

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: LUMARK

Report Number: P1067437

Luminaire Tested: **NAV-SA1A-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067437
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3080.4 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

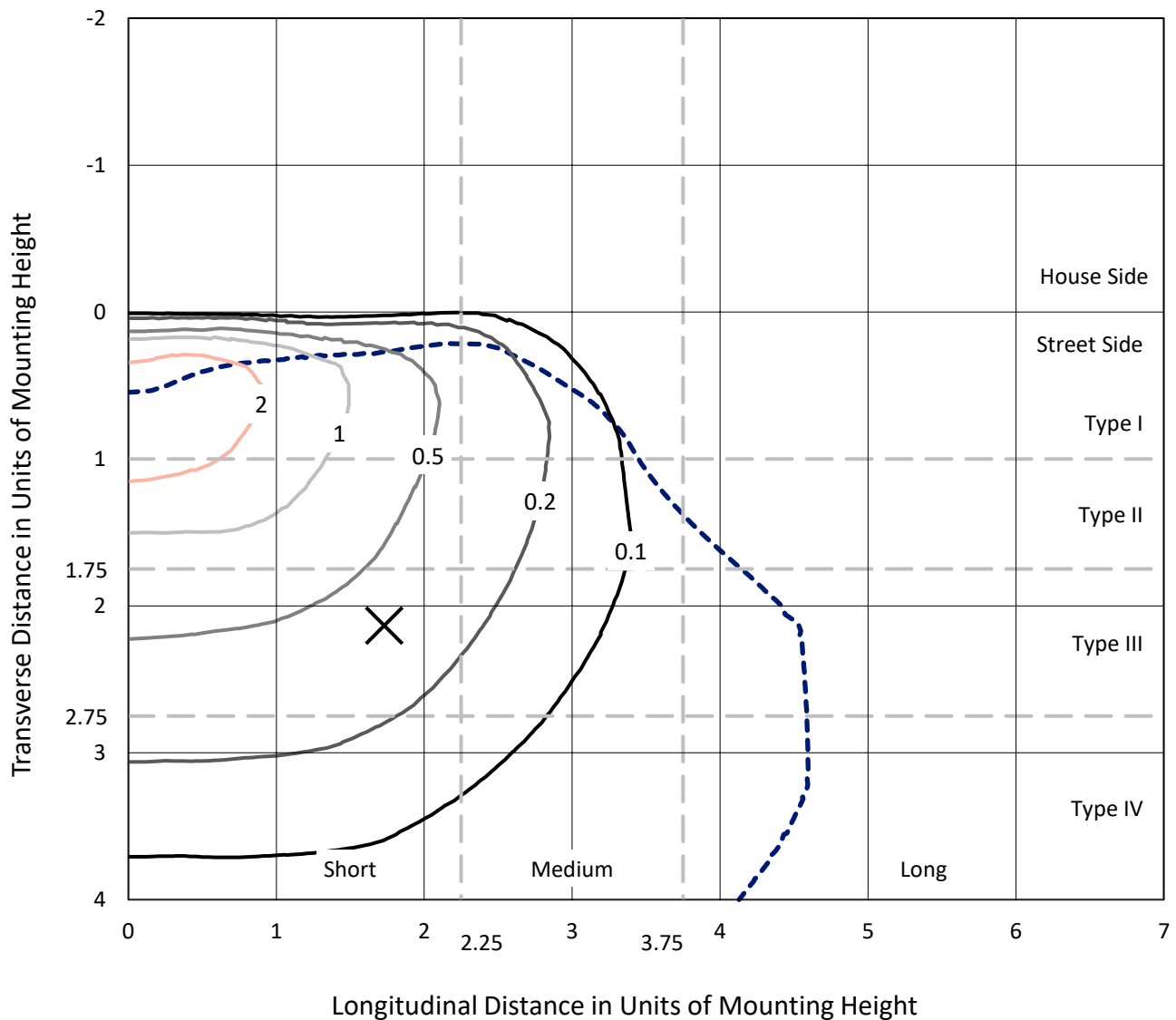


REPORT NUMBER: P1067437

CATALOG NUMBER: NAV-SA1A-727-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

