

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: P1457968

Luminaire Tested: GLAN-SB5B-930-U-T2LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1457968  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-930-U-T2LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 450mA 5xLight Square PACKAGE 90CRI 3000K FIXTURE w/ TYPE II LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (130) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

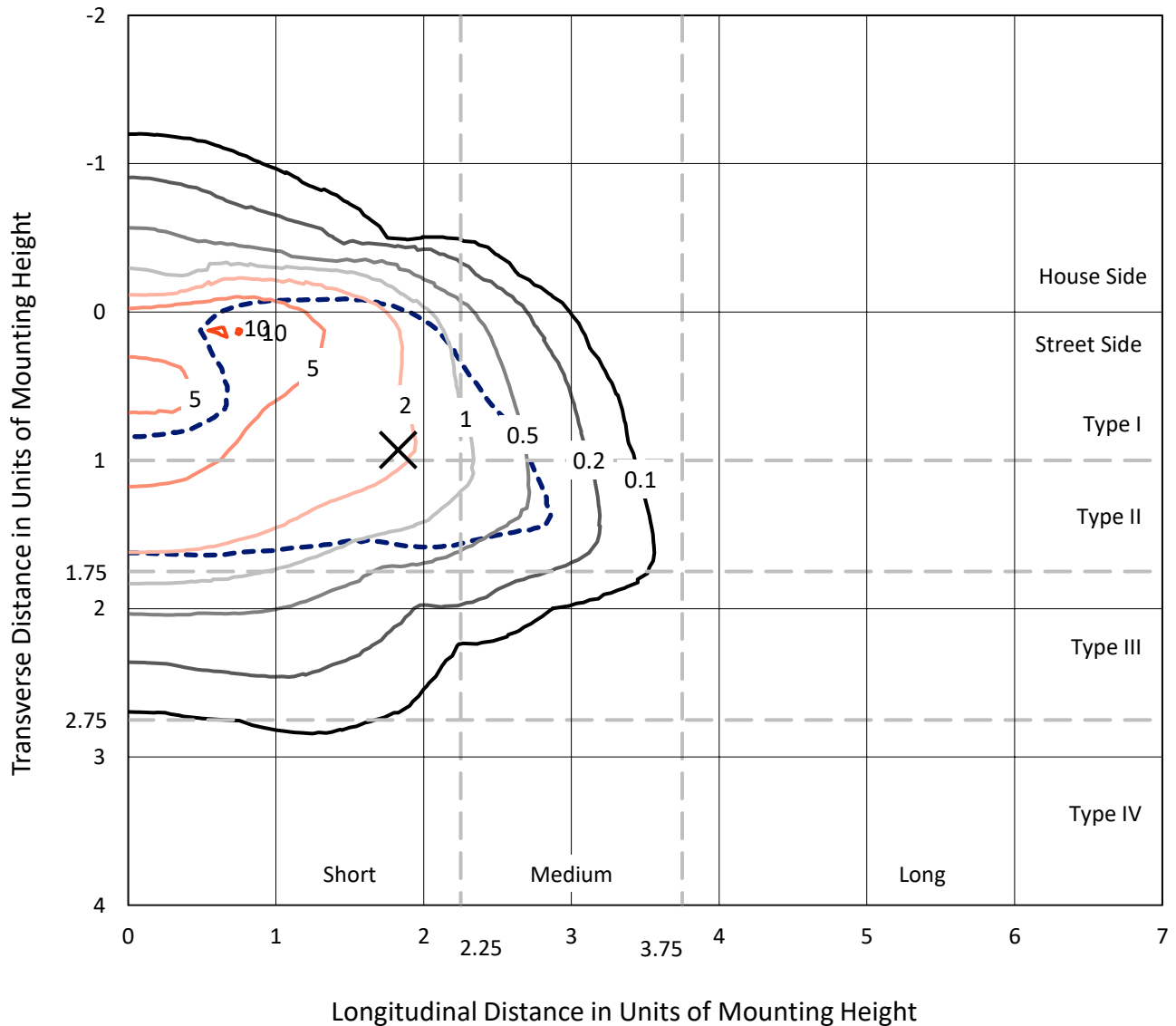
Lumens per Lamp: N/A  
Luminaire Lumens: 14343.3 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 182.7  
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

