

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: P1457275

Luminaire Tested: GLAN-SB3A-840-U-T4LG

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1457275  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-840-U-T4LG  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 350mA 3xLight Square  
PACKAGE 80CRI 4000K FIXTURE w/ TYPE IV LOW GLARE  
Light Source: (78) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

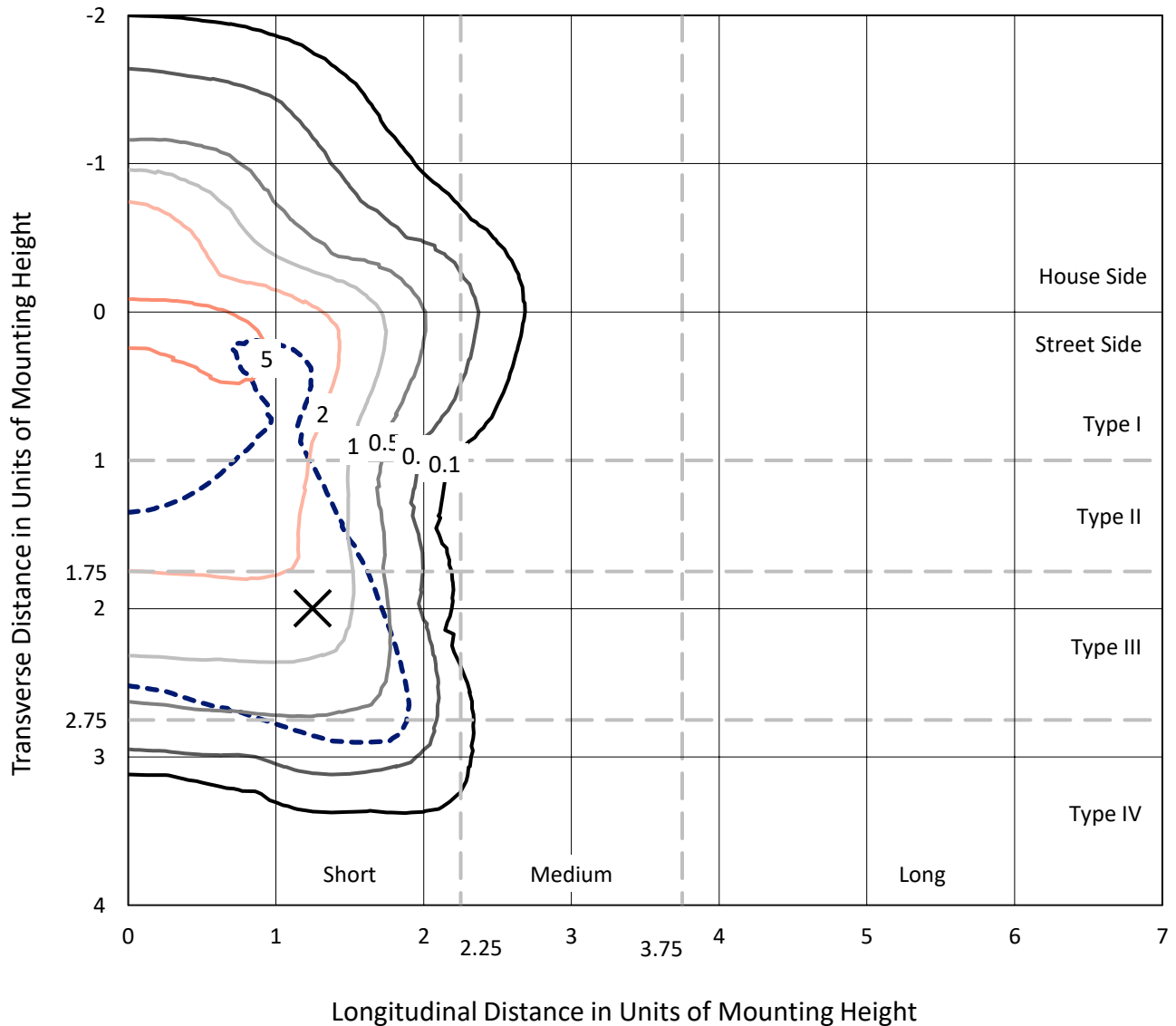
Lumens per Lamp: N/A  
Luminaire Lumens: 12597.5 lumens  
Efficiency: N/A  
Efficacy: 148.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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-SB3A-840-U-T4LG

