

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: P1067389

Luminaire Tested: **NAV-SA1A-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067389
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3684.7 lumens
Efficiency: N/A
Efficacy: 126.2 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

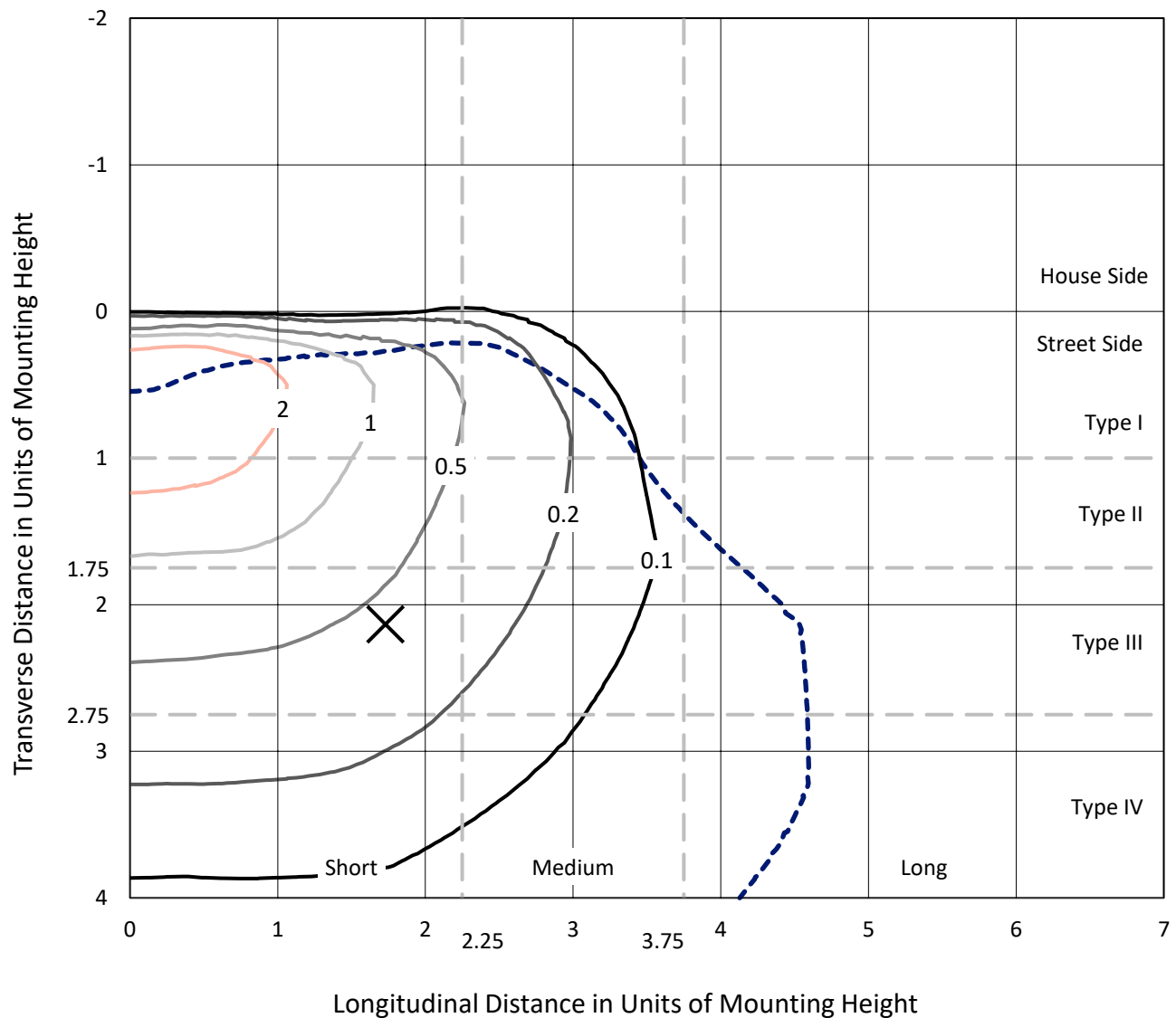


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

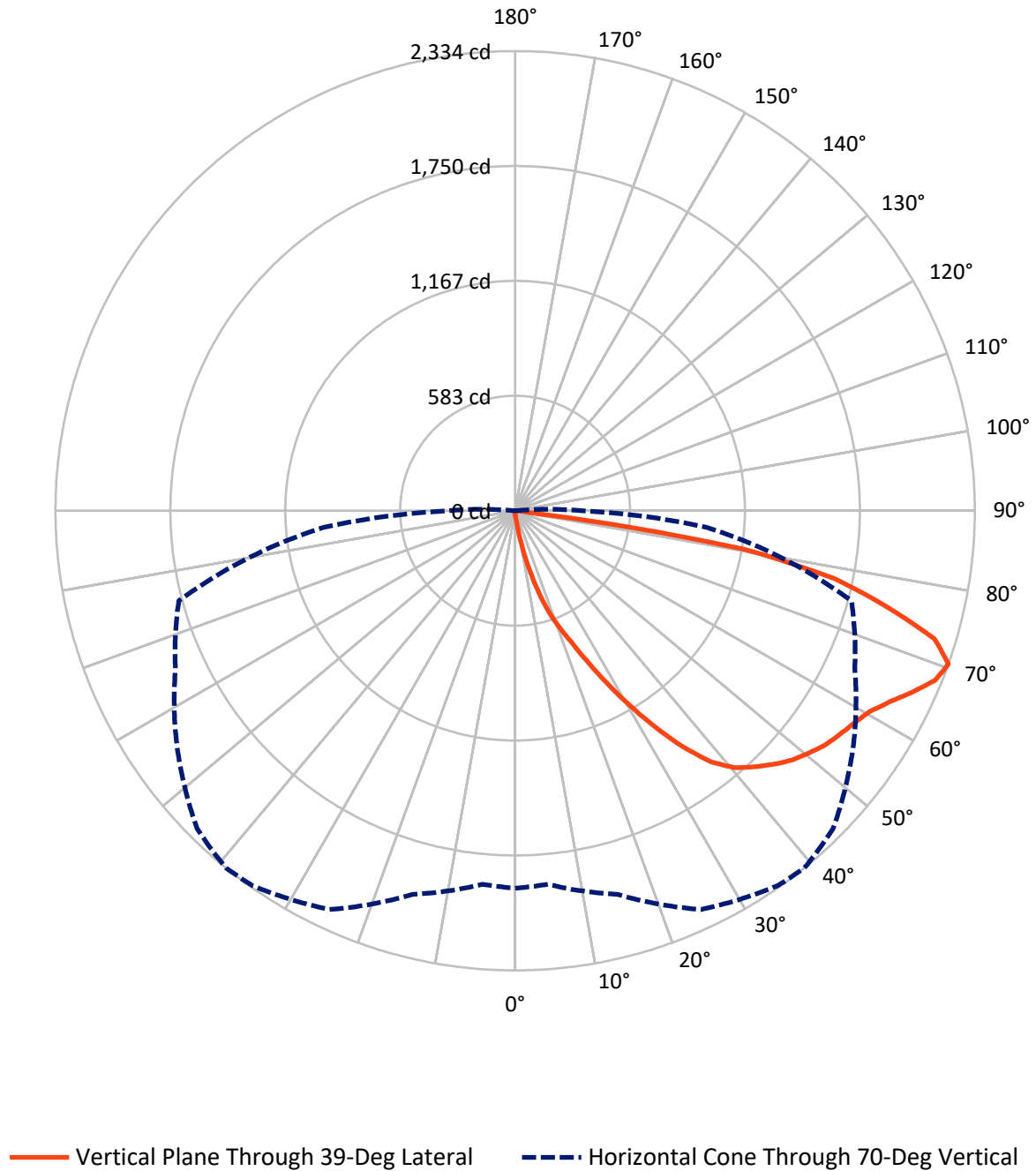


Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11.3	0.0	11.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3673.4	0.0	3673.4
	% Fixture	99.7	0.0	99.7
Total	Lumens	3684.7	0.0	3684.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	45.3	1.2
20°-30°	153.7	4.2
30°-40°	361.3	9.8
40°-50°	586.6	15.9
50°-60°	743.4	20.2
60°-70°	944.3	25.6
70°-80°	767.2	20.8
80°-90°	79.0	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°	3684.7	100.0
0°-180°	3684.7	100.0



