

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: P1457391

Luminaire Tested: GLAN-SB5A-930-U-T4LG

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1457391  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-930-U-T4LG  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 350mA 5xLight Square  
PACKAGE 90CRI 3000K FIXTURE w/ TYPE IV LOW GLARE  
Light Source: (130) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

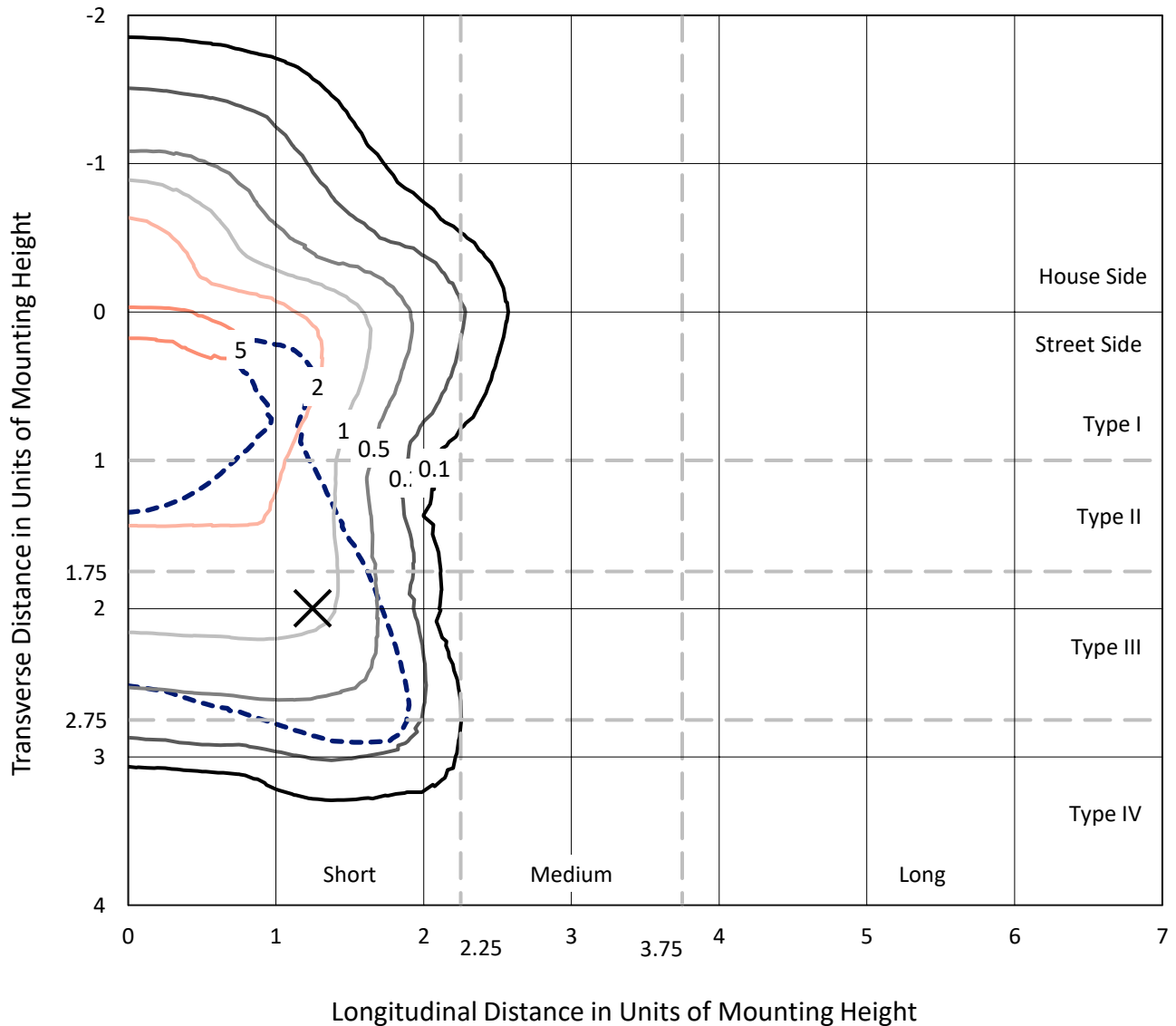
Lumens per Lamp: N/A  
Luminaire Lumens: 15437.8 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): 120  
Input Current (Ain): 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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CATALOG NUMBER: GLAN-SB5A-930-U-T4LG

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

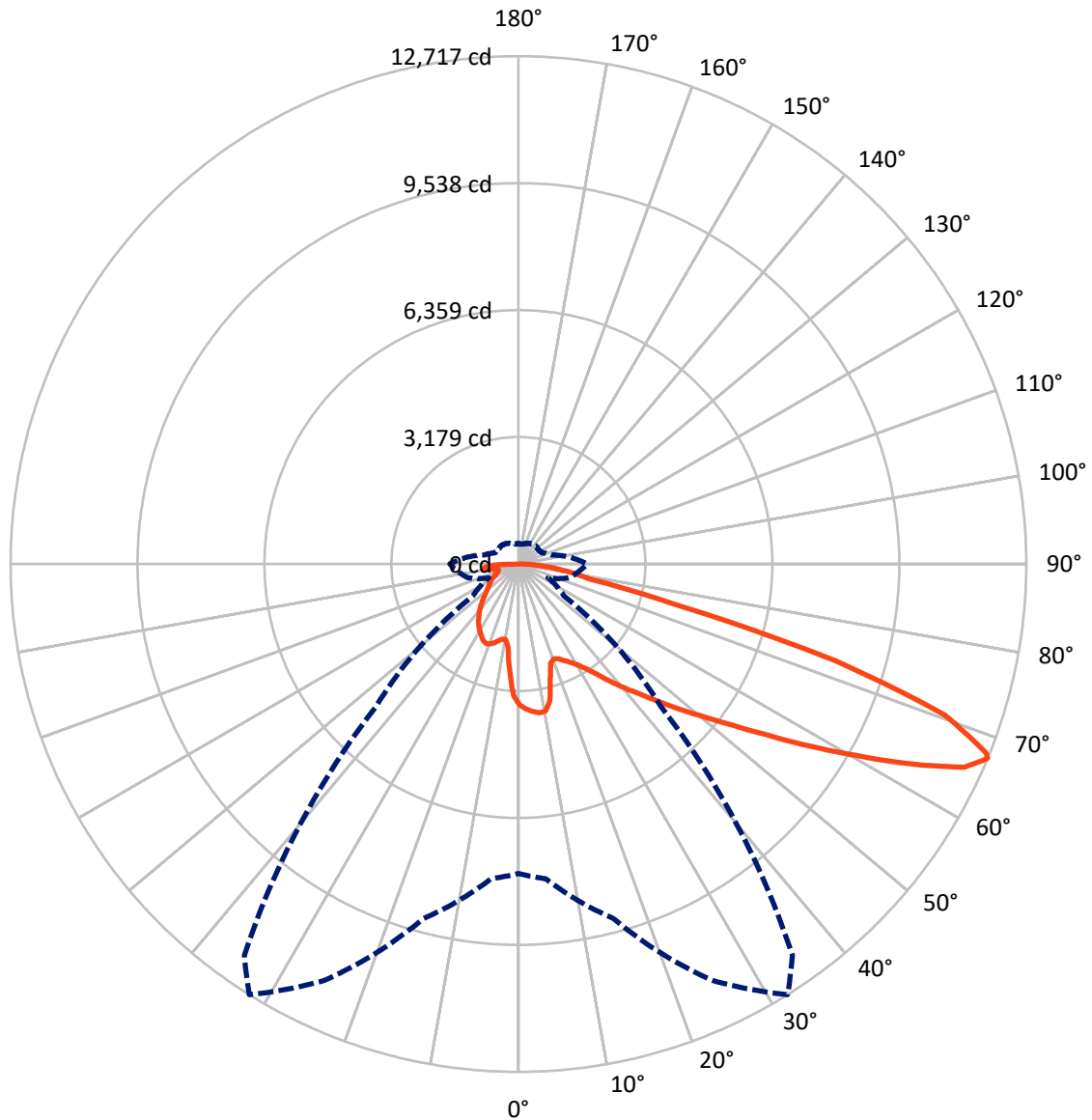


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3654.8	0.0	3654.8
	% Fixture	23.7	0.0	23.7
<b>Street Side</b>	Lumens	11782.9	0.0	11782.9
	% Fixture	76.3	0.0	76.3
