

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: P1065956

Luminaire Tested: **NVN-SA2D-740-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065956
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2D-740-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12085.1 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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



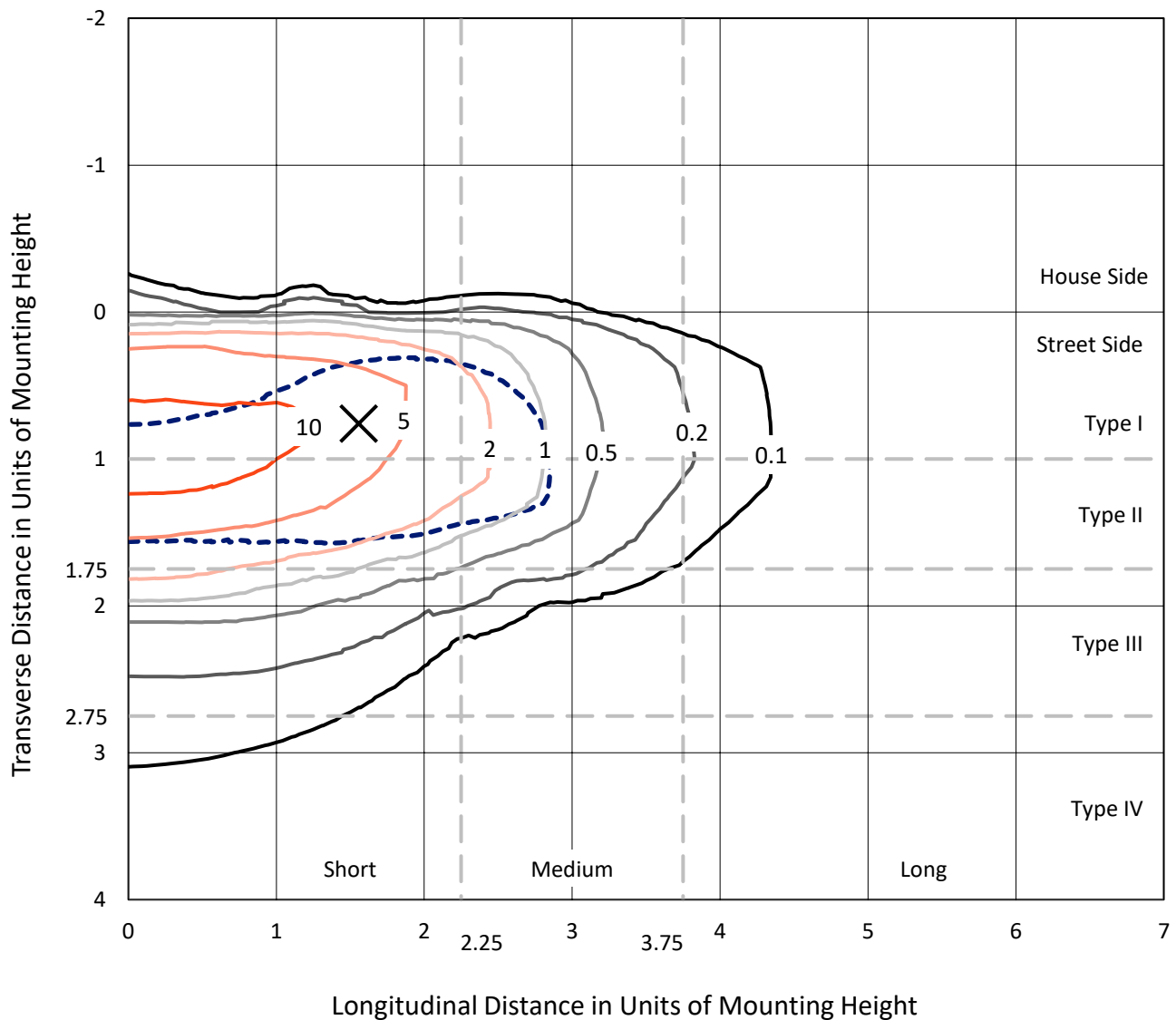
REPORT NUMBER: P1065956

CATALOG NUMBER: NVN-SA2D-740-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