REPORT NUMBER: P1457968  
 CATALOG NUMBER: GLAN-SB5B-930-U-T2LG-HSS

### Iso-Footcandle Lines of Horizontal Illumination

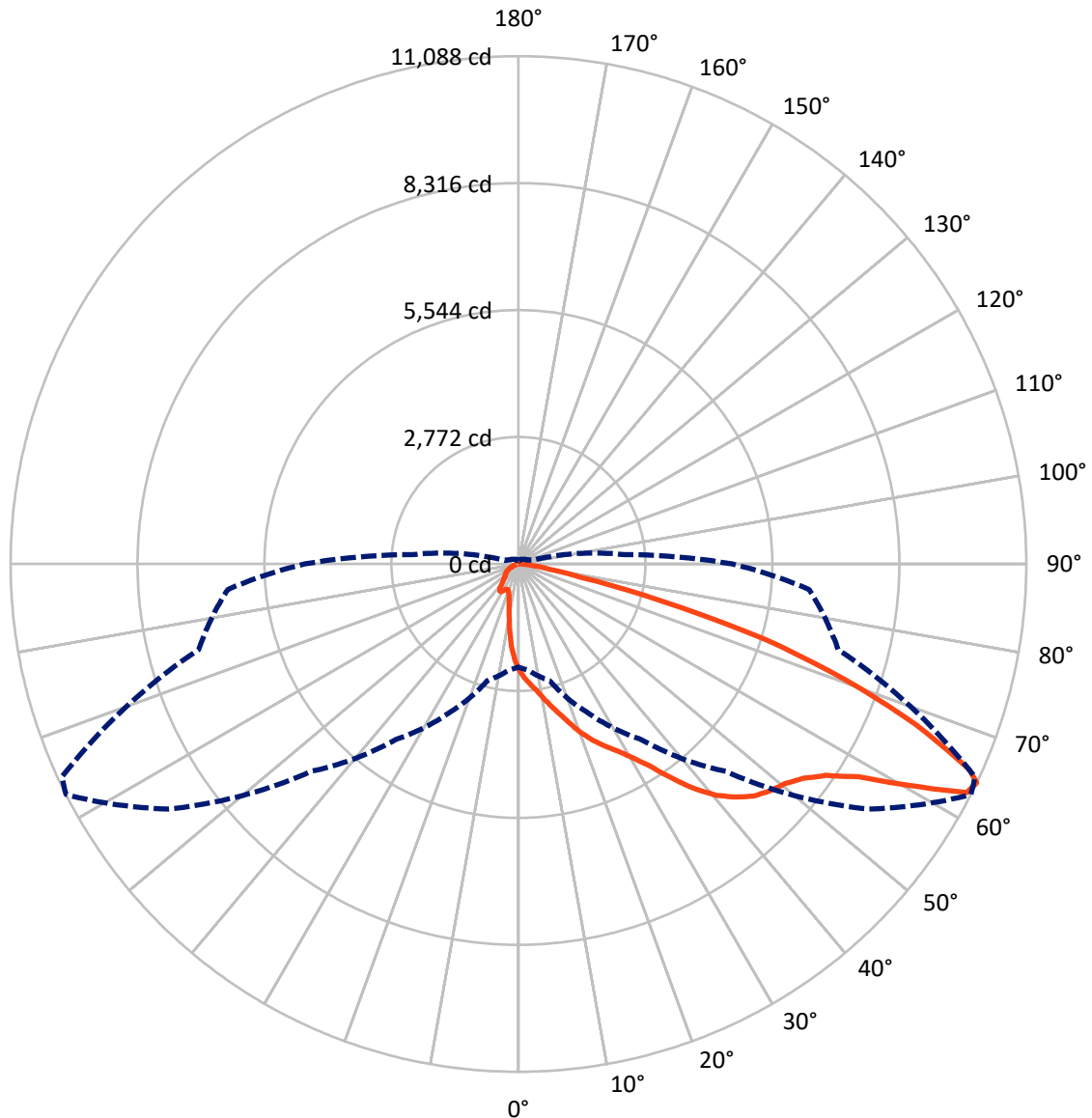
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P1457968  
CATALOG NUMBER: GLAN-SB5B-930-U-T2LG-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1457968