<b>Total</b>	Lumens	15437.8	0.0	15437.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.2	2.0
10°-20°	818.3	5.3
20°-30°	1336.3	8.7
30°-40°	1969.6	12.8
40°-50°	2716.1	17.6
50°-60°	3431.3	22.2
60°-70°	3320.9	21.5
70°-80°	1185.2	7.7
80°-90°	351.9	2.3
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°	15437.8	100.0
0°-180°	15437.8	100.0



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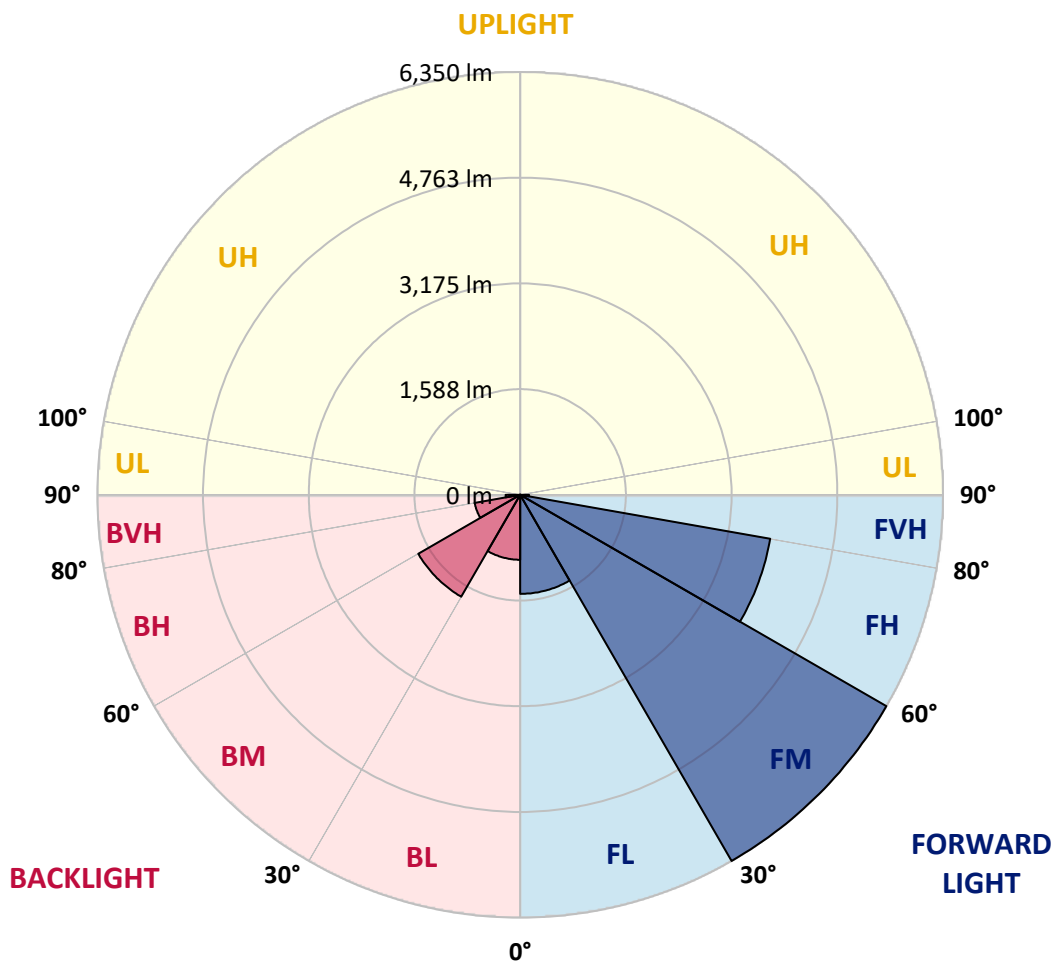
CATALOG NUMBER: GLAN-SB5A-930-U-T4LG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1487.5	9.6			
FM (30°-60°)	6350.0	41.1			
FH (60°-80°)	3812.8	24.7			G2/5000
FVH (80°-90°)	132.6	0.9			G2/225
BL (0°-30°)	975.3	6.3	B2/1000		
BM (30°-60°)	1766.9	11.4	B2/2500		
BH (60°-80°)	693.3	4.5	B2/1000		G2/1000
BVH (80°-90°)	219.3	1.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2
2.5°	3660.9	3650.6	3640.3	3647.2	3633.5	3630.1	3612.9	3606.1	3585.5	3582.1	3544.4
5°	3736.3	3715.8	3712.3	3719.2	3705.5	3705.5	3691.8	3681.5	3650.6	3633.5	3578.6
7.5°	3736.3	3732.9	3739.7	3763.7	3767.2	3767.2	3767.2	3770.6	3739.7	3715.8	3630.1