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

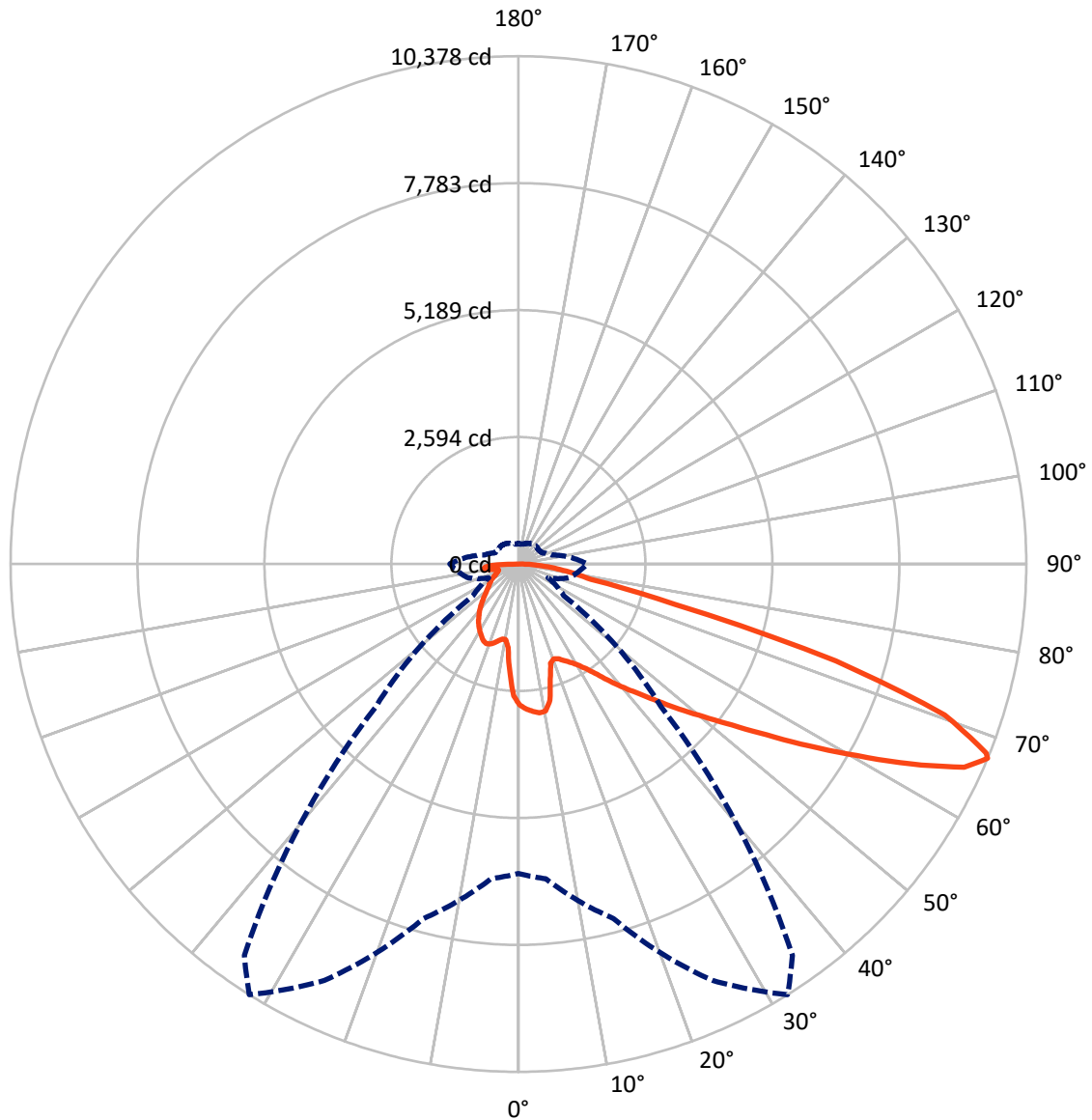


Based on 20 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Short - N/A

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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	2982.4	0.0	2982.4
	% Fixture	23.7	0.0	23.7
<b>Street Side</b>	Lumens	9615.1	0.0	9615.1
	% Fixture	76.3	0.0	76.3