CATALOG NUMBER: GLAN-SB5B-930-U-T2LG-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1702.1	0.0	1702.1
	% Fixture	11.9	0.0	11.9
<b>Street Side</b>	Lumens	12641.2	0.0	12641.2
	% Fixture	88.1	0.0	88.1
<b>Total</b>	Lumens	14343.3	0.0	14343.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.3	1.4
10°-20°	548.8	3.8
20°-30°	977.4	6.8
30°-40°	1866.9	13.0
40°-50°	3094.5	21.6
50°-60°	3857.3	26.9
60°-70°	2876.2	20.1
70°-80°	824.9	5.8
80°-90°	102.0	0.7
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°	14343.3	100.0
0°-180°	14343.3	100.0



REPORT NUMBER: P1457968

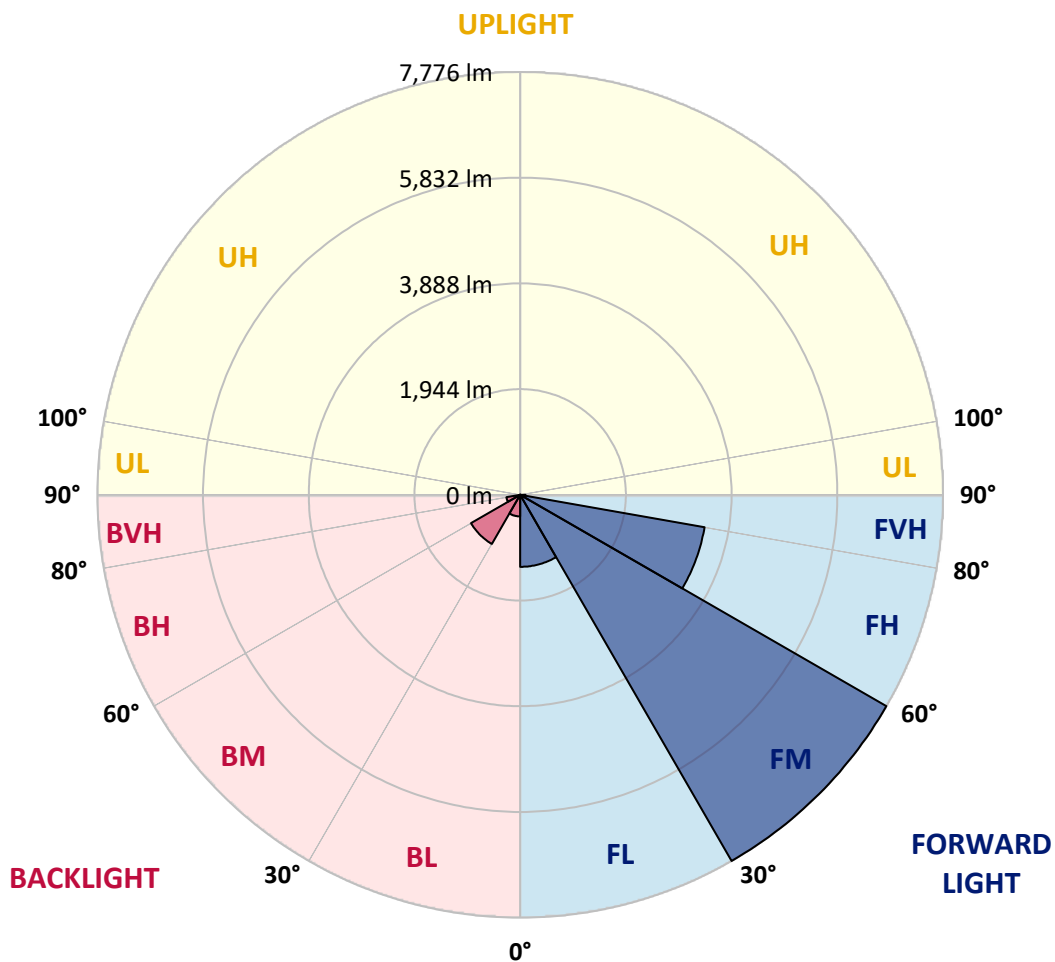
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1324.4	9.2			
FM	(30°-60°)	7776.1	54.2			
FH	(60°-80°)	3443.7	24.0			G2/5000
FVH	(80°-90°)	97.0	0.7			G1/100
BL	(0°-30°)	397.1	2.8	B1/500		
BM	(30°-60°)	1042.5	7.3	B2/2500		
BH	(60°-80°)	257.4	1.8	B1/500		G1/500
BVH	(80°-90°)	5.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type II Short