10°	3523.8	3489.5	3564.9	3684.9	3743.2	3777.5	3839.2	3876.9	3852.9	3835.7	3719.2
12.5°	2889.6	2893.1	3013.0	3270.1	3503.2	3602.6	3859.7	3996.8	4007.1	3979.7	3832.3
15°	2450.9	2468.0	2529.7	2714.8	2982.2	3129.6	3739.7	4103.1	4185.4	4157.9	3969.4
17.5°	2317.2	2327.5	2354.9	2461.2	2612.0	2732.0	3414.1	4171.6	4401.3	4367.0	4123.7
20°	2296.6	2303.5	2337.8	2426.9	2529.7	2598.3	3081.6	4116.8	4603.6	4589.8	4264.2
22.5°	2300.1	2306.9	2351.5	2474.9	2581.1	2639.4	2975.3	3990.0	4816.1	4829.8	4408.2
25°	2306.9	2310.3	2378.9	2543.4	2677.1	2749.1	3043.9	3876.9	4994.3	5110.9	4565.8
27.5°	2344.6	2354.9	2447.5	2632.6	2790.2	2872.5	3205.0	3914.6	5189.7	5429.7	4754.4
30°	2447.5	2454.3	2567.4	2759.4	2930.8	3016.5	3397.0	4065.4	5429.7	5758.7	4939.5
32.5°	2608.6	2615.4	2745.7	2944.5	3129.6	3232.4	3647.2	4353.3	5697.0	6104.9	5124.6
35°	2831.4	2834.8	2982.2	3194.7	3390.1	3506.7	3938.6	4679.0	5974.7	6399.7	5261.7
37.5°	3095.3	3119.3	3270.1	3492.9	3722.6	3828.9	4281.3	5059.5	6221.5	6650.0	5340.5
40°	3458.7	3465.5	3612.9	3828.9	4072.2	4175.1	4624.1	5419.4	6492.3	6797.4	5412.5