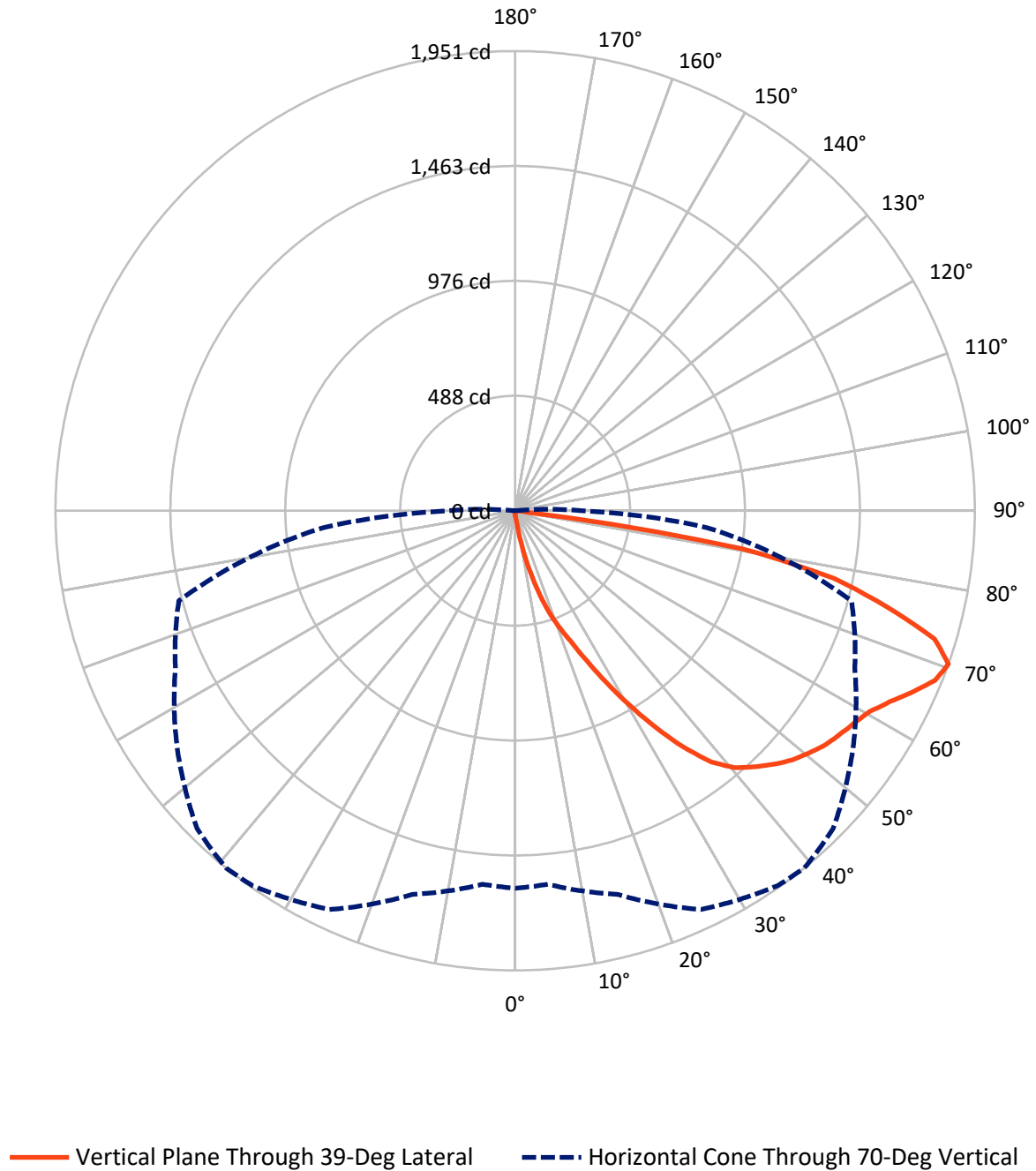


Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067437

CATALOG NUMBER: NAV-SA1A-727-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067437

