

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

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
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: P1456221

Luminaire Tested: GLAN-SB9C-927-U-T2LG

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1456221  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-927-U-T2LG  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 615mA 9xLight Square  
PACKAGE 90CRI 2700K FIXTURE w/ TYPE II LOW GLARE  
Light Source: (234) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

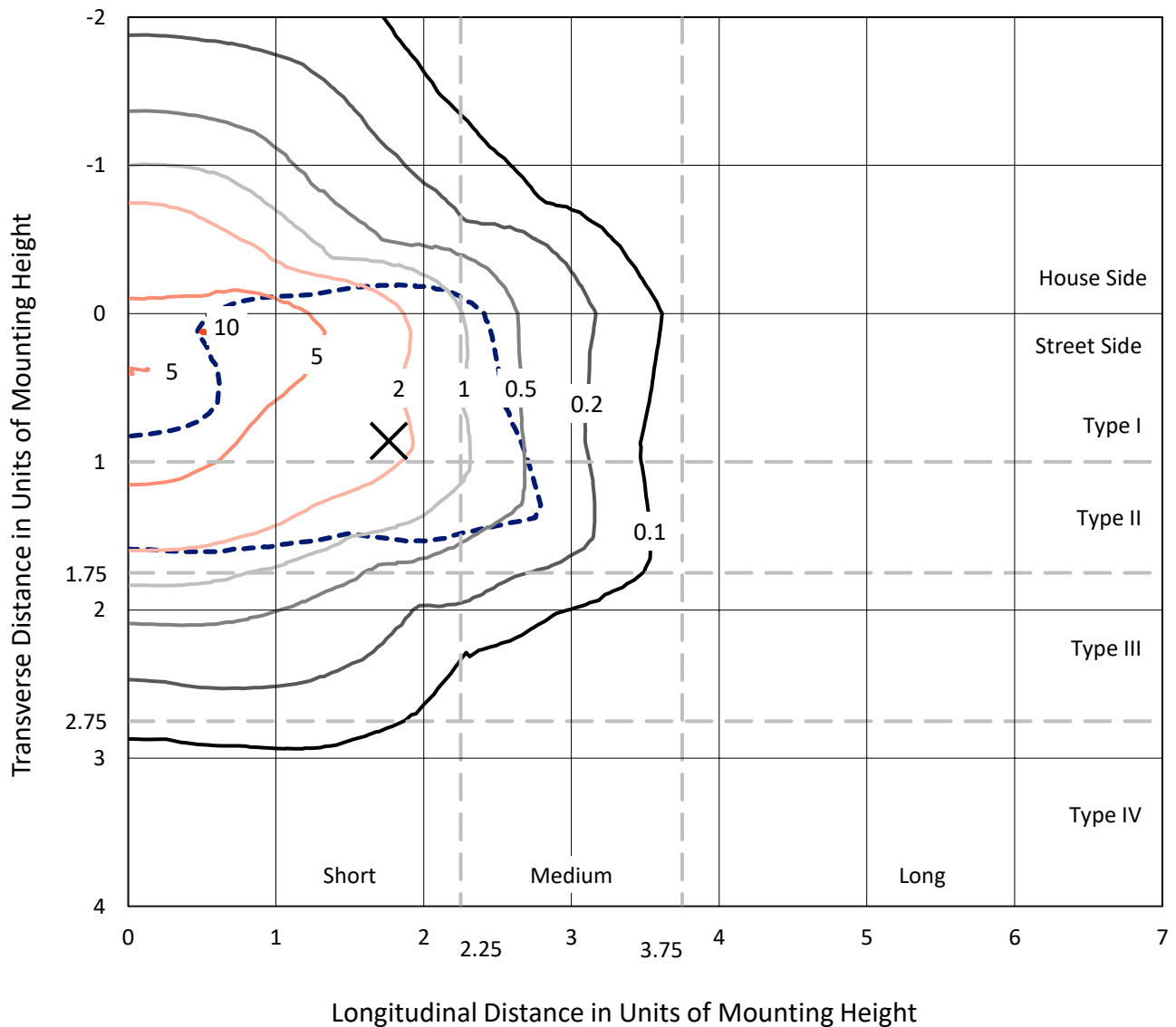
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40144.4 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 449.8  
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: P1456221  
 CATALOG NUMBER: GLAN-SB9C-927-U-T2LG

