

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: P1445245

Luminaire Tested: TPTN-VA0-740-U-DL-CG-GM

Issue Date: 05/21/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445245
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: TPTN-VA0-740-U-DL-CG-GM
Description: TOPTIER NANO SPIDER MOUNT VISUAL COMFORT LED LUMINAIRE 9W 70CRI 4000K w/
DRIVE LANE TYPE IV DISTRIBUTION OPTIC AND GLASS
Light Source: 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 780.6 lumens
Efficiency: N/A
Efficacy: 89.7 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

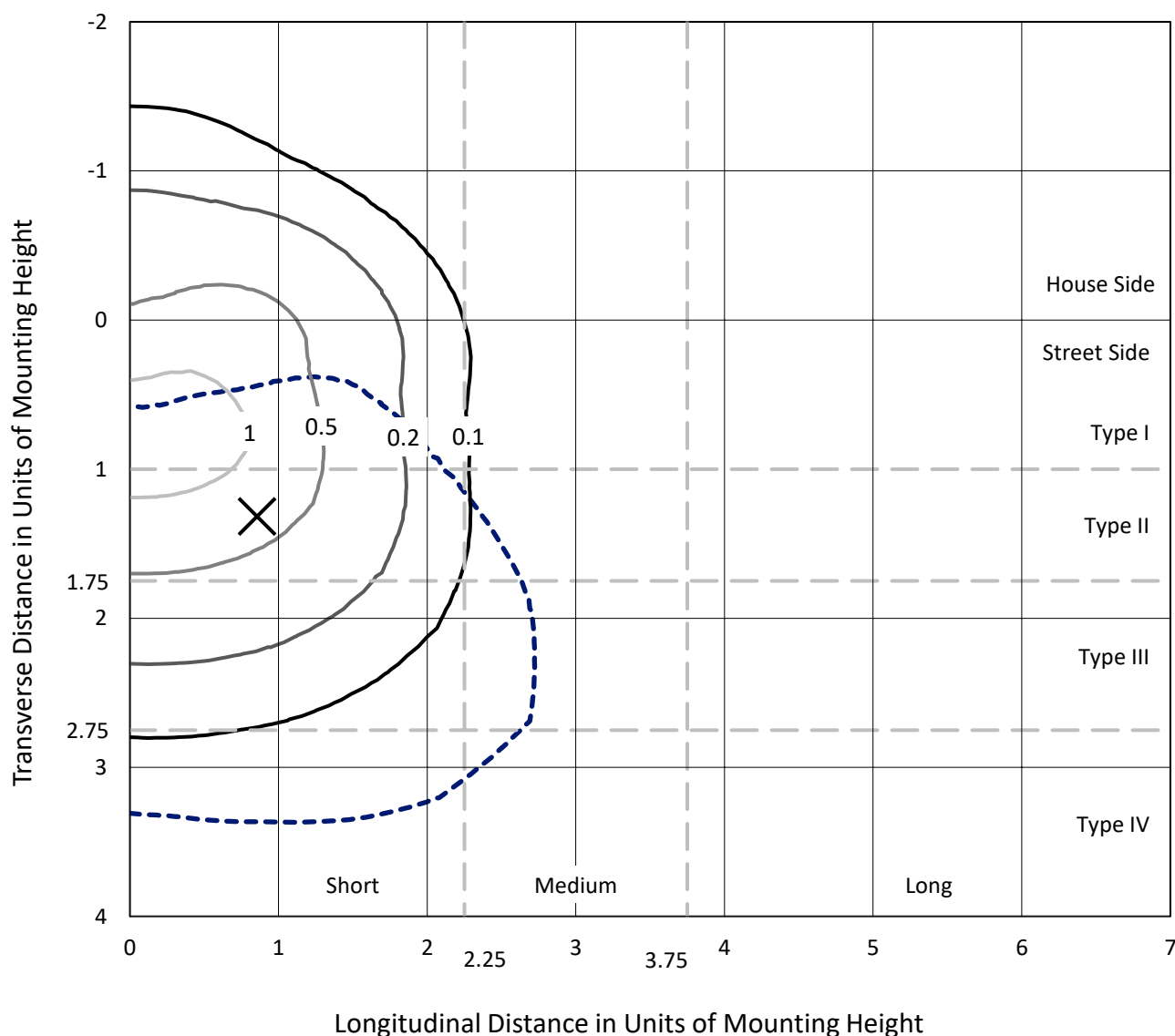
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