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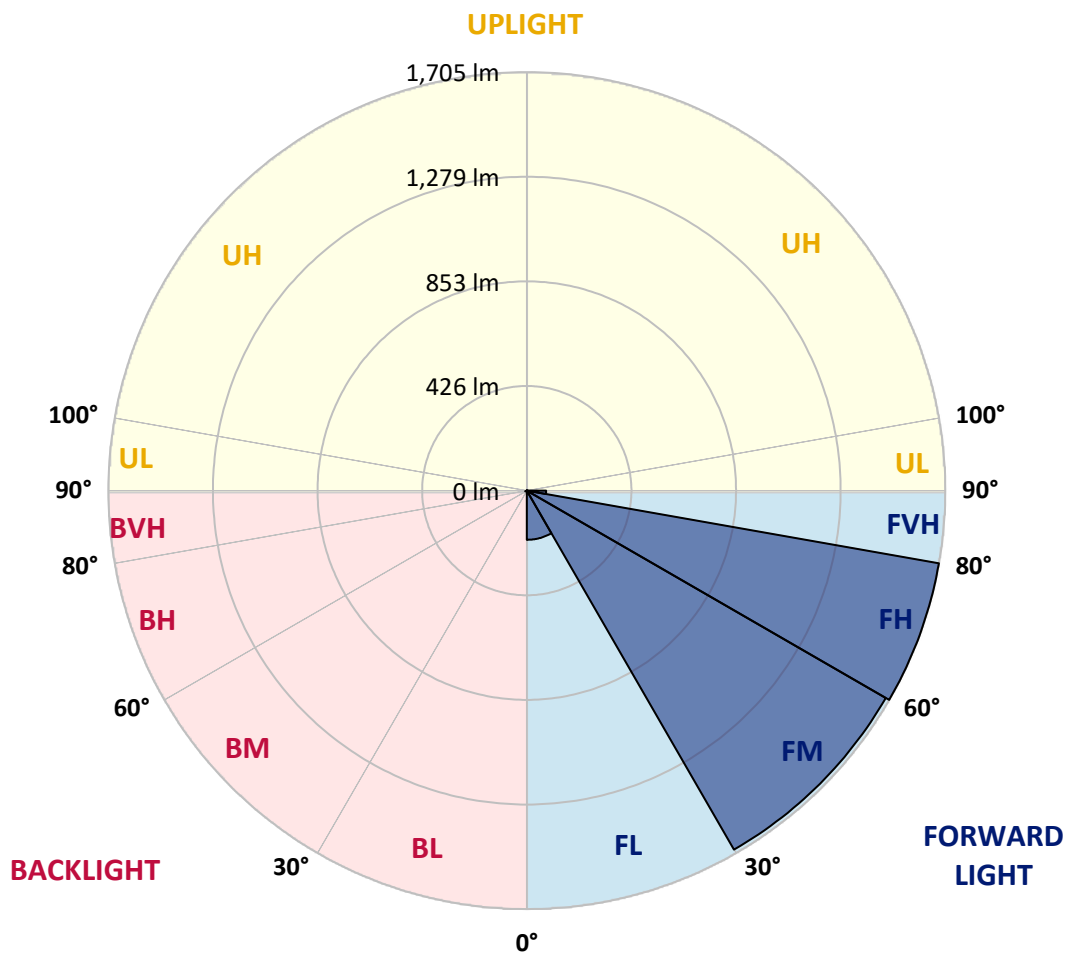
CATALOG NUMBER: NAV-SA1A-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.4	5.4			
FM	(30°-60°)	1689.1	45.8			
FH	(60°-80°)	1705.3	46.3			G1/1800
FVH	(80°-90°)	78.5	2.1			G1/100
BL	(0°-30°)	2.5	0.1	B0/110		
BM	(30°-60°)	2.2	0.1	B0/220		
BH	(60°-80°)	6.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	26.0	26.0	26.0	25.0	25.0	24.0	24.0	23.0	22.0	22.0	21.0
5°	49.0	50.0	47.0	41.0	37.0	35.0	33.0	28.0	25.0	23.0	21.0
7.5°	134.1	130.1	124.0	104.0	80.0	68.0	58.0	41.0	30.0	24.0	21.0
10°	282.1	271.1	254.1	227.1	180.1	161.1	125.0	75.0	42.0	27.0	21.0
12.5°	414.2	416.2	395.2	369.1	312.1	280.1	231.1	141.1	66.0	32.0	21.0
15°	514.2	512.2	504.2	483.2	432.2	401.2	357.1	237.1	111.0	40.0	22.0
17.5°	593.2	585.2	582.2	573.2	540.2	523.2	475.2	349.1	176.1	54.0	23.0
20°	672.3	670.3	667.3	657.3	635.2	623.2	586.2	462.2	262.1	77.0	25.0
22.5°	787.3	776.3	778.3	756.3	738.3	717.3	687.3	582.2	361.1	110.0	28.0
25°	922.4	921.4	905.3	895.3	865.3	842.3	802.3	698.3	471.2	159.1	31.0
27.5°	1081.4	1070.4	1063.4	1046.4	1015.4	989.4	934.4	813.3	590.2	214.1	35.0
30°	1247.5	1247.5	1234.5	1208.5	1178.5	1146.4	1090.4	934.4	708.3	284.1	40.0
32.5°	1441.6	1445.6	1413.5	1374.5	1335.5	1313.5	1240.5	1071.4	821.3	364.1	46.0
35°	1629.6	1624.6	1571.6	1528.6	1499.6	1475.6	1413.5	1221.5	949.4	457.2	54.0
37.5°	1809.7	1796.7	1708.7	1647.6	1634.6	1618.6	1556.6	1371.5	1076.4	560.2	64.0
40°	1938.7	1918.7	1827.7	1743.7	1724.7	1715.7	1667.6	1507.6	1210.5	675.3	77.0
42.5°	1994.8	1971.8	1908.7	1840.7	1798.7	1777.7	1735.7	1618.6	1344.5	803.3	96.0
45°	2005.8	1987.8	1942.8	1926.7	1869.7	1837.7	1780.7	1697.7	1469.6	930.4	122.0
47.5°	1965.8	1957.8	1930.7	1964.8	1935.7	1891.7	1822.7	1756.7	1580.6	1084.4	158.1
50°	1867.7	1861.7	1874.7	1963.8	1983.8	1933.7	1868.7	1802.7	1676.6	1243.5	209.1
52.5°	1735.7	1734.7	1795.7	1937.7	2004.8	1973.8	1913.7	1848.7	1752.7	1397.5	281.1
55°	1591.6	1608.6	1715.7	1913.7	2016.8	2002.8	1957.8	1889.7	1820.7	1540.6	397.2
57.5°	1579.6	1572.6	1675.6	1903.7	2023.8	2031.8	2001.8	1932.7	1878.7	1657.6	552.2
60°	1699.7	1683.7	1722.7	1924.7	2054.8	2068.8	2045.8	1965.8	1936.7	1749.7	756.3
62.5°	1838.7	1823.7	1843.7	2005.8	2115.8	2135.8	2106.8	1999.8	1983.8	1813.7	975.4
65°	1949.8	1937.7	1975.8	2126.8	2200.9	2217.9	2197.8	2062.8	2004.8	1865.7	1153.4
67.5°	1967.8	1952.8	2031.8	2207.9	2286.9	2298.9	2282.9	2123.8	1997.8	1869.7	1194.5
70°	1916.7	1903.7	2016.8	2233.9	2323.9	2333.9	2282.9	2094.8	1902.7	1767.7	976.4
