

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: P1459014

Luminaire Tested: GLAN-SB5D-840-U-T4LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1459014  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-840-U-T4LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 5xLight Square PACKAGE 80CRI 4000K FIXTURE w/ TYPE IV LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (130) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

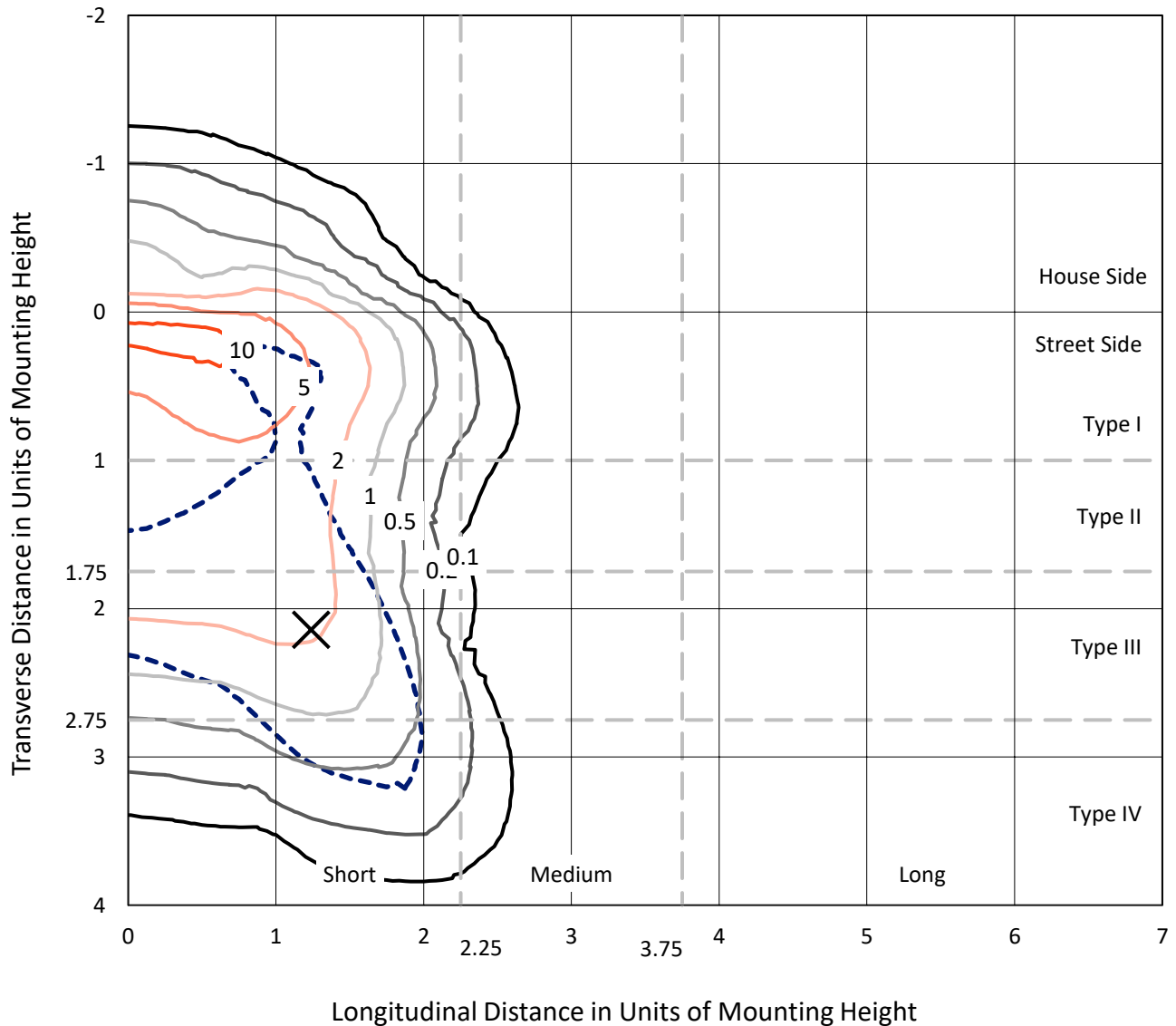
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35649.2 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 364.9  
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: P1459014  
 CATALOG NUMBER: GLAN-SB5D-840-U-T4LG-HSS

