

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: P1065848

Luminaire Tested: **NVN-SA5D-750-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065848
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5D-750-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31781.1 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 269.7
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



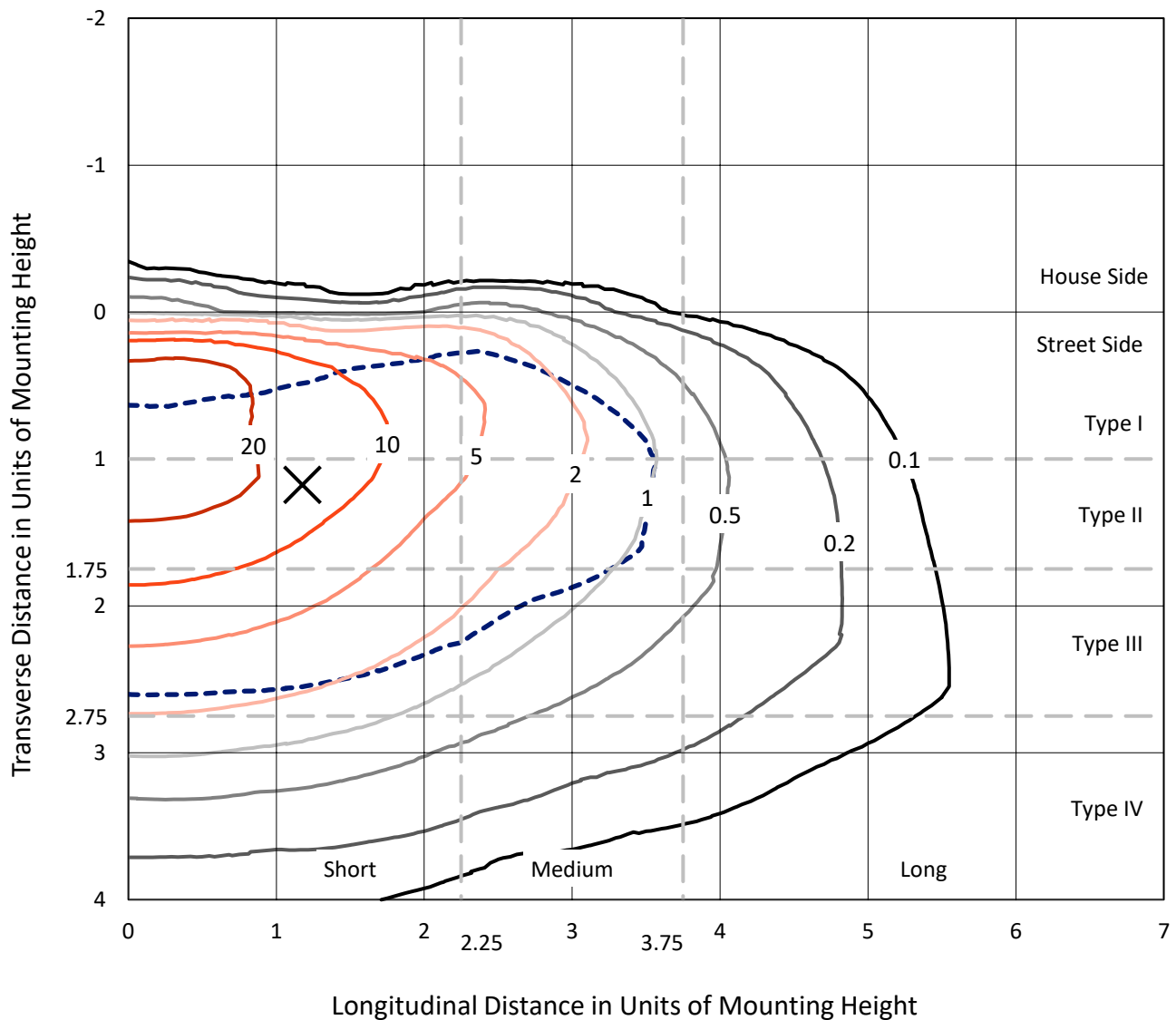
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