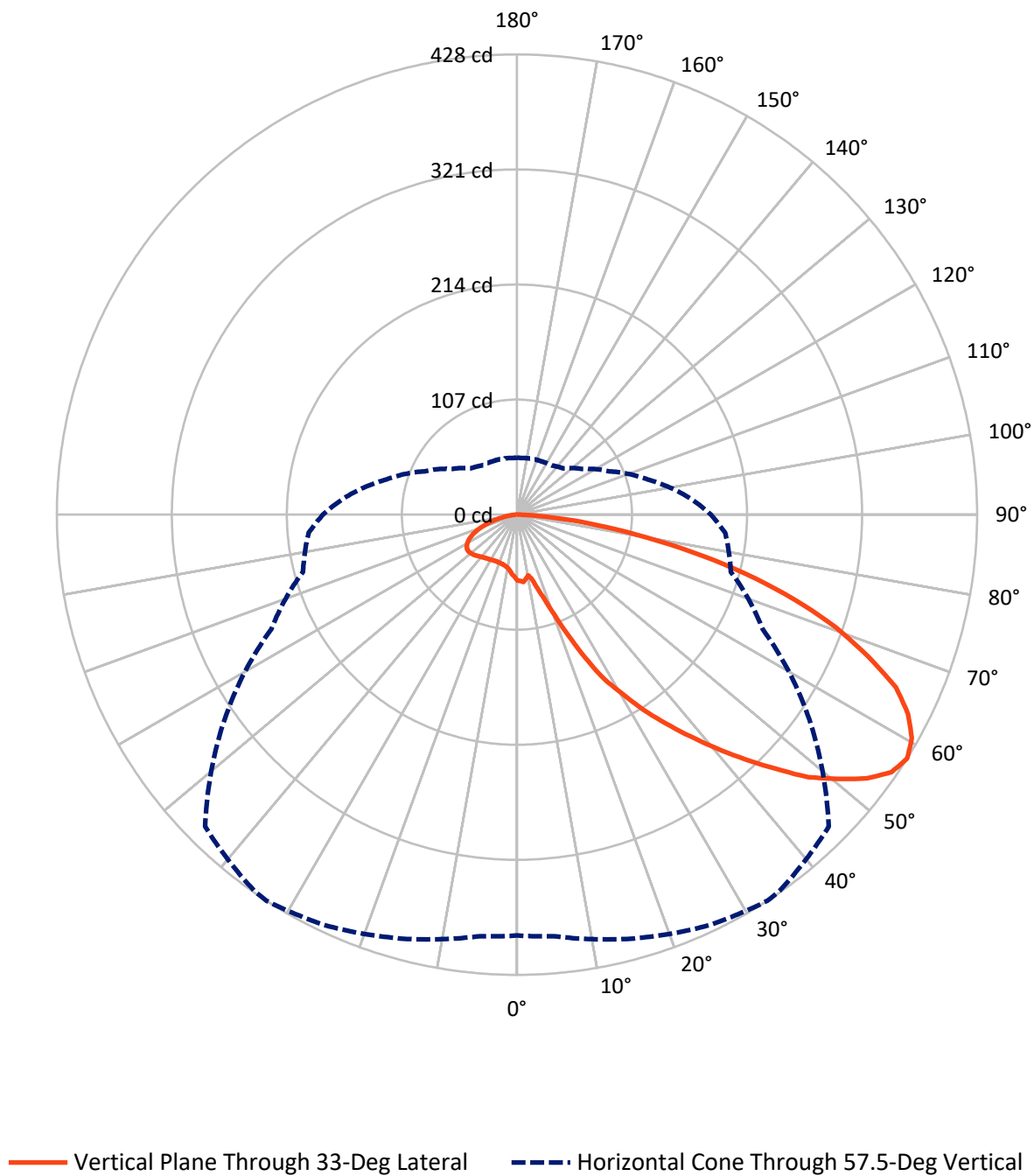
Based on 10 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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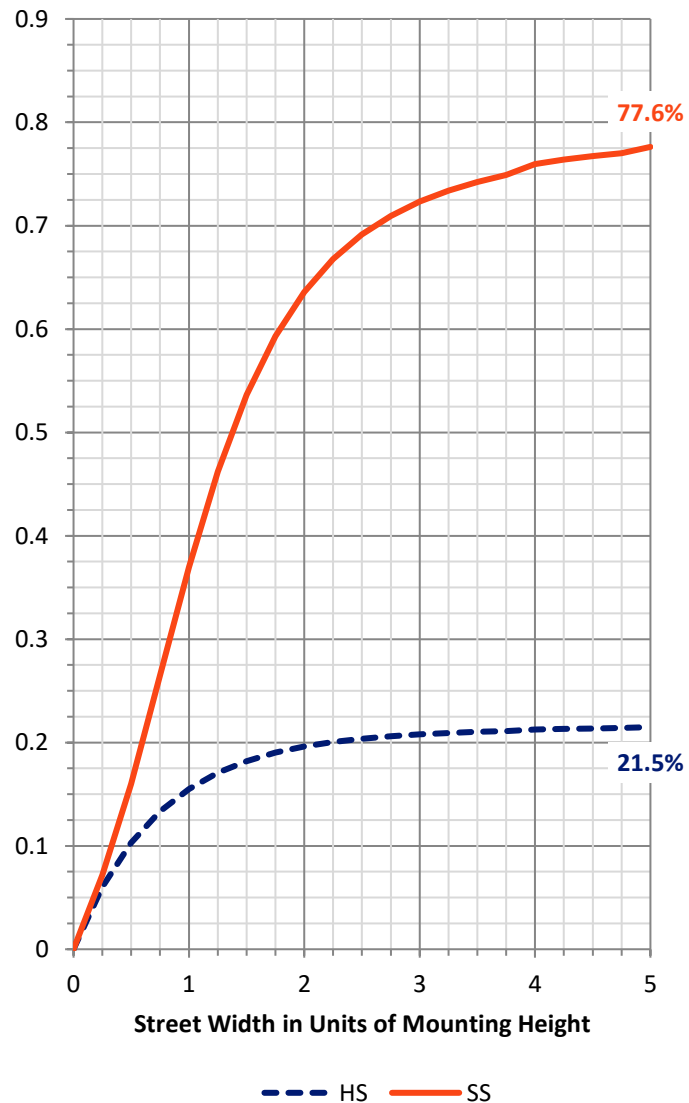
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	169.0	0.0	169.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	611.6	0.0	611.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	780.6	0.0	780.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.7
10°-20°	17.6	2.3
20°-30°	43.5	5.6
30°-40°	84.4	10.8
40°-50°	137.2	17.6
50°-60°	185.6	23.8
60°-70°	180.7	23.1
70°-80°	106.5	13.6
80°-90°	19.6	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°	780.6	100.0
0°-180°	780.6	100.0

Coefficient of Utilization



REPORT NUMBER: P1445245

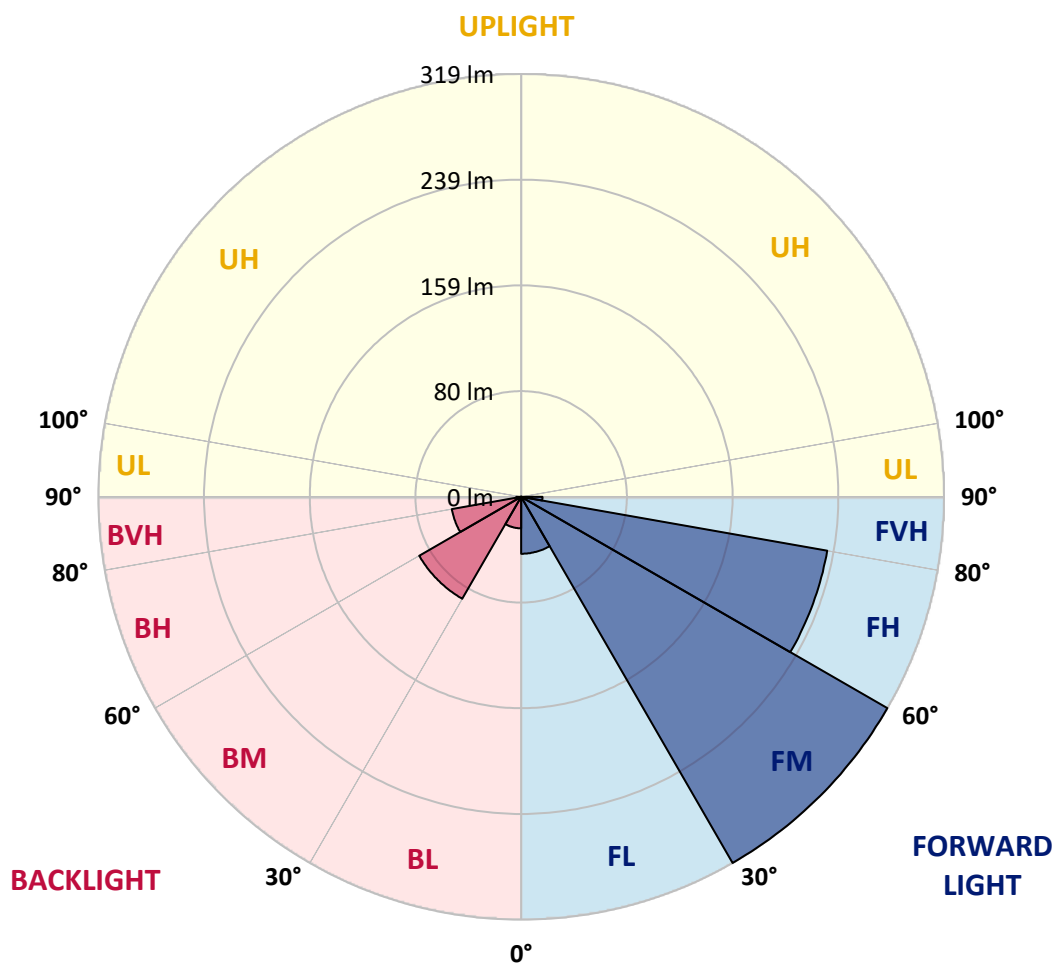
CATALOG NUMBER: TPTN-VA0-740-U-DL-CG-GM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.9	5.5			
FM	(30°-60°)	318.5	40.8			
FH	(60°-80°)	234.1	30.0			G0/660
FVH	(80°-90°)	16.0	2.1			G1/100
BL	(0°-30°)	23.7	3.0	B0/110		
BM	(30°-60°)	88.7	11.4	B0/220		
BH	(60°-80°)	53.0	6.8	B0/110		G0/110
BVH	(80°-90°)	3.6	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: P1445245

