

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1065887

Luminaire Tested: **NVN-SA3C-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065887
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3C-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12724.3 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 140.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

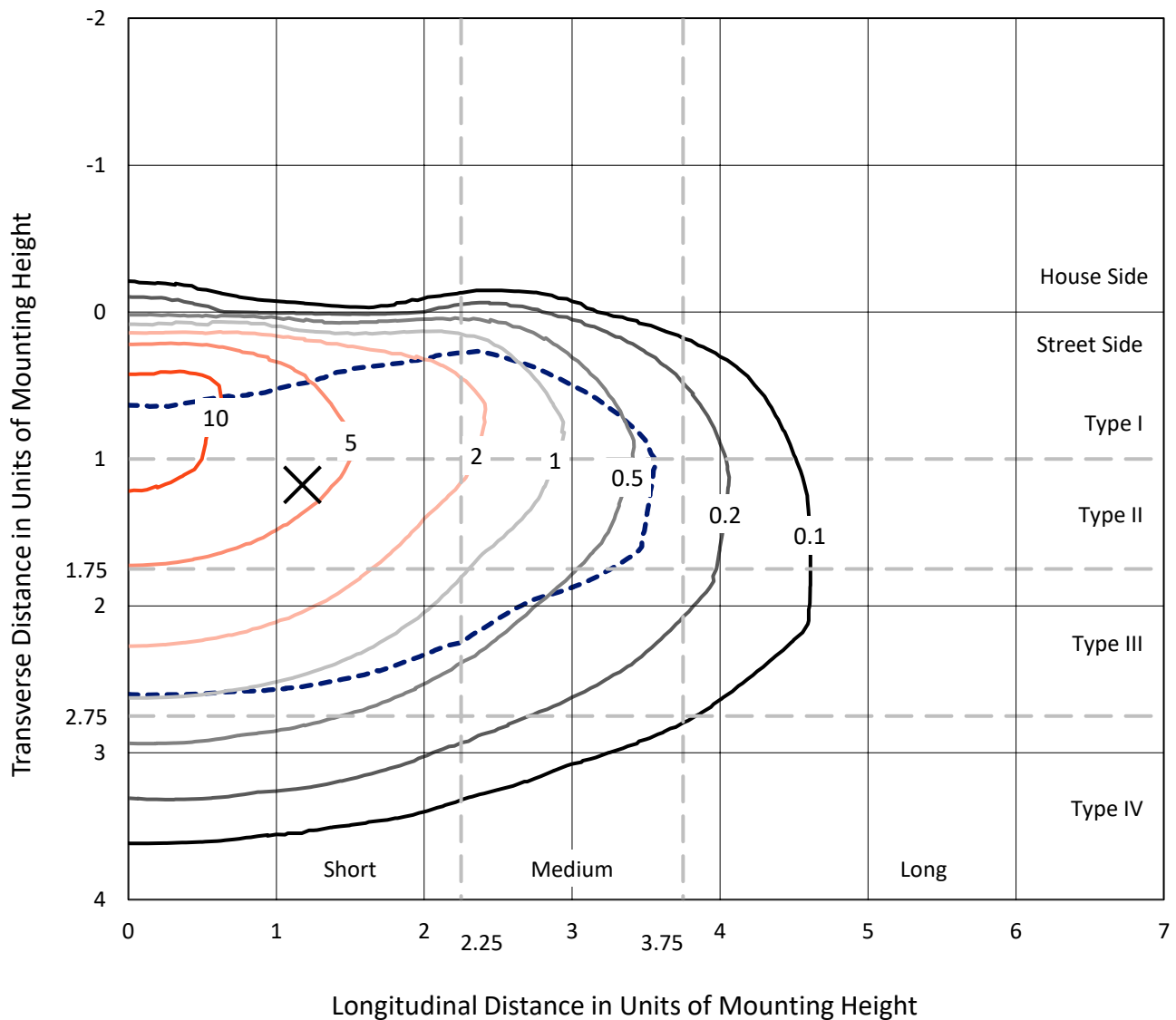


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

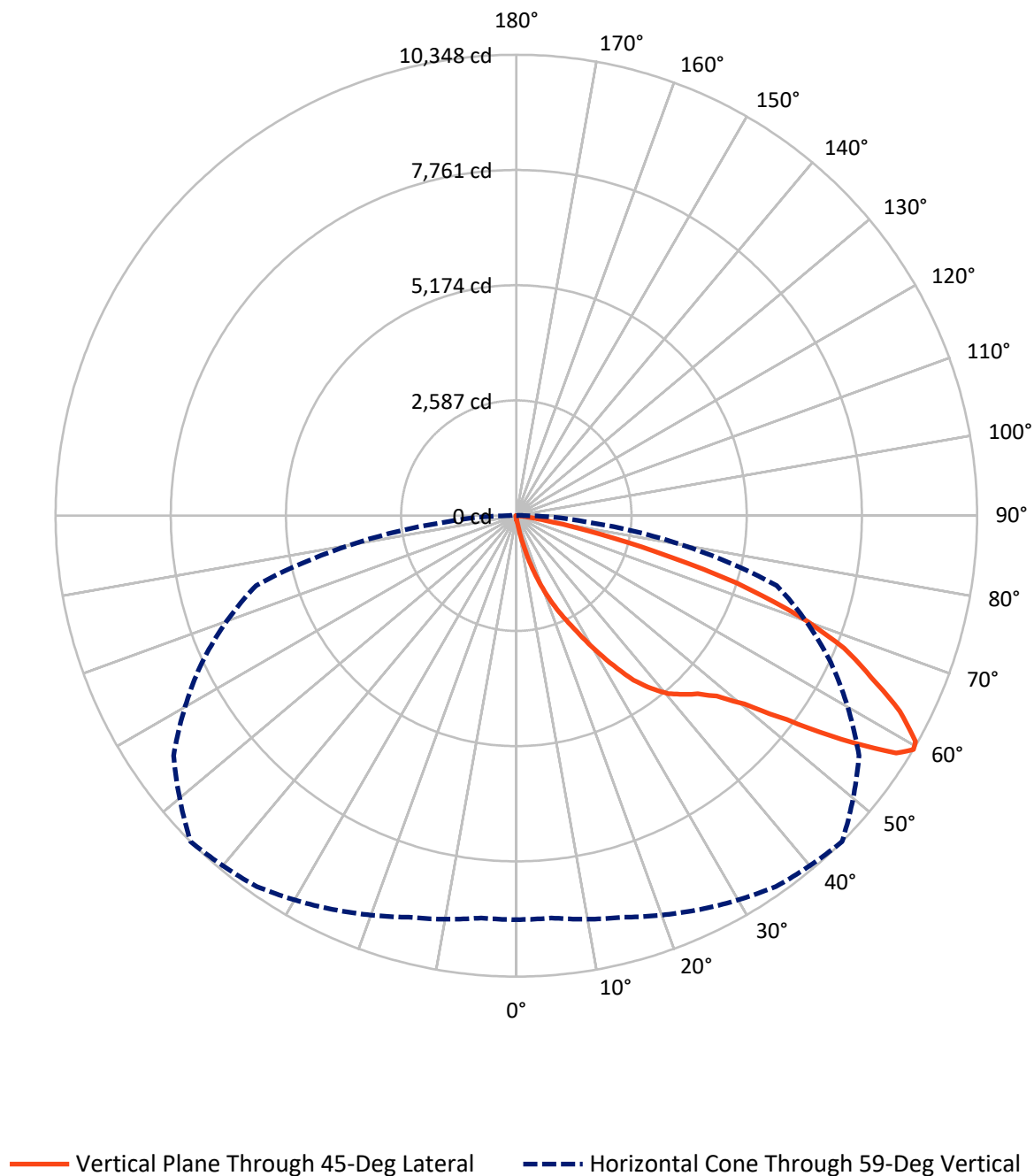


Based on 15 foot mounting height. Maximum calculated value = 13.