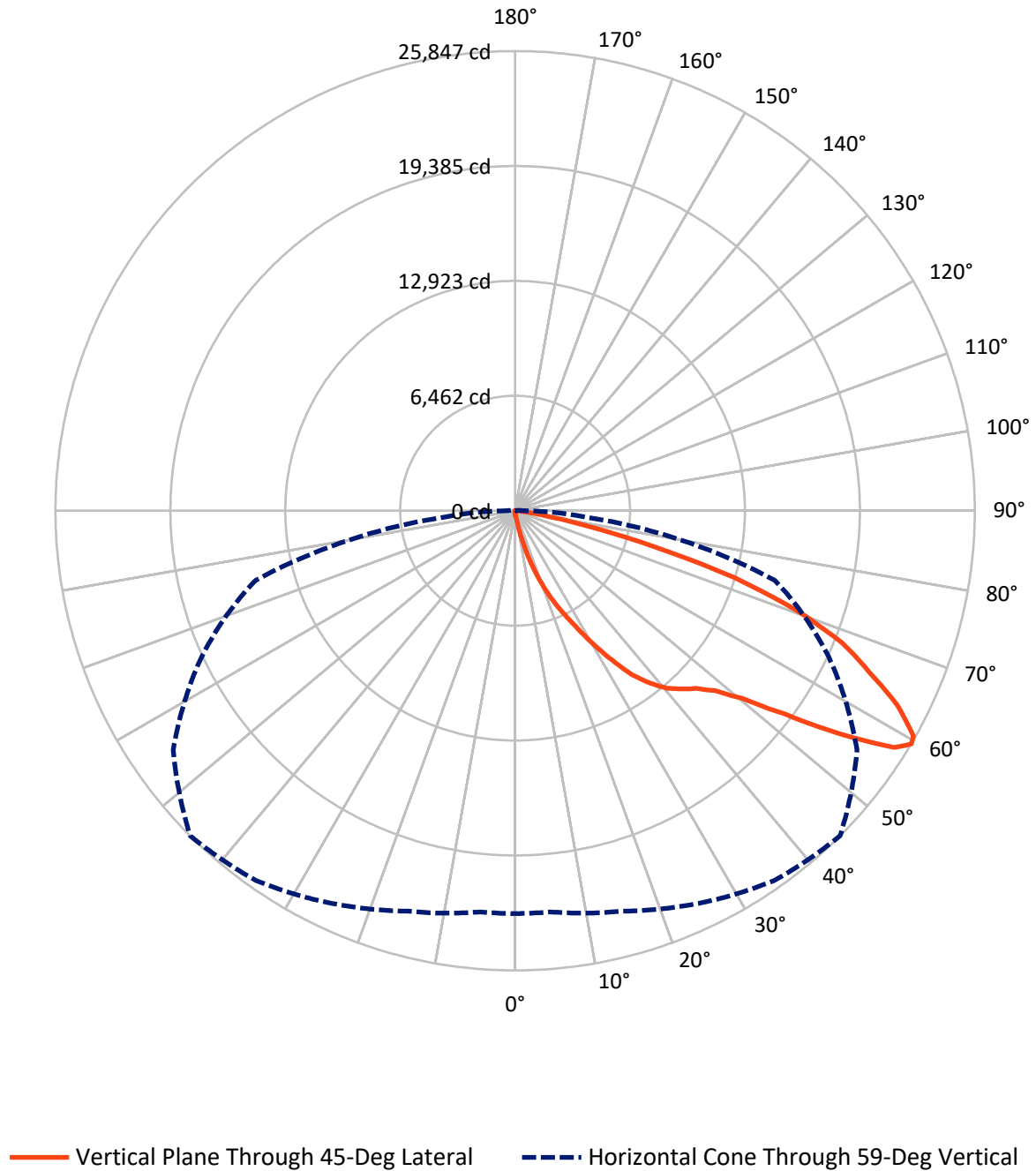


Based on 15 foot mounting height. Maximum calculated value = 34.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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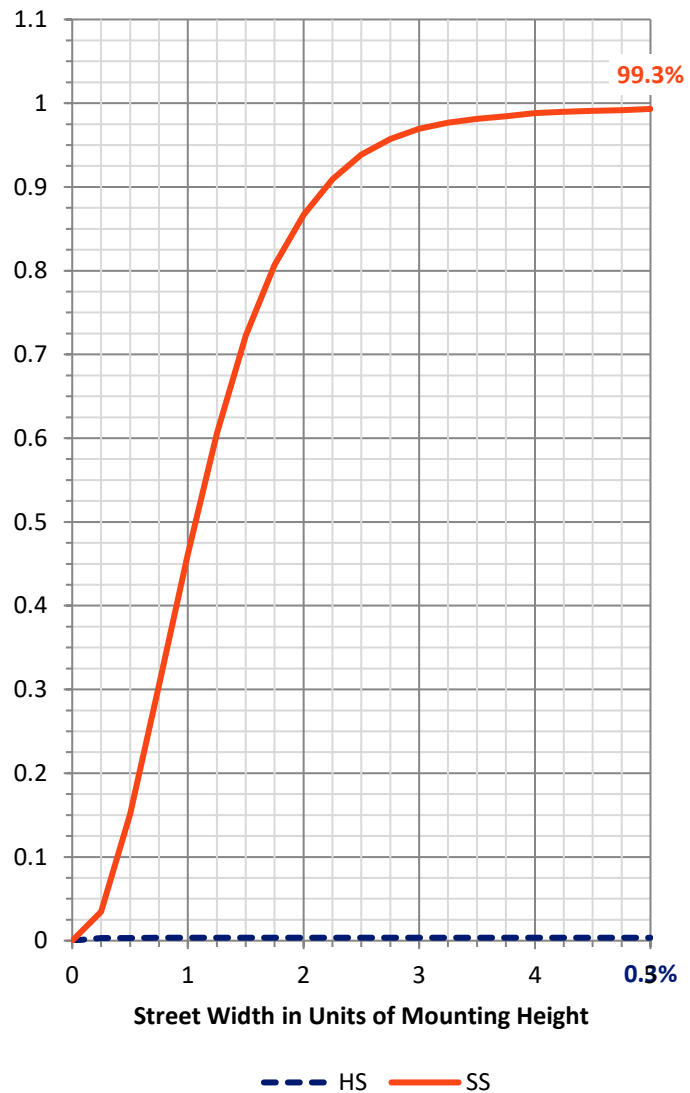
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	112.8	0.0	112.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	31668.2	0.0	31668.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	31781.1	0.0	31781.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	0.1
10°-20°	351.3	1.1
20°-30°	1262.2	4.0
30°-40°	2932.9	9.2
40°-50°	4999.0	15.7
50°-60°	8237.0	25.9
60°-70°	9523.8	30.0
70°-80°	4091.7	12.9
80°-90°	353.6	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°	31781.1	100.0
0°-180°	31781.1	100.0