CATALOG NUMBER: TPTN-VA0-740-U-DL-CG-GM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	62.1	61.9	61.9	61.8	61.6	61.6	61.5	61.3	61.0	60.7	60.4
5°	65.0	64.7	64.1	63.5	62.9	62.9	62.6	62.4	62.1	61.9	61.6
7.5°	62.1	62.1	61.8	61.0	60.1	59.9	58.5	58.0	58.5	58.4	58.5
10°	63.5	63.3	61.6	59.6	57.3	56.8	55.6	55.1	56.0	57.0	57.7
12.5°	68.3	68.3	66.4	63.8	61.3	60.7	58.0	57.1	57.3	58.4	59.3
15°	76.2	76.2	74.8	72.6	70.3	69.1	65.0	62.4	61.6	62.1	63.0
17.5°	88.3	87.7	88.5	85.4	82.3	81.2	74.8	70.0	68.0	68.1	68.4
20°	106.9	106.6	106.6	104.6	99.2	97.0	88.5	79.9	76.4	75.9	75.6
22.5°	130.7	129.9	130.2	127.7	121.1	119.2	106.0	94.1	86.8	84.6	84.4
25°	158.0	158.2	158.5	155.1	147.1	145.4	127.9	110.5	99.0	94.8	93.7
27.5°	185.6	185.6	183.8	178.8	173.1	170.1	151.0	128.7	112.7	106.5	103.5
30°	210.5	210.3	206.3	199.0	193.1	191.1	170.0	145.7	125.7	116.4	112.7
32.5°	234.5	234.1	226.9	220.6	216.4	213.3	190.4	162.2	138.3	125.9	121.2
35°	259.0	256.3	248.0	242.7	238.2	234.7	212.0	179.0	150.7	136.0	130.1
37.5°	280.6	279.8	270.2	266.2	261.1	259.2	235.1	196.2	163.9	146.1	139.7
40°	301.7	301.4	293.8	289.8	285.3	282.6	259.7	215.0	178.3	157.1	149.9
42.5°	320.7	321.3	317.3	314.6	310.7	308.7	284.7	234.7	192.3	167.5	159.9
45°	341.9	342.1	341.3	340.2	336.7	336.8	311.5	255.6	208.0	178.8	170.3
47.5°	361.5	362.7	364.6	364.7	364.4	362.9	340.1	275.7	222.7	189.0	180.0
50°	375.5	377.5	384.3	386.5	385.9	385.4	362.9	296.0	234.5	198.0	186.9
52.5°	388.8	390.4	400.3	407.3	407.1	406.0	384.5	313.7	246.0	204.4	193.2
55°	395.3	396.3	409.1	420.3	422.3	422.5	404.0	326.6	252.5	208.4	196.5
57.5°	391.0	393.1	407.9	421.1	427.6	426.2	409.8	331.7	251.9	205.8	194.3
60°	380.9	384.0	398.1	413.2	421.6	419.5	404.2	329.7	246.3	199.1	189.5
62.5°	365.5	369.4	383.2	397.8	407.7	408.4	393.9	323.6	235.9	190.9	181.9
65°	336.0	341.2	361.6	377.6	387.1	389.4	373.7	309.2	222.4	178.5	167.8
67.5°	303.7	307.2	323.6	347.1	352.0	355.3	346.1	285.3	204.9	158.9	150.6
70°	267.0	272.2	285.3	308.2	314.8	317.1	311.7	255.8	179.7	137.4	132.7
72.5°	225.8	228.0	242.7	260.0	269.9	272.9	267.1	221.8	152.1	114.5	111.0
75°	177.1	180.5	191.8	208.9	219.8	219.0	218.1	181.6	120.4	91.3	87.7
77.5°	131.5	133.3	144.3	156.8	165.6	166.4	166.1	138.4	90.3	66.4	63.9
80°	85.8	88.2	96.2	106.0	111.9	114.5	113.6	96.5	61.9	44.7	42.8
82.5°	48.6	49.2	55.3	60.5	67.8	67.4	69.2	58.8	37.7	26.2	23.9
85°	17.2	18.3	21.4	27.0	30.0	32.0	32.3	27.6	16.9	11.8	8.8
87.5°	1.7	1.7	2.9	4.3	5.6	5.9	6.1	6.2	5.0	3.9	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: P1445245

CATALOG NUMBER: TPTN-VA0-740-U-DL-CG-GM

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	60.4	60.1	59.4	58.8	58.7	58.0	57.9	57.7	57.4	57.4	57.3
5°	61.0	60.7	59.8	58.7	57.6	56.7	55.9	55.1	54.5	54.0	54.0
7.5°	58.8	59.0	59.0	58.2	56.7	54.9	52.9	51.4	50.0	49.4	49.0
10°	57.9	58.4	58.2	57.4	55.9	53.5	50.9	48.4	46.4	45.2	45.0
12.5°	59.6	59.6	59.1	57.9	55.7	52.8	49.7	46.4	44.1	42.7	42.5
15°	63.3	63.2	61.5	59.1	56.0	52.6	49.0	45.5	42.5	41.0	40.8
17.5°	68.6	67.8	65.0	61.0	56.8	52.6	48.6	44.7	41.6	39.7	39.4
20°	75.1	73.6	69.2	63.3	57.7	52.9	48.3	44.1	41.0	39.0	38.8
22.5°	83.2	80.7	73.9	66.0	59.3	53.5	48.3	43.8	40.8	39.3	39.3
25°	91.3	87.8	79.2	68.9	60.8	54.0	48.3	44.1	41.6	40.5	40.4
27.5°	100.1	95.3	84.3	72.3	62.4	54.6	48.6	44.2	42.4	41.6	41.6
30°	108.2	102.7	89.6	75.6	64.1	55.4	49.2	44.7	42.8	42.5	42.2
32.5°	115.8	109.4	94.5	78.7	66.1	56.2	49.7	45.2	43.5	43.1	43.0
35°	124.2	117.2	99.0	81.6	67.7	57.4	50.3	45.9	44.2	43.9	43.9
37.5°	133.2	124.5	104.3	84.7	69.2	58.7	50.9	47.0	45.3	45.0	44.9
40°	141.9	132.2	109.6	87.8	71.1	59.6	51.7	48.0	46.6	46.3	46.1
42.5°	151.2	140.2	114.7	90.6	72.9	60.5	52.8	49.4	48.1	47.5	47.3
45°	159.7	147.8	119.4	93.6	74.7	61.6	54.0	51.1	49.8	49.2	49.0
47.5°	167.9	154.3	123.7	95.8	76.1	62.4	55.3	52.5	51.5	50.9	50.6
50°	174.6	159.6	126.8	97.2	77.0	62.9	56.2	53.7	52.9	52.0	51.8
52.5°	179.4	163.7	129.0	98.2	77.1	62.9	56.8	55.1	54.2	53.2	52.9
55°	181.8	165.3	128.8	97.8	76.2	62.4	56.8	55.4	54.6	53.5	53.4
57.5°	180.2	163.1	125.9	95.1	74.0	60.7	55.9	54.5	53.7	52.8	52.8
60°	175.4	158.6	121.2	91.1	70.6	57.9	53.9	52.8	52.0	51.2	51.2
62.5°	167.8	152.1	115.3	85.1	66.4	54.6	51.2	50.3	49.8	49.0	48.9
65°	154.6	139.4	106.9	78.7	60.8	50.4	47.5	47.2	46.6	45.5	45.3
67.5°	139.4	125.4	94.7	70.8	54.3	45.2	43.0	42.7	42.1	41.1	41.3
70°	122.3	109.9	82.0	61.0	46.4	39.4	37.6	37.1	36.6	36.5	36.3
72.5°	103.1	92.5	68.6	49.8	38.8	33.2	31.7	31.4	31.0	30.9	30.7
75°	80.1	72.9	54.8	39.3	30.7	26.7	25.3	25.1	25.1	24.8	24.5
77.5°	59.0	53.1	39.9	28.6	22.2	19.4	18.9	18.9	19.1	18.9	18.5
80°	39.1	35.4	26.1	18.9	14.7	12.9	12.9	13.0	13.2	13.0	13.2
82.5°	20.8	19.6	14.7	11.0	8.7	7.6	7.8	7.9	8.2	7.9	8.2
85°	7.6	7.8	6.5	5.0	4.2	3.9	4.0	4.2	4.3	4.2	4.2
87.5°	0.5	1.6	2.6	2.3	2.0	2.0	2.0	2.0	2.0	1.9	1.7
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: SP1-2411-284-2