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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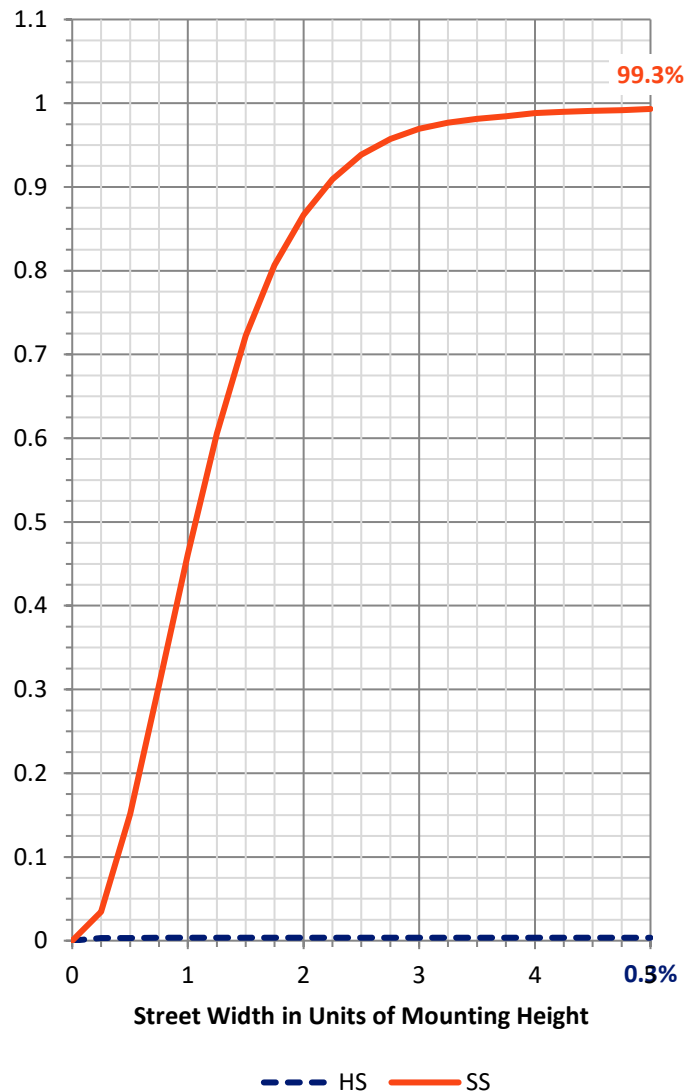
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.2	0.0	45.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12679.2	0.0	12679.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	12724.3	0.0	12724.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.1
10°-20°	140.6	1.1
20°-30°	505.3	4.0
30°-40°	1174.3	9.2
40°-50°	2001.5	15.7
50°-60°	3297.9	25.9
60°-70°	3813.1	30.0
70°-80°	1638.2	12.9
80°-90°	141.6	1.1
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°	12724.3	100.0
0°-180°	12724.3	100.0