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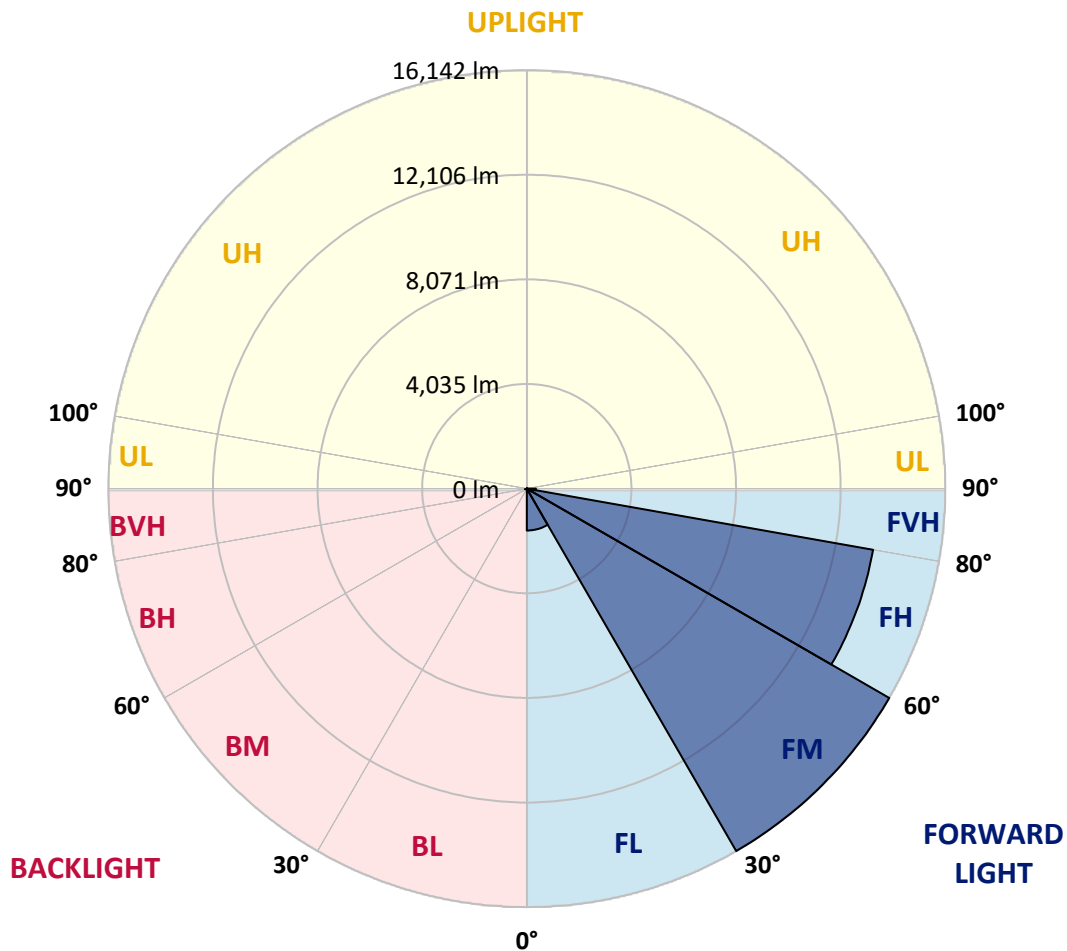
CATALOG NUMBER: NVN-SA5D-750-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1615.1	5.1			
FM	(30°-60°)	16141.7	50.8			
FH	(60°-80°)	13562.5	42.7			G5
FVH	(80°-90°)	349.0	1.1			G3/500
BL	(0°-30°)	27.8	0.1	B0/110		
BM	(30°-60°)	27.3	0.1	B0/220		
BH	(60°-80°)	53.1	0.2	B0/110		G0/110
BVH	(80°-90°)	4.6	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-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	260.7	260.7	254.3	245.8	243.6	237.2	237.2	230.8	222.2	215.8	207.3
5°	378.2	376.1	359.0	337.6	309.9	292.8	292.8	269.3	247.9	228.7	211.6
7.5°	827.0	807.8	745.8	643.2	508.6	418.8	412.4	335.5	284.2	245.8	213.7
10°	1897.6	1831.4	1743.8	1498.0	1106.9	773.6	758.6	489.4	339.8	265.0	218.0
12.5°	3109.3	3162.7	2987.5	2600.7	2143.4	1594.2	1487.3	824.9	448.8	290.6	222.2
15°	4212.0	4199.1	4100.8	3784.6	3256.7	2525.9	2459.7	1433.9	643.2	331.2	226.5
17.5°	5036.8	5021.9	4927.9	4724.8	4318.8	3588.0	3530.3	2286.6	1008.6	388.9	230.8
20°	5906.6	5887.3	5754.9	5592.4	5237.7	4615.9	4547.5	3239.6	1579.2	483.0	230.8
22.5°	6949.4	6913.1	6772.1	6496.4	6122.4	5581.8	5519.8	4214.1	2286.6	636.8	241.5
25°	8210.2	8148.3	7953.8	7705.9	7255.0	6537.0	6470.7	5299.7	3139.2	869.7	252.2
27.5°	9648.4	9659.1	9396.3	8977.4	8372.6	7639.7	7515.7	6272.0	4021.8	1203.1	265.0
30°	11355.9	11249.0	10879.3	10392.1	9804.4	8870.6	8750.9	7240.1	5013.3	1694.6	286.4
32.5°	12954.3	12838.9	12341.0	11727.7	11097.3	10112.1	10013.8	8327.8	5915.1	2275.9	324.8
35°	14326.2	14245.0	13548.4	12800.4	12240.6	11360.1	11330.2	9541.6	6975.1	2902.0	367.6
37.5°	15533.6	15386.2	14490.8	13715.1	13146.6	12358.1	12294.0	10652.8	7996.5	3628.6	431.7
40°	16563.6	16482.4	15390.4	14371.1	13909.5	13204.3	13123.1	11627.2	9052.2	4472.7	510.7
42.5°	17666.3	17559.5	16499.5	15356.3	14505.7	13751.4	13698.0	12430.7	9992.5	5400.1	628.3
45°	18912.2	18713.4	17783.9	16758.1	15465.2	14317.7	14257.9	13146.6	10956.2	6395.9	771.4
47.5°	20243.5	20070.4	19318.2	18598.0	17110.7	15251.5	15123.3	13755.7	11913.6	7545.6	953.1
50°	21598.3	21602.6	21038.5	20692.3	19121.6	16768.8	16587.2	14651.1	12920.1	8776.5	1222.3
52.5°	23175.4	23216.0	23207.5	22951.0	21733.0	19249.8	19006.2	16010.2	14089.0	10212.6	1594.2
55°	23835.8	23908.4	24380.7	24949.1	24617.9	22395.4	22134.7	18354.4	15638.3	11813.2	2145.5
57.5°	23295.1	23376.3	24028.1	25023.9	25784.7	25150.0	25120.1	21406.0	17679.1	13753.5	3047.3
59°	22651.9	22641.2	23310.1	24365.7	25391.5	25803.9	25846.6	23470.3	19457.1	15114.8	3825.2
60°	22224.5	22233.0	22677.5	23761.0	24850.8	25566.7	25733.4	24686.3	20495.7	16093.5	4491.9
62.5°	20574.7	20673.0	21025.6	22032.1	23066.4	23865.7	24149.9	25769.7	23468.2	18405.7	6810.5
65°	18781.8	18788.2	19290.4	20151.6	21143.2	21705.2	21884.7	24083.6	25453.4	20760.7	9851.4
67.5°	15582.8	15713.1	16283.7	17679.1	18989.1	19700.7	19837.5	20963.7	24630.7	22295.0	11375.1
70°	10905.0	11075.9	11890.1	13700.1	15651.2	16820.1	16811.5	17427.0	21677.4	21611.2	9644.1
72.5°	5445.0	5739.9	6404.5	8342.7	10706.2	12541.9	12928.7	14018.5	17414.2	17950.5	7195.2
