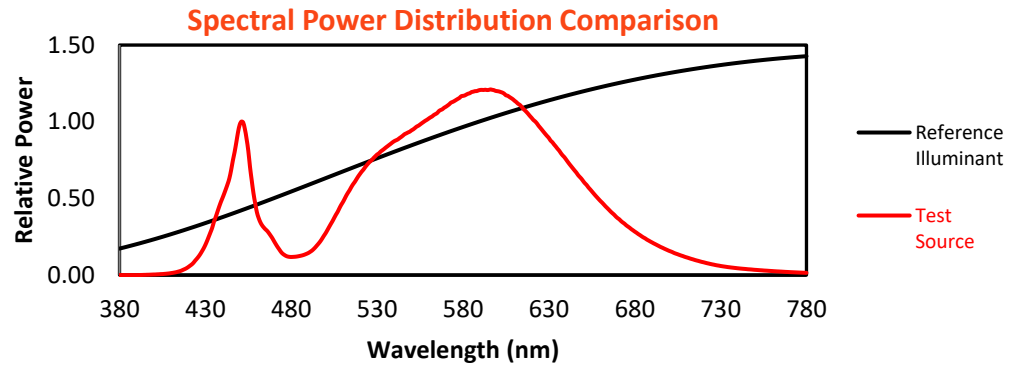
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	846	NR	750	28	NR	880	1	NR
365	0	NR	495	160	NR	625	793	NR	755	25	NR	885	0	NR
370	0	NR	500	225	NR	630	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

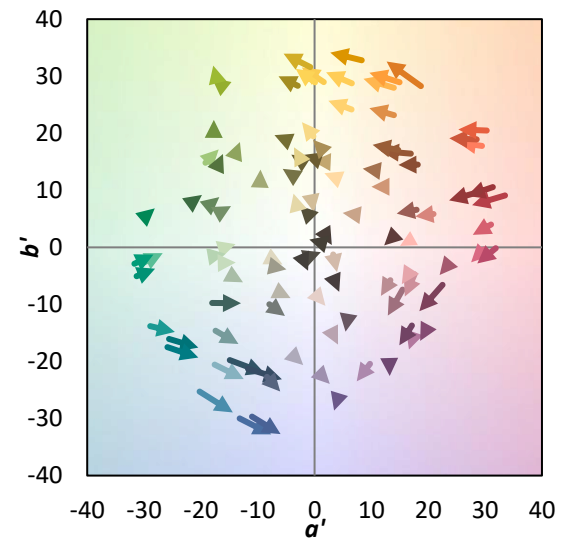
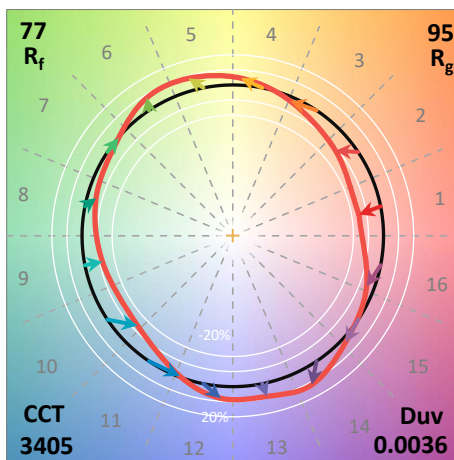
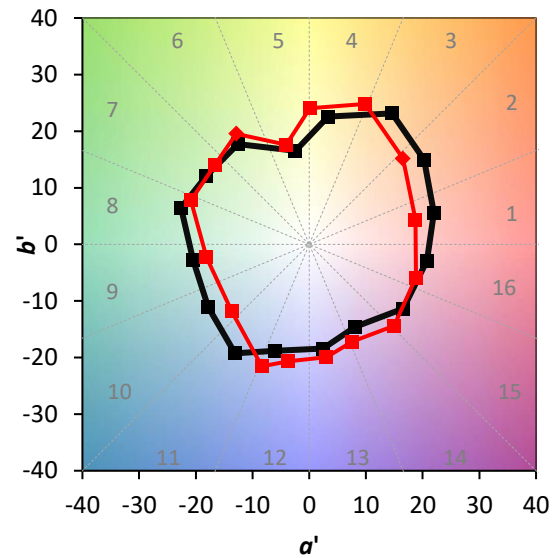
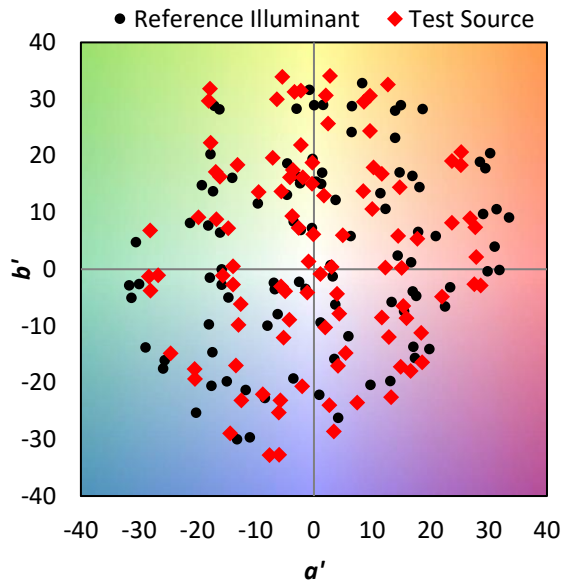
TM-30-18