### Iso-Footcandle Lines of Horizontal Illumination

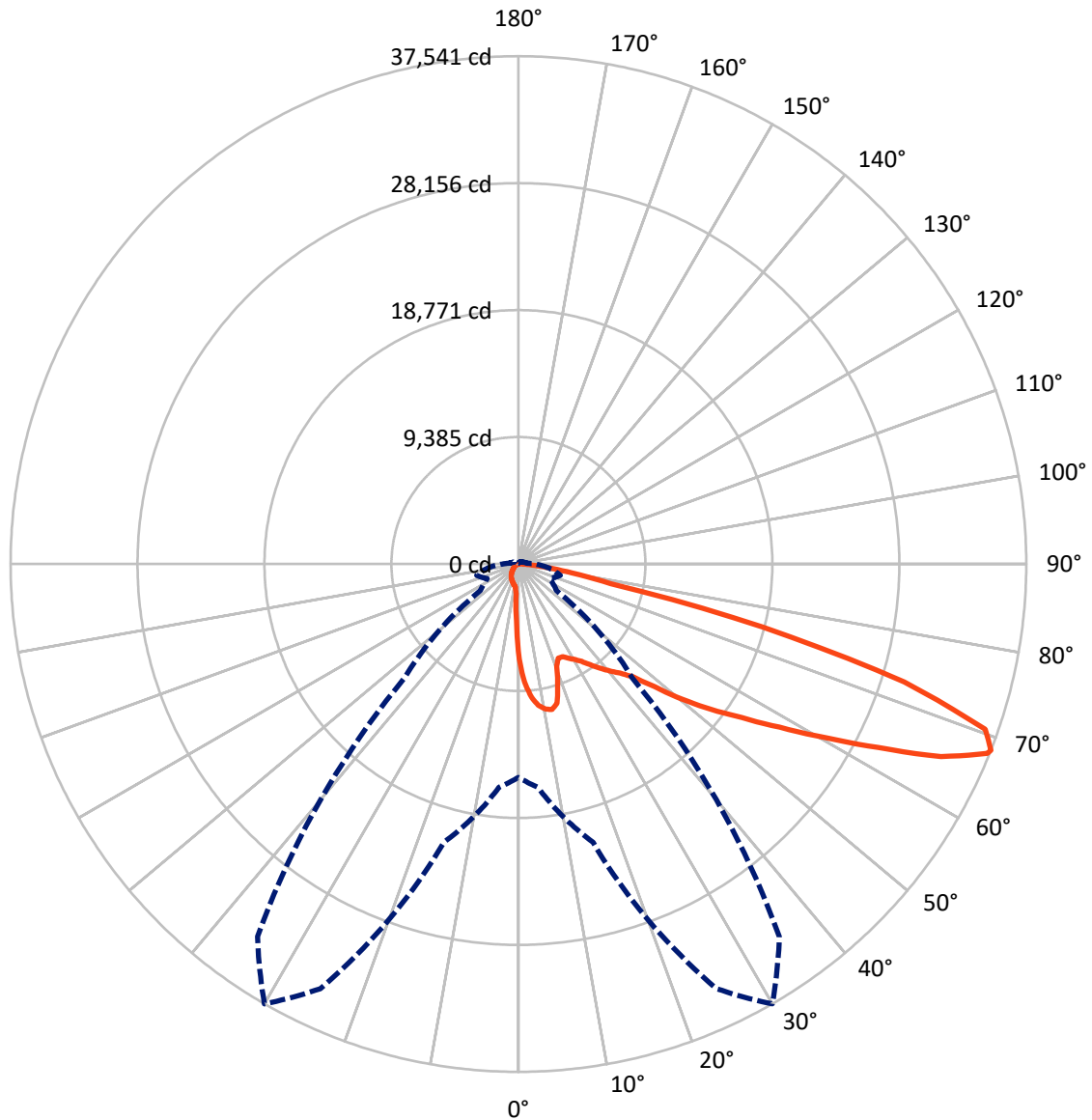
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.9 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	2720.9	0.0	2720.9
	% Fixture	7.6	0.0	7.6
<b>Street Side</b>	Lumens	32928.2	0.0	32928.2
	% Fixture	92.4	0.0	92.4
<b>Total</b>	Lumens	35649.2	0.0	35649.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	606.6	1.7
10°-20°	1731.7	4.9
20°-30°	2721.3	7.6
30°-40°	4268.2	12.0
40°-50°	6379.7	17.9
50°-60°	8487.1	23.8
60°-70°	8204.4	23.0
70°-80°	2949.2	8.3
80°-90°	301.0	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°	35649.2	100.0
0°-180°	35649.2	100.0