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

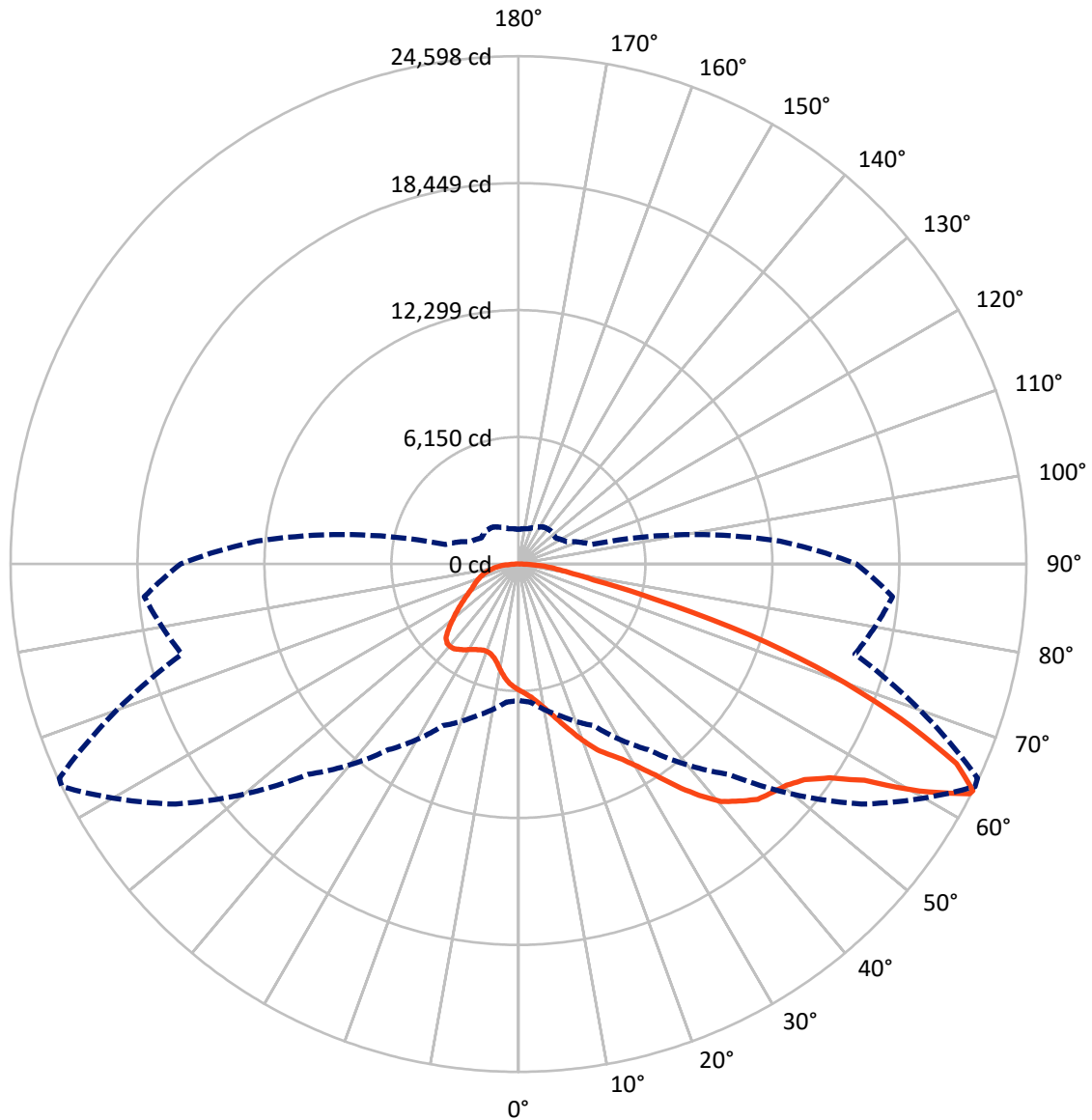


Based on 30 foot mounting height. Maximum calculated value = 10.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P1456221