CATALOG NUMBER: NAV-SA1A-727-U-T4BC

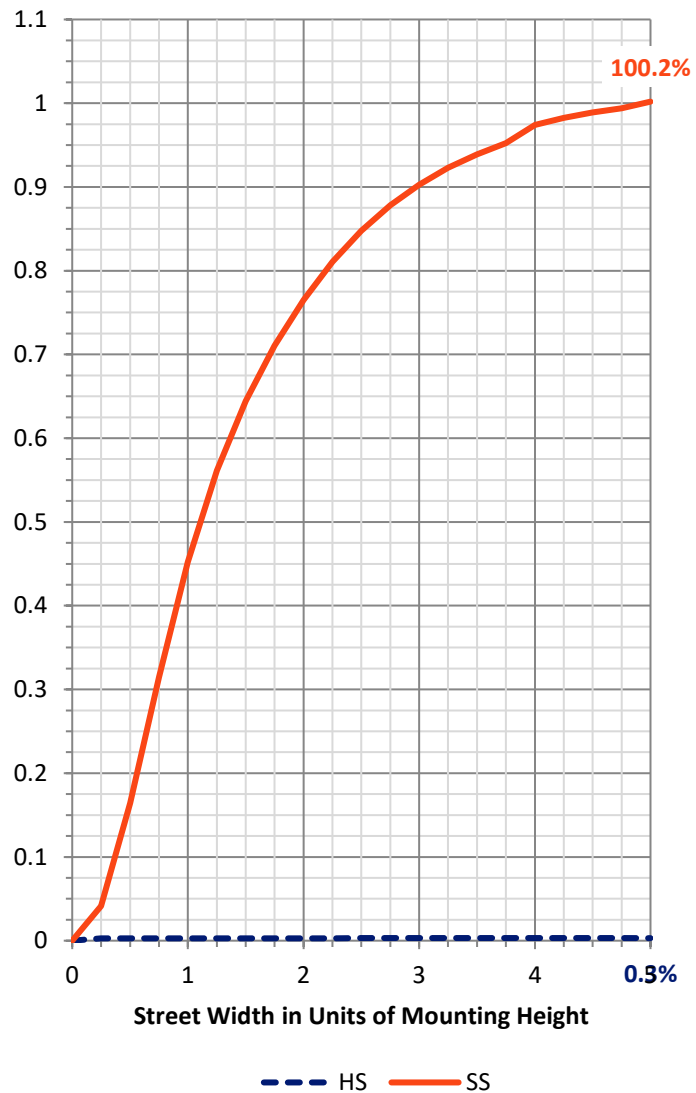
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9.5	0.0	9.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3070.9	0.0	3070.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	3080.4	0.0	3080.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	37.9	1.2
20°-30°	128.5	4.2
30°-40°	302.0	9.8
40°-50°	490.4	15.9
50°-60°	621.5	20.2
60°-70°	789.4	25.6
70°-80°	641.4	20.8
80°-90°	66.0	2.1
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°	3080.4	100.0
0°-180°	3080.4	100.0