75°	2406.2	2423.3	2801.6	3778.2	5321.1	7652.5	7998.7	11127.2	13360.3	12475.6	5197.1
77.5°	1399.7	1412.5	1480.9	1696.8	2156.2	3750.4	4139.3	7297.7	9441.1	7250.7	3389.2
80°	508.6	521.4	519.3	643.2	944.5	1476.6	1645.5	3536.7	6297.6	3818.8	1775.8
82.5°	312.0	312.0	301.3	303.4	344.1	566.3	619.7	1506.6	3066.6	1880.5	508.6
85°	153.9	162.4	173.1	194.5	230.8	279.9	297.0	431.7	1032.2	455.2	121.8
87.5°	91.9	94.0	102.6	123.9	153.9	200.9	213.7	292.8	369.7	305.6	29.9
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-SA5D-750-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	203.0	200.9	190.2	181.6	173.1	164.5	158.1	151.7	151.7	153.9	151.7
5°	203.0	194.5	177.4	162.4	149.6	138.9	128.2	119.7	117.5	117.5	119.7
7.5°	200.9	190.2	166.7	147.5	130.4	115.4	104.7	94.0	91.9	94.0	91.9
10°	198.7	185.9	158.1	134.6	111.1	96.2	81.2	70.5	70.5	70.5	72.7
12.5°	198.7	179.5	149.6	121.8	96.2	79.1	64.1	53.4	51.3	51.3	51.3
15°	196.6	175.2	141.0	106.8	81.2	59.8	47.0	36.3	36.3	36.3	36.3
17.5°	192.3	168.8	130.4	94.0	64.1	44.9	32.1	21.4	21.4	25.6	25.6
20°	188.1	162.4	117.5	76.9	53.4	34.2	21.4	12.8	12.8	19.2	21.4
22.5°	190.2	162.4	109.0	68.4	42.7	25.6	17.1	10.7	8.5	15.0	19.2
25°	192.3	158.1	98.3	59.8	32.1	19.2	12.8	4.3	2.1	4.3	6.4
27.5°	192.3	153.9	85.5	47.0	23.5	15.0	6.4	0.0	0.0	0.0	0.0
30°	190.2	147.5	74.8	38.5	17.1	8.5	2.1	0.0	0.0	0.0	0.0
32.5°	188.1	141.0	68.4	29.9	15.0	4.3	0.0	0.0	0.0	0.0	0.0
35°	190.2	132.5	59.8	23.5	8.5	0.0	0.0	0.0	0.0	0.0	4.3
37.5°	196.6	123.9	51.3	19.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	205.1	117.5	42.7	15.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	222.2	117.5	38.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	243.6	117.5	32.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	271.4	119.7	27.8	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	305.6	123.9	25.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	331.2	119.7	23.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	376.1	115.4	21.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	435.9	109.0	21.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	495.8	100.4	21.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	564.2	96.2	19.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	931.7	85.5	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1799.3	81.2	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2908.4	81.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3058.0	81.2	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2034.4	66.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1089.9	59.8	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	587.7	55.6	8.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	258.6	40.6	10.7	6.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	102.6	27.8	12.8	10.7	8.5	4.3	0.0	0.0	0.0	0.0	0.0
85°	49.2	21.4	17.1	15.0	10.7	6.4	0.0	0.0	0.0	0.0	0.0
87.5°	23.5	21.4	19.2	17.1	15.0	10.7	2.1	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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