CATALOG NUMBER: GLAN-SB9C-927-U-T2LG

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P1456221

CATALOG NUMBER: GLAN-SB9C-927-U-T2LG

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10785.7	0.0	10785.7
	% Fixture	26.9	0.0	26.9
<b>Street Side</b>	Lumens	29358.8	0.0	29358.8
	% Fixture	73.1	0.0	73.1
<b>Total</b>	Lumens	40144.4	0.0	40144.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.3	1.4
10°-20°	1728.0	4.3
20°-30°	3159.9	7.9
30°-40°	5435.6	13.5
40°-50°	8016.0	20.0
50°-60°	9607.7	23.9
60°-70°	7711.1	19.2
70°-80°	3098.5	7.7
80°-90°	826.2	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°	40144.4	100.0
0°-180°	40144.4	100.0



REPORT NUMBER: P1456221

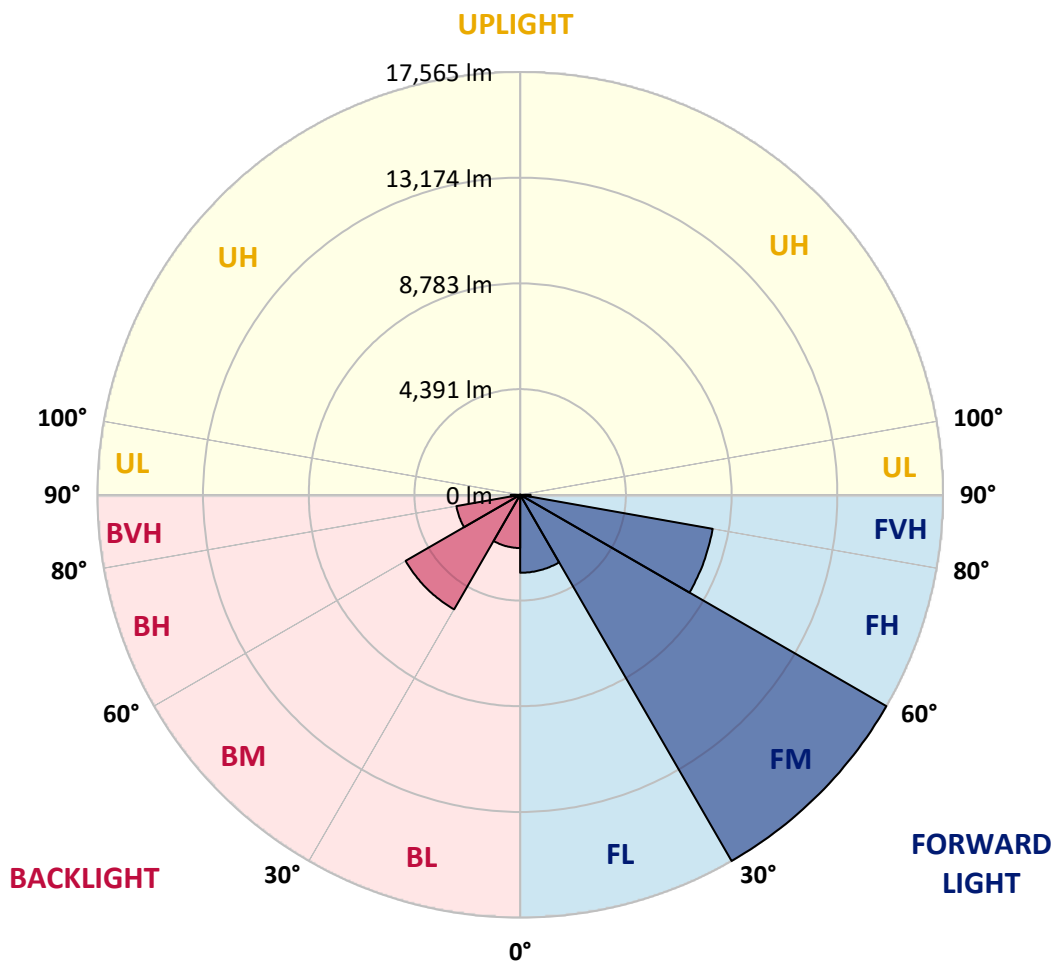
CATALOG NUMBER: GLAN-SB9C-927-U-T2LG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3238.9	8.1			
FM	(30°-60°)	17565.3	43.8			
FH	(60°-80°)	8120.5	20.2			G4/12000
FVH	(80°-90°)	434.1	1.1			G3/500
BL	(0°-30°)	2210.4	5.5	B3/2500		
BM	(30°-60°)	5494.0	13.7	B4/8500		
BH	(60°-80°)	2689.2	6.7	B4/5000		G4/5000
BVH	(80°-90°)	392.1	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Short