REPORT NUMBER: P1067437

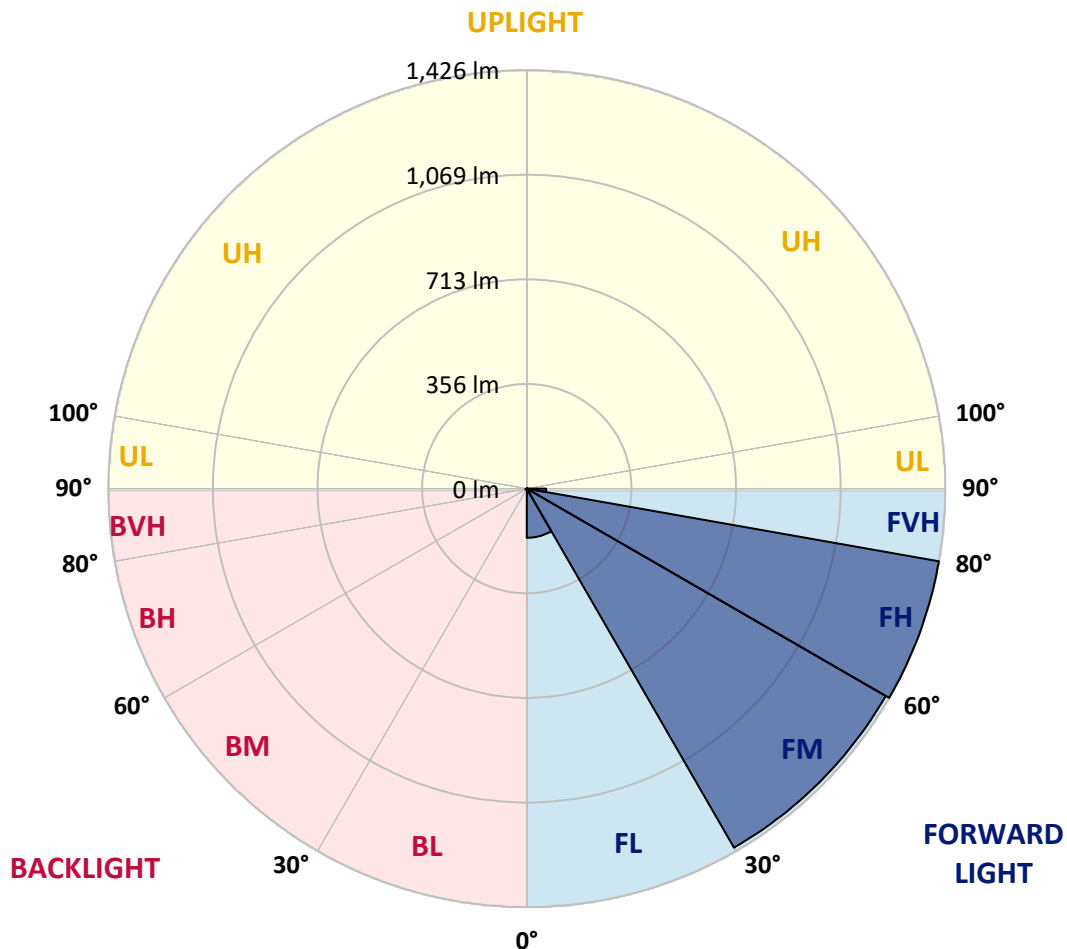
CATALOG NUMBER: NAV-SA1A-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.6	5.4			
FM	(30°-60°)	1412.1	45.8			
FH	(60°-80°)	1425.6	46.3			G1/1800
FVH	(80°-90°)	65.7	2.1			G1/100
BL	(0°-30°)	2.1	0.1	B0/110		
BM	(30°-60°)	1.8	0.1	B0/220		
BH	(60°-80°)	5.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type IV Short