REPORT NUMBER: P1457968

CATALOG NUMBER: GLAN-SB5B-930-U-T2LG-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1
2.5°	2598.8	2590.2	2581.6	2568.7	2551.5	2534.3	2512.8	2482.6	2469.7	2426.7	2375.1
5°	2732.2	2732.2	2727.9	2719.3	2710.7	2693.5	2667.7	2628.9	2611.7	2551.5	2461.1
7.5°	2766.6	2770.9	2783.8	2801.0	2826.9	2822.6	2822.6	2779.5	2770.9	2706.4	2585.9
10°	2706.4	2710.7	2745.1	2792.4	2869.9	2943.0	2994.7	2968.9	2955.9	2891.4	2740.8
12.5°	2620.3	2620.3	2676.3	2749.4	2869.9	3007.6	3158.2	3184.0	3188.3	3115.1	2934.4
15°	2396.6	2405.2	2495.6	2641.8	2839.8	3054.9	3308.8	3407.7	3433.5	3386.2	3171.1
17.5°	2099.7	2108.3	2198.7	2396.6	2693.5	3054.9	3437.8	3665.9	3700.3	3708.9	3472.3
20°	1974.9	1974.9	2026.6	2177.2	2487.0	2973.2	3515.3	3941.3	4018.7	4113.4	3803.6
22.5°	1992.1	1992.1	2022.3	2108.3	2357.9	2861.3	3562.6	4186.5	4345.7	4586.7	4229.5
25°	2086.8	2086.8	2112.6	2168.6	2370.8	2844.1	3653.0	4405.9	4659.8	5115.9	4715.7
27.5°	2237.4	2233.1	2254.6	2310.5	2495.6	2925.8	3803.6	4625.4	4909.4	5709.7	5275.1
30°	2456.8	2443.9	2452.5	2517.1	2697.8	3115.1	4023.0	4905.1	5193.3	6359.4	5894.7
32.5°	2964.5	2960.2	2835.5	2801.0	2994.7	3420.6	4324.2	5253.6	5576.3	7047.8	6531.5
35°	3881.0	3941.3	3764.8	3313.1	3351.8	3829.4	4754.5	5726.9	6023.8	7779.2	7224.2
37.5°	4810.4	4810.4	4737.3	4203.7	3932.7	4281.2	5219.2	6213.1	6522.9	8368.7	7891.1
40°	5546.2	5584.9	5498.8	5098.7	4745.9	4797.5	5683.8	6639.0	6923.0	8730.1	8364.4
42.5°	6092.6	6084.0	6049.6	5787.1	5589.2	5473.0	6105.5	6957.4	7228.5	8915.2	8661.3
45°	6682.1	6682.1	6634.7	6419.6	6256.1	6157.1	6419.6	7224.2	7508.2	9027.0	8846.3
47.5°	7297.3	7288.7	7241.4	7004.8	6828.4	6682.1	6738.0	7396.3	7680.3	8953.9	8876.4
50°	7447.9	7439.3	7546.9	7555.5	7396.3	7116.6	6991.9	7542.6	7792.2	8958.2	8971.1
52.5°	7271.5	7323.2	7482.4	7676.0	7856.7	7564.1	7262.9	7774.9	8033.1	9078.7	9207.7
55°	6832.7	6854.2	7159.7	7469.5	7891.1	7994.4	7697.5	8145.0	8373.0	9194.8	9418.6
57.5°	6015.1	6096.9	6423.9	6961.7	7602.8	8033.1	8454.8	8764.6	8936.7	9242.2	9302.4
60°	4539.3	4582.4	5292.3	5989.3	7004.8	7723.3	9160.4	9814.4	9792.9	8708.6	8489.2
62.5°	2762.3	2801.0	3308.8	4414.6	5692.4	7077.9	9397.1	10989.1	10872.9	7809.4	7146.8
64°	2250.3	2323.4	2637.5	3584.1	4681.3	6402.4	9328.2	11088.0	10997.7	7228.5	6368.0
65°	1923.3	2022.3	2345.0	3110.8	3980.0	5675.2	9138.9	10812.6	10752.4	6875.7	5722.6
67.5°	1209.1	1256.4	1734.0	2418.1	2740.8	3631.5	7856.7	9349.7	9457.3	6127.0	4220.9
70°	899.3	920.8	1191.8	1871.7	2138.4	2112.6	5395.6	7572.7	7598.5	4900.8	2547.2
72.5°	654.0	658.3	834.7	1385.5	1673.7	1441.4	2844.1	5627.9	5442.9	2869.9	1389.8
75°	434.6	451.8	585.2	976.7	1303.7	1058.5	1295.1	3205.5	3149.6	1402.7	796.0
77.5°	318.4	322.7	395.8	654.0	1024.0	778.8	783.1	1381.2	1424.2	834.7	503.4
80°	180.7	189.3	258.2	400.1	666.9	533.5	438.9	666.9	765.9	568.0	335.6
82.5°	107.6	116.2	185.0	262.5	456.1	219.4	223.7	365.7	456.1	408.8	180.7
85°	64.5	68.8	116.2	142.0	271.1	146.3	81.8	180.7	236.6	241.0	99.0
87.5°	43.0	43.0	64.5	60.2	77.4	68.8	34.4	47.3	60.2	81.8	38.7
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: P1457968