REPORT NUMBER: P1456221

CATALOG NUMBER: GLAN-SB9C-927-U-T2LG

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5
2.5°	6366.0	6375.0	6348.0	6339.0	6357.0	6320.9	6311.9	6275.8	6257.8	6221.7	6176.7
5°	6546.4	6555.4	6537.3	6537.3	6555.4	6528.3	6519.3	6483.2	6465.2	6429.1	6339.0
7.5°	6537.3	6546.4	6564.4	6636.5	6726.7	6762.8	6789.8	6762.8	6753.8	6699.6	6609.5
10°	6393.1	6402.1	6447.2	6555.4	6780.8	6943.1	7114.4	7114.4	7132.5	7087.4	6925.1
12.5°	6194.7	6203.7	6311.9	6483.2	6780.8	7060.3	7412.0	7556.3	7547.2	7520.2	7330.8
15°	5716.8	5716.8	5879.1	6203.7	6681.6	7141.5	7664.5	8052.2	8061.2	8088.3	7862.8
17.5°	5311.0	5320.0	5455.3	5743.8	6366.0	7096.4	7935.0	8602.2	8629.3	8782.6	8458.0
20°	5347.1	5347.1	5392.2	5518.4	6023.4	6916.1	8088.3	9188.3	9278.5	9639.2	9233.4
22.5°	5626.6	5626.6	5662.7	5653.7	5960.3	6798.8	8187.5	9774.5	9936.8	10685.2	10162.2
25°	6140.6	6131.6	6095.5	6041.4	6221.7	6925.1	8412.9	10225.3	10540.9	11839.4	11235.2
27.5°	6771.8	6753.8	6699.6	6609.5	6735.7	7303.8	8800.6	10703.2	11045.9	13101.7	12371.4
30°	7556.3	7502.2	7448.1	7330.8	7466.1	7926.0	9377.7	11379.5	11704.1	14535.4	13741.9
32.5°	8485.0	8548.1	8367.8	8205.5	8349.8	8773.6	10234.3	12182.0	12533.7	16032.3	15166.6
35°	9873.6	10063.0	10008.9	9188.3	9323.6	9792.5	11235.2	13219.0	13534.6	17393.8	16627.4
37.5°	11244.2	11199.1	11244.2	10558.9	10342.5	10910.6	12308.2	14210.8	14517.4	18502.9	17916.8
40°	12344.3	12479.6	12479.6	11920.5	11641.0	12019.7	13282.1	15121.5	15419.1	19116.1	18845.6
42.5°	13543.6	13561.6	13525.5	13038.6	12930.4	13029.6	14138.7	15698.6	15942.1	19431.7	19476.8
45°	14896.1	14887.1	14733.8	14328.1	14165.7	14075.6	14670.7	16257.7	16501.2	19576.0	19819.4
47.5°	16014.2	16059.3	16068.3	15635.5	15365.0	14977.3	15130.6	16537.2	16816.7	19413.7	19891.6
50°	16077.4	16149.5	16492.1	16618.4	16564.3	15942.1	15554.4	16834.8	17114.3	19449.7	20153.0
52.5°	15680.6	15752.7	16194.6	16717.6	17348.8	17051.2	16221.6	17348.8	17637.3	19801.4	20748.2
55°	14616.6	14733.8	15392.1	16122.4	17249.6	17673.4	17402.9	18277.5	18548.0	20080.9	21442.5
57.5°	12723.0	12867.3	13778.0	14941.2	16483.1	17529.1	19116.1	19765.3	19990.7	20279.3	21451.5
60°	9513.0	9630.2	11054.9	12623.8	14941.2	16627.4	20135.0	22317.1	22443.4	19206.3	20234.2
62.5°	7006.2	7123.4	8079.3	9206.4	11740.2	14968.3	20333.4	24526.3	24544.3	17267.6	18557.0
63°	6600.5	6717.7	7583.3	8638.3	10982.7	14409.2	20270.3	24598.4	24535.3	16870.9	18187.3
65°	5139.7	5347.1	6248.8	7051.3	8232.5	11469.7	19458.7	23318.0	23408.2	15698.6	16329.8
67.5°	3498.6	3651.9	4797.1	5725.8	6221.7	7303.8	15960.1	19954.7	20098.9	14481.3	13029.6
70°	2705.1	2777.2	3444.5	4535.6	5031.5	4643.8	10405.6	16068.3	16068.3	11307.3	9233.4
72.5°	2119.0	2146.1	2596.9	3543.7	4048.6	3570.7	5797.9	11686.1	11253.2	6708.7	6158.6
75°	1514.9	1550.9	1956.7	2642.0	3228.1	2813.3	3706.0	6807.9	6546.4	3859.3	4111.8
77.5°	1199.3	1217.3	1460.8	1947.7	2614.9	2146.1	2822.3	3715.0	3678.9	2714.1	2642.0
80°	946.8	982.9	1145.2	1397.6	2019.8	1677.2	2101.0	2452.6	2380.5	1866.5	1695.2
82.5°	676.3	739.4	883.7	1064.0	1496.8	1199.3	1379.6	1731.3	1731.3	1406.7	1118.1
85°	414.8	468.9	523.0	658.2	1064.0	775.5	730.4	1118.1	1145.2	1055.0	721.4
87.5°	198.4	216.4	252.5	279.5	387.7	351.7	288.5	423.8	432.8	468.9	297.6
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: P1456221