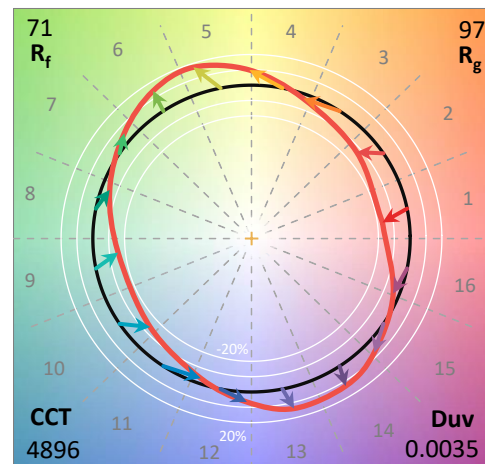
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

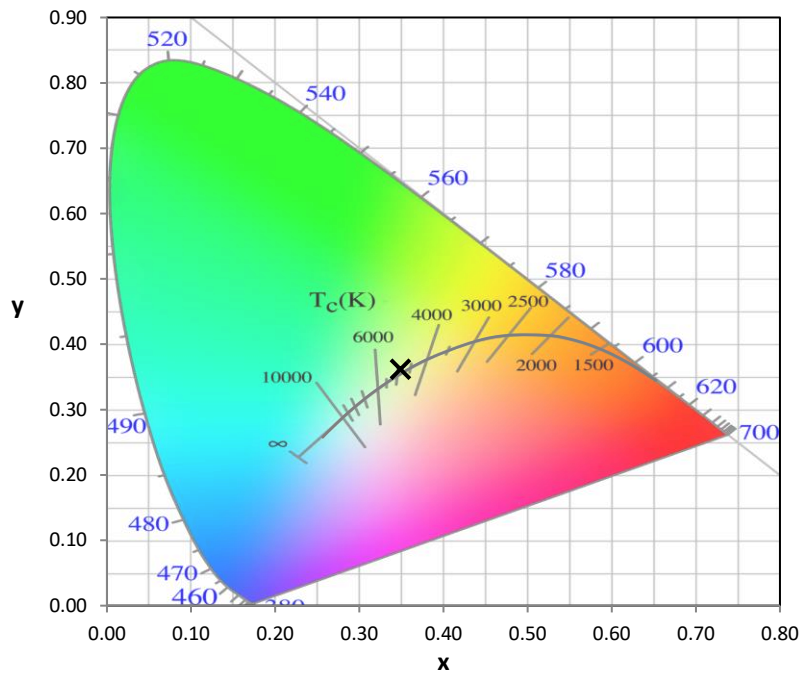
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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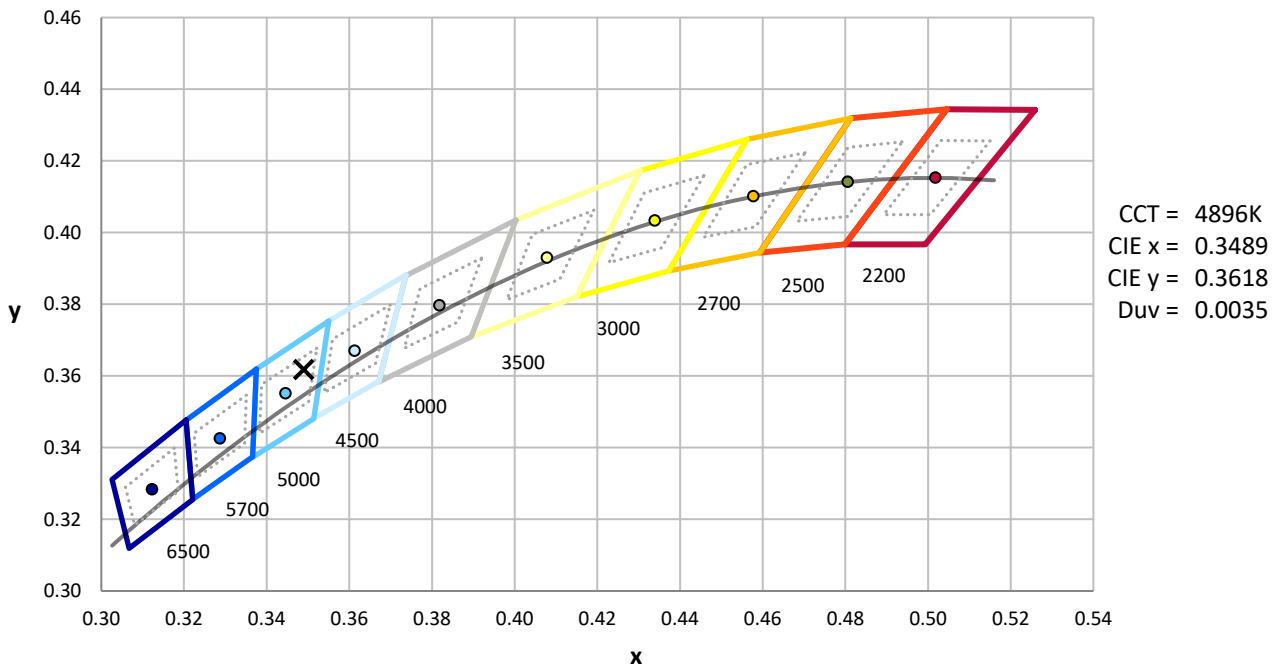
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



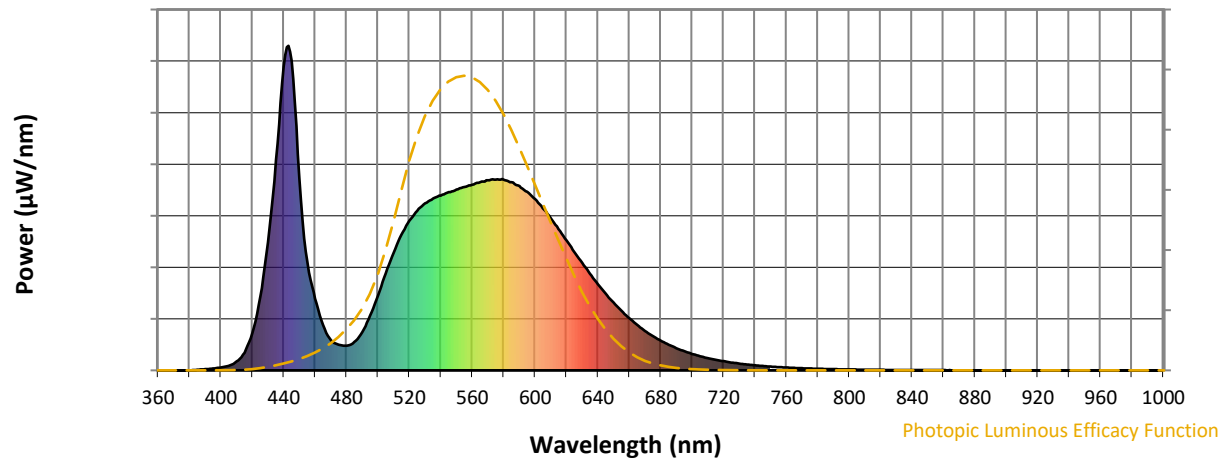
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