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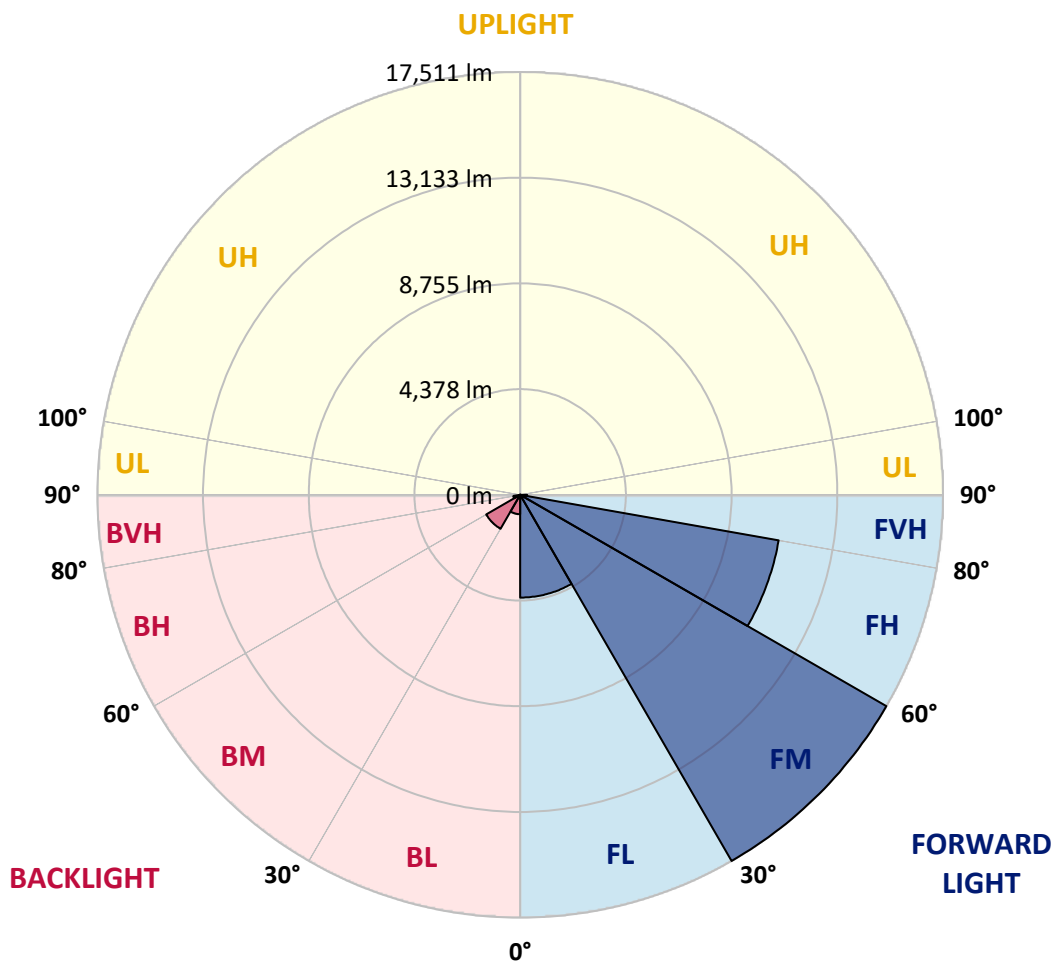
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4256.5	11.9			
FM	(30°-60°)	17510.9	49.1			
FH	(60°-80°)	10870.6	30.5			G4/12000
FVH	(80°-90°)	290.3	0.8			G3/500
BL	(0°-30°)	803.1	2.3	B2/1000		
BM	(30°-60°)	1624.1	4.6	B2/2500		
BH	(60°-80°)	283.0	0.8	B1/500		G1/500
BVH	(80°-90°)	10.7	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	30°	35°	45°	55°	65°	75°	85°
0°	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6
2.5°	8984.6	8984.6	8920.5	8835.1	8738.9	8706.9	8525.3	8268.9	8001.8	7692.0	7243.3
5°	10138.4	10127.7	9999.5	9999.5	9871.3	9753.8	9572.2	9198.3	8771.0	8215.4	7435.6
7.5°	10651.2	10672.6	10619.2	10619.2	10544.4	10458.9	10352.1	9988.9	9486.8	8738.9	7627.9
10°	10832.8	10843.5	10843.5	10918.3	10896.9	10886.3	10875.6	10672.6	10149.1	9273.1	7830.8
12.5°	10394.8	10448.2	10597.8	10929.0	11035.8	11153.3	11313.6	11249.5	10886.3	9946.1	8140.7
15°	8984.6	8995.3	9412.0	10234.6	10672.6	11121.3	11740.9	11869.1	11634.1	10672.6	8461.2
17.5°	7414.2	7446.2	7777.4	8696.2	9401.3	10437.6	11986.6	12510.1	12424.7	11388.4	8760.3
20°	6762.5	6805.2	6965.5	7542.4	8076.6	9038.1	11740.9	13119.1	13151.1	12104.2	9038.1
22.5°	6612.9	6645.0	6773.2	7221.9	7553.1	8194.1	10907.6	13599.8	13973.7	12926.8	9369.2
25°	6570.2	6602.3	6794.6	7286.0	7595.8	8130.0	10149.1	13856.2	14945.9	13781.4	9689.7
27.5°	6538.2	6580.9	6890.7	7521.0	7884.3	8397.1	10010.2	13909.6	15875.4	14689.5	10213.2
30°	6580.9	6645.0	7051.0	7766.7	8183.4	8760.3	10341.4	13963.0	16900.9	15725.8	10875.6
32.5°	6751.8	6805.2	7296.7	8097.9	8578.7	9230.4	10907.6	14283.5	17873.1	16783.4	11505.9
35°	6944.1	7018.9	7606.5	8568.0	9144.9	9882.0	11676.8	14913.9	18802.6	17787.7	12157.6
37.5°	7179.2	7264.6	7969.7	9102.2	9764.5	10597.8	12510.1	15789.9	19625.2	18610.3	12809.3