Summary

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

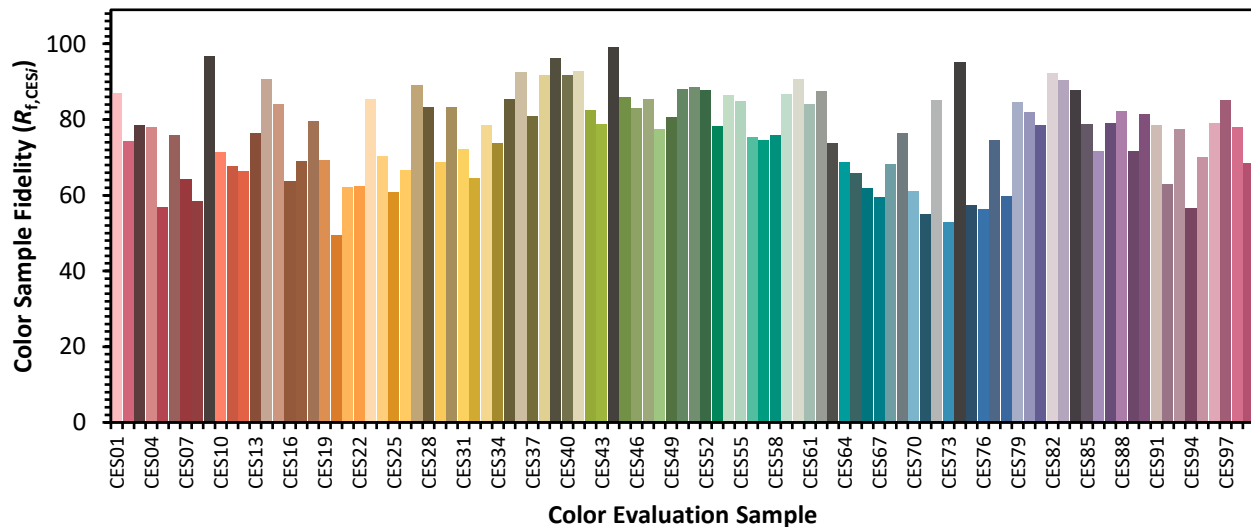


Color Vector Graphics