Test Date: 11/20/2024

Luminaire Tested: TTN-D0-740-U-WQ

Data in this report applies to families of products including TTN-D0-740-U-WQ

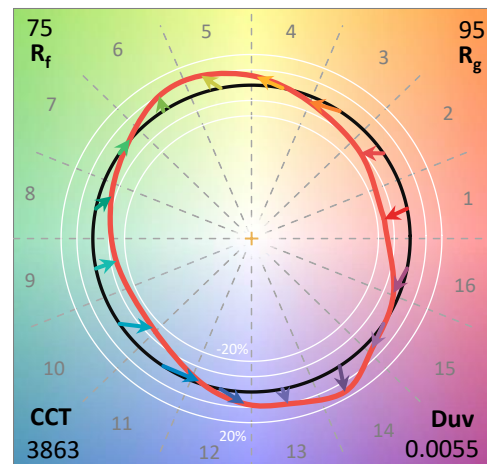
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2411-284-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 11/20/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **TTN-D0-740-U-WQ**
 Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE. 4000K, 70 CRI LEDS AND WIDE DISTRIBUTION

Spectral Parameters

CCT (K): 3863
 CIE u' : 0.2247
 CIE v' : 0.5111
 Duv: 0.0055
 CIE x: 0.3911
 CIE y: 0.3954
 CIE z: 0.2136
 Peak Wavelength (nm): 448
 Dominant Wavelength (nm): 577
 Purity: 36.03443
 R_f: 74.7
 R_g: 95.4

CRI (Ra): 71.9
 R1: 69.4
 R2: 76.9
 R3: 83.3
 R4: 72.7
 R5: 68.4
 R6: 67.5
 R7: 82.0
 R8: 55.3
 R9: -23.5
 R10: 45.4
 R11: 68.7
 R12: 38.7
 R13: 70.0
 R14: 90.3
 R15: 62.1



Test Conditions

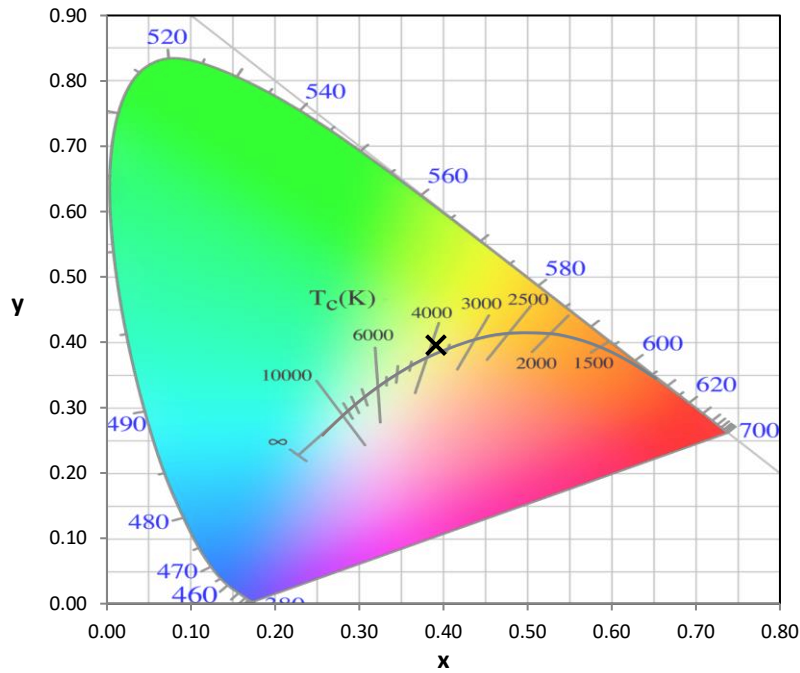
Stabilization Time: 37M
 Operation Time: 1H 37M
 Sphere Temperature (°C): 25.0

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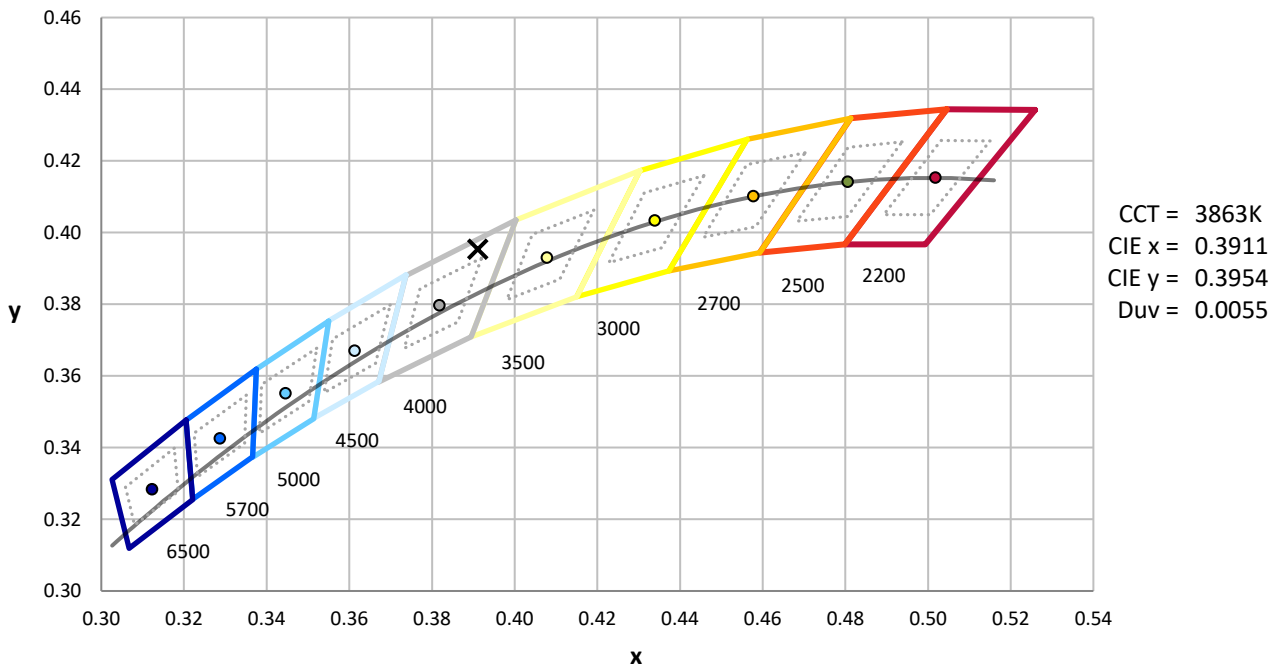
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