40°	7499.7	7595.8	8386.4	9668.4	10384.1	11217.4	13332.7	16655.2	20255.5	19101.7	13236.6
42.5°	8760.3	8888.5	9219.7	10223.9	11025.1	11879.8	14144.7	17477.8	20490.5	19262.0	13322.0
45°	11110.6	11238.8	11153.3	11345.6	11879.8	12681.1	15031.4	18268.4	20522.6	19219.2	13279.3
47.5°	13471.6	13621.2	13546.4	13439.6	13557.1	13941.7	16024.9	18770.5	20351.6	19197.9	13279.3
50°	15725.8	15640.3	15651.0	15619.0	15725.8	15928.8	16986.4	18866.7	20308.9	19400.8	13396.8
52.5°	16933.0	16975.7	17242.8	17638.1	17873.1	18076.1	18086.8	19016.2	19999.1	19059.0	13257.9
55°	18118.8	18204.3	18823.9	19497.0	20020.5	20405.1	19187.2	18920.1	18150.9	17915.9	12531.5
57.5°	19454.3	19571.8	20447.8	21836.6	22755.4	22958.4	20276.9	17125.3	15362.6	16281.3	11121.3
60°	21291.8	21430.7	22595.1	24678.4	26045.8	25629.2	20362.3	14272.9	12200.3	13514.3	9176.9
62.5°	22734.0	23011.8	25116.4	28364.1	29870.4	28545.7	18770.5	10939.7	8525.3	9497.4	6698.4
65°	21195.6	21729.8	25159.1	32584.0	34325.4	31975.1	16270.6	7467.6	4807.5	6142.9	4284.0
67.5°	17136.0	17883.8	22338.7	34635.2	37380.8	33780.5	12809.3	3963.5	2756.3	3568.2	2254.2
68°	15768.5	16580.4	21302.5	34635.2	37541.0	33620.3	11890.5	3429.3	2542.6	3205.0	1955.0
70°	10896.9	11473.8	16377.5	32690.8	36600.9	30650.3	7830.8	1965.7	1912.3	2200.8	1292.7
72.5°	5341.6	5961.3	8760.3	25907.0	29817.0	23556.6	3568.2	1303.4	1452.9	1613.2	1014.9
75°	2126.0	2254.2	3450.7	12777.2	18631.6	15031.4	1869.6	982.9	1249.9	1260.6	801.2
77.5°	1217.9	1292.7	1912.3	4700.6	6986.9	6719.8	1207.2	705.1	993.5	908.1	523.5
80°	683.7	694.4	1079.0	2478.5	3995.5	3578.9	822.6	512.8	758.5	641.0	352.5
82.5°	341.9	384.6	683.7	1367.5	2222.1	2275.5	438.0	363.2	608.9	459.4	288.4
85°	245.7	267.1	491.4	758.5	1025.6	1538.4	267.1	181.6	459.4	309.8	203.0
87.5°	128.2	160.2	309.8	373.9	416.6	523.5	128.2	85.5	256.4	181.6	106.8
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: P1459014