42.5°	3832.3	3890.6	4014.0	4253.9	4435.6	4517.9	5014.9	5748.4	6708.2	6804.2	5381.7
45°	4332.8	4377.3	4500.7	4713.2	4894.9	4990.9	5436.5	6050.1	6817.9	6745.9	5313.1
47.5°	4905.2	4932.6	5032.0	5224.0	5426.2	5494.8	5875.3	6221.5	6859.1	6704.8	5282.3
50°	5580.5	5580.5	5652.5	5817.0	6002.1	6098.1	6279.8	6324.3	6979.0	6632.8	5361.1
52.5°	6149.5	6176.9	6272.9	6506.0	6691.1	6800.8	6595.1	6482.0	6735.7	6231.8	5385.1
55°	6694.5	6725.4	6941.3	7232.7	7548.0	7668.0	6989.3	6403.2	5916.4	5645.6	5220.6
57.5°	7215.5	7280.7	7551.5	8120.5	8597.0	8586.7	7489.8	5697.0	4829.8	4997.8	4860.6
60°	7942.2	8010.8	8442.7	9159.1	9741.8	9498.5	7496.6	4740.7	3763.7	3990.0	4185.4
62.5°	8549.0	8665.5	9299.7	10492.5	11027.3	10646.8	6876.2	3630.1	2498.9	2783.4	3235.9
65°	8494.1	8648.4	9632.2	11472.9	12271.6	11918.5	5967.8	2296.6	1288.9	1902.4	2265.8
67°	7746.9	7914.8	9190.0	11507.2	12717.2	11963.1	5038.9	1388.3	819.2	1319.7	1573.4
67.5°	7318.4	7565.2	8970.6	11442.0	12634.9	11774.5	4620.7	1162.0	771.3	1227.2	1432.8