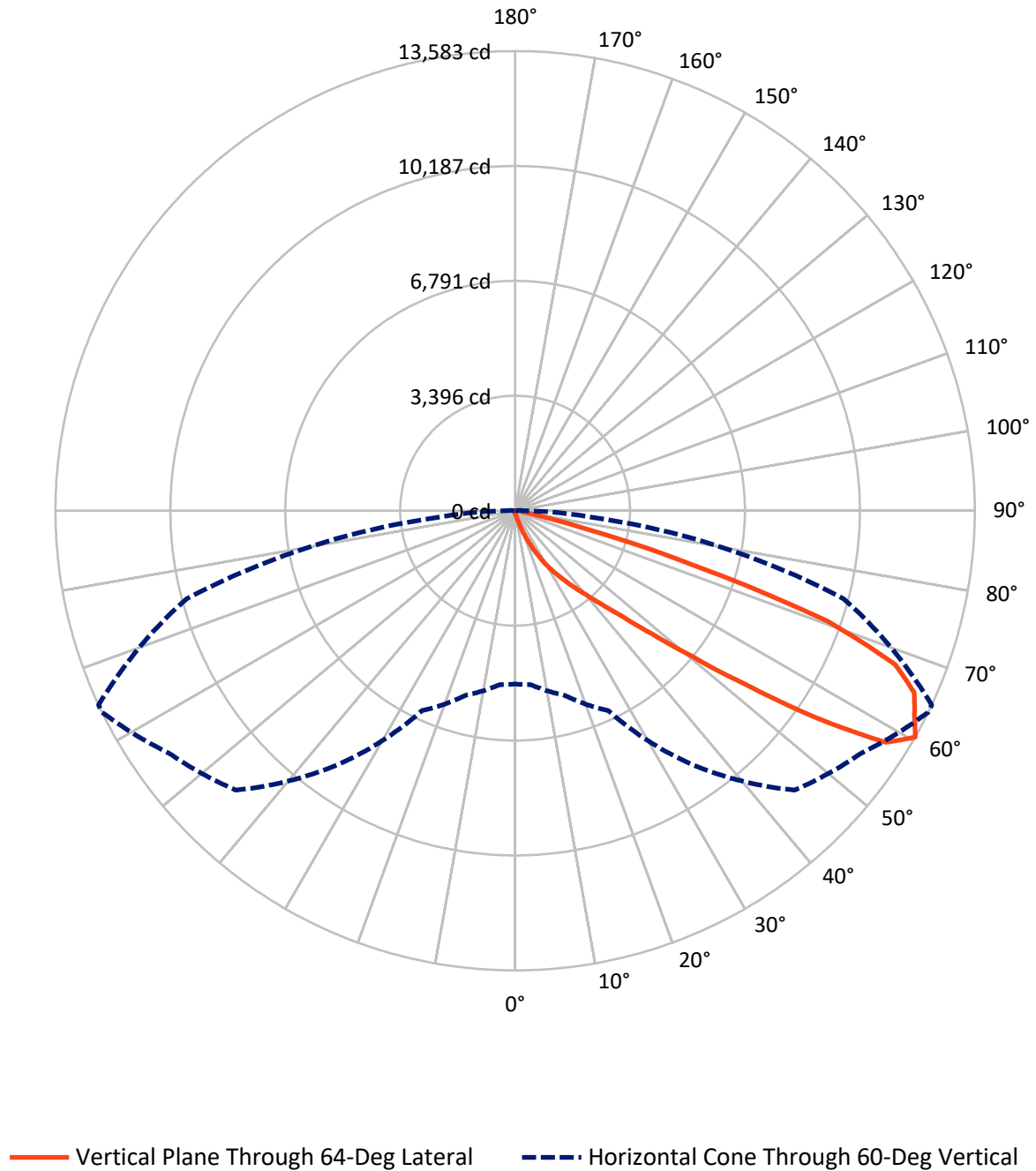


Based on 15 foot mounting height. Maximum calculated value = 17.3 fc
 Type II - Short - N/A

REPORT NUMBER: P1065956

CATALOG NUMBER: NVN-SA2D-740-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1065956

CATALOG NUMBER: NVN-SA2D-740-U-T2BC

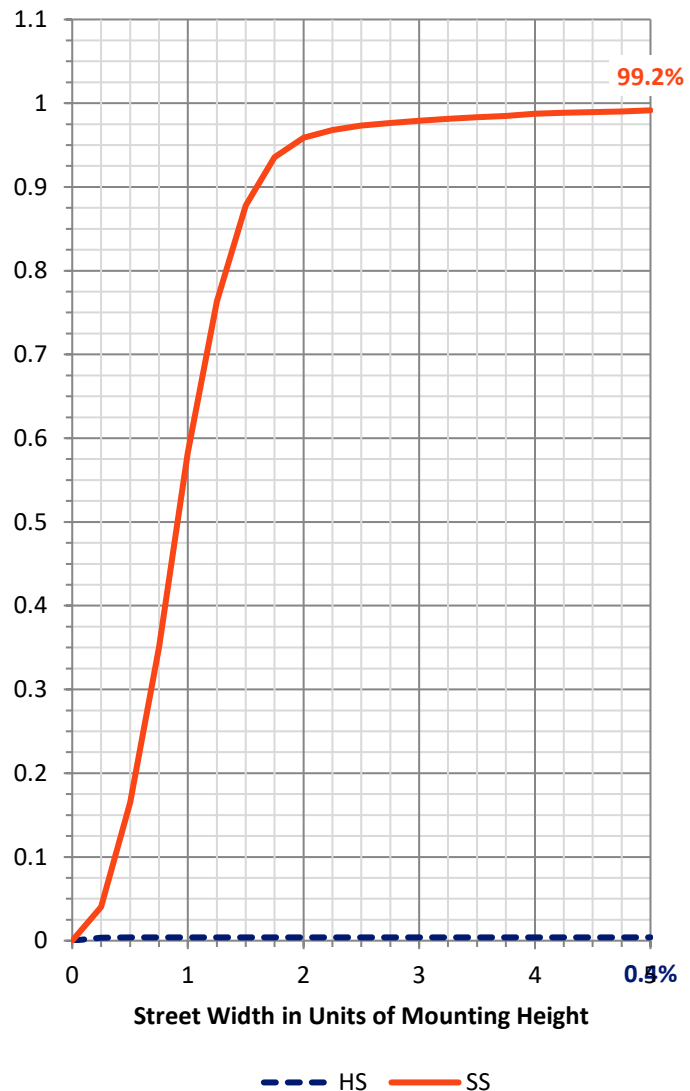
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.0	0.0	49.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12036.1	0.0	12036.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	12085.1	0.0	12085.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	118.8	1.0
20°-30°	394.4	3.3
30°-40°	1052.5	8.7
40°-50°	2675.1	22.1
50°-60°	3899.7	32.3
60°-70°	3012.1	24.9
70°-80°	827.2	6.8
80°-90°	93.4	0.8
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°	12085.1	100.0
0°-180°	12085.1	100.0