CATALOG NUMBER: GLAN-SB5D-840-U-T4LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6	7029.6
2.5°	7029.6	6783.9	6281.8	5694.2	5234.8	4764.7	4380.1	4016.9	3846.0	3824.6	3867.3
5°	6997.5	6463.4	5320.3	4198.5	3279.8	2638.8	2286.2	2104.6	2008.5	1965.7	1976.4
7.5°	6933.4	6121.5	4294.7	2841.8	2126.0	1848.2	1762.7	1730.7	1720.0	1720.0	1720.0
10°	6869.3	5662.1	3290.4	2083.2	1741.4	1666.6	1645.2	1645.2	1634.5	1634.5	1645.2
12.5°	6837.3	5234.8	2553.3	1741.4	1623.9	1591.8	1570.4	1559.8	1559.8	1559.8	1570.4
15°	6762.5	4764.7	2061.9	1613.2	1549.1	1506.3	1495.7	1485.0	1485.0	1485.0	1485.0
17.5°	6698.4	4305.4	1794.8	1527.7	1474.3	1431.6	1420.9	1410.2	1410.2	1420.9	1420.9
20°	6602.3	3867.3	1613.2	1442.2	1399.5	1356.8	1346.1	1335.4	1346.1	1346.1	1346.1
22.5°	6484.8	3504.1	1506.3	1378.1	1324.7	1282.0	1282.0	1282.0	1282.0	1282.0	1292.7
25°	6410.0	3247.7	1431.6	1303.4	1249.9	1217.9	1207.2	1207.2	1228.6	1228.6	1239.3
27.5°	6527.5	3183.6	1442.2	1282.0	1185.8	1153.8	1143.1	1143.1	1164.5	1175.2	1185.8
30°	6880.0	3301.1	1570.4	1346.1	1143.1	1089.7	1079.0	1079.0	1111.1	1121.7	1132.4
32.5°	7286.0	3546.8	1762.7	1431.6	1111.1	1025.6	1004.2	1004.2	1036.3	1047.0	1057.6
35°	7841.5	3931.4	2019.1	1506.3	1132.4	961.5	918.8	918.8	940.1	961.5	972.2
37.5°	8557.3	4561.8	2318.3	1559.8	1132.4	886.7	833.3	822.6	844.0	844.0	854.7
40°	9305.1	5384.4	2628.1	1559.8	1079.0	811.9	758.5	726.5	737.1	726.5	737.1
42.5°	9721.8	6046.7	2895.2	1463.6	1014.9	737.1	683.7	641.0	630.3	608.9	619.6
45°	9956.8	6345.9	2820.4	1356.8	950.8	683.7	619.6	566.2	544.8	512.8	512.8
47.5°	9956.8	6377.9	2414.4	1271.3	886.7	641.0	555.5	502.1	470.1	438.0	448.7
50°	9839.3	6089.5	1912.3	1185.8	811.9	598.3	502.1	459.4	416.6	395.3	395.3
52.5°	9347.9	5149.3	1463.6	1079.0	726.5	544.8	448.7	406.0	363.2	352.5	352.5
55°	8503.9	3781.9	1185.8	972.2	651.7	502.1	406.0	373.9	331.2	309.8	309.8
57.5°	6912.1	2585.4	982.9	876.0	576.9	448.7	363.2	331.2	277.8	256.4	256.4
60°	5128.0	1688.0	833.3	769.2	491.4	406.0	320.5	277.8	235.0	213.7	203.0
62.5°	3461.4	1143.1	694.4	608.9	416.6	352.5	277.8	235.0	181.6	138.9	138.9
65°	2158.0	886.7	576.9	480.7	363.2	309.8	235.0	181.6	128.2	96.1	85.5
67.5°	1239.3	715.8	470.1	373.9	309.8	245.7	181.6	149.6	106.8	74.8	64.1
68°	1143.1	683.7	438.0	352.5	288.4	235.0	170.9	138.9	96.1	64.1	64.1
70°	929.4	608.9	373.9	288.4	245.7	192.3	149.6	117.5	74.8	42.7	42.7
72.5°	822.6	512.8	320.5	224.3	170.9	160.2	117.5	85.5	53.4	32.0	21.4
75°	673.0	406.0	256.4	170.9	117.5	117.5	85.5	53.4	21.4	0.0	0.0
77.5°	438.0	299.1	203.0	106.8	64.1	74.8	53.4	21.4	0.0	0.0	0.0
80°	288.4	224.3	138.9	53.4	32.0	32.0	10.7	0.0	0.0	0.0	0.0
82.5°	203.0	149.6	85.5	21.4	10.7	10.7	0.0	0.0	0.0	0.0	0.0
85°	128.2	64.1	32.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.4	21.4	10.7	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-11  
 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-840-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