CATALOG NUMBER: GLAN-SB9C-927-U-T2LG

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5	6113.5
2.5°	6167.6	6149.6	6059.4	5969.3	5870.1	5779.9	5689.7	5617.6	5536.5	5554.5	5563.5
5°	6284.9	6239.8	6041.4	5807.0	5500.4	5211.8	4932.3	4733.9	4607.7	4571.6	4499.5
7.5°	6537.3	6429.1	6068.5	5572.5	5004.4	4553.6	4292.1	4174.9	4138.8	4147.8	4129.8
10°	6825.9	6663.6	6104.5	5293.0	4571.6	4265.1	4229.0	4301.1	4337.2	4373.3	4382.3
12.5°	7204.6	6943.1	6086.5	4986.4	4364.2	4310.1	4445.4	4580.6	4661.8	4715.9	4706.9
15°	7646.4	7294.8	6032.4	4733.9	4337.2	4481.5	4652.8	4806.1	4905.3	4959.4	4932.3
17.5°	8178.4	7709.6	5969.3	4571.6	4418.3	4589.7	4770.0	4923.3	5031.5	5067.6	5040.5
20°	8836.7	8178.4	5861.1	4499.5	4481.5	4634.8	4797.1	4941.3	5031.5	5067.6	5031.5
22.5°	9612.1	8737.5	5770.9	4499.5	4508.5	4634.8	4752.0	4860.2	4941.3	4968.4	4923.3
25°	10604.0	9386.7	5734.8	4571.6	4517.5	4589.7	4652.8	4715.9	4761.0	4779.0	4761.0
27.5°	11613.9	10135.1	5752.9	4661.8	4508.5	4526.5	4526.5	4535.6	4544.6	4553.6	4544.6
30°	12777.1	10892.6	5825.0	4779.0	4526.5	4436.4	4409.3	4355.2	4310.1	4274.1	4238.0
32.5°	13904.3	11613.9	5951.2	4950.3	4508.5	4337.2	4283.1	4147.8	4021.6	3913.4	3913.4
35°	15121.5	12362.3	6176.7	5076.6	4490.5	4247.0	4093.7	3940.4	3805.2	3651.9	3651.9
37.5°	16167.5	13002.5	6357.0	5220.9	4472.4	4138.8	3895.4	3724.0	3579.8	3426.5	3408.4
40°	16897.9	13372.2	6465.2	5275.0	4409.3	3994.5	3706.0	3489.6	3282.2	3074.8	3065.8
42.5°	17249.6	13354.2	6402.1	5256.9	4292.1	3814.2	3543.7	3255.1	2975.6	2786.3	2768.2
45°	17438.9	13237.0	6158.6	5103.6	4102.7	3624.8	3336.3	3029.7	2750.2	2578.9	2542.8
47.5°	17402.9	12948.4	5825.0	4724.9	3850.3	3417.5	3128.9	2813.3	2587.9	2488.7	2488.7
50°	17502.0	12723.0	5446.3	4292.1	3507.6	3174.0	2939.5	2651.0	2515.7	2389.5	2344.4
52.5°	17943.9	12912.4	5121.7	3886.3	3183.0	2939.5	2777.2	2533.8	2362.5	2281.3	2254.3
55°	18530.0	13318.1	4815.1	3525.7	2867.4	2732.2	2651.0	2425.6	2227.2	2146.1	2101.0
57.5°	18638.2	13597.7	4517.5	3174.0	2605.9	2569.9	2542.8	2236.2	2073.9	2010.8	1974.7
60°	17889.8	13390.3	4129.8	2858.4	2398.5	2416.6	2344.4	2119.0	1929.6	1866.5	1830.5
62.5°	16618.4	12849.3	3742.1	2587.9	2236.2	2272.3	2200.2	1974.7	1785.4	1722.3	1704.2
63°	16365.9	12705.0	3651.9	2560.8	2200.2	2245.2	2182.1	1956.7	1767.3	1704.2	1677.2
65°	14860.1	11839.4	3336.3	2416.6	2082.9	2082.9	2091.9	1866.5	1704.2	1677.2	1659.1
67.5°	12118.9	9882.7	2993.7	2245.2	1956.7	1983.7	2028.8	1902.6	1839.5	1821.4	1803.4
70°	9161.3	7439.0	2696.1	2082.9	1821.4	1911.6	2218.2	2164.1	1929.6	1767.3	1731.3
72.5°	6492.3	5067.6	2434.6	1920.6	1659.1	1884.6	2299.3	2064.9	1740.3	1550.9	1514.9
75°	4346.2	3264.2	2173.1	1749.3	1478.8	1740.3	2173.1	1884.6	1514.9	1469.8	1415.7
77.5°	2732.2	2326.4	1911.6	1550.9	1280.4	1550.9	1974.7	1677.2	1307.5	1325.5	1244.3
80°	1668.1	1659.1	1605.0	1316.5	1027.9	1235.3	1659.1	1415.7	1046.0	1046.0	928.8
82.5°	991.9	1199.3	1361.6	1091.1	748.4	883.7	1199.3	1064.0	874.7	847.6	793.5
85°	667.3	811.5	1082.0	838.6	477.9	541.0	829.6	892.7	802.5	703.3	658.2
87.5°	243.5	324.6	495.9	342.6	207.4	324.6	622.2	649.2	486.9	378.7	342.6
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: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-13  
 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-927-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 2700K CCT 26 LEDS