REPORT NUMBER: P1065956

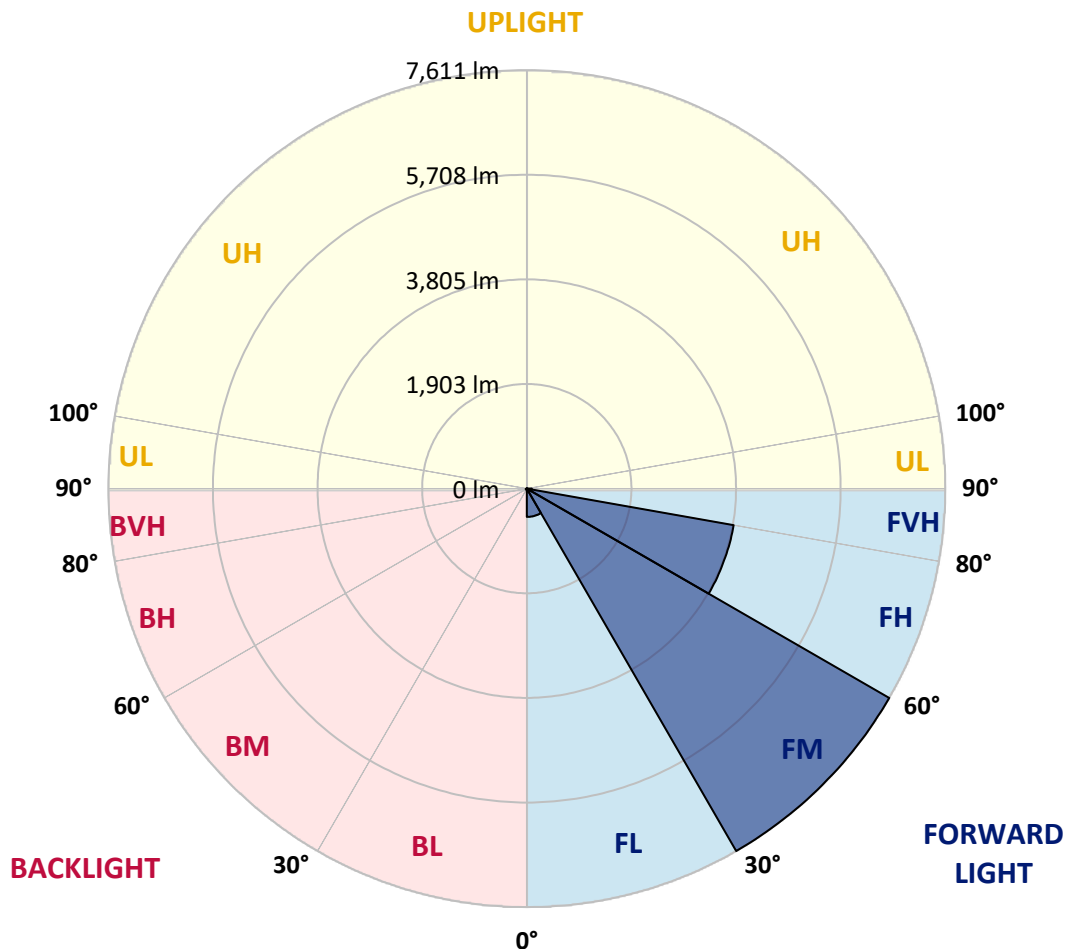
CATALOG NUMBER: NVN-SA2D-740-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	514.2	4.3			
FM	(30°-60°)	7611.0	63.0			
FH	(60°-80°)	3819.8	31.6			G2/5000
FVH	(80°-90°)	91.2	0.8			G1/100
BL	(0°-30°)	11.0	0.1	B0/110		
BM	(30°-60°)	16.2	0.1	B0/220		
BH	(60°-80°)	19.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G2

Type II Short



REPORT NUMBER: P1065956

CATALOG NUMBER: NVN-SA2D-740-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	106.5	106.5	106.5	103.1	99.8	99.8	96.5	93.1	93.1	86.5	83.2
5°	163.0	163.0	156.3	149.7	139.7	126.4	113.1	103.1	103.1	93.1	86.5
7.5°	319.4	329.3	299.4	262.8	212.9	179.6	143.0	119.8	116.4	99.8	86.5
10°	691.9	685.3	638.7	548.9	432.5	312.7	199.6	146.4	139.7	106.5	86.5
12.5°	1041.2	1051.2	1001.3	901.5	761.8	555.5	342.6	189.6	183.0	116.4	86.5
15°	1340.6	1340.6	1307.3	1257.4	1104.4	888.2	552.2	282.8	259.5	126.4	83.2
17.5°	1546.9	1543.5	1530.2	1516.9	1427.1	1204.2	845.0	452.4	399.2	149.7	83.2
20°	1779.7	1769.7	1786.4	1759.8	1689.9	1513.6	1154.3	672.0	622.1	189.6	83.2
22.5°	2022.6	2032.5	2045.9	2019.2	1942.7	1789.7	1480.3	954.7	901.5	262.8	86.5
25°	2331.9	2325.3	2355.2	2331.9	2235.5	2055.8	1786.4	1264.1	1187.6	365.9	93.1
27.5°	2711.2	2697.9	2717.8	2657.9	2531.5	2348.6	2059.2	1580.1	1490.3	525.6	106.5
30°	3213.5	3223.5	3133.6	3063.8	2884.2	2641.3	2361.9	1919.4	1826.3	715.2	119.8
32.5°	4005.2	3935.4	3795.6	3512.9	3276.7	2967.3	2664.6	2215.5	2132.3	958.1	139.7
35°	5239.4	5252.7	4946.6	4248.1	3735.8	3376.5	2997.3	2541.5	2481.6	1234.2	166.3
37.5°	6743.0	6706.4	6436.9	5555.4	4407.7	3885.5	3376.5	2897.5	2811.0	1533.6	199.6
40°	8446.2	8293.2	8136.8	7538.0	5808.2	4524.2	3855.5	3310.0	3243.4	1879.5	252.8
42.5°	9810.1	9770.2	9796.8	9547.3	8143.5	5612.0	4490.9	3815.6	3735.8	2308.7	346.0
45°	10482.1	10425.5	10585.2	10771.5	10412.2	7927.3	5515.5	4461.0	4354.5	2814.3	489.0
47.5°	10302.4	10262.5	10605.2	10971.1	11450.1	10611.8	7188.8	5425.7	5242.7	3463.0	701.9
50°	9417.6	9420.9	9983.1	10665.0	11423.5	11972.4	9667.1	6746.3	6516.8	4324.6	1034.6
52.5°	8556.0	8582.6	9178.1	10172.7	11027.6	12132.1	11842.6	8526.0	8153.5	5339.2	1427.1
55°	7671.1	7684.4	8210.0	9610.5	10841.3	11656.4	12960.4	10818.1	10422.2	6603.3	1809.7
57.5°	6819.5	6819.5	7015.8	8259.9	10638.4	11613.1	12827.3	12913.8	12591.1	8047.0	2092.4
60°	5122.9	5156.2	5645.2	6516.8	9174.7	11676.3	12488.0	13582.5	13582.5	10049.6	2308.7
62.5°	2588.1	2638.0	3246.7	4095.0	6293.9	10804.8	12541.2	13246.5	13299.7	11816.0	2801.0
65°	1214.2	1270.8	1596.8	2195.5	3386.5	7604.6	11989.0	12960.4	12943.7	11480.0	3838.9
67.5°	871.6	888.2	998.0	1280.7	1823.0	3333.2	9151.4	12105.4	12112.1	9753.6	4414.4
70°	781.7	781.7	808.4	891.5	1097.8	1490.3	4447.6	9803.4	10279.2	7531.4	4091.7
72.5°	771.8	765.1	758.5	761.8	741.8	748.5	1526.9	5535.4	6214.1	5269.3	3263.4
75°	751.8	751.8	745.2	721.9	592.1	482.4	525.6	2238.8	2588.1	3519.5	2421.8
77.5°	595.5	655.3	725.2	682.0	542.2	362.6	306.0	648.7	818.3	2159.0	1756.4
80°	276.1	279.4	276.1	289.4	346.0	259.5	226.2	316.0	319.4	1197.6	1087.8
82.5°	199.6	202.9	192.9	173.0	153.0	139.7	186.3	232.9	249.5	548.9	405.8
85°	59.9	56.6	66.5	89.8	106.5	123.1	156.3	196.3	206.2	202.9	59.9
87.5°	26.6	26.6	33.3	46.6	63.2	93.1	136.4	179.6	183.0	209.6	16.6
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: P1065956