REPORT NUMBER: P1067437

CATALOG NUMBER: NAV-SA1A-727-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
2.5°	21.7	21.7	21.7	20.9	20.9	20.1	20.1	19.2	18.4	18.4	17.6
5°	41.0	41.8	39.3	34.3	30.9	29.3	27.6	23.4	20.9	19.2	17.6
7.5°	112.1	108.7	103.7	87.0	66.9	56.9	48.5	34.3	25.1	20.1	17.6
10°	235.8	226.6	212.4	189.8	150.5	134.6	104.5	62.7	35.1	22.6	17.6
12.5°	346.2	347.9	330.3	308.6	260.9	234.2	193.2	117.9	55.2	26.8	17.6
15°	429.9	428.2	421.5	403.9	361.3	335.4	298.6	198.2	92.8	33.5	18.4
17.5°	495.9	489.2	486.7	479.2	451.6	437.4	397.3	291.9	147.2	45.2	19.2
20°	562.0	560.3	557.8	549.5	531.1	521.0	490.1	386.4	219.1	64.4	20.9
22.5°	658.2	649.0	650.7	632.3	617.2	599.6	574.6	486.7	301.9	92.0	23.4
25°	771.1	770.3	756.9	748.5	723.4	704.2	670.7	583.8	393.9	133.0	25.9
27.5°	904.1	894.9	889.0	874.8	848.9	827.1	781.1	679.9	493.4	179.0	29.3
30°	1042.9	1042.9	1032.0	1010.3	985.2	958.4	911.6	781.1	592.1	237.5	33.5
32.5°	1205.1	1208.5	1181.7	1149.1	1116.5	1098.1	1037.0	895.7	686.6	304.4	38.5
35°	1362.4	1358.2	1313.9	1277.9	1253.6	1233.6	1181.7	1021.2	793.7	382.2	45.2
37.5°	1512.9	1502.0	1428.4	1377.4	1366.6	1353.2	1301.3	1146.6	899.9	468.3	53.5
40°	1620.8	1604.1	1528.0	1457.7	1441.8	1434.3	1394.2	1260.3	1012.0	564.5	64.4
42.5°	1667.6	1648.4	1595.7	1538.8	1503.7	1486.1	1451.0	1353.2	1124.0	671.6	80.3
45°	1676.8	1661.8	1624.1	1610.8	1563.1	1536.3	1488.7	1419.2	1228.6	777.8	102.0
47.5°	1643.4	1636.7	1614.1	1642.5	1618.3	1581.5	1523.8	1468.6	1321.4	906.6	132.1
50°	1561.4	1556.4	1567.3	1641.7	1658.4	1616.6	1562.3	1507.1	1401.7	1039.5	174.8
52.5°	1451.0	1450.2	1501.2	1620.0	1676.0	1650.1	1599.9	1545.5	1465.2	1168.3	235.0
55°	1330.6	1344.8	1434.3	1599.9	1686.0	1674.3	1636.7	1579.8	1522.1	1287.9	332.0
57.5°	1320.6	1314.7	1400.8	1591.5	1691.9	1698.6	1673.5	1615.8	1570.6	1385.8	461.7
60°	1420.9	1407.5	1440.1	1609.1	1717.8	1729.5	1710.3	1643.4	1619.1	1462.7	632.3
62.5°	1537.2	1524.6	1541.3	1676.8	1768.8	1785.6	1761.3	1671.8	1658.4	1516.3	815.4
65°	1630.0	1620.0	1651.7	1778.0	1839.9	1854.1	1837.4	1724.5	1676.0	1559.7	964.3
67.5°	1645.0	1632.5	1698.6	1845.8	1911.8	1921.9	1908.5	1775.5	1670.1	1563.1	998.6
70°	1602.4	1591.5	1686.0	1867.5	1942.8	1951.1	1908.5	1751.3	1590.7	1477.8	816.3
72.5°	1471.1	1479.5	1601.6	1814.8	1900.1	1861.7	1771.3	1629.2	1487.8	1252.8	572.9
75°	1267.0	1276.2	1438.5	1670.1	1676.8	1630.0	1581.5	1498.7	1331.4	825.5	397.3
77.5°	900.7	868.1	1110.6	1379.1	1354.8	1385.0	1389.1	1247.0	1114.8	429.9	266.0
80°	88.7	75.3	139.7	395.6	874.0	976.8	1017.0	960.9	822.1	192.4	139.7
82.5°	19.2	19.2	20.9	22.6	35.1	52.7	241.7	592.1	531.1	97.8	45.2
85°	10.9	10.9	13.4	15.9	20.9	23.4	27.6	36.8	143.0	35.1	8.4
87.5°	8.4	9.2	10.9	13.4	17.6	19.2	23.4	29.3	36.0	32.6	2.5
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: P1067437