72.5°	1759.7	1769.7	1915.7	2170.8	2272.9	2226.9	2118.8	1948.8	1779.7	1498.6	685.3
75°	1515.6	1526.6	1720.7	1997.8	2005.8	1949.8	1891.7	1792.7	1592.6	987.4	475.2
77.5°	1077.4	1038.4	1328.5	1649.6	1620.6	1656.6	1661.6	1491.6	1333.5	514.2	318.1
80°	106.0	90.0	167.1	473.2	1045.4	1168.5	1216.5	1149.4	983.4	230.1	167.1
82.5°	23.0	23.0	25.0	27.0	42.0	63.0	289.1	708.3	635.2	117.0	54.0
85°	13.0	13.0	16.0	19.0	25.0	28.0	33.0	44.0	171.1	42.0	10.0
87.5°	10.0	11.0	13.0	16.0	21.0	23.0	28.0	35.0	43.0	39.0	3.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	21.0	20.0	19.0	18.0	17.0	17.0	16.0	16.0	16.0	16.0	16.0
5°	20.0	19.0	18.0	16.0	15.0	14.0	13.0	13.0	13.0	13.0	13.0
7.5°	20.0	19.0	17.0	15.0	13.0	12.0	11.0	10.0	10.0	11.0	11.0
10°	20.0	18.0	15.0	13.0	11.0	10.0	9.0	8.0	8.0	8.0	8.0
12.5°	19.0	17.0	14.0	12.0	10.0	8.0	6.0	5.0	5.0	5.0	5.0
15°	18.0	16.0	13.0	10.0	7.0	5.0	4.0	3.0	3.0	3.0	3.0
17.5°	18.0	15.0	12.0	9.0	5.0	3.0	2.0	1.0	1.0	1.0	2.0
20°	18.0	15.0	11.0	7.0	3.0	2.0	2.0	1.0	0.0	1.0	1.0
22.5°	18.0	14.0	9.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0
25°	19.0	14.0	8.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
27.5°	19.0	13.0	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	20.0	13.0	6.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	20.0	12.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	20.0	11.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	20.0	10.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	21.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	22.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	23.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	26.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	30.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	36.0	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	47.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	68.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	114.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	200.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	338.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	441.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	335.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	160.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	71.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	31.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	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: SP1-2407-184-1

