

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1459115

Luminaire Tested: GLAN-SB4A-930-U-T4LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1459115  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-930-U-T4LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 350mA 4xLight Square PACKAGE 90CRI 3000K FIXTURE w/ TYPE IV LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (104) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

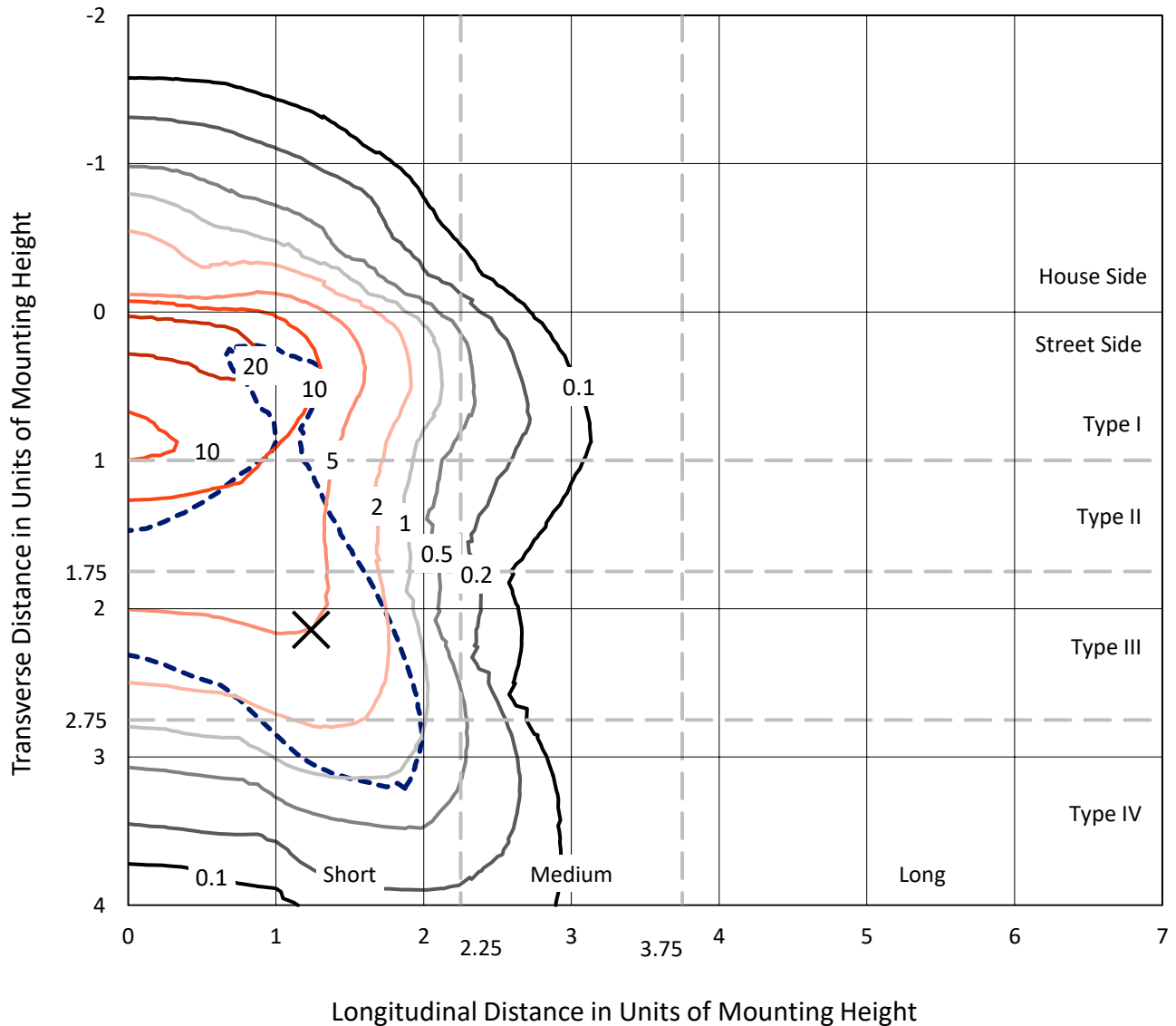
Lumens per Lamp: N/A  
Luminaire Lumens: 9075.2 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 114  
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