CATALOG NUMBER: GLAN-SB5B-930-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1	2319.1
2.5°	2332.1	2306.2	2228.8	2125.5	2030.9	1957.7	1867.4	1807.1	1751.2	1751.2	1703.9
5°	2388.0	2319.1	2129.8	1893.2	1639.3	1398.4	1243.5	1071.4	1015.4	968.1	976.7
7.5°	2482.6	2357.9	2022.3	1596.3	1191.8	933.7	761.6	684.1	649.7	628.2	632.5
10°	2598.8	2426.7	1893.2	1295.1	877.7	684.1	602.4	572.3	559.3	555.0	555.0
12.5°	2758.0	2508.5	1764.1	1041.2	692.7	589.5	546.4	529.2	516.3	507.7	507.7
15°	2947.3	2611.7	1613.5	856.2	606.7	542.1	507.7	490.5	473.3	469.0	469.0
17.5°	3188.3	2719.3	1480.1	735.8	563.7	507.7	473.3	451.8	438.9	434.6	434.6
20°	3455.1	2852.7	1346.7	666.9	533.5	473.3	438.9	421.7	408.8	400.1	404.5
22.5°	3795.0	3020.5	1260.7	632.5	507.7	443.2	408.8	391.5	378.6	370.0	374.3
25°	4169.3	3231.3	1213.4	632.5	490.5	421.7	382.9	365.7	352.8	344.2	344.2
27.5°	4625.4	3468.0	1217.7	658.3	486.2	404.5	361.4	344.2	331.3	318.4	318.4
30°	5128.8	3747.6	1265.0	705.6	494.8	387.2	344.2	318.4	309.8	296.9	296.9
32.5°	5662.3	4070.3	1385.5	765.9	486.2	365.7	318.4	296.9	284.0	275.4	275.4
35°	6226.0	4436.1	1536.1	791.7	443.2	335.6	296.9	275.4	266.8	262.5	258.2
37.5°	6763.8	4754.5	1617.8	740.1	387.2	309.8	271.1	249.6	245.3	236.6	236.6
40°	7181.2	5016.9	1570.5	632.5	357.1	284.0	249.6	228.0	219.4	210.8	210.8
42.5°	7426.4	5111.6	1398.4	537.8	335.6	258.2	228.0	206.5	197.9	193.6	193.6
45°	7568.4	5098.7	1196.1	481.9	314.1	236.6	206.5	193.6	180.7	176.4	172.1
47.5°	7564.1	4965.3	1049.9	434.6	292.6	219.4	193.6	180.7	167.8	163.5	163.5
50°	7534.0	4767.4	886.4	400.1	275.4	206.5	180.7	172.1	159.2	154.9	150.6
52.5°	7607.1	4655.5	740.1	378.6	253.9	197.9	176.4	163.5	146.3	142.0	142.0
55°	7697.5	4591.0	593.8	357.1	236.6	193.6	167.8	154.9	137.7	133.4	133.4
57.5°	7435.0	4345.7	490.5	322.7	215.1	185.0	159.2	150.6	133.4	120.5	120.5
60°	6608.9	3592.7	404.5	284.0	197.9	172.1	150.6	137.7	120.5	103.3	103.3
62.5°	5374.0	2740.8	335.6	241.0	185.0	159.2	137.7	124.8	103.3	81.8	81.8
64°	4668.4	2327.8	301.2	210.8	176.4	146.3	124.8	111.9	90.4	68.8	64.5
65°	4186.5	2056.7	279.7	197.9	172.1	137.7	120.5	107.6	81.8	64.5	60.2
67.5°	2947.3	1381.2	223.7	163.5	150.6	116.2	103.3	90.4	73.1	55.9	51.6
70°	1716.8	783.1	176.4	137.7	116.2	90.4	86.1	81.8	64.5	43.0	43.0
72.5°	933.7	391.5	133.4	111.9	90.4	64.5	73.1	64.5	51.6	34.4	30.1
75°	572.3	241.0	99.0	81.8	60.2	47.3	55.9	47.3	30.1	21.5	17.2
77.5°	382.9	154.9	73.1	55.9	38.7	30.1	38.7	25.8	12.9	4.3	4.3
80°	236.6	107.6	47.3	34.4	21.5	12.9	8.6	4.3	4.3	0.0	0.0
82.5°	103.3	68.8	25.8	17.2	8.6	4.3	4.3	0.0	0.0	0.0	0.0
85°	55.9	21.5	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.2	8.6	4.3	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**