CATALOG NUMBER: NVN-SA2D-740-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	83.2	79.8	76.5	73.2	69.9	66.5	63.2	63.2	66.5	66.5	66.5
5°	79.8	76.5	69.9	63.2	59.9	56.6	53.2	53.2	56.6	56.6	56.6
7.5°	79.8	73.2	66.5	59.9	53.2	49.9	46.6	46.6	46.6	49.9	49.9
10°	79.8	73.2	63.2	53.2	46.6	43.2	39.9	36.6	39.9	39.9	39.9
12.5°	76.5	69.9	59.9	49.9	39.9	33.3	29.9	29.9	29.9	29.9	29.9
15°	73.2	66.5	56.6	43.2	33.3	26.6	20.0	20.0	20.0	23.3	23.3
17.5°	69.9	63.2	49.9	33.3	23.3	16.6	13.3	13.3	13.3	16.6	16.6
20°	69.9	59.9	43.2	26.6	16.6	10.0	6.7	6.7	6.7	10.0	13.3
22.5°	69.9	59.9	39.9	20.0	10.0	6.7	3.3	3.3	3.3	3.3	3.3
25°	69.9	56.6	36.6	16.6	6.7	3.3	0.0	0.0	3.3	6.7	10.0
27.5°	69.9	53.2	29.9	10.0	6.7	3.3	0.0	3.3	6.7	6.7	6.7
30°	69.9	53.2	26.6	10.0	3.3	0.0	0.0	3.3	6.7	6.7	10.0
32.5°	73.2	49.9	23.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	76.5	46.6	20.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	83.2	46.6	13.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	93.1	49.9	13.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	116.4	53.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	163.0	66.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	239.5	99.8	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	349.3	136.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	429.1	136.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	425.8	86.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	326.0	59.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	276.1	43.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	332.7	33.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	592.1	29.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	951.4	29.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1064.5	29.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	831.6	26.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	455.7	23.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	229.5	16.6	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	96.5	13.3	6.7	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
82.5°	33.3	13.3	6.7	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0
85°	16.6	10.0	10.0	6.7	6.7	3.3	3.3	0.0	0.0	0.0	0.0
87.5°	10.0	10.0	10.0	6.7	6.7	3.3	3.3	0.0	0.0	0.0	3.3
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

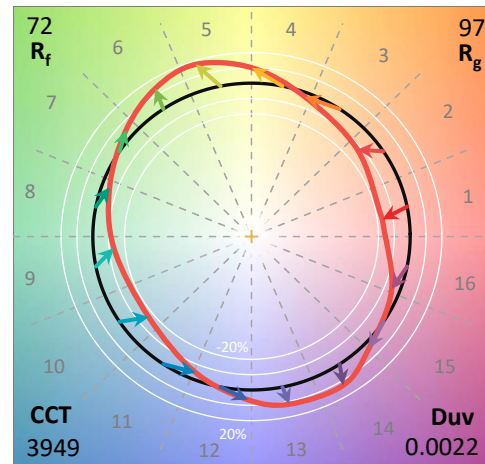
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

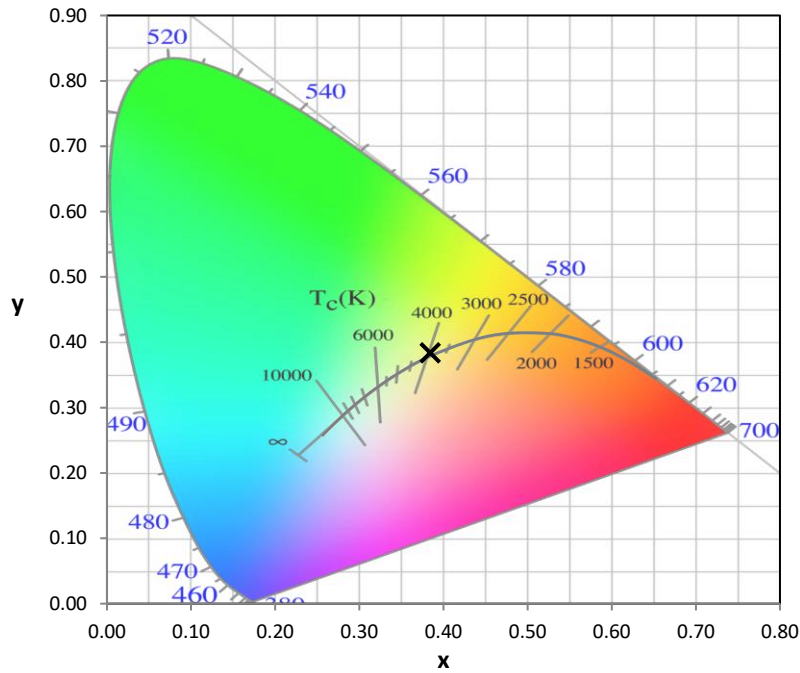
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