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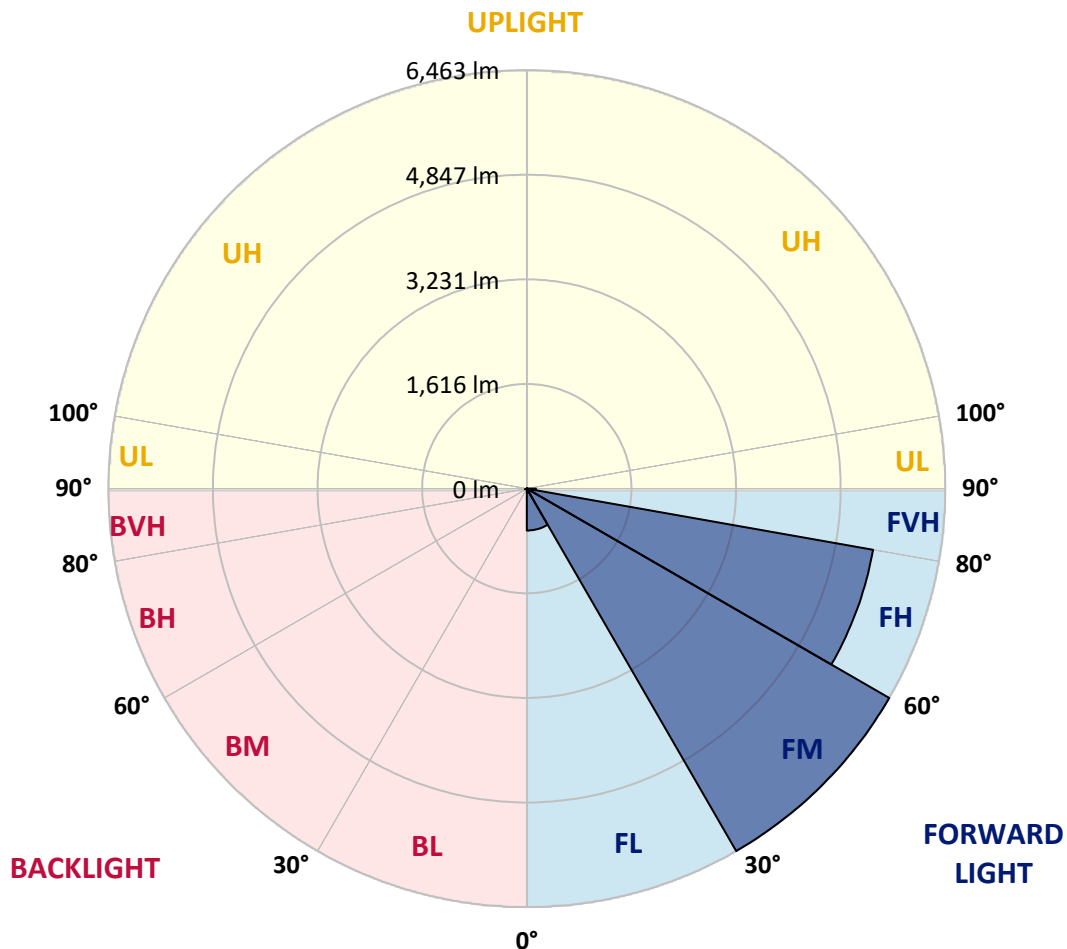
CATALOG NUMBER: NVN-SA3C-827-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	646.7	5.1			
FM	(30°-60°)	6462.7	50.8			
FH	(60°-80°)	5430.1	42.7			G3/7500
FVH	(80°-90°)	139.7	1.1			G2/225
BL	(0°-30°)	11.1	0.1	B0/110		
BM	(30°-60°)	10.9	0.1	B0/220		
BH	(60°-80°)	21.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2.5°	104.4	104.4	101.8	98.4	97.5	95.0	95.0	92.4	89.0	86.4	83.0
5°	151.4	150.6	143.7	135.2	124.1	117.2	117.2	107.8	99.2	91.5	84.7
7.5°	331.1	323.4	298.6	257.5	203.6	167.7	165.1	134.3	113.8	98.4	85.6
10°	759.8	733.2	698.2	599.8	443.2	309.7	303.7	195.9	136.0	106.1	87.3
12.5°	1244.9	1266.3	1196.1	1041.3	858.2	638.3	595.5	330.3	179.7	116.4	89.0
15°	1686.4	1681.2	1641.9	1515.2	1303.9	1011.3	984.8	574.1	257.5	132.6	90.7
17.5°	2016.6	2010.6	1973.0	1891.7	1729.1	1436.5	1413.4	915.5	403.8	155.7	92.4
20°	2364.8	2357.1	2304.1	2239.1	2097.0	1848.1	1820.7	1297.1	632.3	193.4	92.4
22.5°	2782.4	2767.8	2711.4	2601.0	2451.3	2234.8	2210.0	1687.2	915.5	255.0	96.7
25°	3287.2	3262.4	3184.5	3085.3	2904.7	2617.2	2590.7	2121.9	1256.9	348.2	101.0
27.5°	3863.0	3867.3	3762.0	3594.3	3352.2	3058.7	3009.1	2511.2	1610.2	481.7	106.1
30°	4546.6	4503.8	4355.8	4160.7	3925.4	3551.6	3503.6	2898.7	2007.2	678.5	114.6
32.5°	5186.6	5140.4	4941.0	4695.5	4443.1	4048.6	4009.3	3334.2	2368.3	911.2	130.0
35°	5735.9	5703.4	5424.4	5125.0	4900.8	4548.3	4536.3	3820.2	2792.6	1161.9	147.2
37.5°	6219.3	6160.2	5801.7	5491.2	5263.6	4947.9	4922.2	4265.1	3201.6	1452.8	172.8
40°	6631.7	6599.2	6162.0	5753.8	5569.0	5286.7	5254.2	4655.3	3624.3	1790.7	204.5
42.5°	7073.2	7030.4	6606.0	6148.3	5807.7	5505.7	5484.3	4977.0	4000.7	2162.1	251.5
45°	7572.0	7492.4	7120.2	6709.5	6191.9	5732.4	5708.5	5263.6	4386.6	2560.8	308.9
47.5°	8105.0	8035.7	7734.5	7446.2	6850.7	6106.3	6055.0	5507.4	4769.9	3021.1	381.6
50°	8647.4	8649.1	8423.3	8284.7	7655.8	6713.8	6641.1	5865.9	5172.9	3513.9	489.4
52.5°	9278.9	9295.1	9291.7	9189.0	8701.3	7707.1	7609.6	6410.1	5640.9	4088.9	638.3
55°	9543.2	9572.3	9761.4	9989.0	9856.4	8966.6	8862.2	7348.7	6261.2	4729.7	859.0
57.5°	9326.8	9359.3	9620.2	10018.9	10323.5	10069.4	10057.4	8570.4	7078.3	5506.6	1220.1
59°	9069.2	9065.0	9332.8	9755.4	10166.1	10331.2	10348.3	9396.9	7790.1	6051.6	1531.5
60°	8898.1	8901.5	9079.5	9513.3	9949.6	10236.3	10303.0	9883.8	8206.0	6443.4	1798.4
62.5°	8237.6	8277.0	8418.1	8821.1	9235.2	9555.2	9669.0	10317.5	9396.1	7369.2	2726.8
65°	7519.8	7522.3	7723.4	8068.2	8465.2	8690.2	8762.1	9642.5	10190.9	8312.0	3944.3
67.5°	6239.0	6291.1	6519.6	7078.3	7602.8	7887.7	7942.4	8393.3	9861.5	8926.4	4554.3
70°	4366.1	4434.5	4760.5	5485.2	6266.3	6734.3	6730.9	6977.3	8679.1	8652.6	3861.3
72.5°	2180.0	2298.1	2564.2	3340.2	4286.5	5021.5	5176.3	5612.7	6972.2	7186.9	2880.8