70°	4500.7	4898.3	6732.2	10115.5	11325.5	9855.0	2567.4	658.1	627.3	822.7	990.6
72.5°	1354.0	1474.0	2598.3	6488.9	8312.4	7304.7	1155.2	507.3	562.2	661.6	764.4
75°	658.1	702.7	1072.9	2653.1	4048.2	4027.7	644.4	435.3	521.0	555.3	603.3
77.5°	421.6	449.0	668.4	1484.2	1854.4	1652.2	466.2	380.5	462.8	455.9	449.0
80°	263.9	277.7	428.5	860.4	1367.7	1141.5	342.8	311.9	397.6	353.1	318.8
82.5°	171.4	188.5	274.2	524.5	976.9	850.1	226.2	222.8	329.1	281.1	246.8
85°	113.1	126.8	174.8	308.5	579.3	606.7	147.4	154.3	253.7	212.5	188.5
87.5°	41.1	51.4	89.1	137.1	270.8	335.9	61.7	58.3	123.4	99.4	78.8
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: GLAN-SB5A-930-U-T4LG

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2	3527.2
2.5°	3537.5	3527.2	3479.2	3438.1	3407.2	3366.1	3321.6	3270.1	3235.9	3242.7	3232.4
5°	3554.6	3527.2	3434.7	3294.1	3157.0	2985.6	2766.2	2636.0	2536.6	2485.2	2498.9
7.5°	3592.3	3544.4	3349.0	3064.5	2708.0	2358.3	2142.4	2019.0	1960.7	1936.7	1933.3
10°	3657.5	3575.2	3239.3	2708.0	2241.8	2005.3	1926.4	1892.2	1885.3	1885.3	1881.9