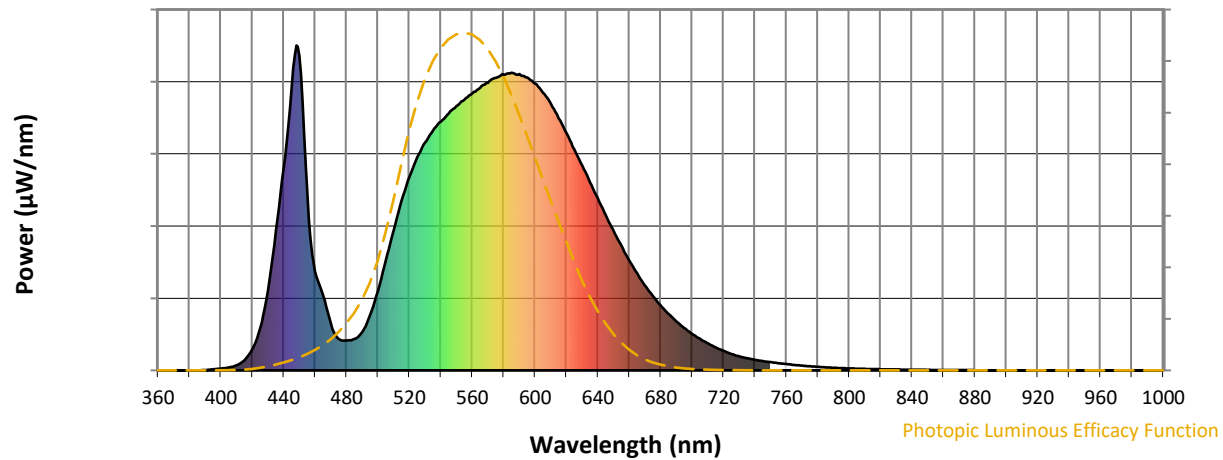
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 7-step quadrangle

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Photopic Flux vs. Wavelength

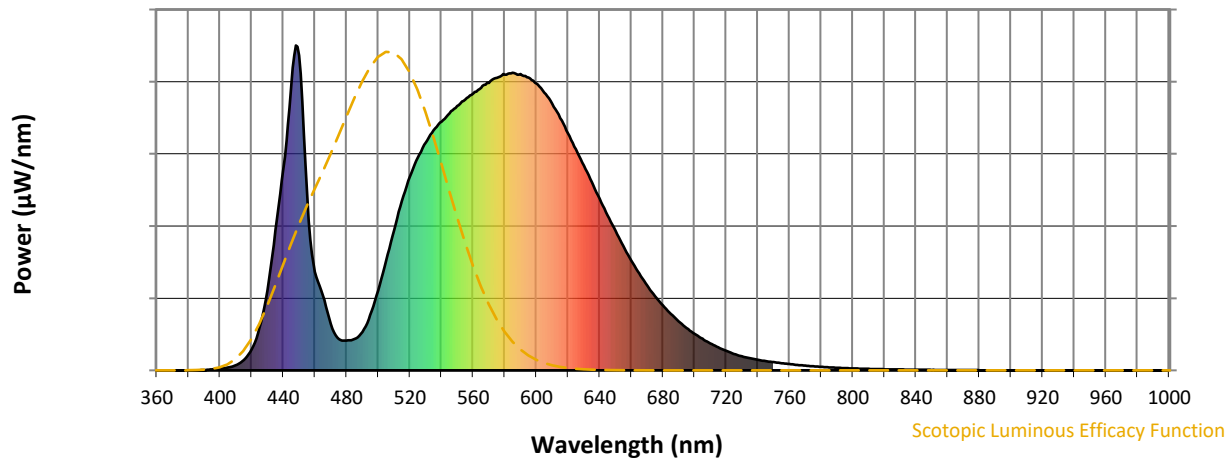


Photopic Lumens: NR

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	118	NR	620	730	NR	750	25	NR	880	1	NR
365	0	NR	495	170	NR	625	680	NR	755	22	NR	885	0	NR
370	0	NR	500	245	NR	630	630	NR	760	19	NR	890	0	NR
375	0	NR	505	338	NR	635	579	NR	765	17	NR	895	0	NR
380	0	NR	510	431	NR	640	529	NR	770	14	NR	900	0	NR
385	0	NR	515	521	NR	645	477	NR	775	13	NR	905	0	NR
390	1	NR	520	596	NR	650	429	NR	780	11	NR	910	0	NR
395	3	NR	525	655	NR	655	383	NR	785	9	NR	915	0	NR
400	6	NR	530	701	NR	660	338	NR	790	8	NR	920	0	NR
405	9	NR	535	739	NR	665	298	NR	795	7	NR	925	0	NR
410	16	NR	540	766	NR	670	261	NR	800	6	NR	930	0	NR
415	32	NR	545	791	NR	675	228	NR	805	5	NR	935	0	NR
420	65	NR	550	813	NR	680	200	NR	810	5	NR	940	0	NR
425	131	NR	555	833	NR	685	173	NR	815	4	NR	945	0	NR
430	245	NR	560	852	NR	690	151	NR	820	3	NR	950	0	NR
435	432	NR	565	870	NR	695	130	NR	825	3	NR	955	0	NR
440	622	NR	570	885	NR	700	112	NR	830	3	NR	960	0	NR
445	870	NR	575	900	NR	705	97	NR	835	2	NR	965	0	NR
450	969	NR	580	911	NR	710	83	NR	840	2	NR	970	0	NR
455	544	NR	585	916	NR	715	71	NR	845	2	NR	975	0	NR
460	304	NR	590	912	NR	720	60	NR	850	1	NR	980	0	NR
465	231	NR	595	901	NR	725	51	NR	855	1	NR	985	0	NR
470	142	NR	600	882	NR	730	43	NR	860	1	NR	990	0	NR
475	96	NR	605	855	NR	735	37	NR	865	1	NR	995	0	NR
480	92	NR	610	820	NR	740	32	NR	870	1	NR	1000	0	NR
485	96	NR	615	776	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2411-284-2