75°	963.4	970.2	1121.7	1512.7	2130.4	3063.9	3202.5	4455.1	5349.1	4994.9	2080.8
77.5°	560.4	565.5	592.9	679.3	863.3	1501.6	1657.3	2921.8	3780.0	2903.0	1357.0
80°	203.6	208.8	207.9	257.5	378.2	591.2	658.8	1416.0	2521.4	1528.9	711.0
82.5°	124.9	124.9	120.6	121.5	137.7	226.7	248.1	603.2	1227.8	752.9	203.6
85°	61.6	65.0	69.3	77.9	92.4	112.1	118.9	172.8	413.2	182.2	48.8
87.5°	36.8	37.6	41.1	49.6	61.6	80.4	85.6	117.2	148.0	122.3	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: NVN-SA3C-827-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2.5°	81.3	80.4	76.1	72.7	69.3	65.9	63.3	60.7	60.7	61.6	60.7
5°	81.3	77.9	71.0	65.0	59.9	55.6	51.3	47.9	47.1	47.1	47.9
7.5°	80.4	76.1	66.7	59.0	52.2	46.2	41.9	37.6	36.8	37.6	36.8
10°	79.6	74.4	63.3	53.9	44.5	38.5	32.5	28.2	28.2	28.2	29.1
12.5°	79.6	71.9	59.9	48.8	38.5	31.7	25.7	21.4	20.5	20.5	20.5
15°	78.7	70.2	56.5	42.8	32.5	24.0	18.8	14.5	14.5	14.5	14.5
17.5°	77.0	67.6	52.2	37.6	25.7	18.0	12.8	8.6	8.6	10.3	10.3
20°	75.3	65.0	47.1	30.8	21.4	13.7	8.6	5.1	5.1	7.7	8.6
22.5°	76.1	65.0	43.6	27.4	17.1	10.3	6.8	4.3	3.4	6.0	7.7
25°	77.0	63.3	39.4	24.0	12.8	7.7	5.1	1.7	0.9	1.7	2.6
27.5°	77.0	61.6	34.2	18.8	9.4	6.0	2.6	0.0	0.0	0.0	0.0
30°	76.1	59.0	29.9	15.4	6.8	3.4	0.9	0.0	0.0	0.0	0.0
32.5°	75.3	56.5	27.4	12.0	6.0	1.7	0.0	0.0	0.0	0.0	0.0
35°	76.1	53.0	24.0	9.4	3.4	0.0	0.0	0.0	0.0	0.0	1.7
37.5°	78.7	49.6	20.5	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	82.1	47.1	17.1	6.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	89.0	47.1	15.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	97.5	47.1	12.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	108.7	47.9	11.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	122.3	49.6	10.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	132.6	47.9	9.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	150.6	46.2	8.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	174.5	43.6	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	198.5	40.2	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	225.9	38.5	7.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	373.0	34.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	720.4	32.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1164.5	32.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1224.3	32.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	814.5	26.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	436.4	24.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	235.3	22.2	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	103.5	16.3	4.3	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.1	11.1	5.1	4.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0
85°	19.7	8.6	6.8	6.0	4.3	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	8.6	7.7	6.8	6.0	4.3	0.9	0.0	0.0	0.0	0.0
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