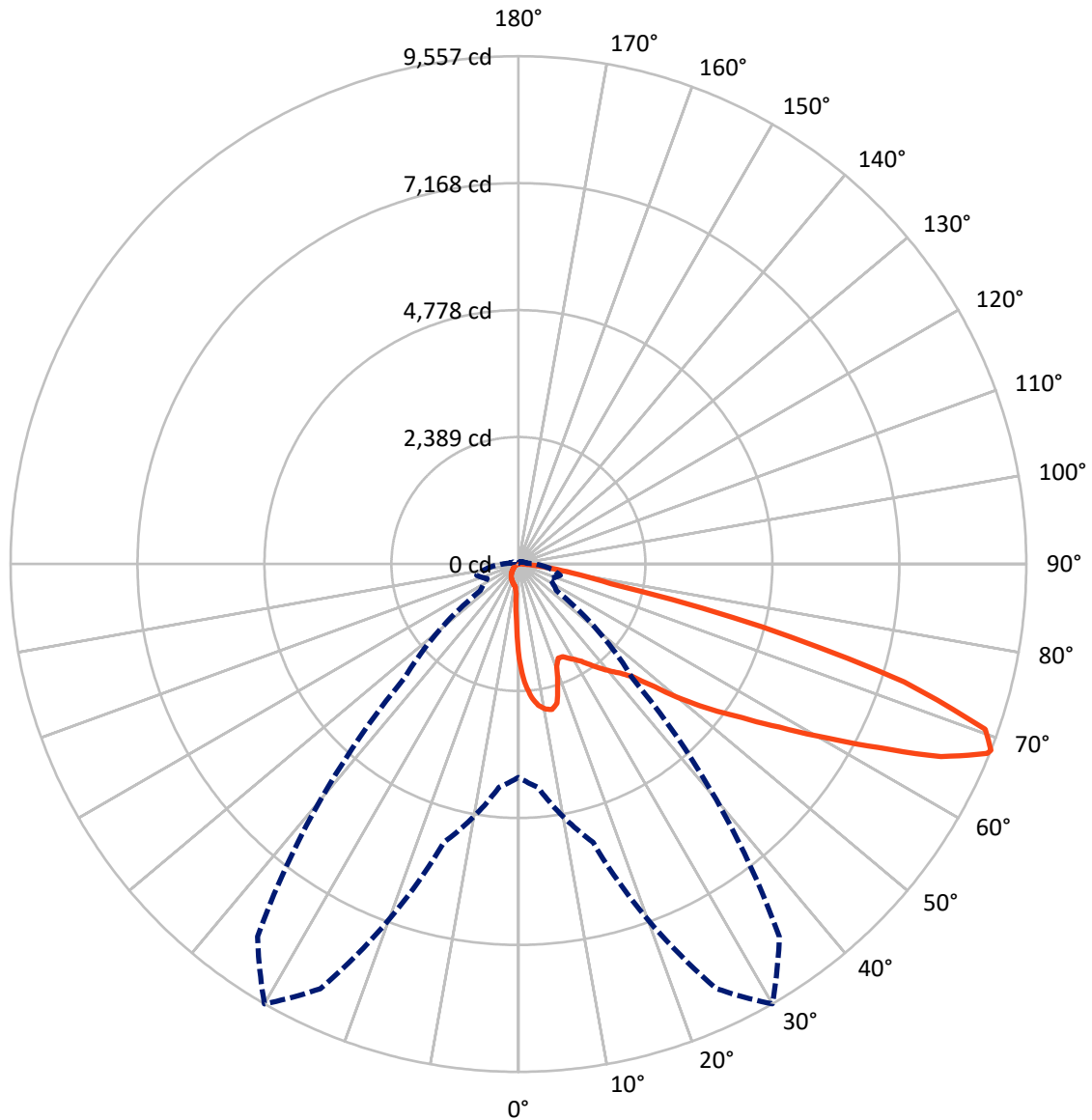
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 30-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	692.7	0.0	692.7
	% Fixture	7.6	0.0	7.6
<b>Street Side</b>	Lumens	8382.5	0.0	8382.5
	% Fixture	92.4	0.0	92.4
<b>Total</b>	Lumens	9075.2	0.0	9075.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.4	1.7
10°-20°	440.8	4.9
20°-30°	692.8	7.6
30°-40°	1086.6	12.0
40°-50°	1624.1	17.9
50°-60°	2160.6	23.8
60°-70°	2088.6	23.0
70°-80°	750.8	8.3
80°-90°	76.6	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°	9075.2	100.0
0°-180°	9075.2	100.0