**Spectral Parameters**

CCT (K): 2731  
 CIE u': 0.2605  
 CIE v': 0.5298  
 Duv: 0.0021  
 CIE x: 0.4610  
 CIE y: 0.4166  
 CIE z: 0.1224  
 Peak Wavelength (nm): 622  
 Dominant Wavelength (nm): 583  
 Purity: 63.43685  
 Rf: 92.6  
 Rg: 98

CRI (Ra):	91.8		
R1:	91.4	R9:	54.7
R2:	95.1	R10:	87.7
R3:	97.6	R11:	92.9
R4:	92.3	R12:	84.0
R5:	91.1	R13:	92.2
R6:	94.7	R14:	97.8
R7:	92.3	R15:	86.8
R8:	80.0		



**Test Conditions**

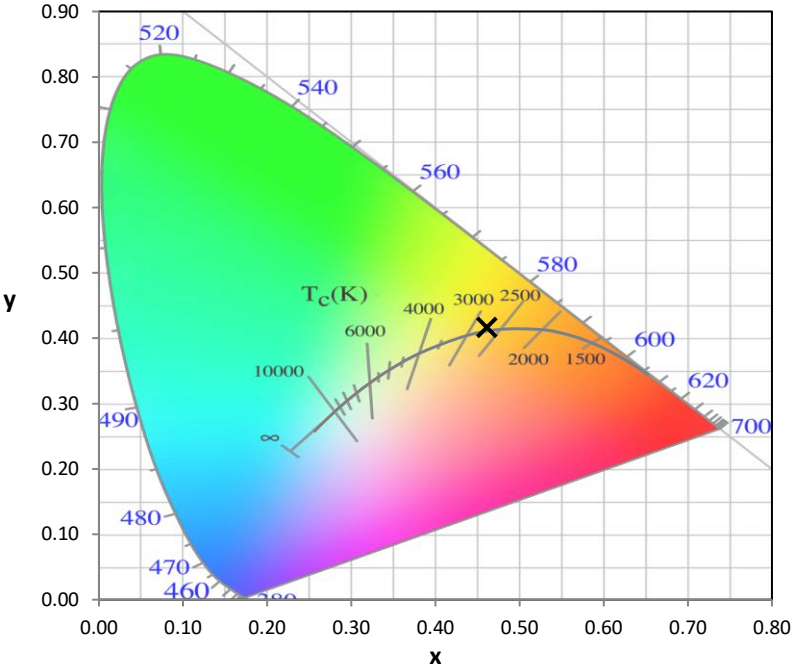
Stabilization Time: M  
 Operation Time: 1H 0M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