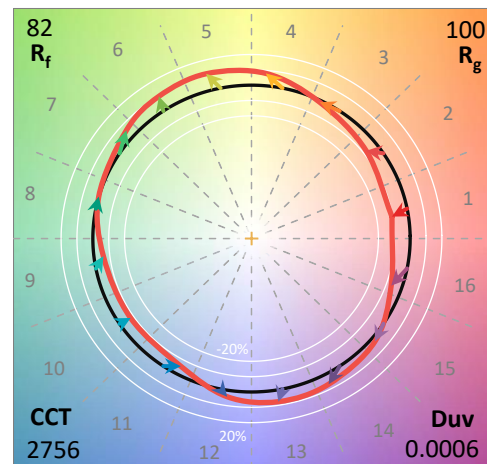
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

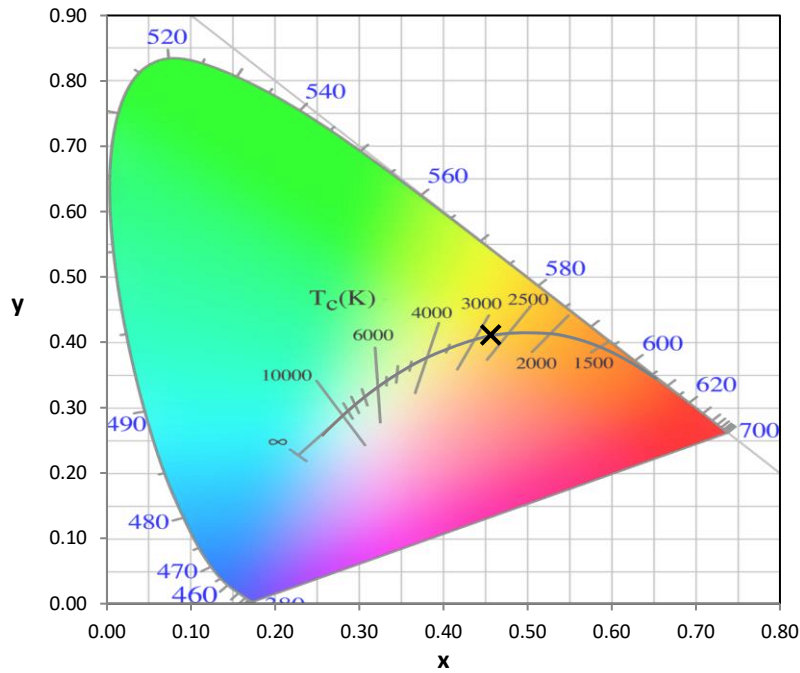
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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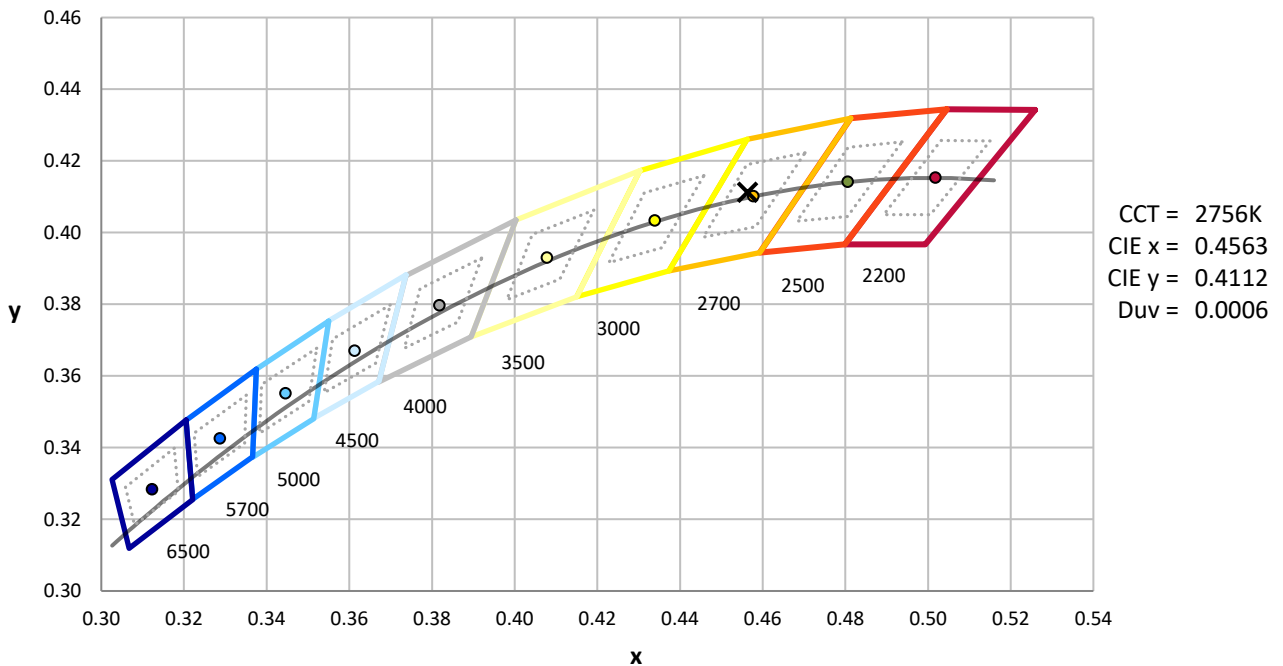
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



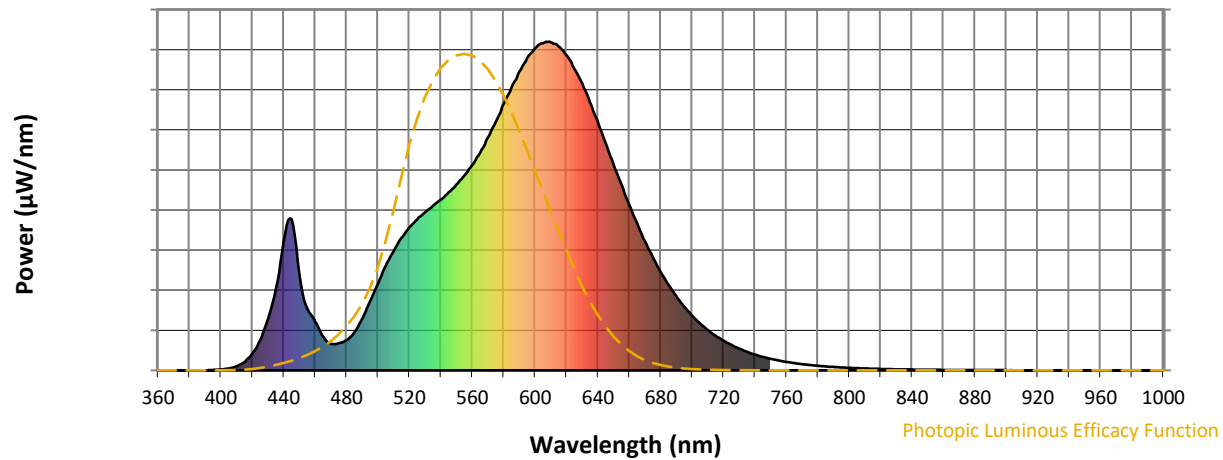
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