CATALOG NUMBER: NAV-SA1A-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
2.5°	17.6	16.7	15.9	15.1	14.2	14.2	13.4	13.4	13.4	13.4	13.4
5°	16.7	15.9	15.1	13.4	12.5	11.7	10.9	10.9	10.9	10.9	10.9
7.5°	16.7	15.9	14.2	12.5	10.9	10.0	9.2	8.4	8.4	9.2	9.2
10°	16.7	15.1	12.5	10.9	9.2	8.4	7.5	6.7	6.7	6.7	6.7
12.5°	15.9	14.2	11.7	10.0	8.4	6.7	5.0	4.2	4.2	4.2	4.2
15°	15.1	13.4	10.9	8.4	5.9	4.2	3.3	2.5	2.5	2.5	2.5
17.5°	15.1	12.5	10.0	7.5	4.2	2.5	1.7	0.8	0.8	0.8	1.7
20°	15.1	12.5	9.2	5.9	2.5	1.7	1.7	0.8	0.0	0.8	0.8
22.5°	15.1	11.7	7.5	4.2	2.5	1.7	0.8	0.0	0.0	0.0	0.0
25°	15.9	11.7	6.7	3.3	1.7	0.8	0.0	0.0	0.0	0.0	0.0
27.5°	15.9	10.9	5.9	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
30°	16.7	10.9	5.0	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	16.7	10.0	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	16.7	9.2	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	16.7	8.4	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	17.6	7.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	18.4	6.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	19.2	5.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	21.7	5.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	25.1	5.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	30.1	5.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	39.3	5.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	56.9	5.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	95.3	5.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	167.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	282.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	368.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	280.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	133.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	59.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	25.9	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	10.0	1.7	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	4.2	1.7	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
85°	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

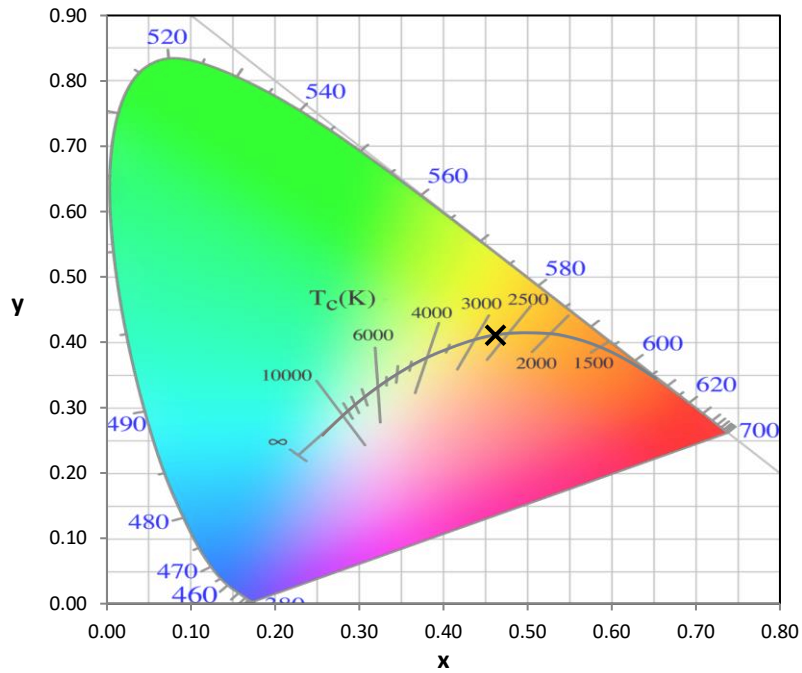
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