Scotopic Flux vs. Wavelength



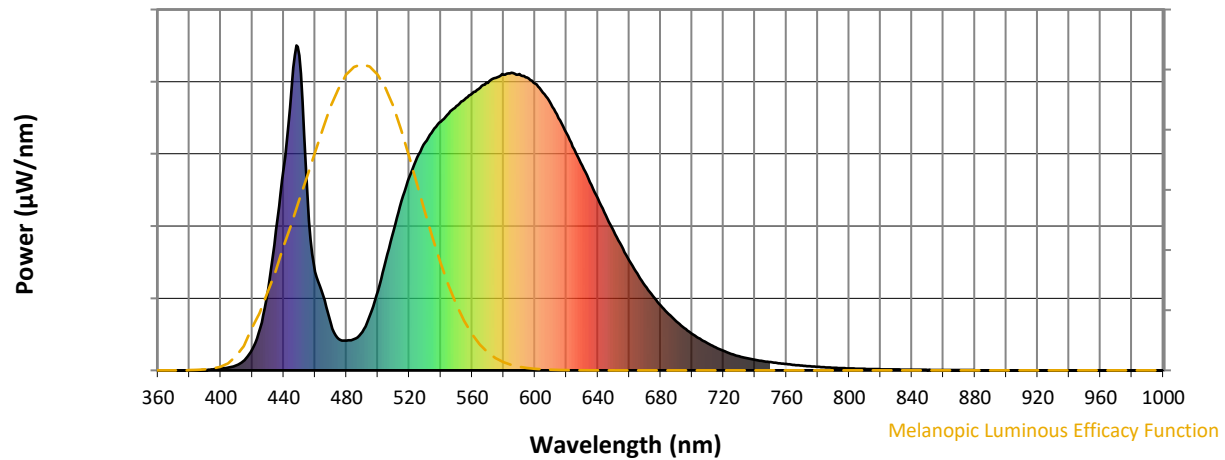
Scotopic Lumens: NR

S/P: 1.45

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	118	NR	620	730	NR	750	25	NR	880	1	NR
365	0	NR	495	170	NR	625	680	NR	755	22	NR	885	0	NR
370	0	NR	500	245	NR	630	630	NR	760	19	NR	890	0	NR
375	0	NR	505	338	NR	635	579	NR	765	17	NR	895	0	NR
380	0	NR	510	431	NR	640	529	NR	770	14	NR	900	0	NR
385	0	NR	515	521	NR	645	477	NR	775	13	NR	905	0	NR
390	1	NR	520	596	NR	650	429	NR	780	11	NR	910	0	NR
395	3	NR	525	655	NR	655	383	NR	785	9	NR	915	0	NR
400	6	NR	530	701	NR	660	338	NR	790	8	NR	920	0	NR
405	9	NR	535	739	NR	665	298	NR	795	7	NR	925	0	NR
410	16	NR	540	766	NR	670	261	NR	800	6	NR	930	0	NR
415	32	NR	545	791	NR	675	228	NR	805	5	NR	935	0	NR
420	65	NR	550	813	NR	680	200	NR	810	5	NR	940	0	NR
425	131	NR	555	833	NR	685	173	NR	815	4	NR	945	0	NR
430	245	NR	560	852	NR	690	151	NR	820	3	NR	950	0	NR
435	432	NR	565	870	NR	695	130	NR	825	3	NR	955	0	NR
440	622	NR	570	885	NR	700	112	NR	830	3	NR	960	0	NR
445	870	NR	575	900	NR	705	97	NR	835	2	NR	965	0	NR
450	969	NR	580	911	NR	710	83	NR	840	2	NR	970	0	NR
455	544	NR	585	916	NR	715	71	NR	845	2	NR	975	0	NR
460	304	NR	590	912	NR	720	60	NR	850	1	NR	980	0	NR
465	231	NR	595	901	NR	725	51	NR	855	1	NR	985	0	NR
470	142	NR	600	882	NR	730	43	NR	860	1	NR	990	0	NR
475	96	NR	605	855	NR	735	37	NR	865	1	NR	995	0	NR
480	92	NR	610	820	NR	740	32	NR	870	1	NR	1000	0	NR
485	96	NR	615	776	NR	745	29	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.72

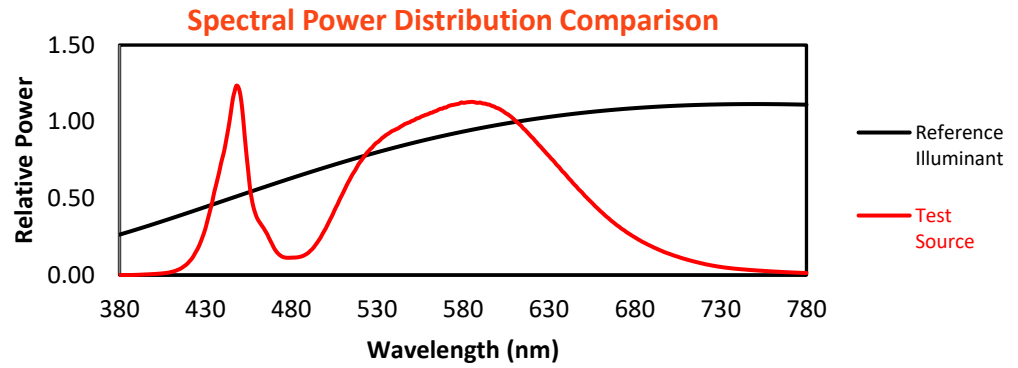
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	730	NR	750	25	NR	880	1	NR
365	0	NR	495	170	NR	625	680	NR	755	22	NR	885	0	NR
370	0	NR	500	245	NR	630	630	NR	760	19	NR	890	0	NR
375	0	NR	505	338	NR	635	579	NR	765	17	NR	895	0	NR
380	0	NR	510	431	NR	640	529	NR	770	14	NR	900	0	NR
385	0	NR	515	521	NR	645	477	NR	775	13	NR	905	0	NR
390	1	NR	520	596	NR	650	429	NR	780	11	NR	910	0	NR
395	3	NR	525	655	NR	655	383	NR	785	9	NR	915	0	NR
400	6	NR	530	701	NR	660	338	NR	790	8	NR	920	0	NR
405	9	NR	535	739	NR	665	298	NR	795	7	NR	925	0	NR
410	16	NR	540	766	NR	670	261	NR	800	6	NR	930	0	NR
415	32	NR	545	791	NR	675	228	NR	805	5	NR	935	0	NR
420	65	NR	550	813	NR	680	200	NR	810	5	NR	940	0	NR
425	131	NR	555	833	NR	685	173	NR	815	4	NR	945	0	NR
430	245	NR	560	852	NR	690	151	NR	820	3	NR	950	0	NR
435	432	NR	565	870	NR	695	130	NR	825	3	NR	955	0	NR
440	622	NR	570	885	NR	700	112	NR	830	3	NR	960	0	NR
445	870	NR	575	900	NR	705	97	NR	835	2	NR	965	0	NR
450	969	NR	580	911	NR	710	83	NR	840	2	NR	970	0	NR
455	544	NR	585	916	NR	715	71	NR	845	2	NR	975	0	NR
460	304	NR	590	912	NR	720	60	NR	850	1	NR	980	0	NR
465	231	NR	595	901	NR	725	51	NR	855	1	NR	985	0	NR
470	142	NR	600	882	NR	730	43	NR	860	1	NR	990	0	NR
475	96	NR	605	855	NR	735	37	NR	865	1	NR	995	0	NR
480	92	NR	610	820	NR	740	32	NR	870	1	NR	1000	0	NR
485	96	NR	615	776	NR	745	29	NR	875	1	NR			