**Spectral Parameters**

CCT (K): 3897  
 CIE u': 0.2249  
 CIE v': 0.5084  
 Duv: 0.0039  
 CIE x: 0.3882  
 CIE y: 0.3900  
 CIE z: 0.2218  
 Peak Wavelength (nm): 445  
 Dominant Wavelength (nm): 577  
 Purity: 33.54925  
 Rf: 81.8  
 Rg: 98.6

CRI (Ra):	80.2		
R1:	78.9	R9:	6.7
R2:	83.5	R10:	61.9
R3:	88.3	R11:	81.9
R4:	82.1	R12:	58.9
R5:	78.8	R13:	79.2
R6:	78.4	R14:	93.2
R7:	85.8	R15:	71.9
R8:	65.8		



**Test Conditions**

Stabilization Time: 24M  
 Operation Time: 1H 24M  
 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 4000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

**Summary**

$R_f = 81.8$   
 $R_g = 98.6$   
 CIE  $R_a = 80.2$   
 $R_9 = 6.7$



**Color Vector Graphics**

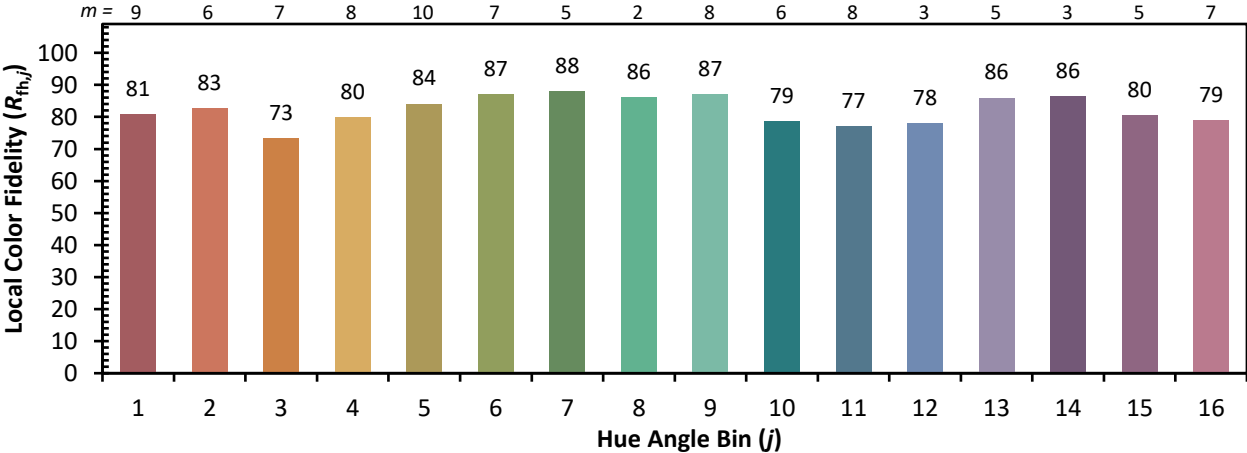


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)