**Coefficient of Utilization**



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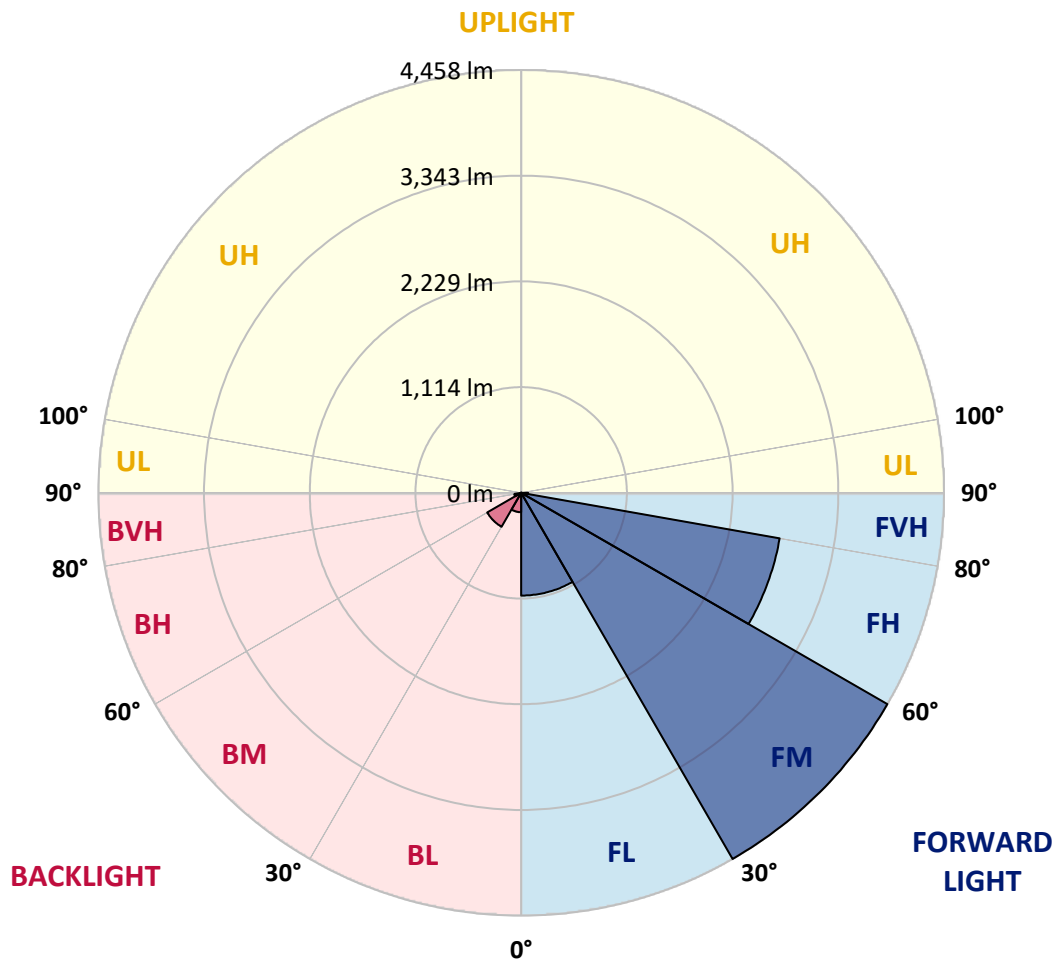
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1083.6	11.9			
FM	(30°-60°)	4457.7	49.1			
FH	(60°-80°)	2767.3	30.5			G2/5000
FVH	(80°-90°)	73.9	0.8			G1/100
BL	(0°-30°)	204.5	2.3	B1/500		
BM	(30°-60°)	413.5	4.6	B1/1000		
BH	(60°-80°)	72.0	0.8	B0/110		G0/110
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	30°	35°	45°	55°	65°	75°	85°
0°	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5
2.5°	2287.2	2287.2	2270.9	2249.1	2224.7	2216.5	2170.3	2105.0	2037.0	1958.1	1843.9
5°	2580.9	2578.2	2545.6	2545.6	2512.9	2483.0	2436.8	2341.6	2232.8	2091.4	1892.9
7.5°	2711.5	2716.9	2703.3	2703.3	2684.3	2662.5	2635.3	2542.9	2415.0	2224.7	1941.8
10°	2757.7	2760.4	2760.4	2779.5	2774.0	2771.3	2768.6	2716.9	2583.7	2360.6	1993.5
12.5°	2646.2	2659.8	2697.9	2782.2	2809.4	2839.3	2880.1	2863.8	2771.3	2532.0	2072.4
15°	2287.2	2289.9	2396.0	2605.4	2716.9	2831.1	2988.9	3021.5	2961.7	2716.9	2154.0
17.5°	1887.4	1895.6	1979.9	2213.8	2393.3	2657.1	3051.4	3184.7	3162.9	2899.1	2230.1
20°	1721.5	1732.4	1773.2	1920.1	2056.0	2300.8	2988.9	3339.7	3347.9	3081.3	2300.8
22.5°	1683.5	1691.6	1724.2	1838.5	1922.8	2086.0	2776.7	3462.1	3557.3	3290.8	2385.1
25°	1672.6	1680.7	1729.7	1854.8	1933.7	2069.6	2583.7	3527.4	3804.8	3508.3	2466.7
27.5°	1664.4	1675.3	1754.2	1914.6	2007.1	2137.6	2548.3	3541.0	4041.4	3739.5	2600.0
30°	1675.3	1691.6	1795.0	1977.2	2083.2	2230.1	2632.6	3554.6	4302.5	4003.3	2768.6
32.5°	1718.8	1732.4	1857.5	2061.5	2183.9	2349.8	2776.7	3636.2	4550.0	4272.5	2929.0
35°	1767.8	1786.8	1936.4	2181.1	2328.0	2515.7	2972.6	3796.6	4786.6	4528.2	3094.9
37.5°	1827.6	1849.4	2028.8	2317.1	2485.7	2697.9	3184.7	4019.6	4996.0	4737.6	3260.8
40°	1909.2	1933.7	2134.9	2461.3	2643.5	2855.6	3394.1	4239.9	5156.4	4862.7	3369.6
42.5°	2230.1	2262.7	2347.0	2602.7	2806.7	3024.2	3600.8	4449.3	5216.3	4903.5	3391.4
45°	2828.4	2861.1	2839.3	2888.3	3024.2	3228.2	3826.5	4650.6	5224.4	4892.6	3380.5