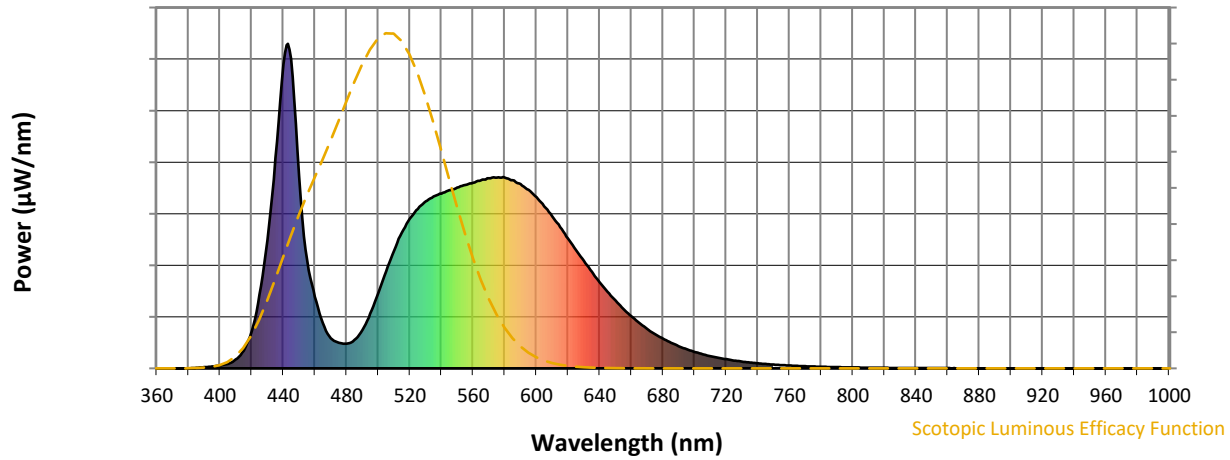


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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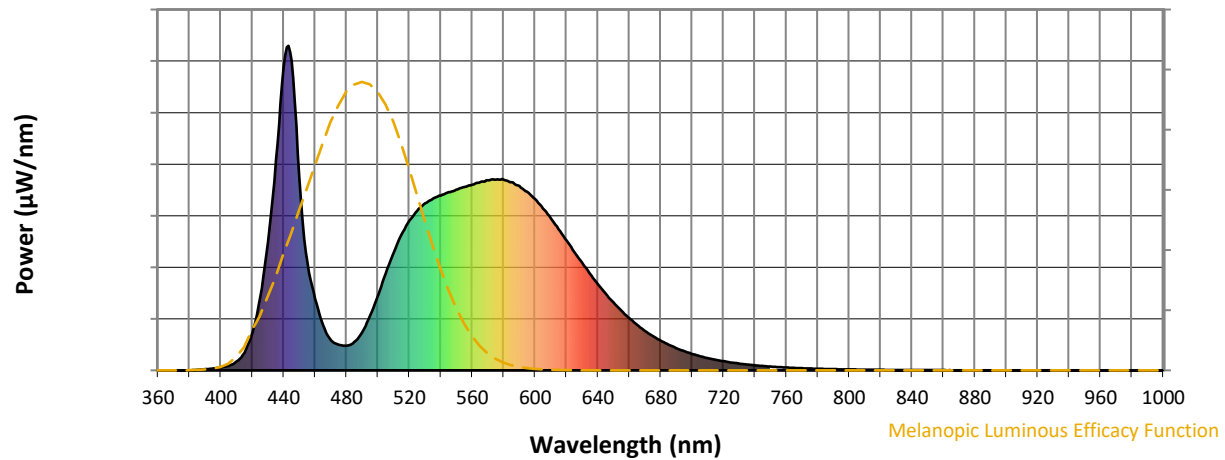
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.7

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	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.37

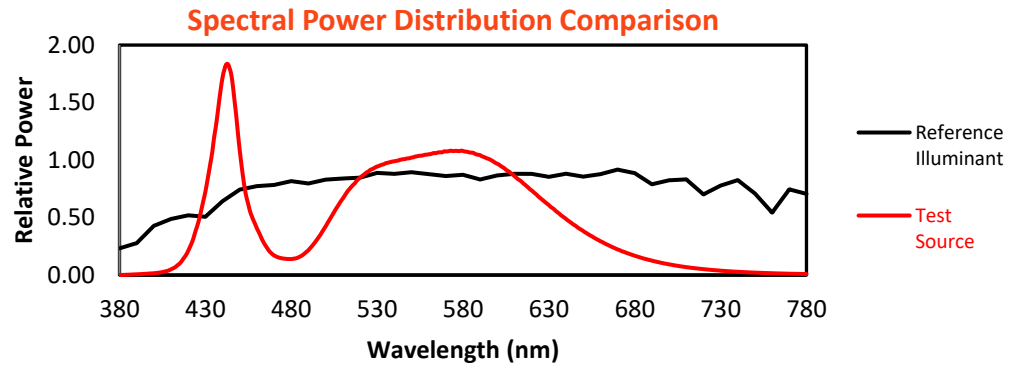
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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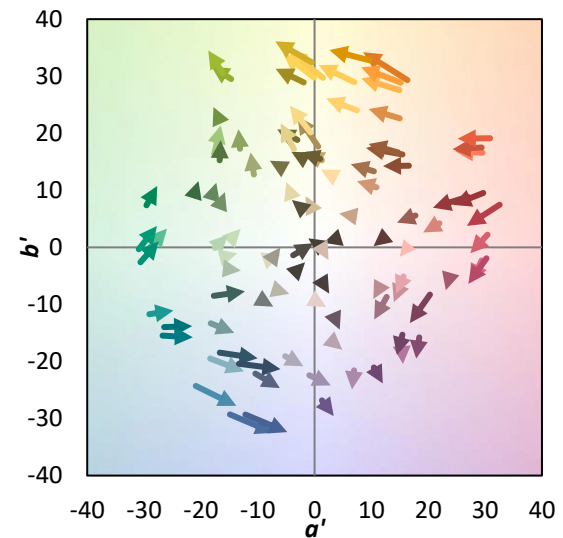
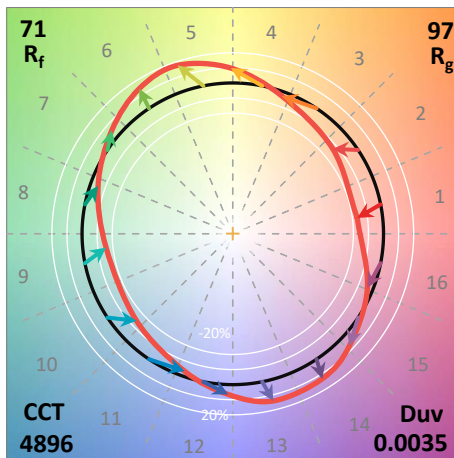
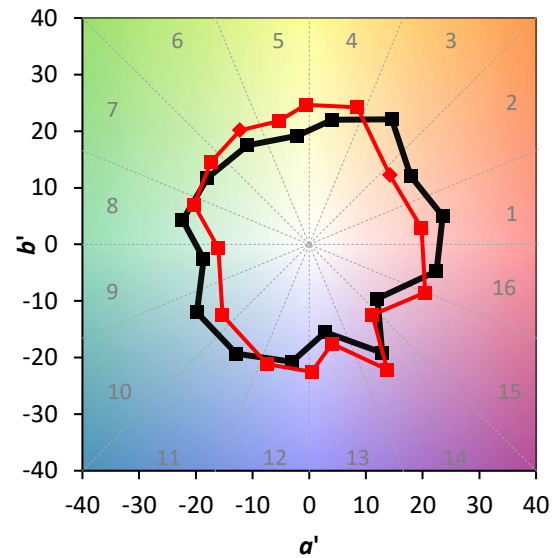
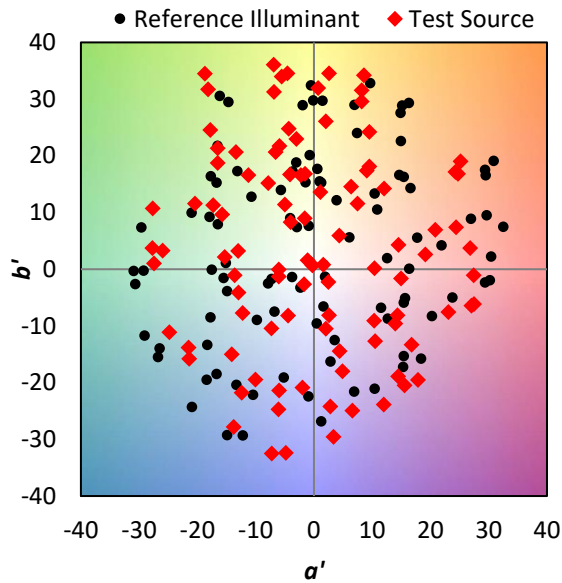
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$