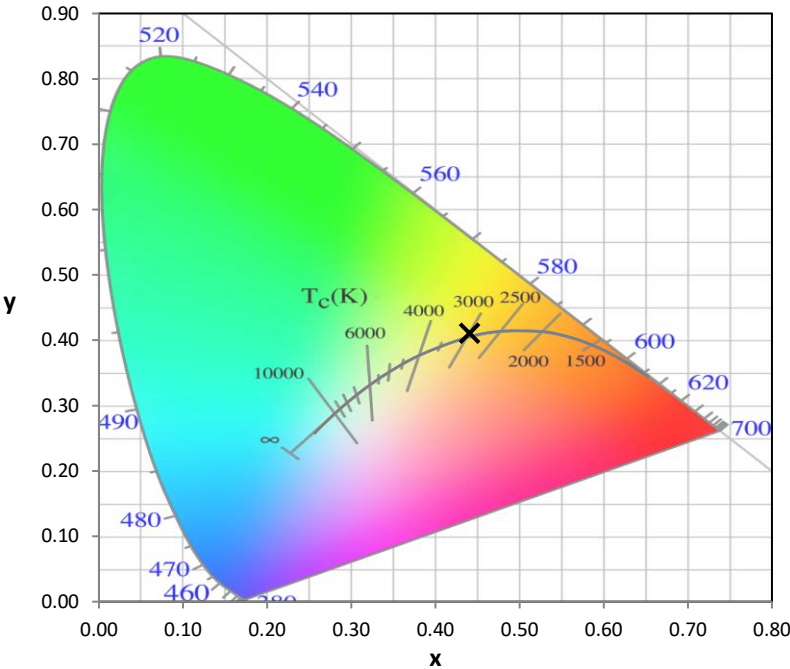
Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

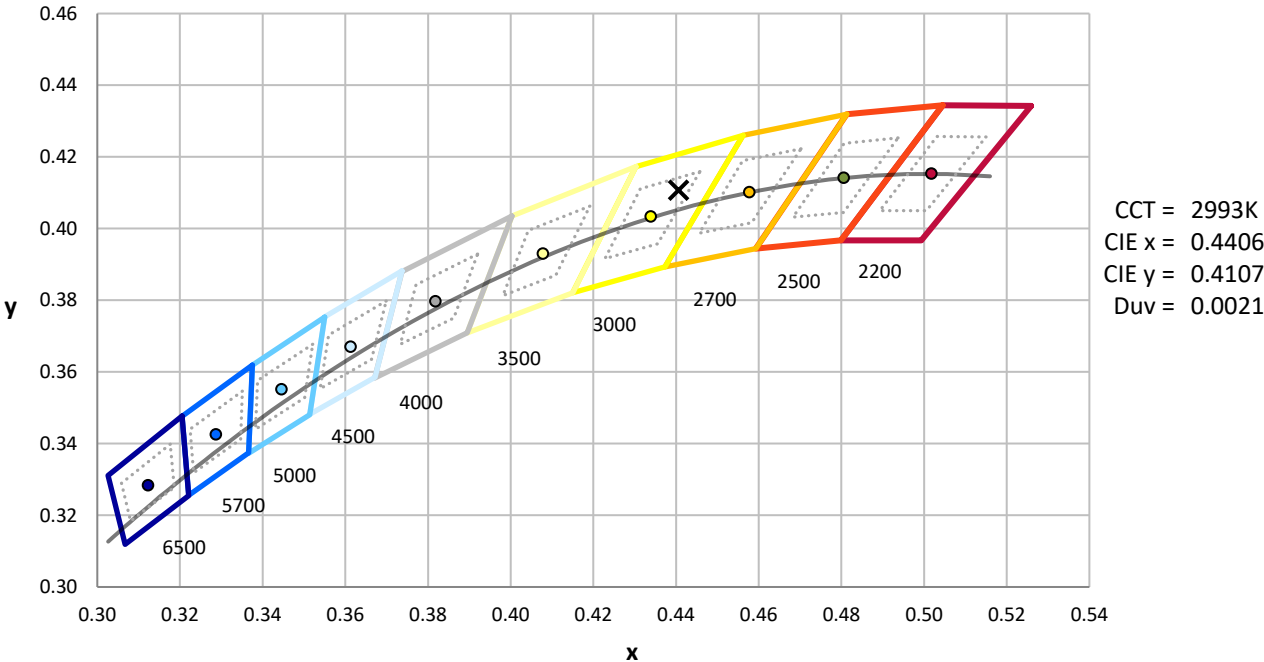
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-14