47.5°	3429.5	3467.5	3448.5	3421.3	3451.2	3549.1	4079.5	4778.4	5180.9	4887.2	3380.5
50°	4003.3	3981.5	3984.3	3976.1	4003.3	4055.0	4324.2	4802.9	5170.0	4938.9	3410.4
52.5°	4310.6	4321.5	4389.5	4490.1	4550.0	4601.6	4604.3	4841.0	5091.2	4851.8	3375.1
55°	4612.5	4634.3	4792.0	4963.3	5096.6	5194.5	4884.5	4816.5	4620.7	4560.8	3190.1
57.5°	4952.5	4982.4	5205.4	5558.9	5792.8	5844.5	5161.9	4359.6	3910.8	4144.7	2831.1
60°	5420.2	5455.6	5752.0	6282.4	6630.5	6524.4	5183.6	3633.4	3105.8	3440.3	2336.2
62.5°	5787.4	5858.1	6393.9	7220.6	7604.1	7266.9	4778.4	2784.9	2170.3	2417.8	1705.2
65°	5395.8	5531.7	6404.7	8294.9	8738.2	8139.9	4142.0	1901.0	1223.8	1563.8	1090.6
67.5°	4362.3	4552.7	5686.8	8817.1	9516.0	8599.5	3260.8	1009.0	701.7	908.4	573.8
68°	4014.2	4220.9	5423.0	8817.1	9556.8	8558.7	3027.0	873.0	647.3	815.9	497.7
70°	2774.0	2920.9	4169.2	8322.1	9317.5	7802.6	1993.5	500.4	486.8	560.2	329.1
72.5°	1359.8	1517.6	2230.1	6595.1	7590.5	5996.8	908.4	331.8	369.9	410.7	258.4
75°	541.2	573.8	878.4	3252.7	4743.0	3826.5	475.9	250.2	318.2	320.9	204.0
77.5°	310.0	329.1	486.8	1196.6	1778.6	1710.7	307.3	179.5	252.9	231.2	133.3
80°	174.1	176.8	274.7	631.0	1017.1	911.1	209.4	130.5	193.1	163.2	89.7
82.5°	87.0	97.9	174.1	348.1	565.7	579.3	111.5	92.5	155.0	116.9	73.4
85°	62.6	68.0	125.1	193.1	261.1	391.6	68.0	46.2	116.9	78.9	51.7
87.5°	32.6	40.8	78.9	95.2	106.1	133.3	32.6	21.8	65.3	46.2	27.2
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°	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5	1789.5
2.5°	1789.5	1727.0	1599.1	1449.6	1332.6	1213.0	1115.1	1022.6	979.1	973.6	984.5
5°	1781.4	1645.4	1354.4	1068.8	834.9	671.8	582.0	535.8	511.3	500.4	503.1
7.5°	1765.0	1558.4	1093.3	723.4	541.2	470.5	448.7	440.6	437.9	437.9	437.9
10°	1748.7	1441.4	837.6	530.3	443.3	424.3	418.8	418.8	416.1	416.1	418.8
12.5°	1740.6	1332.6	650.0	443.3	413.4	405.2	399.8	397.1	397.1	397.1	399.8
15°	1721.5	1213.0	524.9	410.7	394.3	383.5	380.7	378.0	378.0	378.0	378.0
17.5°	1705.2	1096.0	456.9	388.9	375.3	364.4	361.7	359.0	359.0	361.7	361.7