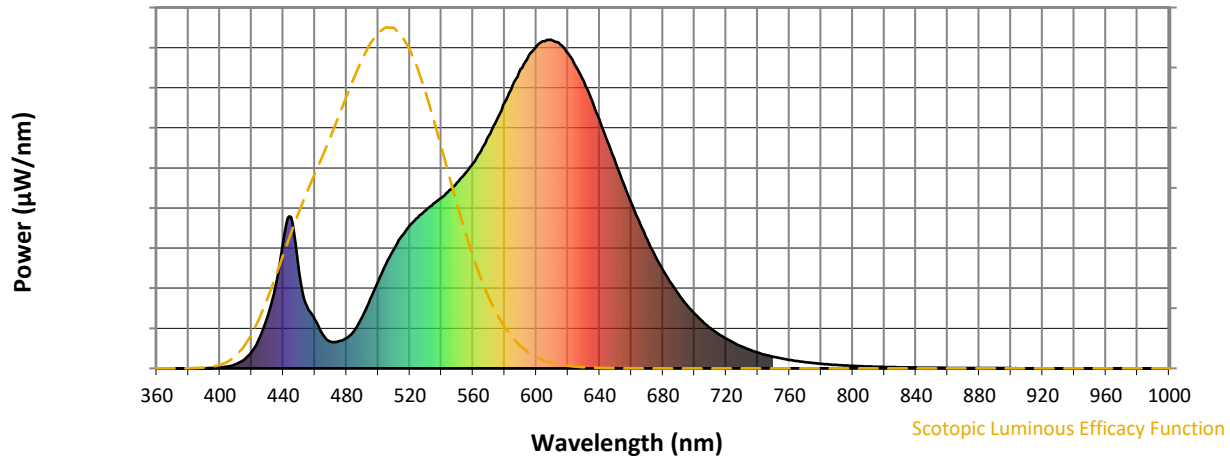


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



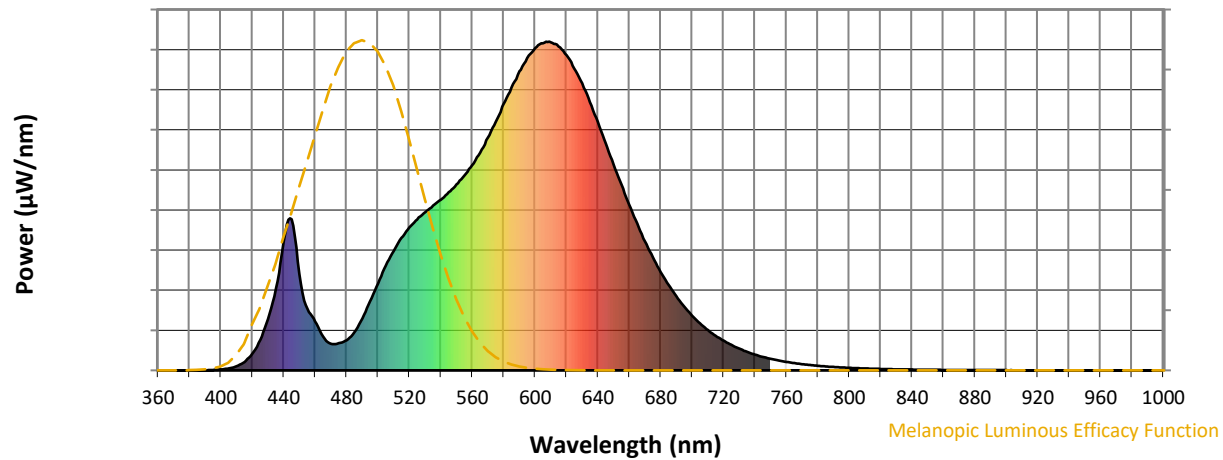
Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

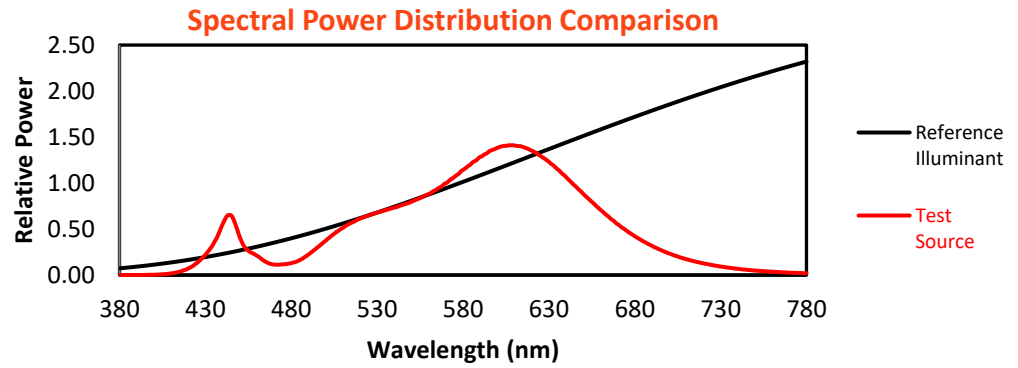
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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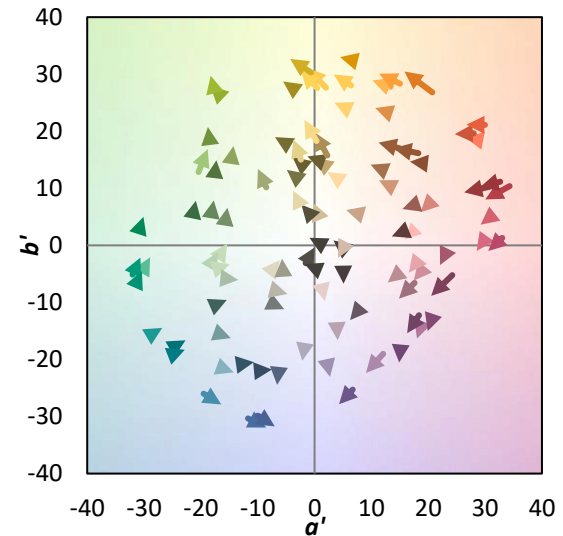
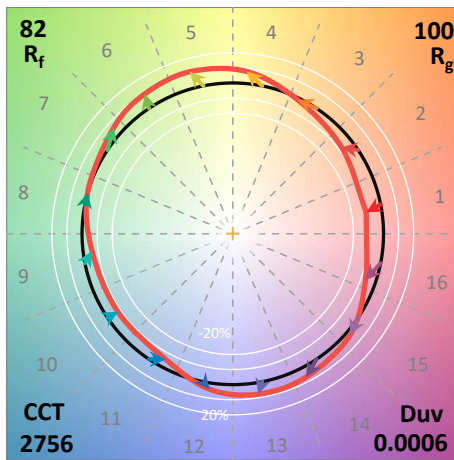
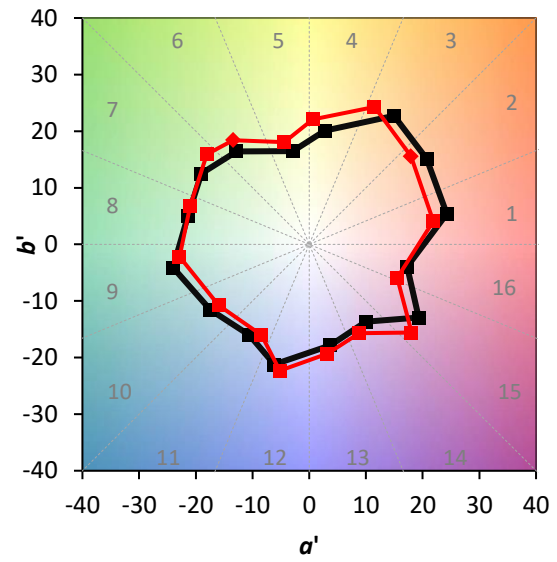
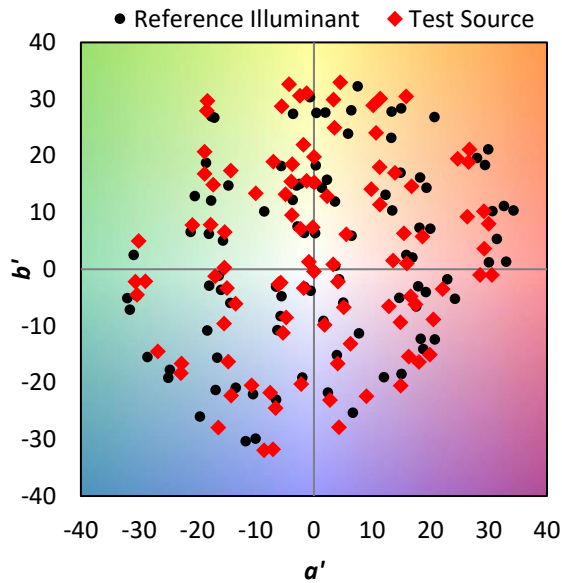
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$