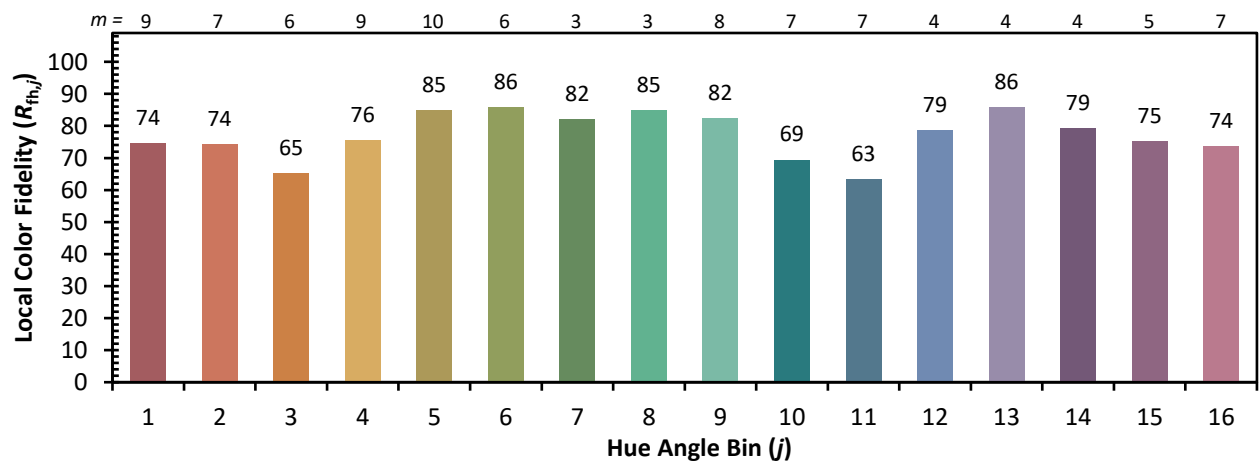
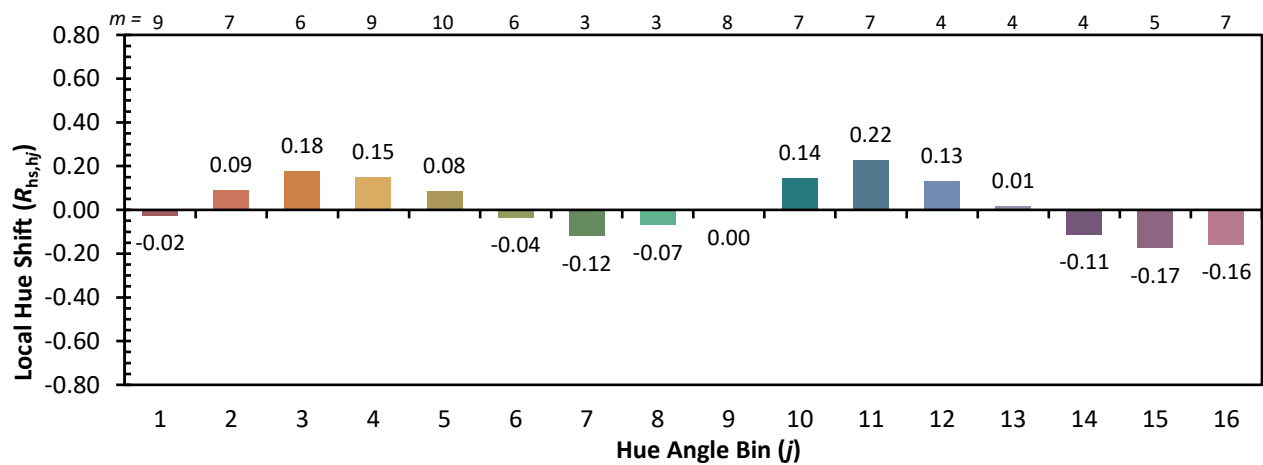
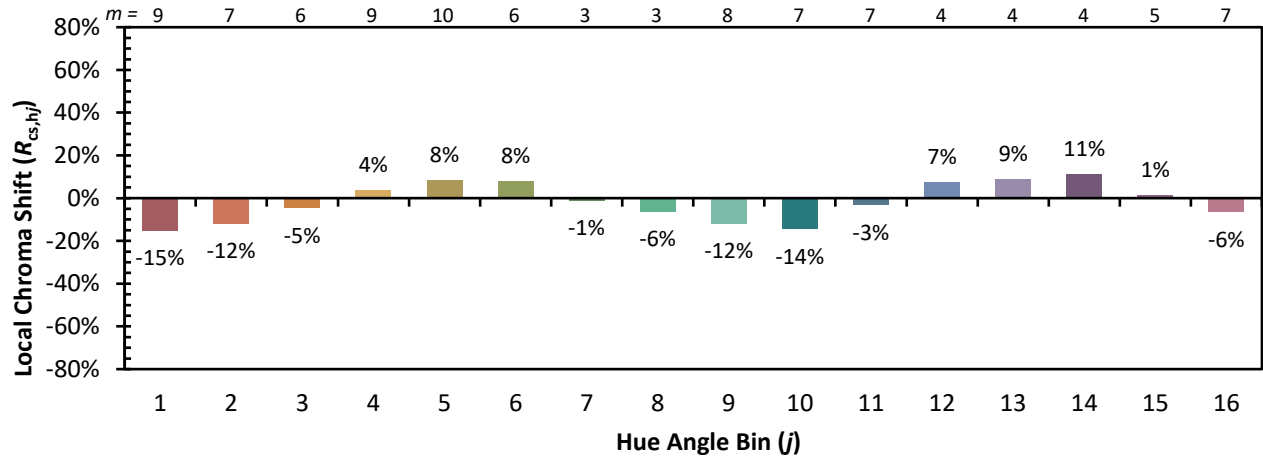