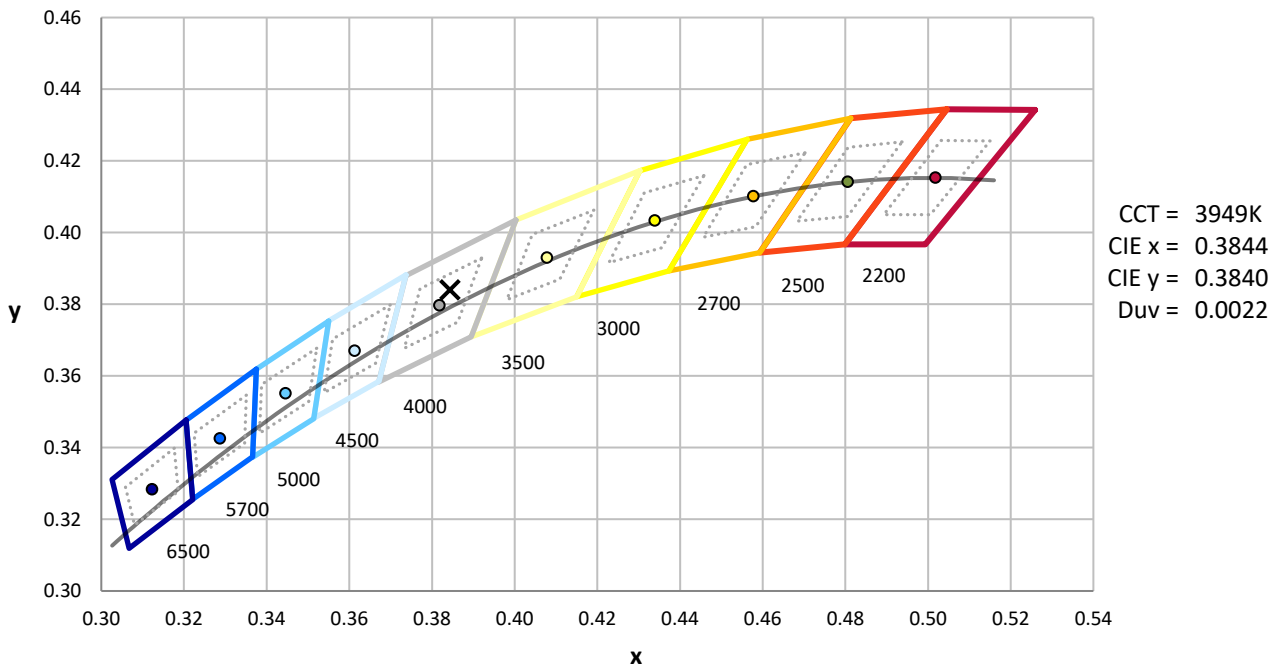
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



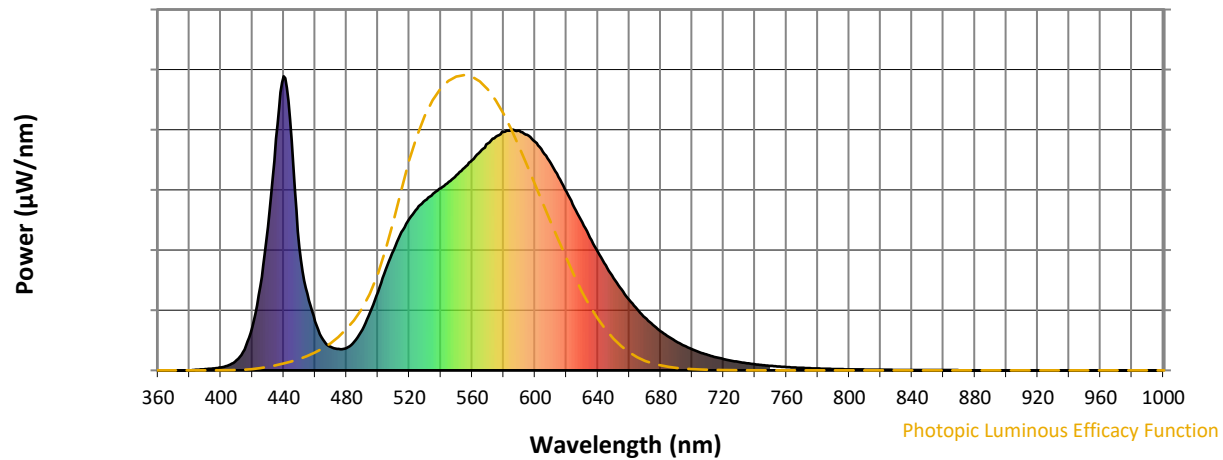
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