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: SP1-2407-184-13

CIE 1931 Chromaticity Diagram



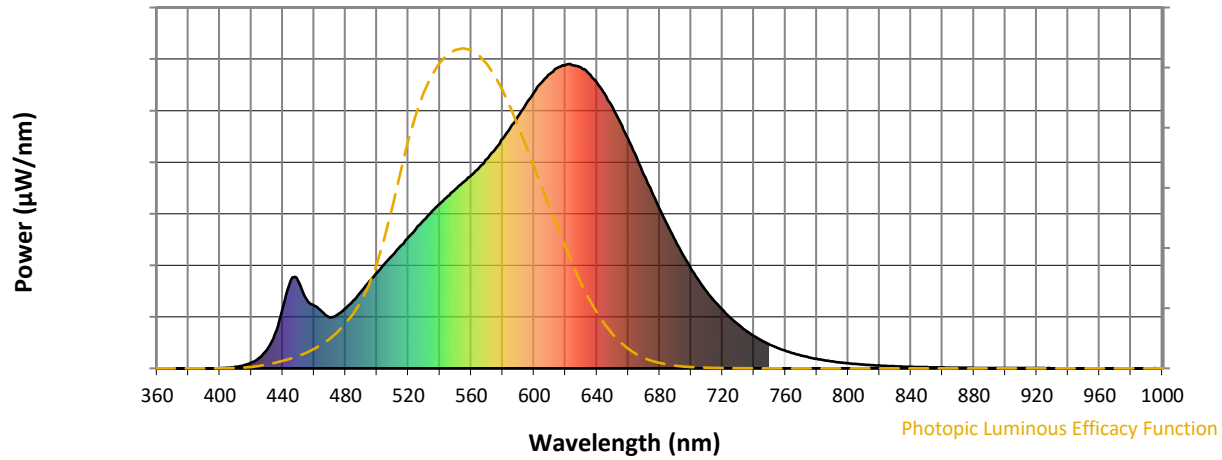
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

**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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.27**

$\lambda$ (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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

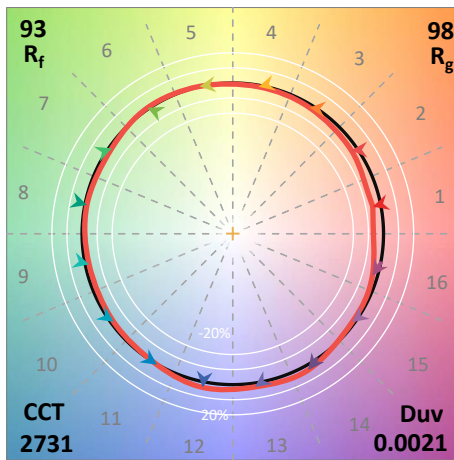
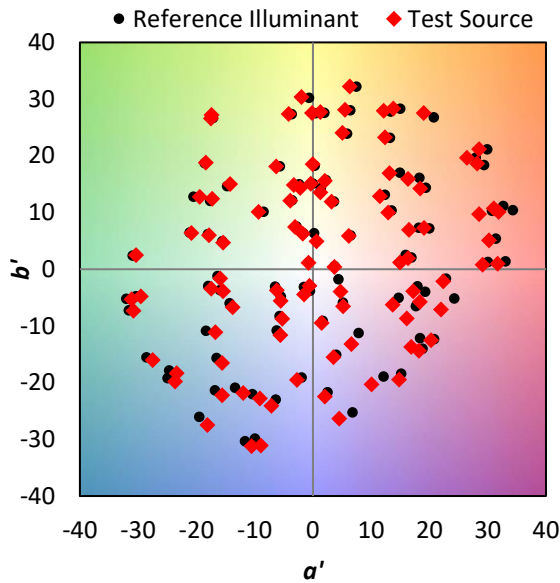
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