Individual Sample Fidelity Index ($R_{f,i}$)

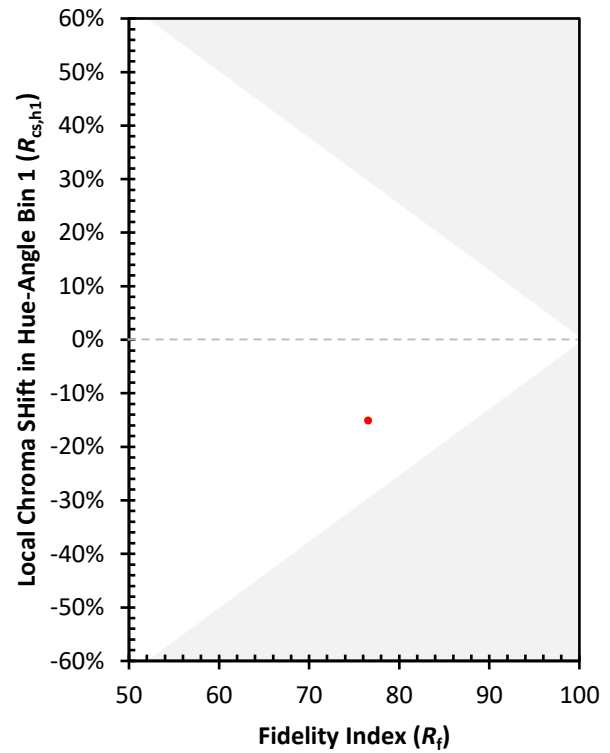
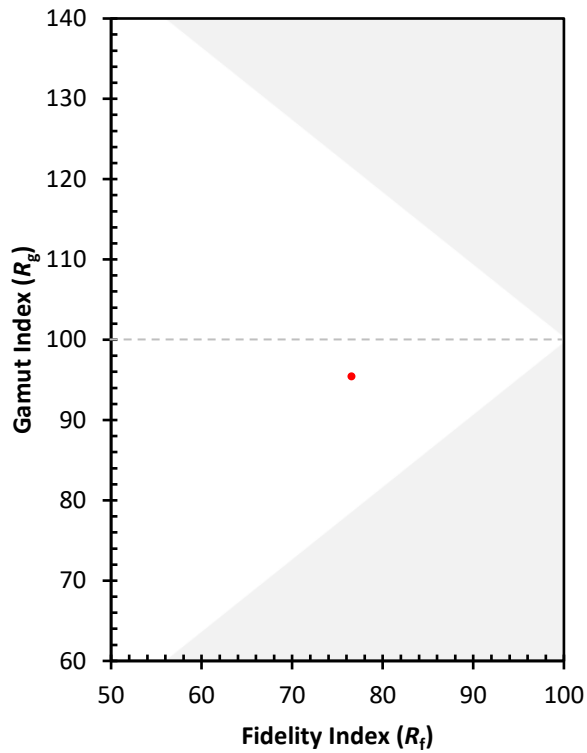
CES01 = 86	CES26 = 67	CES51 = 88	CES76 = 56
CES02 = 62	CES27 = 89	CES52 = 88	CES77 = 75
CES03 = 31	CES28 = 83	CES53 = 78	CES78 = 60
CES04 = 70	CES29 = 69	CES54 = 86	CES79 = 85
CES05 = 48	CES30 = 83	CES55 = 85	CES80 = 82
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 78
CES07 = 41	CES32 = 65	CES57 = 75	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)