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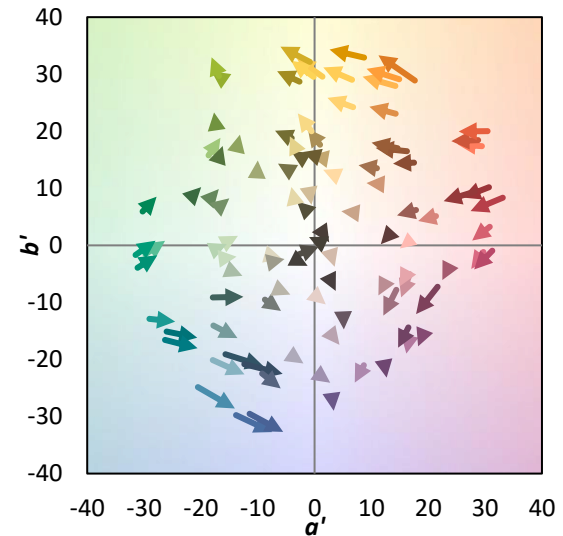
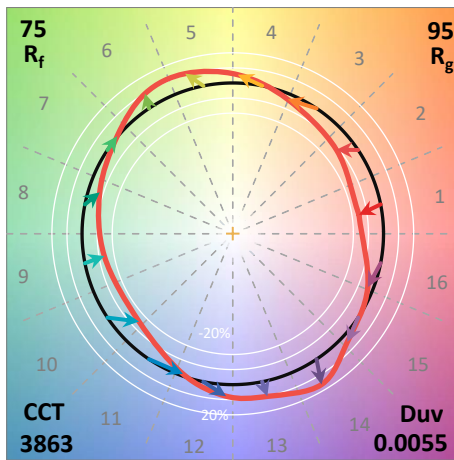
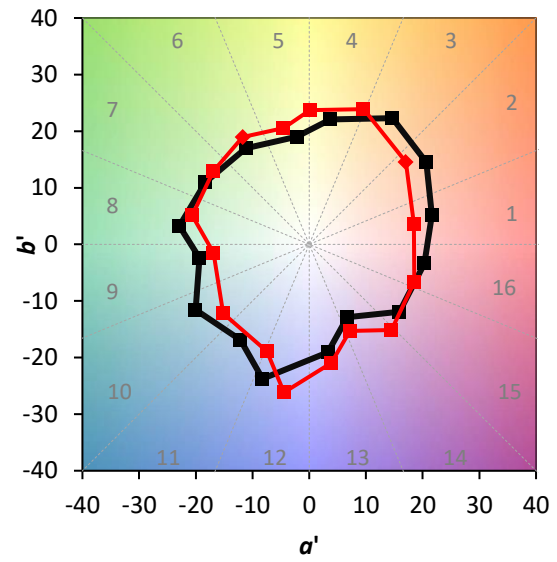
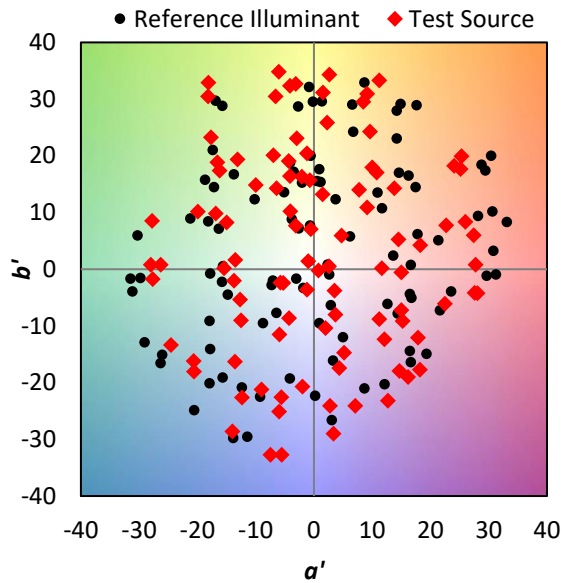
TM-30-18