Test Date: 10/09/2024

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

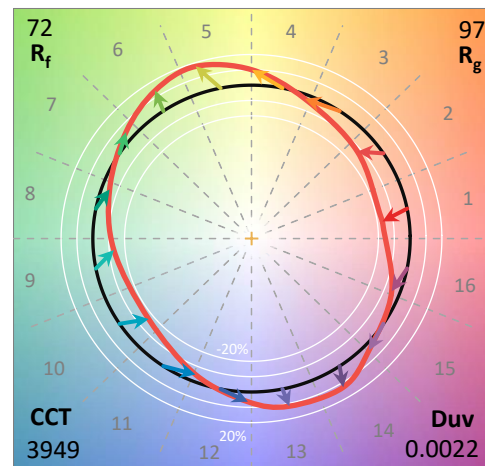
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

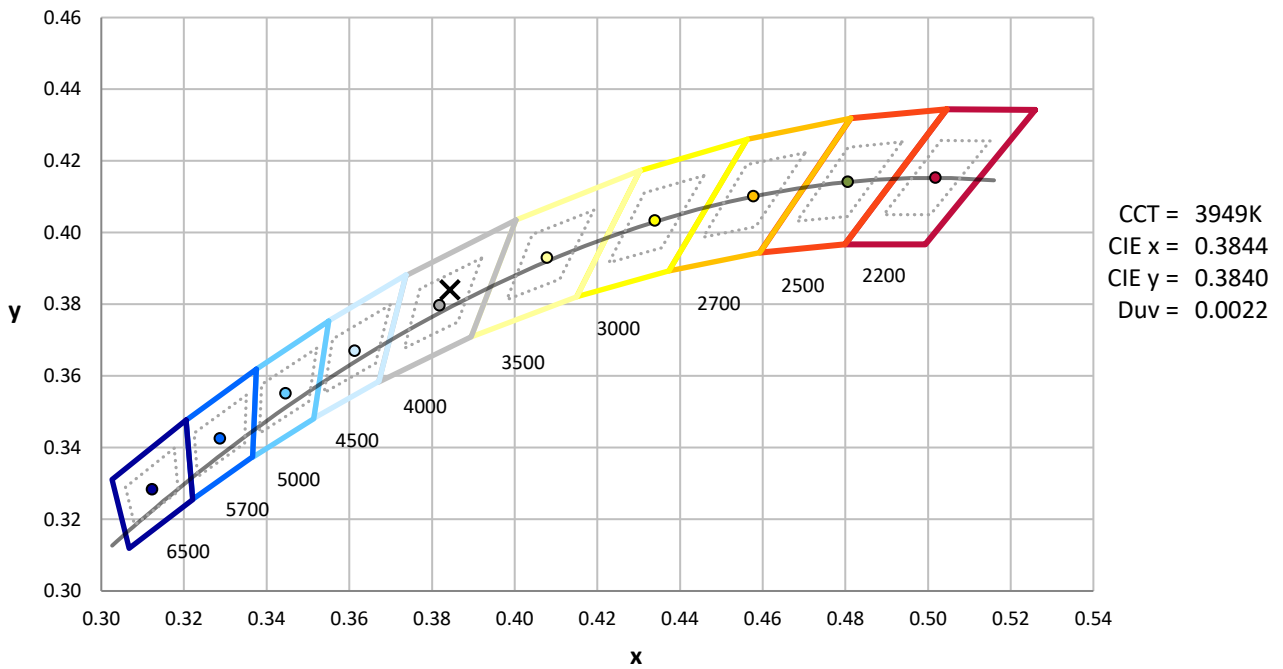
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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 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	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			