12.5°	3736.3	3606.1	3054.2	2361.8	2019.0	1933.3	1919.6	1923.0	1933.3	1943.6	1926.4
15°	3832.3	3619.8	2824.5	2152.7	1974.4	1953.9	1974.4	1998.4	2015.6	2029.3	2012.1
17.5°	3928.3	3606.1	2608.6	2053.3	1981.3	2008.7	2049.8	2087.5	2097.8	2118.4	2104.7
20°	3996.8	3558.1	2423.5	2015.6	1998.4	2060.1	2111.5	2152.7	2173.2	2186.9	2173.2
22.5°	4048.2	3496.4	2289.8	1977.8	1998.4	2073.8	2135.5	2183.5	2207.5	2221.2	2204.1
25°	4092.8	3410.7	2186.9	1923.0	1957.3	2029.3	2097.8	2145.8	2180.1	2200.7	2190.4
27.5°	4147.7	3342.1	2091.0	1840.7	1871.6	1940.1	2012.1	2070.4	2135.5	2169.8	2163.0
30°	4209.4	3307.8	1998.4	1751.6	1772.2	1840.7	1926.4	2005.3	2094.4	2139.0	2139.0
32.5°	4281.3	3283.8	1912.7	1665.9	1683.1	1758.5	1840.7	1912.7	2008.7	2080.7	2077.3
35°	4312.2	3256.4	1844.2	1587.1	1621.4	1683.1	1748.2	1796.2	1895.6	1981.3	1988.1
37.5°	4343.0	3246.1	1809.9	1525.4	1552.8	1600.8	1635.1	1659.1	1751.6	1840.7	1844.2
40°	4380.7	3294.1	1833.9	1484.2	1460.2	1508.2	1525.4	1539.1	1587.1	1645.4	1645.4
42.5°	4356.8	3328.4	1888.7	1446.5	1347.1	1402.0	1408.8	1405.4	1408.8	1412.3	1408.8