Summary

$R_f = 74.7$
 $R_g = 95.4$
 $CIE R_a = 71.9$
 $R_g = -23.5$

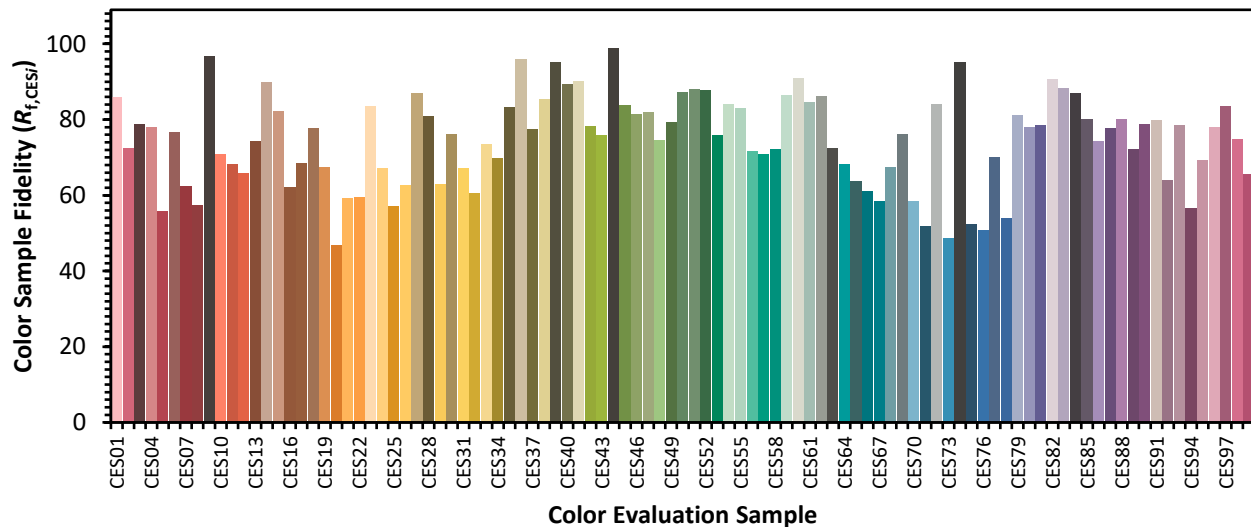


Color Vector Graphics

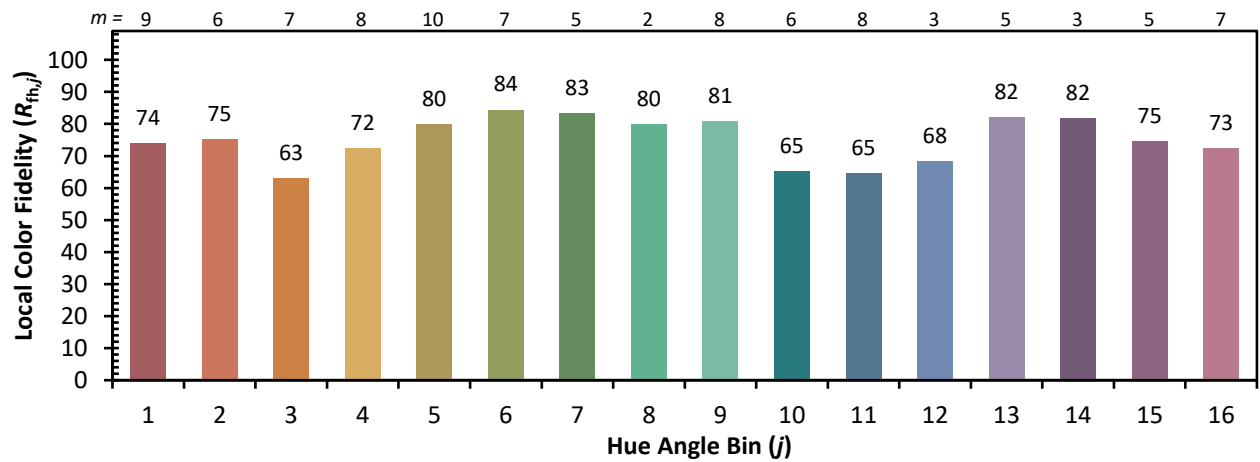
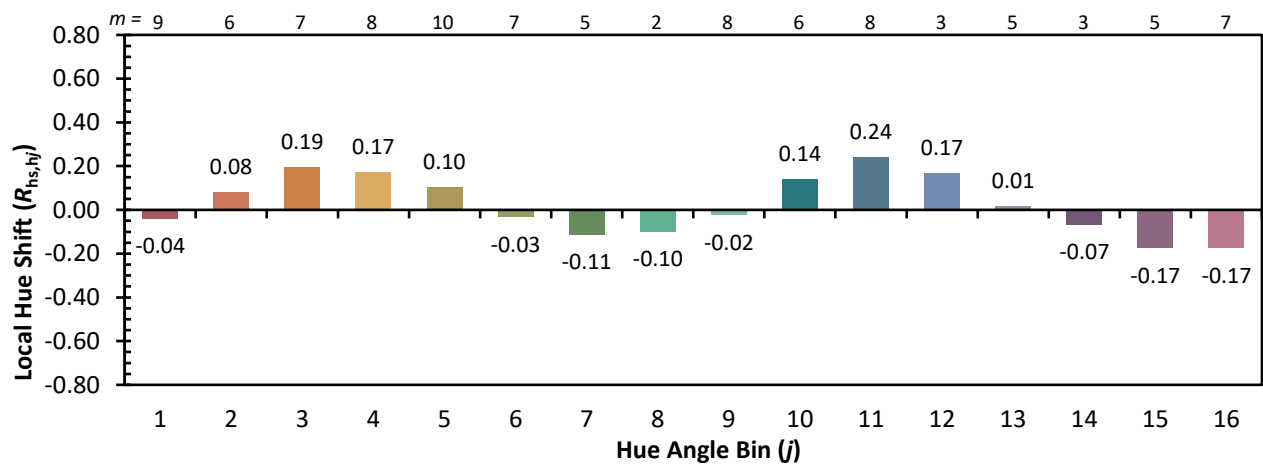
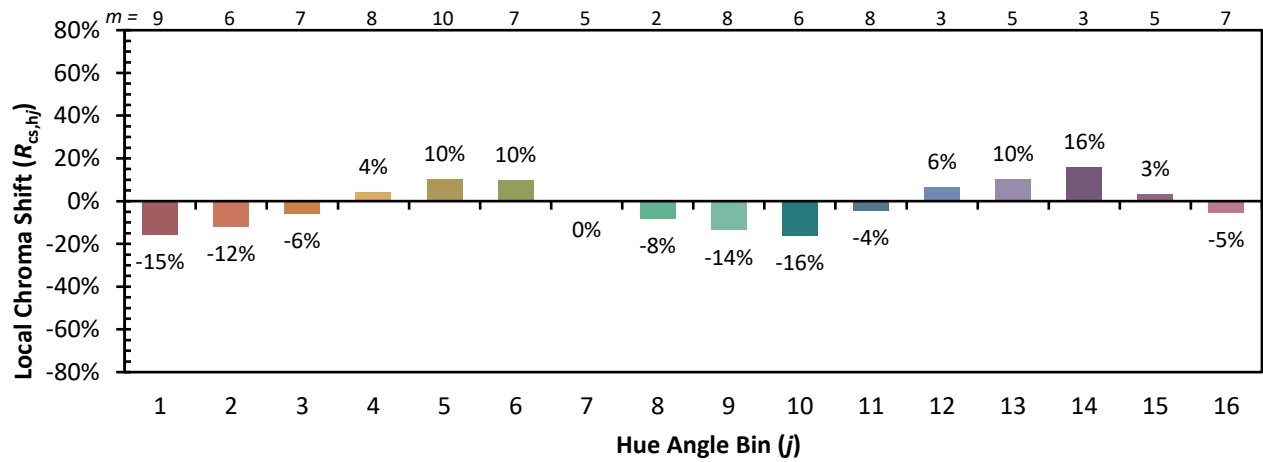


Individual Sample Fidelity Index ($R_{f,i}$)

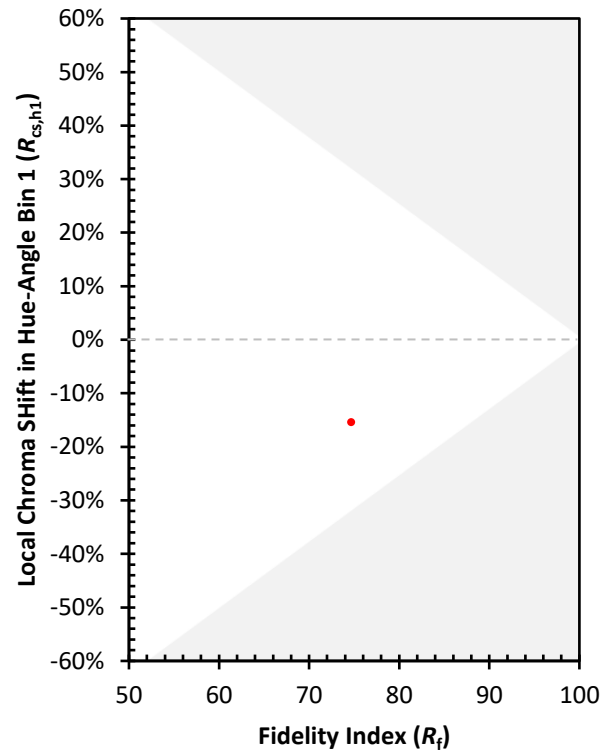
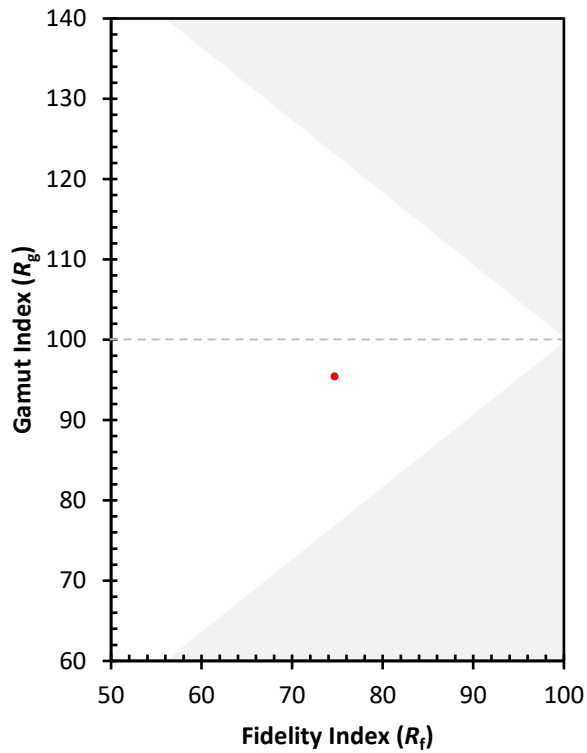
CES01 = 85	CES26 = 63	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 87	CES52 = 88	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 76	CES78 = 54
CES04 = 70	CES29 = 63	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 76	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 67	CES56 = 72	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 71	CES82 = 91
CES08 = 39	CES33 = 73	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 70	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 83	CES60 = 91	CES85 = 80
CES11 = 57	CES36 = 96	CES61 = 85	CES86 = 74
CES12 = 63	CES37 = 77	CES62 = 86	CES87 = 78
CES13 = 42	CES38 = 85	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 95	CES64 = 68	CES89 = 72
CES15 = 71	CES40 = 89	CES65 = 64	CES90 = 79
CES16 = 46	CES41 = 90	CES66 = 61	CES91 = 80
CES17 = 49	CES42 = 78	CES67 = 58	CES92 = 64
CES18 = 56	CES43 = 76	CES68 = 67	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 76	CES94 = 57
CES20 = 65	CES45 = 84	CES70 = 58	CES95 = 69
CES21 = 86	CES46 = 81	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 82	CES72 = 84	CES97 = 84
CES23 = 92	CES48 = 75	CES73 = 49	CES98 = 75
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 66
CES25 = 72	CES50 = 87	CES75 = 52	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)