20°	1680.7	984.5	410.7	367.2	356.3	345.4	342.7	340.0	342.7	342.7	342.7
22.5°	1650.8	892.0	383.5	350.8	337.2	326.4	326.4	326.4	326.4	326.4	329.1
25°	1631.8	826.8	364.4	331.8	318.2	310.0	307.3	307.3	312.8	312.8	315.5
27.5°	1661.7	810.5	367.2	326.4	301.9	293.7	291.0	291.0	296.4	299.2	301.9
30°	1751.4	840.4	399.8	342.7	291.0	277.4	274.7	274.7	282.8	285.6	288.3
32.5°	1854.8	902.9	448.7	364.4	282.8	261.1	255.6	255.6	263.8	266.5	269.2
35°	1996.2	1000.8	514.0	383.5	288.3	244.8	233.9	233.9	239.3	244.8	247.5
37.5°	2178.4	1161.3	590.2	397.1	288.3	225.7	212.1	209.4	214.9	214.9	217.6
40°	2368.8	1370.7	669.0	397.1	274.7	206.7	193.1	184.9	187.7	184.9	187.7
42.5°	2474.9	1539.3	737.0	372.6	258.4	187.7	174.1	163.2	160.5	155.0	157.7
45°	2534.7	1615.5	718.0	345.4	242.0	174.1	157.7	144.1	138.7	130.5	130.5
47.5°	2534.7	1623.6	614.6	323.6	225.7	163.2	141.4	127.8	119.7	111.5	114.2
50°	2504.8	1550.2	486.8	301.9	206.7	152.3	127.8	116.9	106.1	100.6	100.6
52.5°	2379.7	1310.9	372.6	274.7	184.9	138.7	114.2	103.3	92.5	89.7	89.7
55°	2164.8	962.8	301.9	247.5	165.9	127.8	103.3	95.2	84.3	78.9	78.9
57.5°	1759.6	658.2	250.2	223.0	146.9	114.2	92.5	84.3	70.7	65.3	65.3
60°	1305.4	429.7	212.1	195.8	125.1	103.3	81.6	70.7	59.8	54.4	51.7
62.5°	881.2	291.0	176.8	155.0	106.1	89.7	70.7	59.8	46.2	35.4	35.4
65°	549.4	225.7	146.9	122.4	92.5	78.9	59.8	46.2	32.6	24.5	21.8
67.5°	315.5	182.2	119.7	95.2	78.9	62.6	46.2	38.1	27.2	19.0	16.3
68°	291.0	174.1	111.5	89.7	73.4	59.8	43.5	35.4	24.5	16.3	16.3
70°	236.6	155.0	95.2	73.4	62.6	49.0	38.1	29.9	19.0	10.9	10.9
72.5°	209.4	130.5	81.6	57.1	43.5	40.8	29.9	21.8	13.6	8.2	5.4
75°	171.3	103.3	65.3	43.5	29.9	29.9	21.8	13.6	5.4	0.0	0.0
77.5°	111.5	76.1	51.7	27.2	16.3	19.0	13.6	5.4	0.0	0.0	0.0
80°	73.4	57.1	35.4	13.6	8.2	8.2	2.7	0.0	0.0	0.0	0.0
82.5°	51.7	38.1	21.8	5.4	2.7	2.7	0.0	0.0	0.0	0.0	0.0
85°	32.6	16.3	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.6	5.4	2.7	0.0	0.0	0.0	0.0	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