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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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

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	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

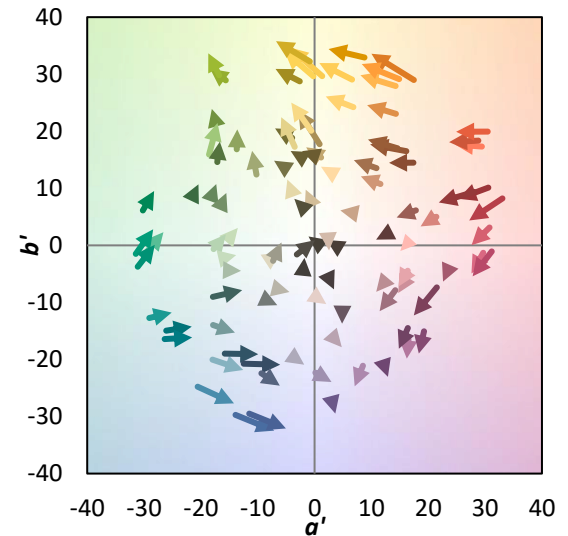
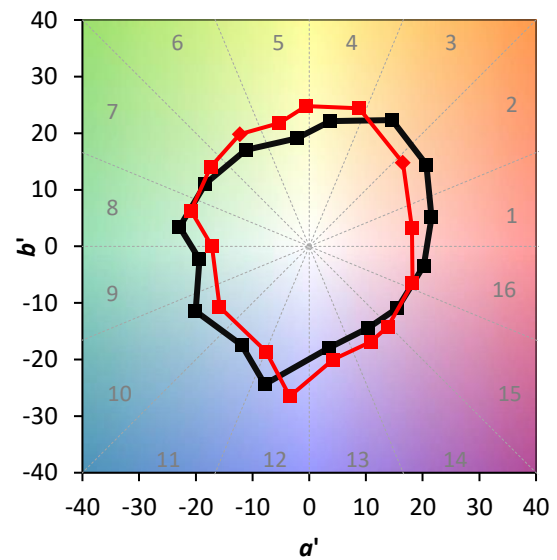
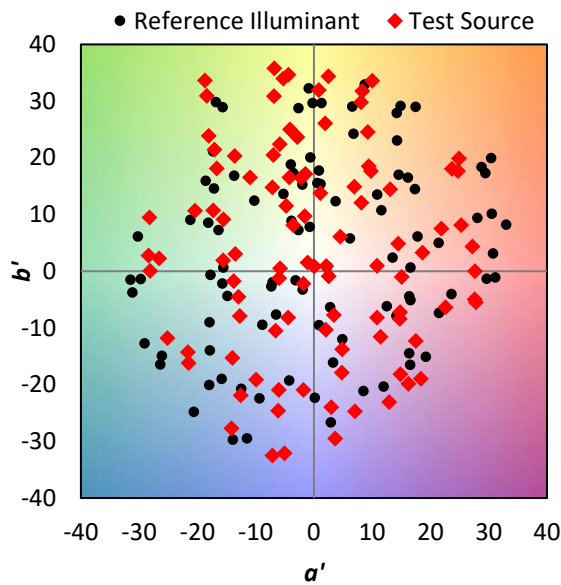
TM-30-18