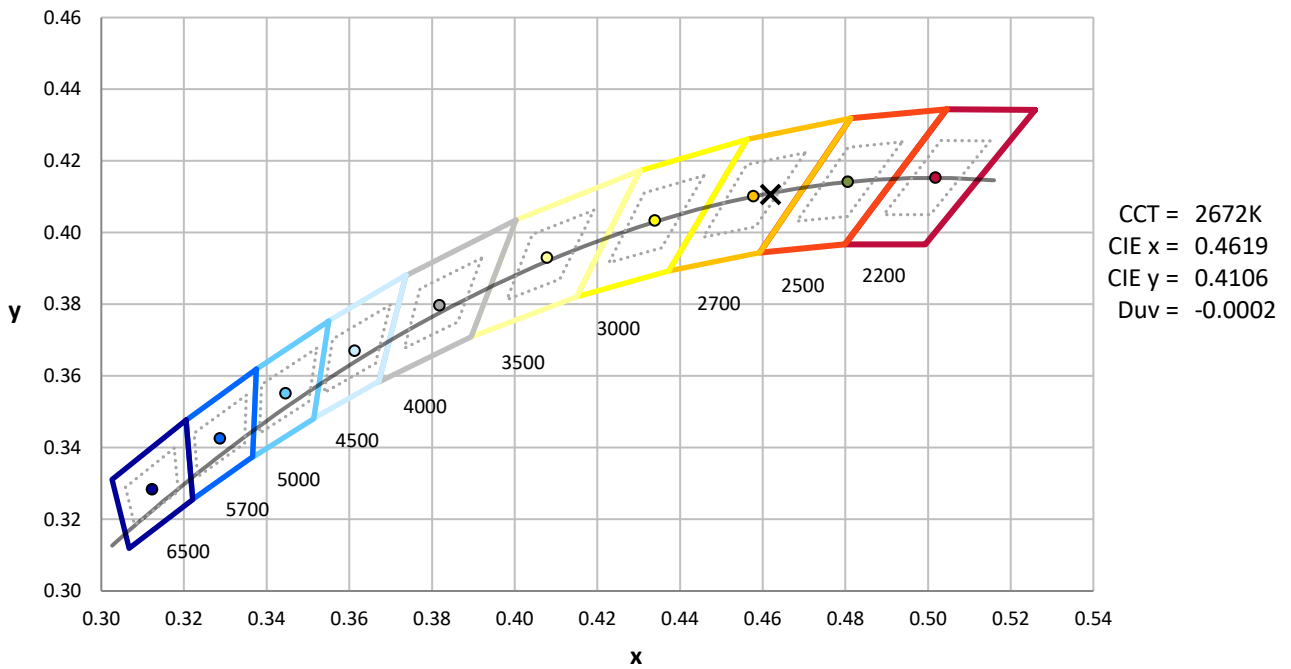
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

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

REPORT NUMBER: SP1-2407-184-3

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

TM-30-18

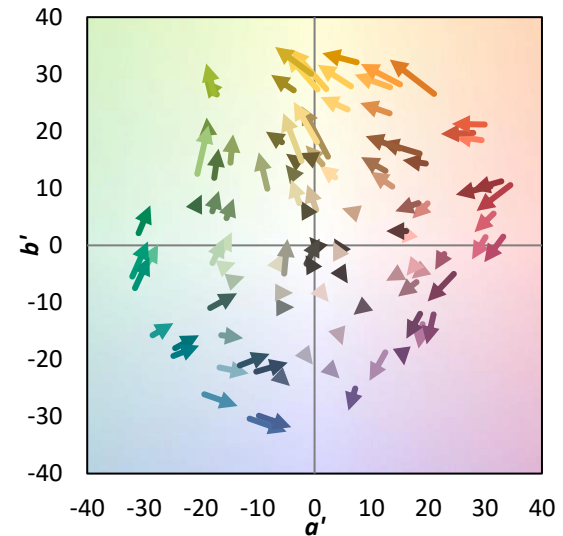
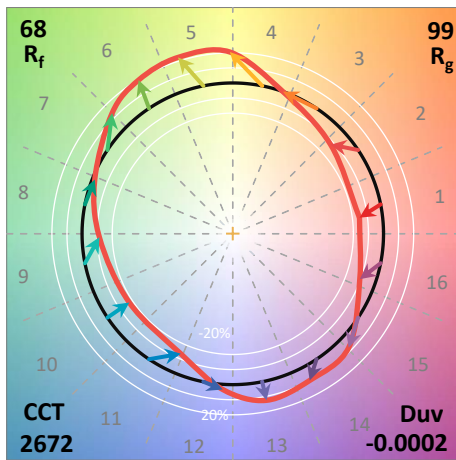
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