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-14  
 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-930-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 3000K CCT 26 LEDS

**Spectral Parameters**

CCT (K): 2993  
 CIE u': 0.2501  
 CIE v': 0.5245  
 Duv: 0.0021  
 CIE x: 0.4406  
 CIE y: 0.4107  
 CIE z: 0.1487  
 Peak Wavelength (nm): 621  
 Dominant Wavelength (nm): 582  
 Purity: 55.53327  
 Rf: 92.6  
 Rg: 98.5

CRI (Ra):	92.4		
R1:	92.2	R9:	58.2
R2:	95.2	R10:	87.7
R3:	97.0	R11:	93.5
R4:	93.1	R12:	81.7
R5:	91.7	R13:	92.9
R6:	94.2	R14:	97.6
R7:	93.3	R15:	88.1
R8:	82.3		



**Test Conditions**

Stabilization Time: 20M  
 Operation Time: 1H 20M  
 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 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.39**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.69**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

**Summary**

$R_f = 92.6$   
 $R_g = 98.5$   
 CIE  $R_a = 92.4$   
 $R_9 = 58.2$

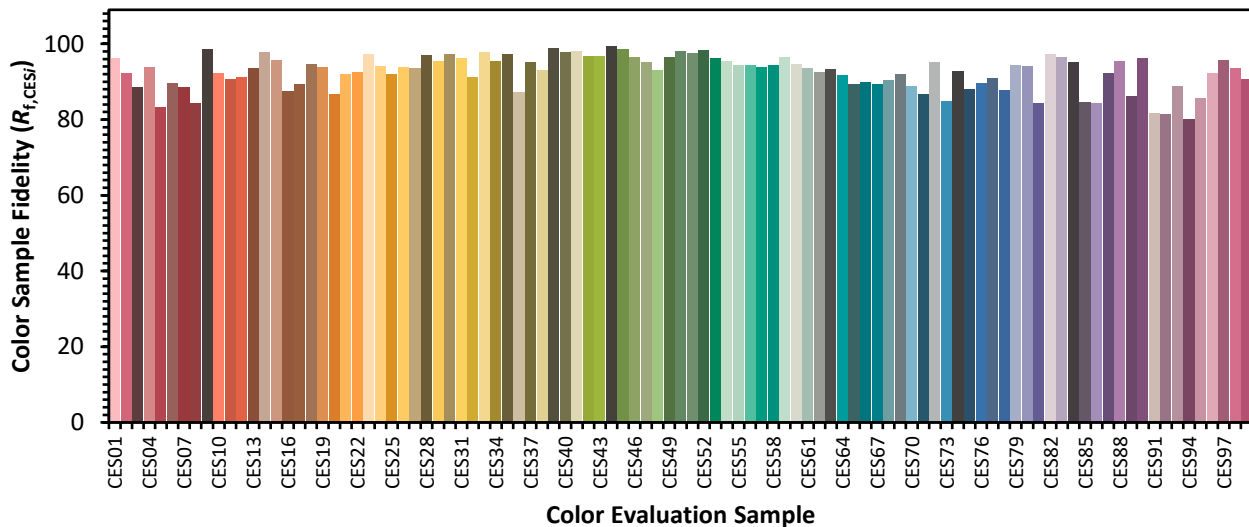


**Color Vector Graphics**

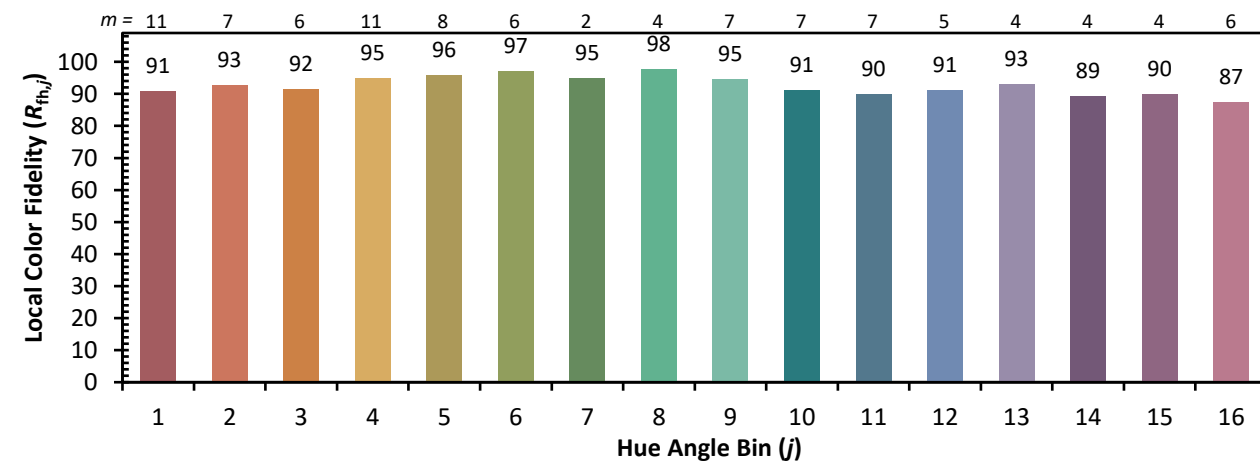
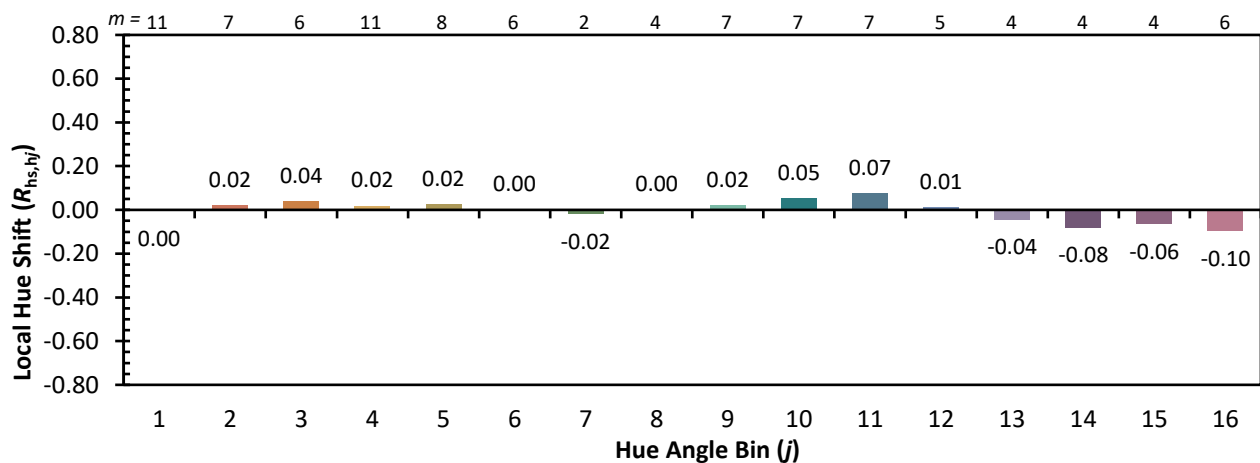
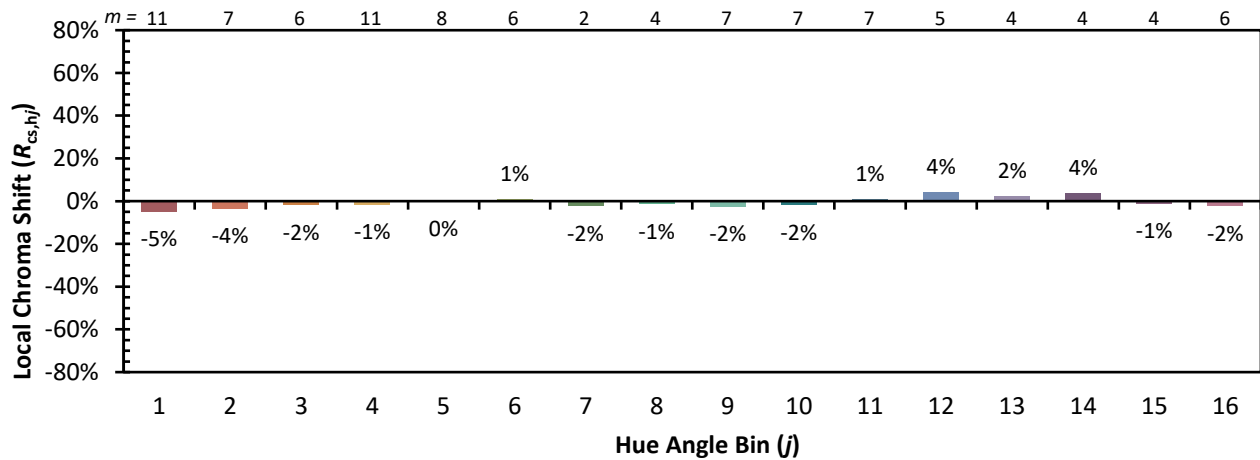