45°	4295.1	3294.1	1888.7	1388.3	1227.2	1285.4	1282.0	1264.9	1237.4	1165.5	1155.2
47.5°	4281.3	3273.6	1816.7	1292.3	1107.2	1155.2	1162.0	1127.8	1048.9	973.5	949.5
50°	4339.6	3311.3	1703.6	1175.7	1004.3	1045.5	1062.6	1004.3	915.2	836.4	822.7
52.5°	4425.3	3359.3	1539.1	1048.9	918.7	959.8	980.4	915.2	822.7	761.0	754.1
55°	4415.0	3359.3	1354.0	932.4	853.5	884.4	918.7	850.1	778.1	743.8	740.4
57.5°	4192.2	3232.4	1216.9	850.1	791.8	819.2	863.8	798.7	730.1	737.0	747.3
60°	3756.9	2903.4	1114.0	795.3	737.0	764.4	812.4	737.0	647.9	623.9	623.9
62.5°	3095.3	2392.6	1031.8	740.4	685.6	719.8	743.8	644.4	586.2	558.7	558.7
65°	2320.6	1851.0	946.1	695.8	641.0	678.7	651.3	603.3	545.0	524.5	527.9
67°	1720.8	1436.3	874.1	658.1	613.6	630.7	610.2	575.9	517.6	500.5	517.6
67.5°	1545.9	1364.3	857.0	647.9	606.7	620.4	599.9	572.4	510.7	493.6	510.7
70°	1062.6	1048.9	764.4	599.9	569.0	555.3	565.6	531.3	479.9	473.0	490.2
72.5°	809.0	836.4	685.6	558.7	527.9	510.7	534.7	500.5	449.0	459.3	476.5
75°	634.1	675.3	613.6	500.5	479.9	483.3	531.3	517.6	476.5	486.7	490.2