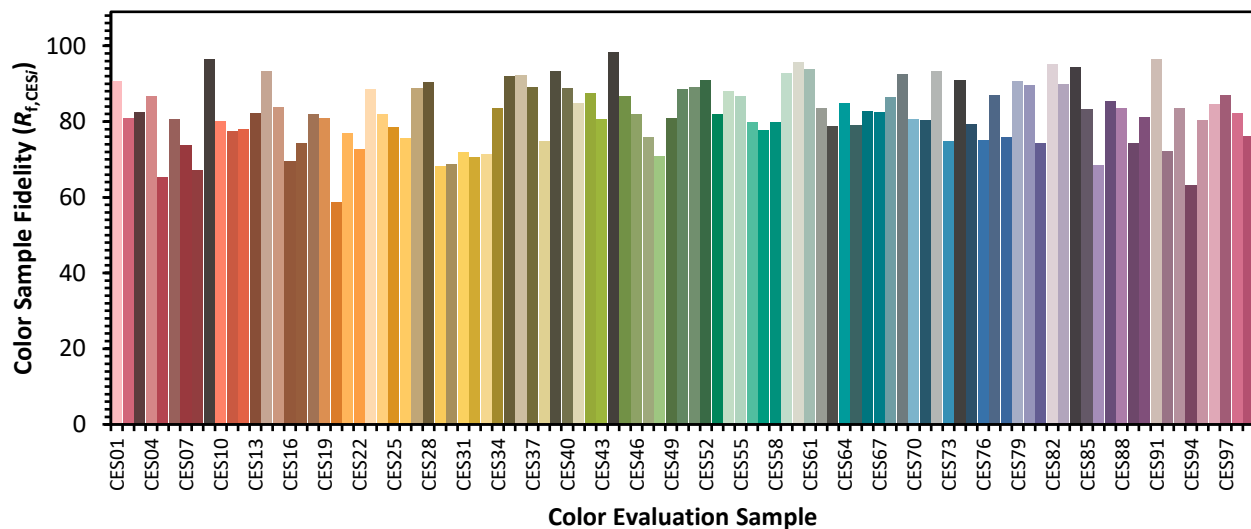


Color Vector Graphics

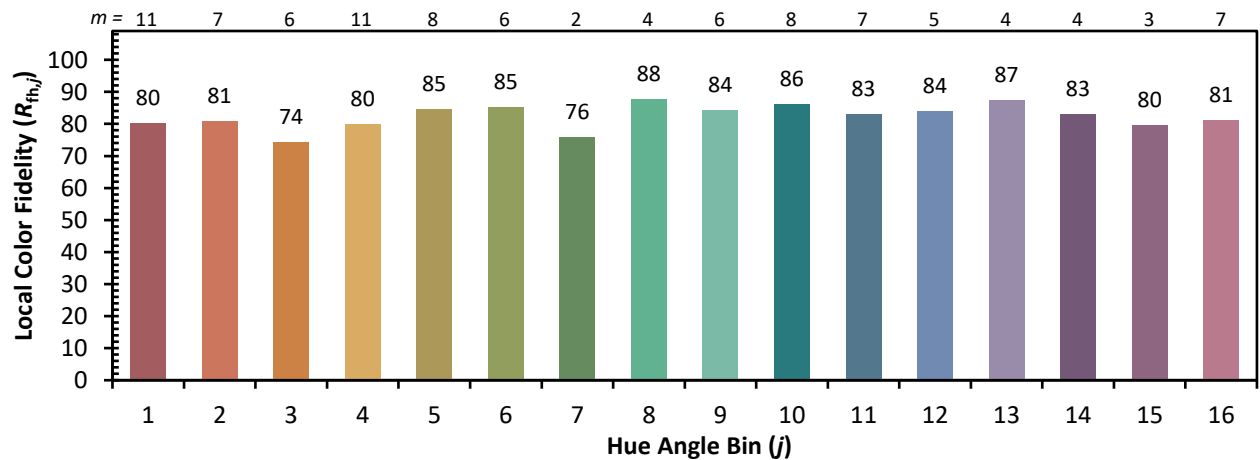
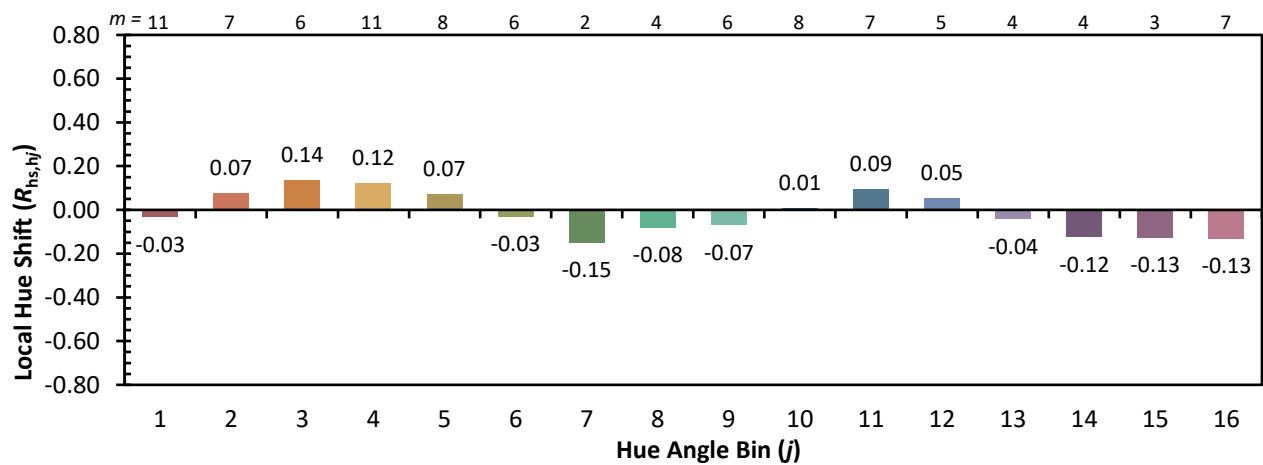
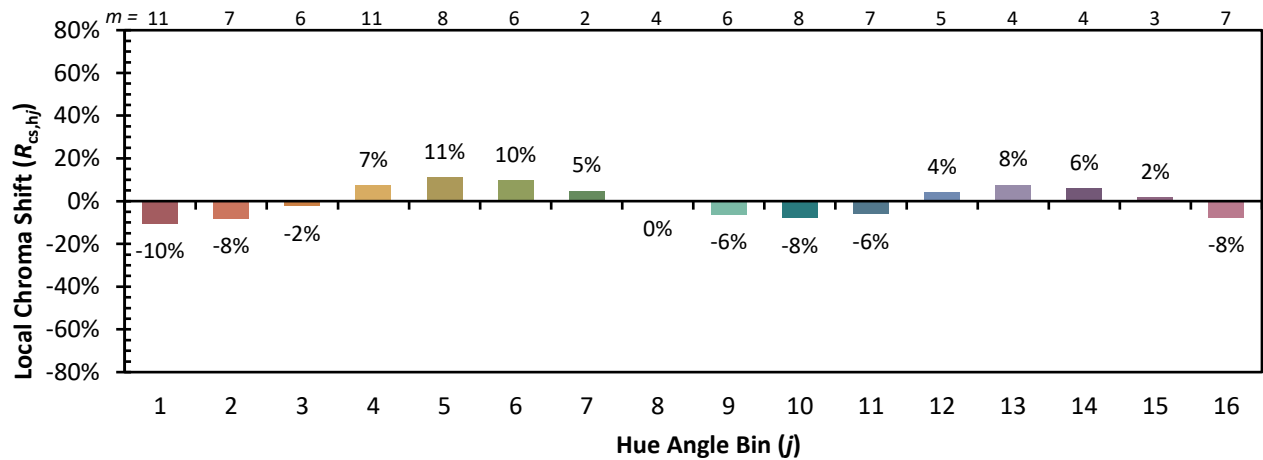