Summary

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



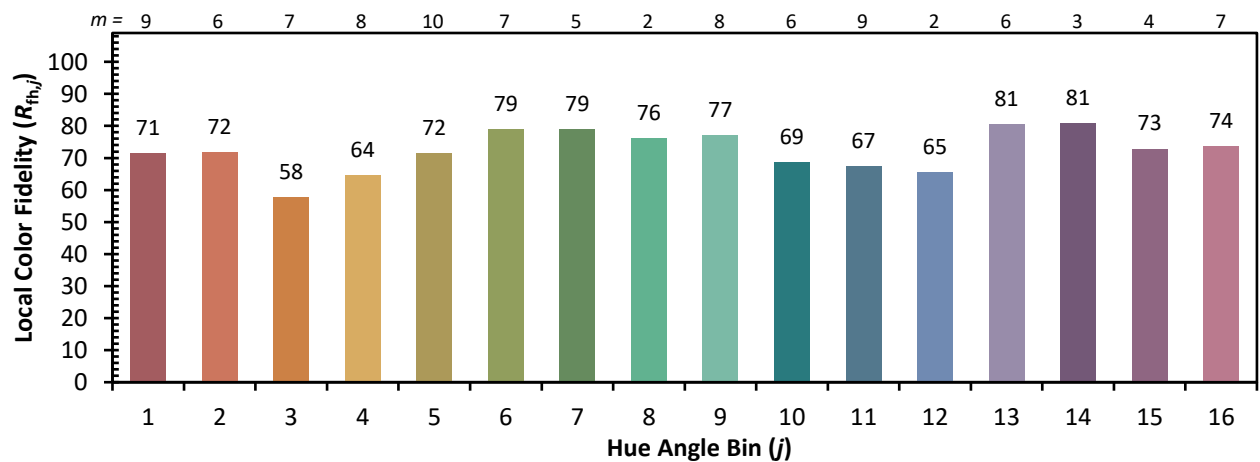
Color Vector Graphics



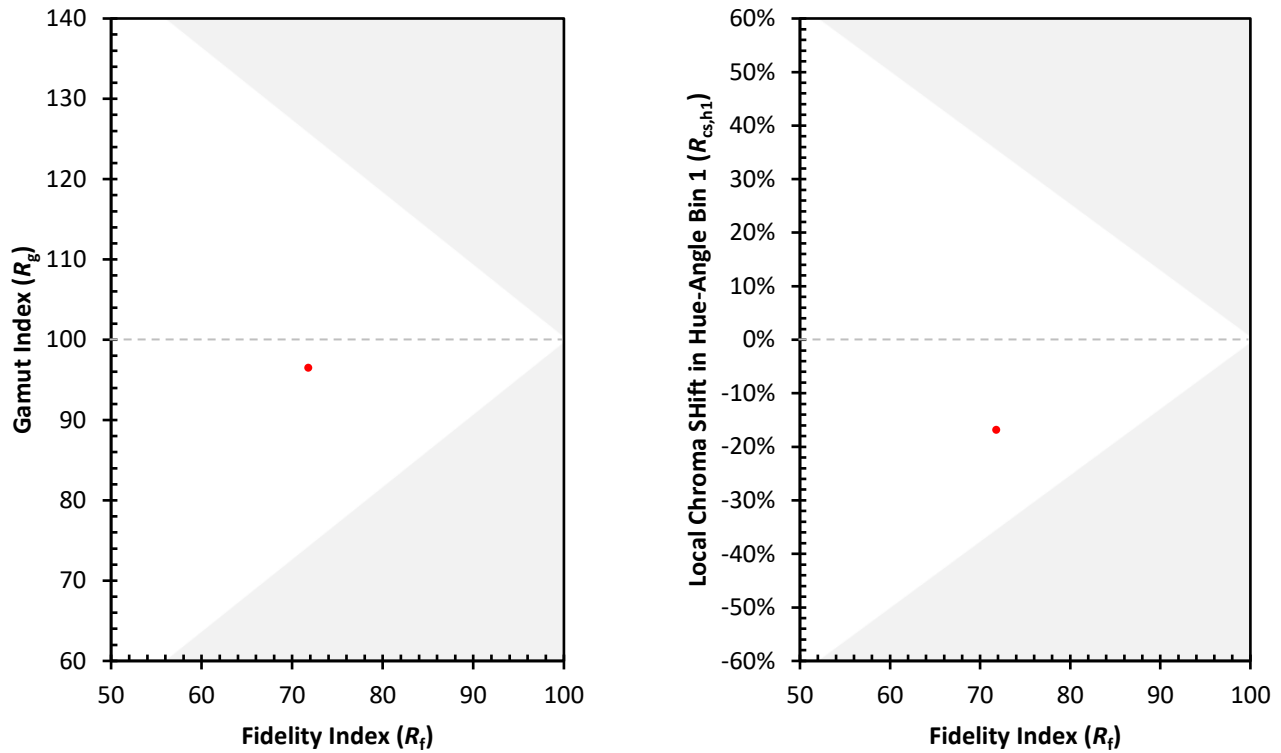
Individual Sample Fidelity Index ($R_{f,i}$)

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)