<b>Total</b>	Lumens	12597.5	0.0	12597.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.5	2.0
10°-20°	667.7	5.3
20°-30°	1090.4	8.7
30°-40°	1607.2	12.8
40°-50°	2216.4	17.6
50°-60°	2800.0	22.2
60°-70°	2709.9	21.5
70°-80°	967.1	7.7
80°-90°	287.2	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°	12597.5	100.0
0°-180°	12597.5	100.0



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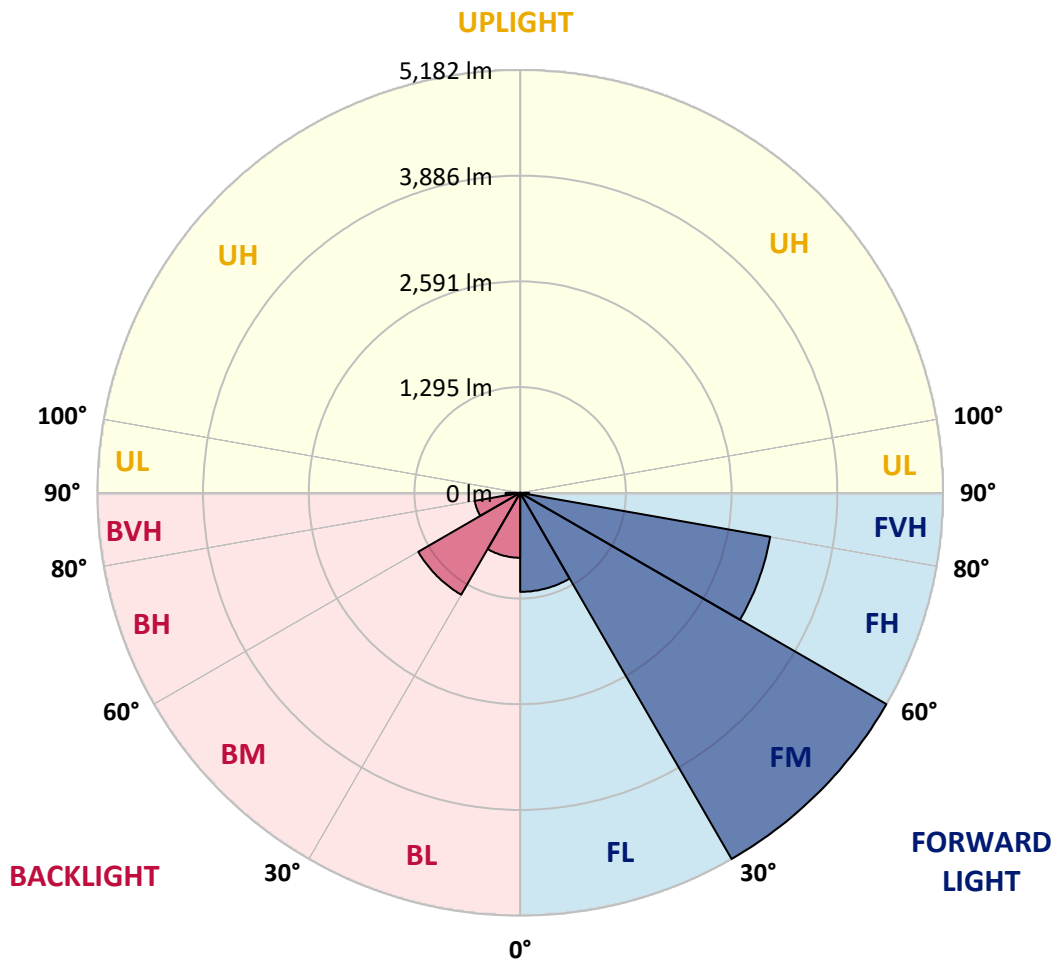
CATALOG NUMBER: GLAN-SB3A-840-U-T4LG