Individual Sample Fidelity Index ($R_{f,i}$)

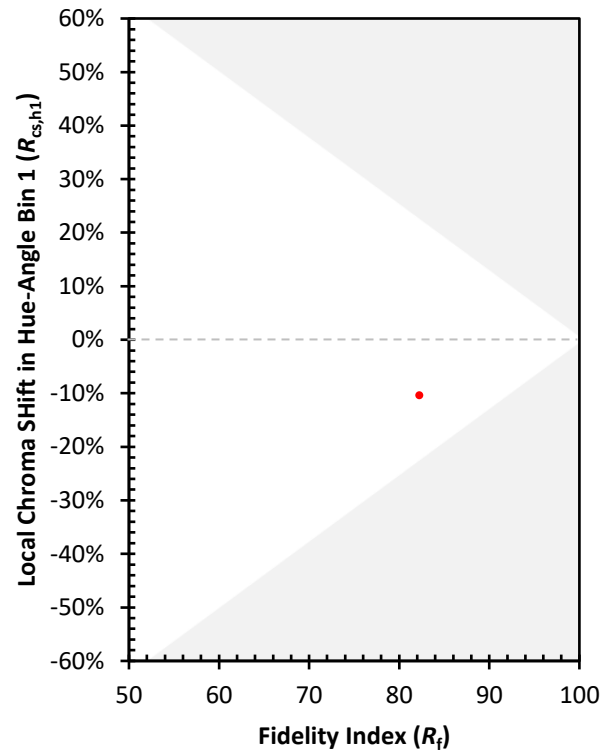
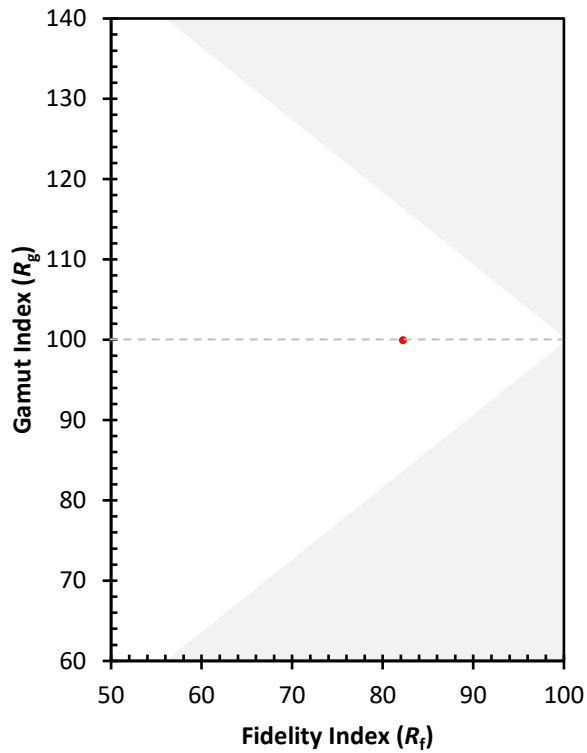
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)