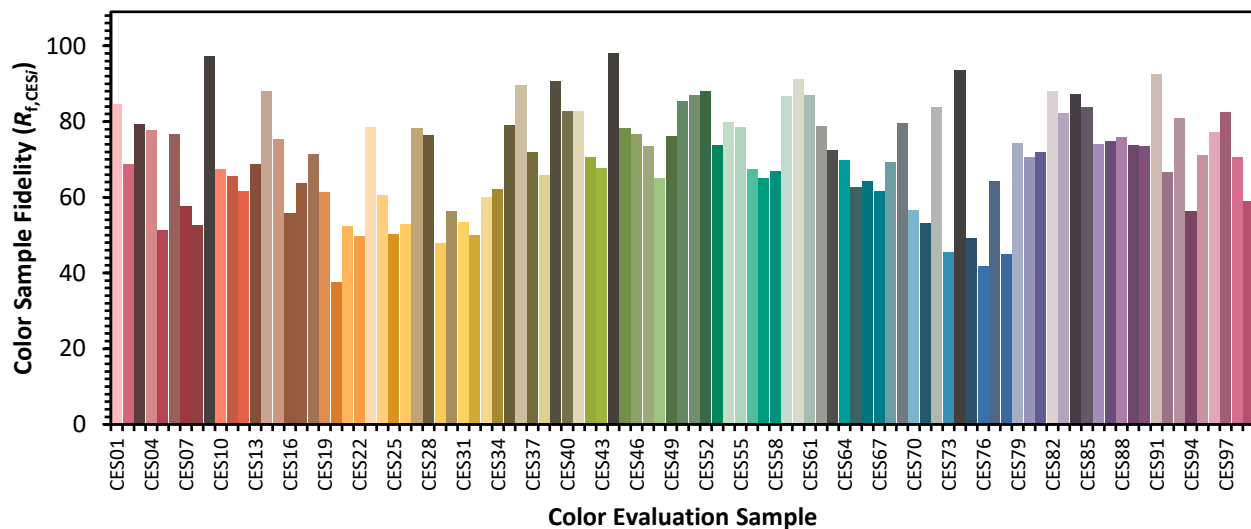


Color Vector Graphics

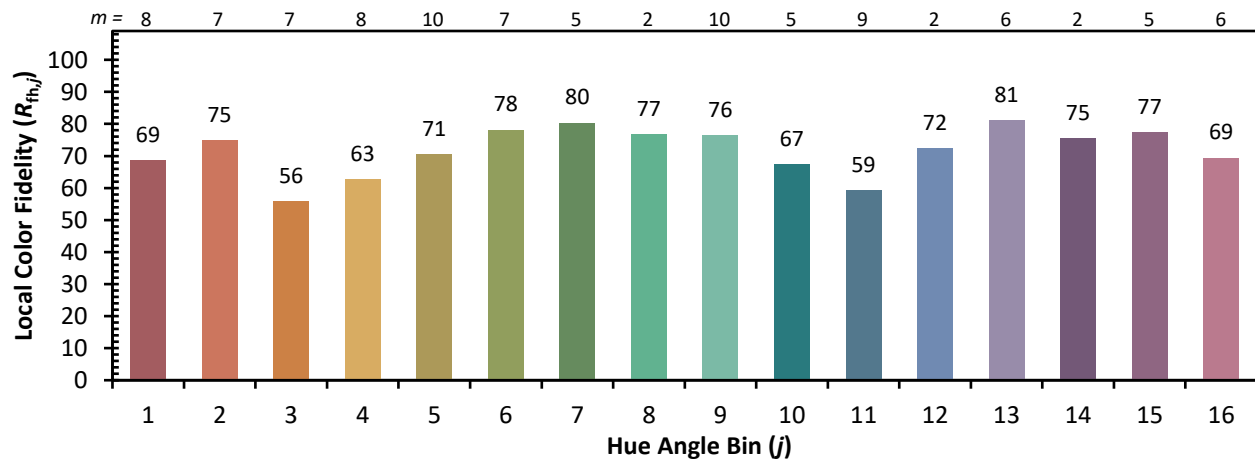
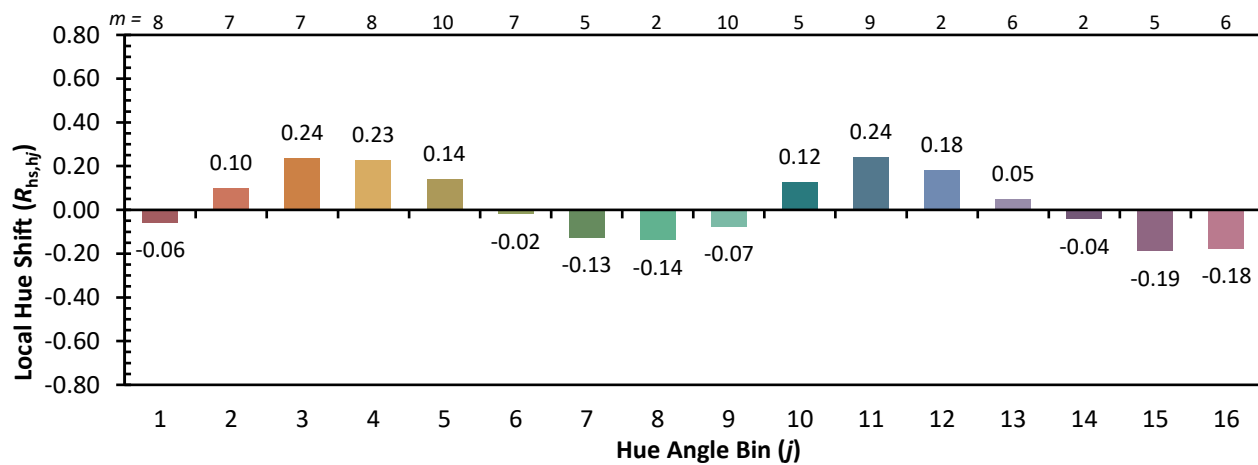
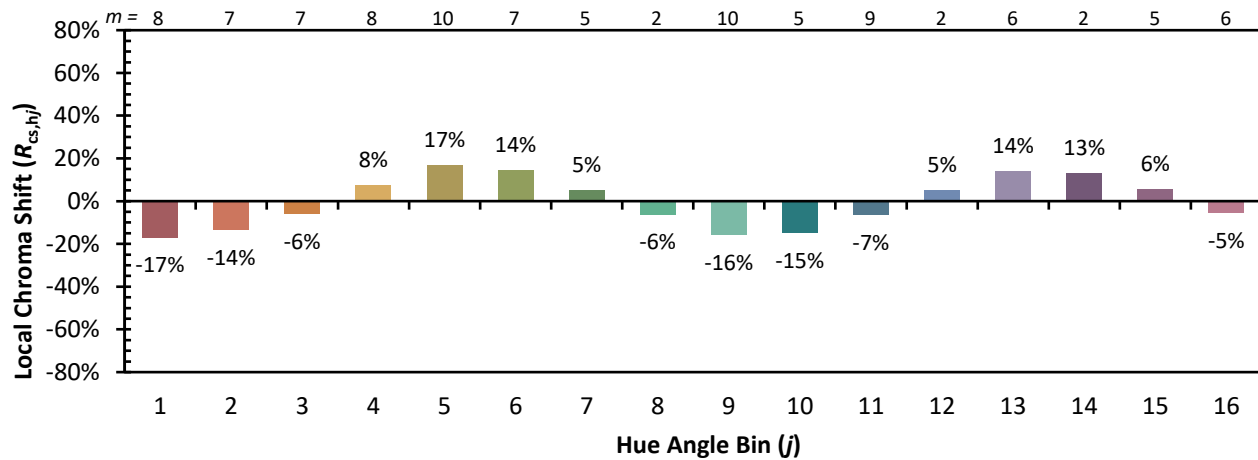