77.5°	469.6	545.0	524.5	435.3	418.2	466.2	599.9	641.0	569.0	551.9	527.9
80°	342.8	390.8	442.2	359.9	349.6	449.0	740.4	819.2	702.7	634.1	617.0
82.5°	253.7	274.2	363.3	287.9	253.7	401.1	822.7	963.2	836.4	706.1	685.6
85°	181.7	212.5	287.9	212.5	168.0	329.1	805.5	942.6	829.5	668.4	651.3
87.5°	65.1	92.6	123.4	96.0	85.7	226.2	665.0	678.7	517.6	236.5	239.9
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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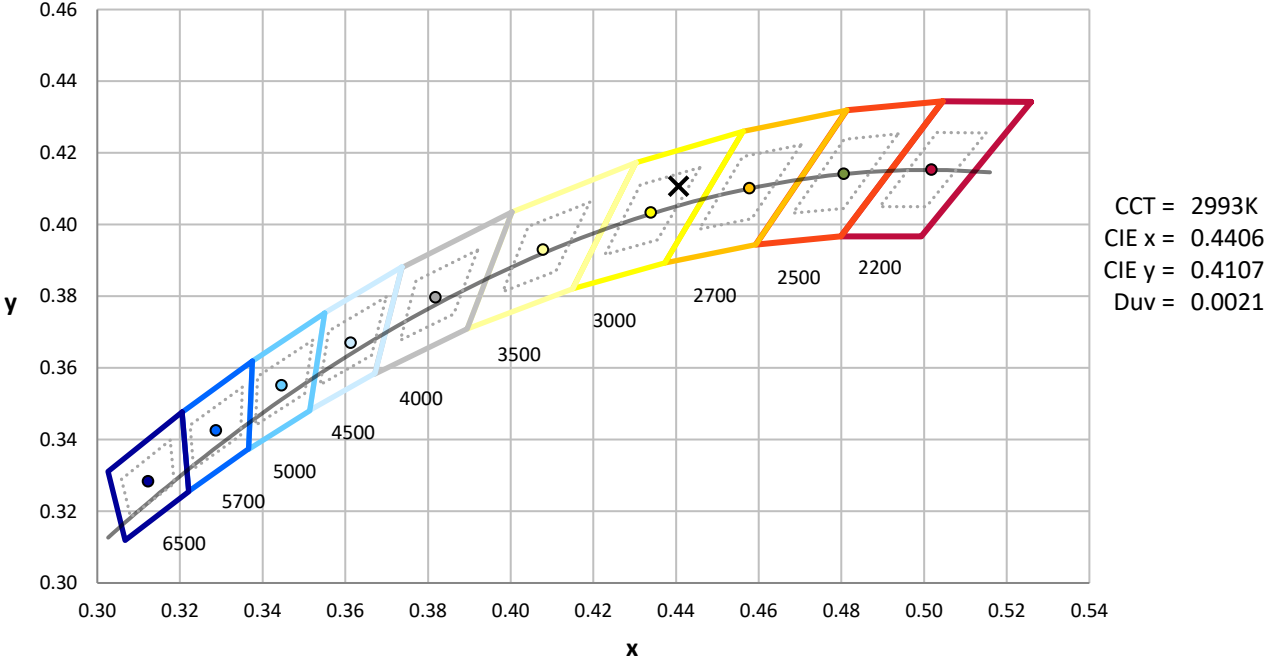
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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**

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			

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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**

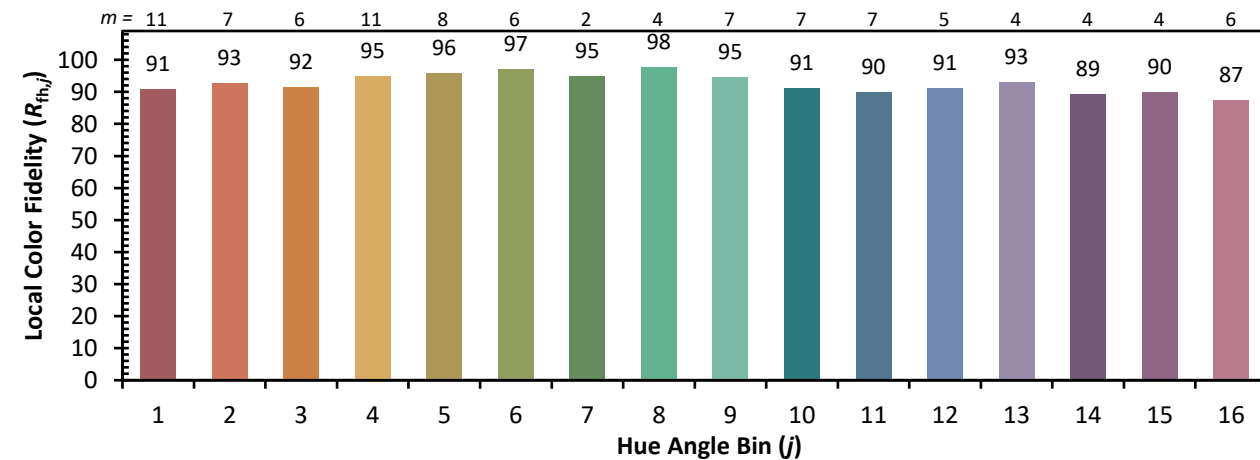
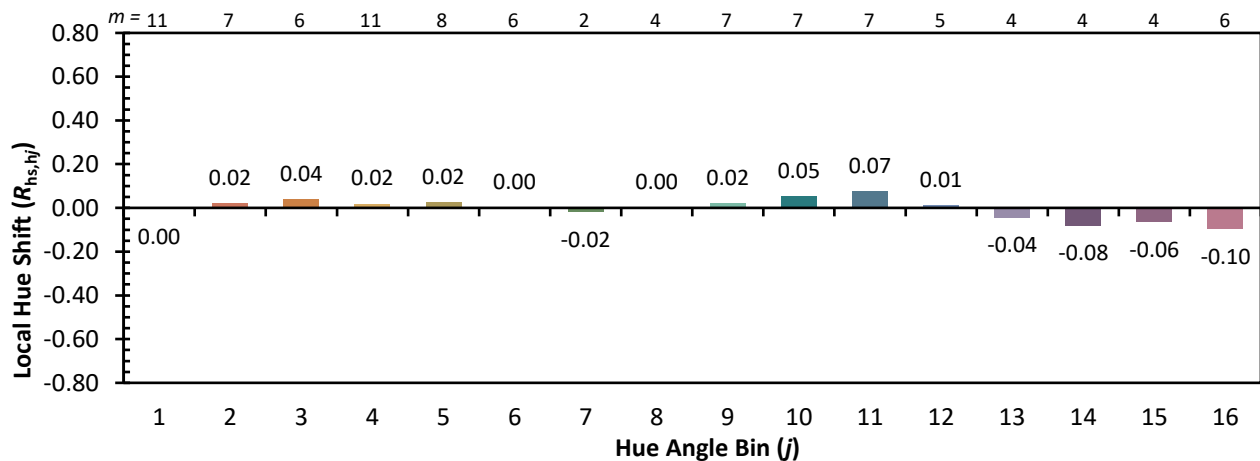
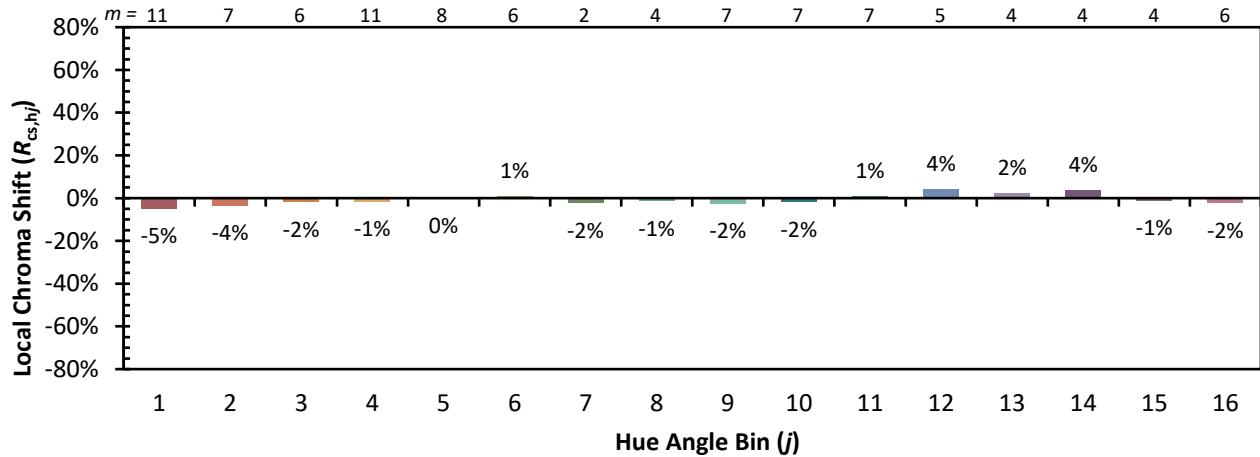


Individual Sample Fidelity Index ( $R_{f,i}$ )

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)