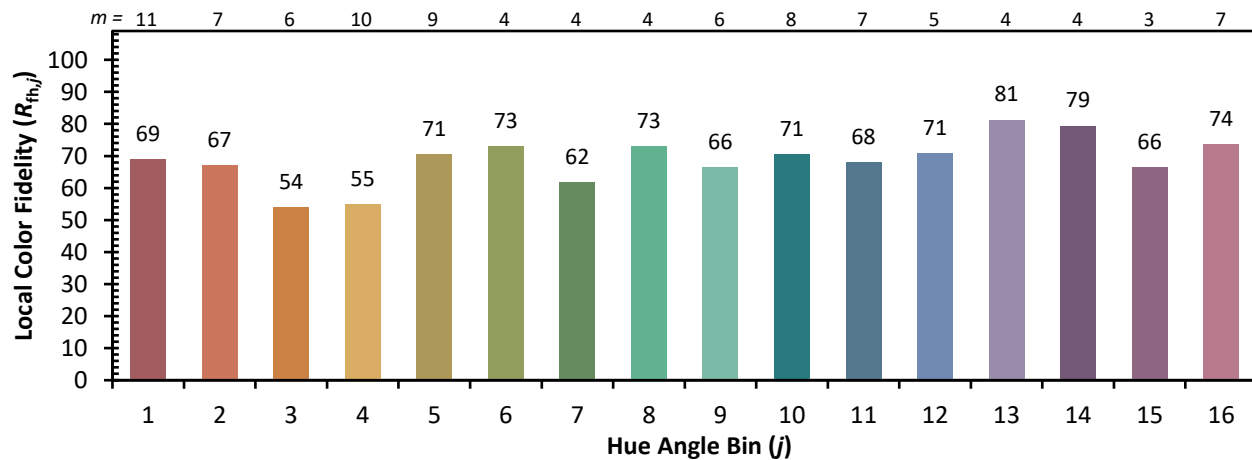
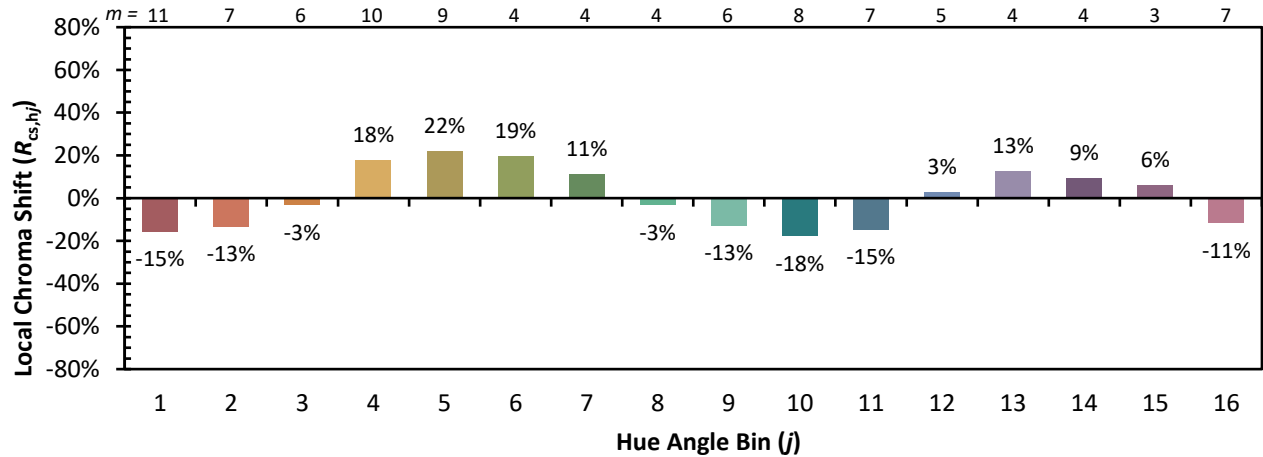
Color Vector Graphics



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

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)