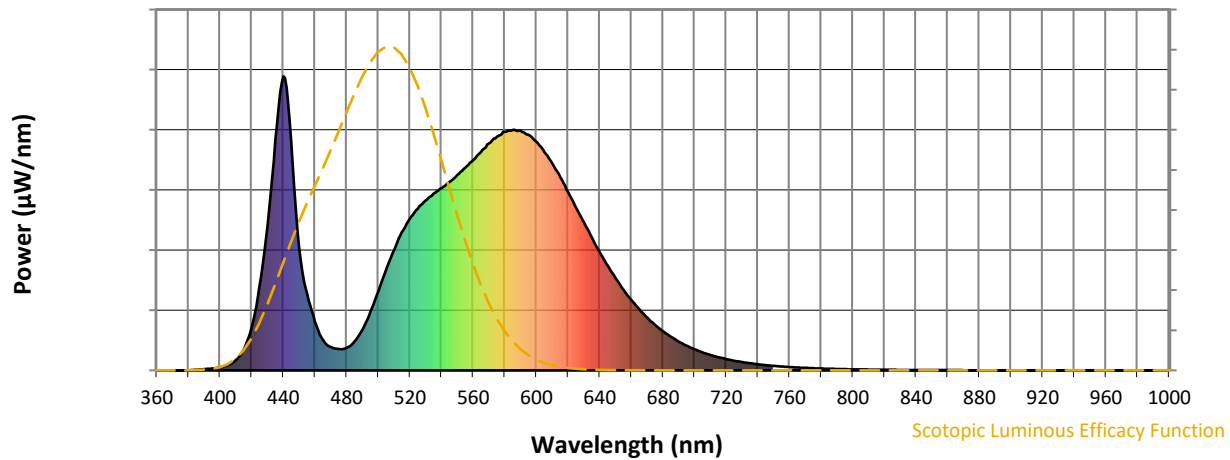


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



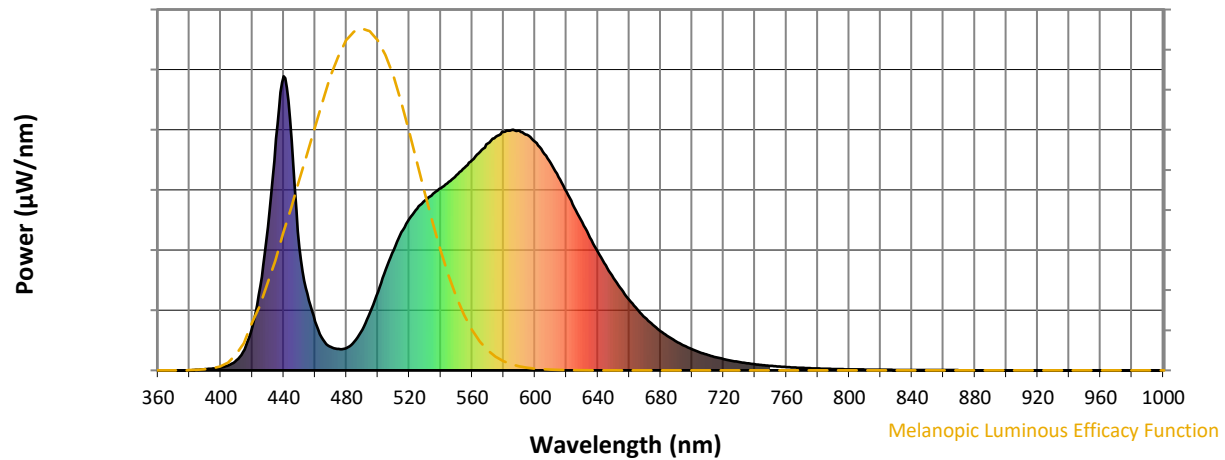
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

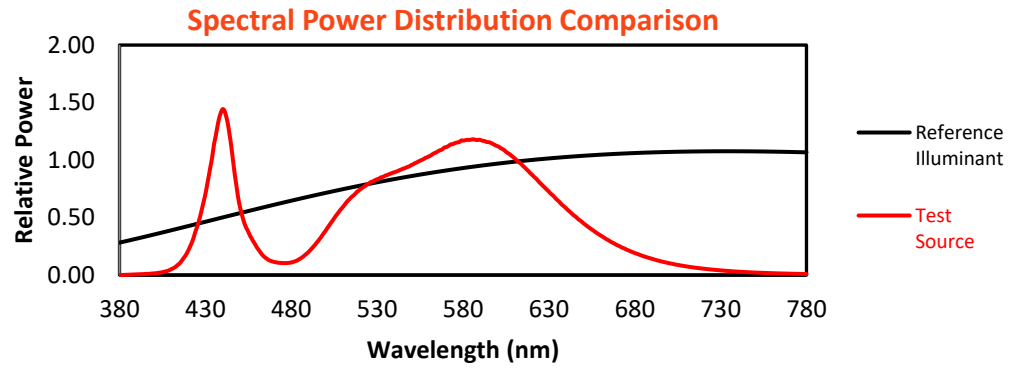
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

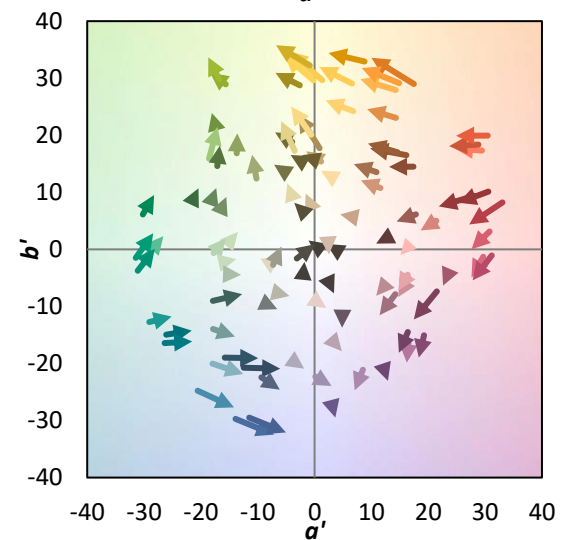
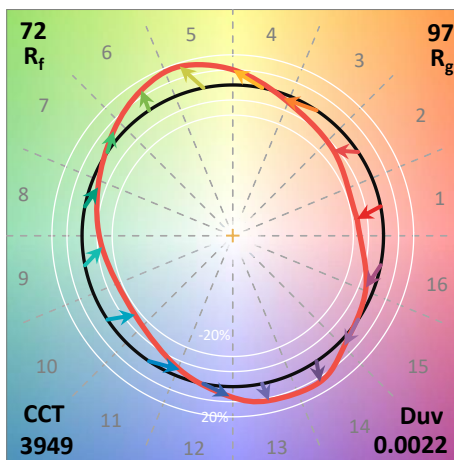
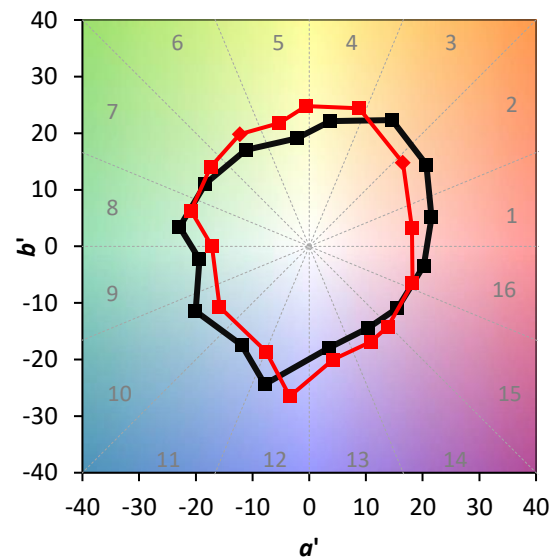
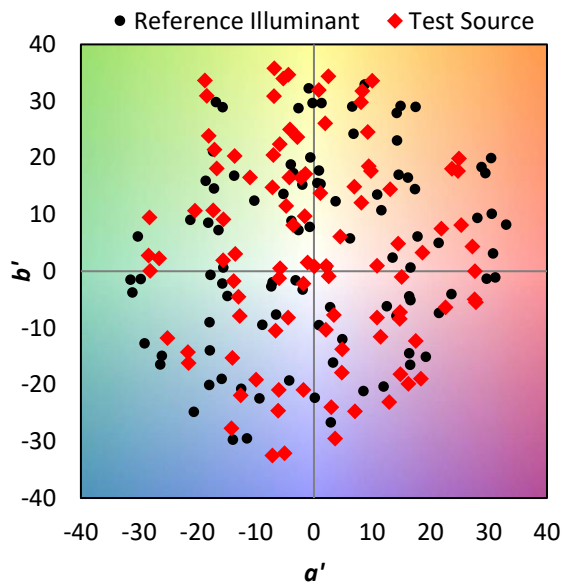
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