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1213.8	9.6			
FM	(30°-60°)	5181.8	41.1			
FH	(60°-80°)	3111.3	24.7			G2/5000
FVH	(80°-90°)	108.2	0.9			G2/225
BL	(0°-30°)	795.9	6.3	B2/1000		
BM	(30°-60°)	1441.9	11.4	B2/2500		
BH	(60°-80°)	565.7	4.5	B2/1000		G2/1000
BVH	(80°-90°)	179.0	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°	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3
2.5°	2987.4	2979.0	2970.6	2976.2	2965.0	2962.2	2948.2	2942.6	2925.8	2923.0	2892.3
5°	3048.9	3032.1	3029.3	3034.9	3023.7	3023.7	3012.6	3004.2	2979.0	2965.0	2920.2
7.5°	3048.9	3046.1	3051.7	3071.3	3074.1	3074.1	3074.1	3076.9	3051.7	3032.1	2962.2
10°	2875.5	2847.5	2909.1	3007.0	3054.5	3082.5	3132.8	3163.6	3144.0	3130.0	3034.9
12.5°	2358.0	2360.8	2458.7	2668.5	2858.7	2939.8	3149.6	3261.5	3269.9	3247.5	3127.2
15°	2000.0	2014.0	2064.3	2215.4	2433.5	2553.8	3051.7	3348.2	3415.3	3393.0	3239.1
17.5°	1890.9	1899.3	1921.7	2008.4	2131.4	2229.3	2786.0	3404.2	3591.6	3563.6	3365.0
20°	1874.1	1879.7	1907.7	1980.4	2064.3	2120.3	2514.7	3359.4	3756.6	3745.4	3479.7
22.5°	1876.9	1882.5	1918.9	2019.6	2106.3	2153.8	2427.9	3255.9	3930.0	3941.2	3597.2
25°	1882.5	1885.3	1941.2	2075.5	2184.6	2243.3	2483.9	3163.6	4075.5	4170.6	3725.8
27.5°	1913.3	1921.7	1997.2	2148.2	2276.9	2344.0	2615.4	3194.4	4234.9	4430.7	3879.7
30°	1997.2	2002.8	2095.1	2251.7	2391.6	2461.5	2772.0	3317.4	4430.7	4699.2	4030.7
32.5°	2128.6	2134.2	2240.5	2402.8	2553.8	2637.7	2976.2	3552.4	4648.9	4981.8	4181.8
35°	2310.5	2313.3	2433.5	2607.0	2766.4	2861.5	3213.9	3818.1	4875.5	5222.3	4293.7
37.5°	2525.8	2545.4	2668.5	2850.3	3037.7	3124.4	3493.7	4128.6	5076.9	5426.5	4358.0
40°	2822.3	2827.9	2948.2	3124.4	3323.0	3407.0	3773.4	4422.3	5297.8	5546.8	4416.7
42.5°	3127.2	3174.8	3275.5	3471.3	3619.5	3686.7	4092.3	4690.9	5474.1	5552.4	4391.6
45°	3535.6	3572.0	3672.7	3846.1	3994.4	4072.7	4436.3	4937.0	5563.6	5504.8	4335.6
47.5°	4002.8	4025.1	4106.2	4262.9	4427.9	4483.9	4794.3	5076.9	5597.1	5471.3	4310.4
50°	4553.8	4553.8	4612.5	4746.8	4897.8	4976.2	5124.4	5160.8	5695.0	5412.5	4374.8
52.5°	5018.1	5040.5	5118.8	5309.0	5460.1	5549.6	5381.8	5289.4	5496.4	5085.3	4394.4
55°	5462.9	5488.0	5664.3	5902.0	6159.4	6257.3	5703.4	5225.1	4827.9	4606.9	4260.1
57.5°	5888.0	5941.2	6162.2	6626.5	7015.3	7006.9	6111.8	4648.9	3941.2	4078.3	3966.4
60°	6481.0	6537.0	6889.4	7474.0	7949.6	7751.0	6117.4	3868.5	3071.3	3255.9	3415.3
62.5°	6976.1	7071.2	7588.7	8562.1	8998.5	8688.0	5611.1	2962.2	2039.1	2271.3	2640.5
65°	6931.4	7057.3	7860.0	9362.1	10013.9	9725.8	4869.9	1874.1	1051.7	1552.4	1848.9
67°	6321.6	6458.7	7499.2	9390.1	10377.5	9762.1	4111.8	1132.9	668.5	1076.9	1283.9
67.5°	5972.0	6173.4	7320.2	9337.0	10310.4	9608.3	3770.6	948.2	629.4	1001.4	1169.2
70°	3672.7	3997.2	5493.6	8254.4	9241.8	8041.9	2095.1	537.1	511.9	671.3	808.4
72.5°	1104.9	1202.8	2120.3	5295.0	6783.1	5960.8	942.6	414.0	458.7	539.9	623.8
75°	537.1	573.4	875.5	2165.0	3303.5	3286.7	525.9	355.2	425.2	453.1	492.3
77.5°	344.1	366.4	545.4	1211.2	1513.3	1348.2	380.4	310.5	377.6	372.0	366.4
80°	215.4	226.6	349.6	702.1	1116.1	931.5	279.7	254.5	324.5	288.1	260.1
82.5°	139.9	153.8	223.8	428.0	797.2	693.7	184.6	181.8	268.5	229.4	201.4
85°	92.3	103.5	142.7	251.7	472.7	495.1	120.3	125.9	207.0	173.4	153.8
87.5°	33.6	42.0	72.7	111.9	221.0	274.1	50.3	47.6	100.7	81.1	64.3
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-SB3A-840-U-T4LG