Individual Sample Fidelity Index ( $R_{f,i}$ )

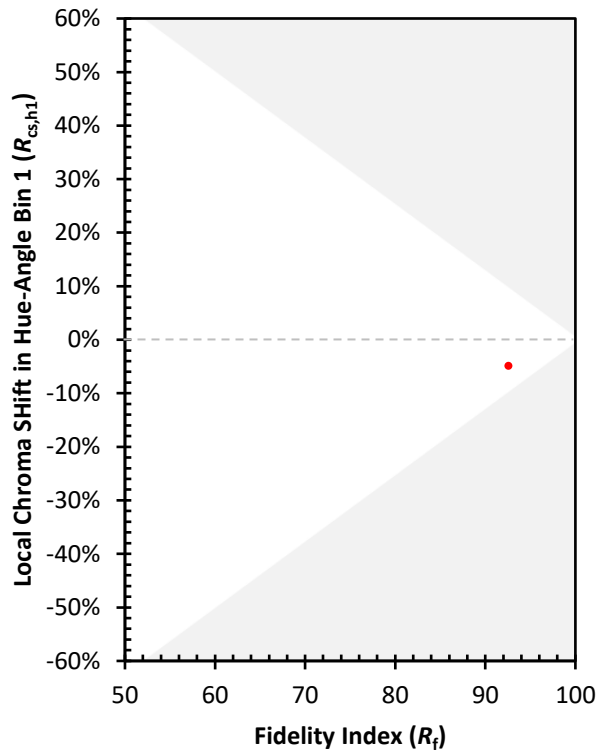
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)