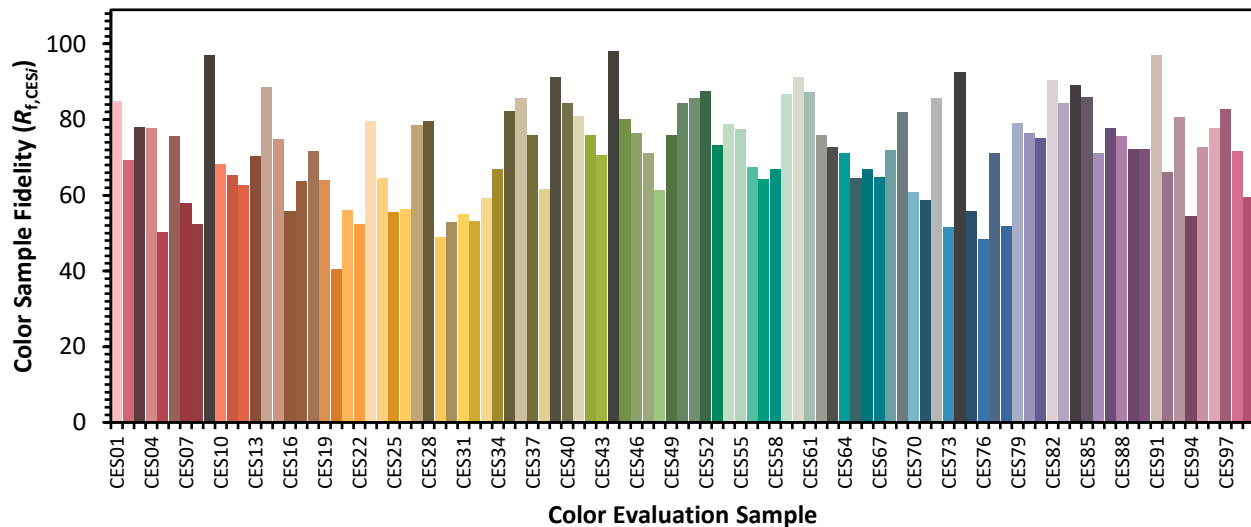


Color Vector Graphics

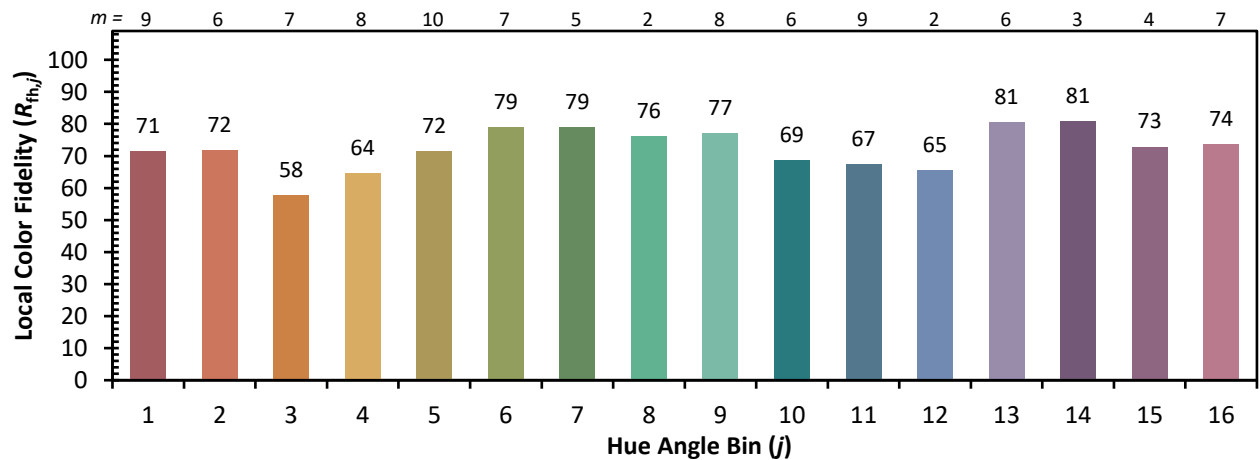
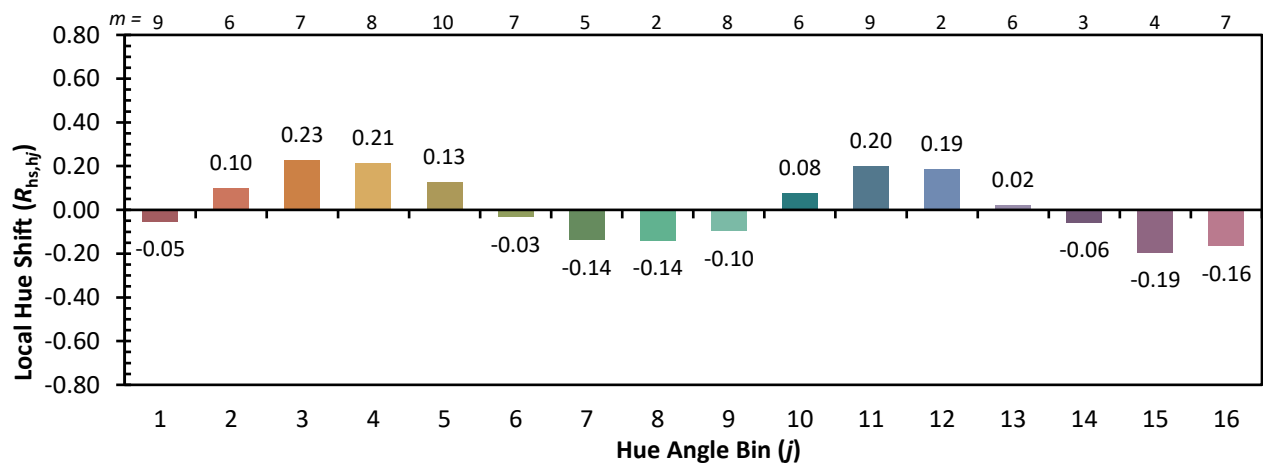