Individual Sample Fidelity Index ($R_{f,i}$)

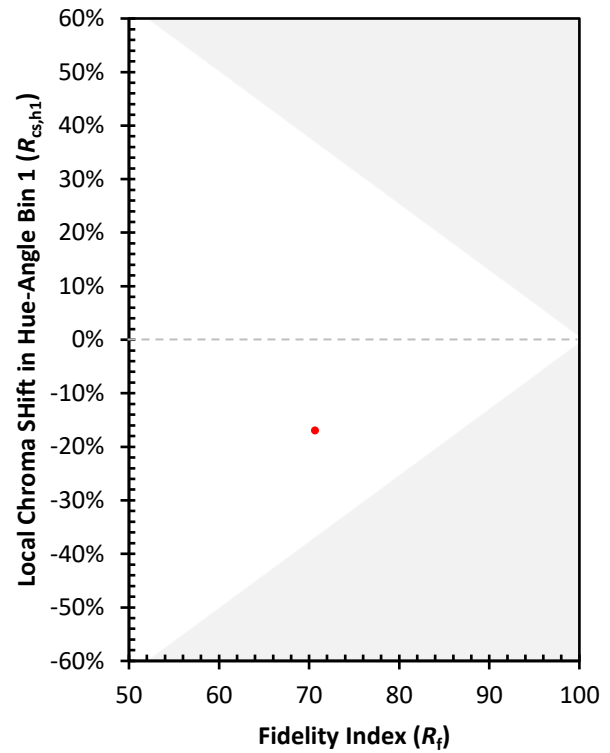
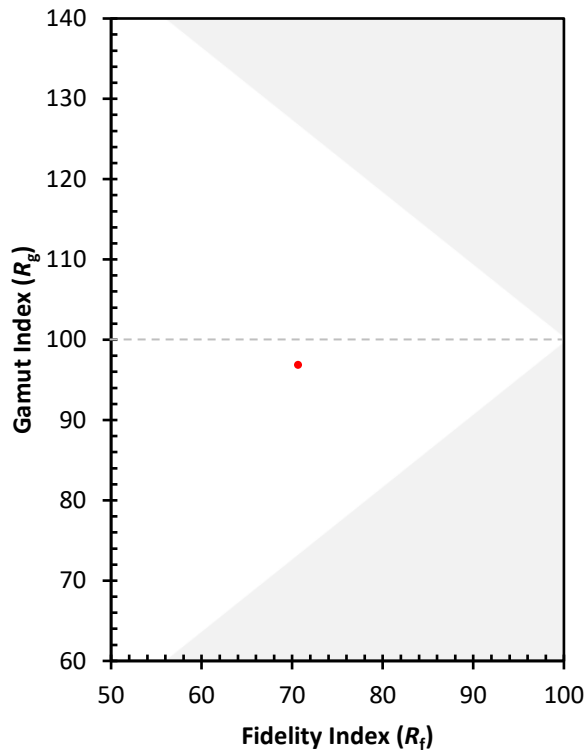
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)