CIE 1931 Chromaticity Diagram



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



CCT = 2993K  
 CIE x = 0.4406  
 CIE y = 0.4107  
 Duv = 0.0021

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

**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			

REPORT NUMBER: SP1-2407-184-14

**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			

REPORT NUMBER: SP1-2407-184-14

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			

REPORT NUMBER: SP1-2407-184-14

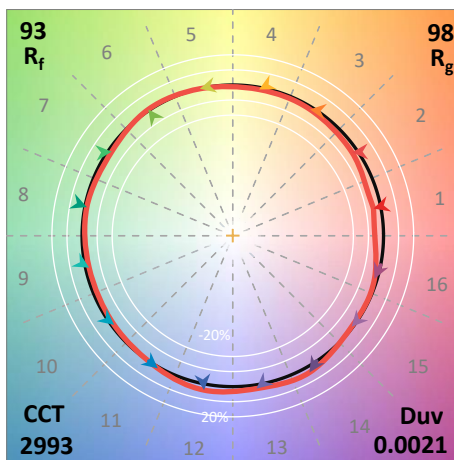
TM-30-18

**Summary**

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



**Color Vector Graphics**

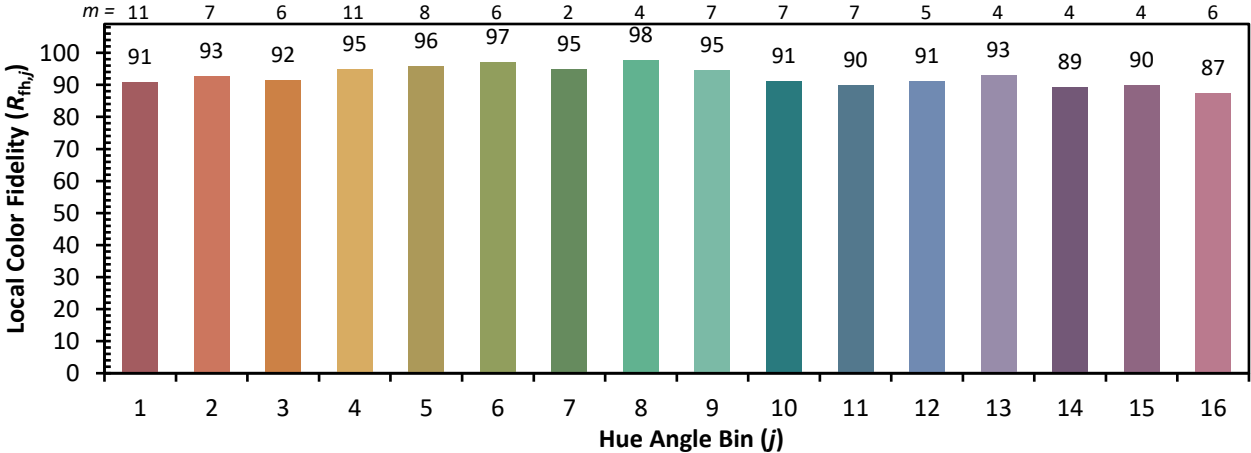


Individual Sample Fidelity Index ( $R_{f,i}$ )

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)