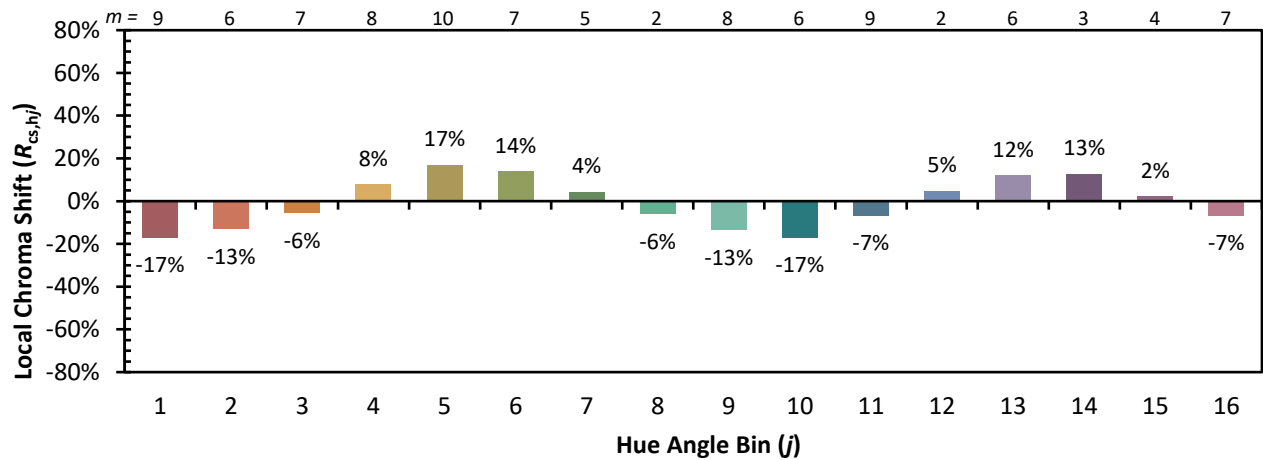


Individual Sample Fidelity Index ($R_{f,i}$)

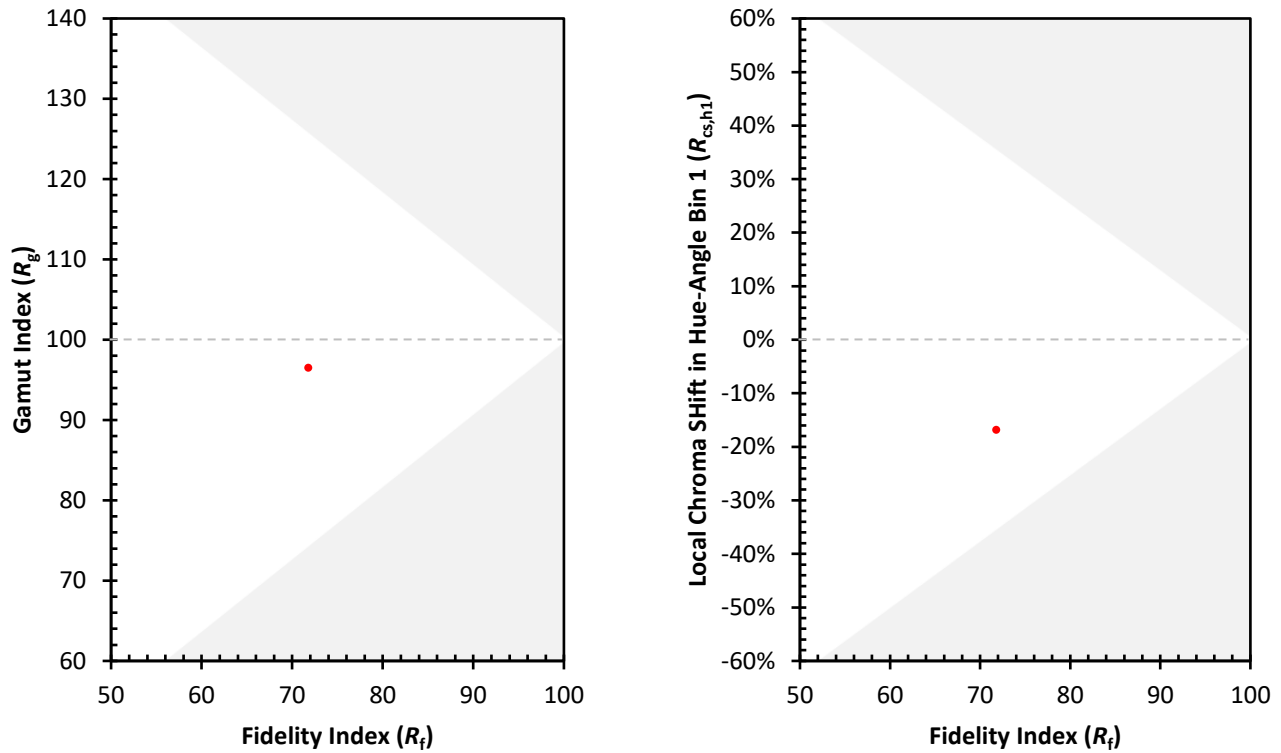
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)