**Summary**

$R_f = 92.6$   
 $R_g = 98$   
 $CIE R_a = 91.8$   
 $R_9 = 54.7$



**Color Vector Graphics**

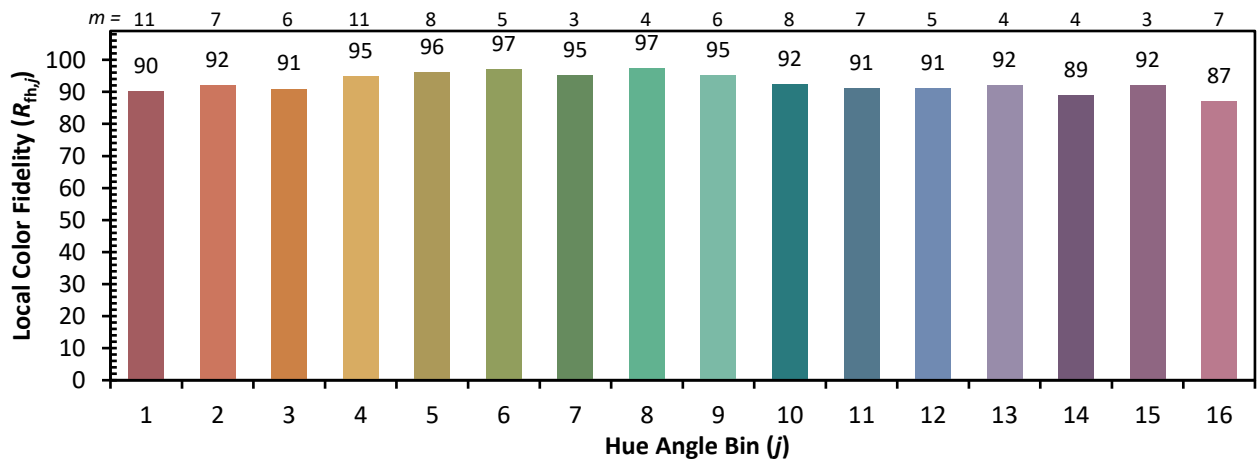
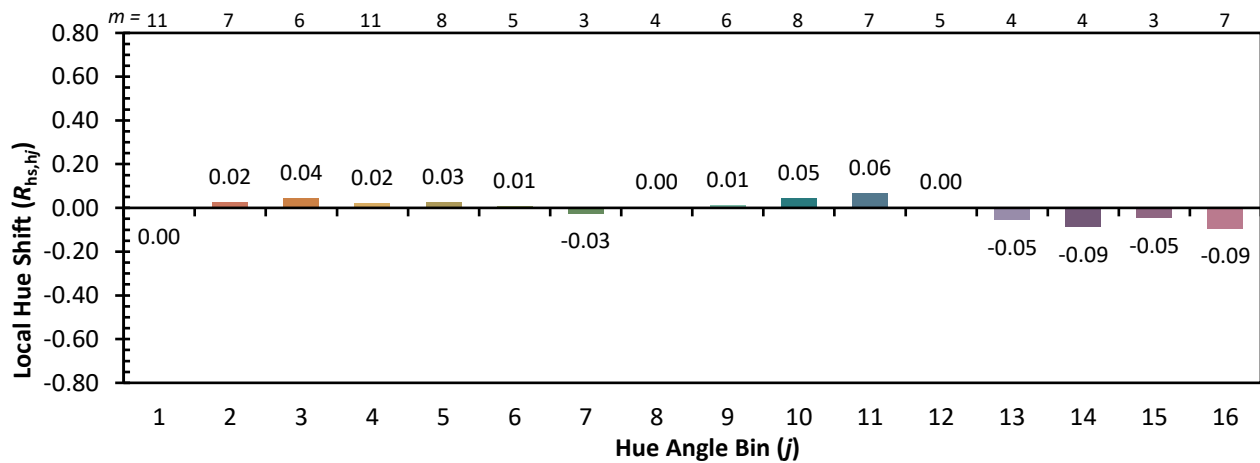


Individual Sample Fidelity Index ( $R_{f,i}$ )

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)