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3	2878.3
2.5°	2886.7	2878.3	2839.1	2805.6	2780.4	2746.8	2710.5	2668.5	2640.5	2646.1	2637.7
5°	2900.7	2878.3	2802.8	2688.1	2576.2	2436.3	2257.3	2151.0	2069.9	2027.9	2039.1
7.5°	2931.4	2892.3	2732.8	2500.7	2209.8	1924.5	1748.2	1647.5	1600.0	1580.4	1577.6
10°	2984.6	2917.4	2643.3	2209.8	1829.3	1636.3	1572.0	1544.0	1538.4	1538.4	1535.6
12.5°	3048.9	2942.6	2492.3	1927.3	1647.5	1577.6	1566.4	1569.2	1577.6	1586.0	1572.0
15°	3127.2	2953.8	2304.9	1756.6	1611.2	1594.4	1611.2	1630.8	1644.7	1655.9	1641.9
17.5°	3205.6	2942.6	2128.6	1675.5	1616.8	1639.1	1672.7	1703.5	1711.9	1728.7	1717.5
20°	3261.5	2903.5	1977.6	1644.7	1630.8	1681.1	1723.1	1756.6	1773.4	1784.6	1773.4
22.5°	3303.5	2853.1	1868.5	1614.0	1630.8	1692.3	1742.6	1781.8	1801.4	1812.6	1798.6
25°	3339.8	2783.2	1784.6	1569.2	1597.2	1655.9	1711.9	1751.0	1779.0	1795.8	1787.4
27.5°	3384.6	2727.2	1706.3	1502.1	1527.3	1583.2	1641.9	1689.5	1742.6	1770.6	1765.0
30°	3434.9	2699.3	1630.8	1429.4	1446.1	1502.1	1572.0	1636.3	1709.1	1745.4	1745.4
32.5°	3493.7	2679.7	1560.8	1359.4	1373.4	1434.9	1502.1	1560.8	1639.1	1697.9	1695.1
35°	3518.8	2657.3	1504.9	1295.1	1323.1	1373.4	1426.6	1465.7	1546.8	1616.8	1622.4
37.5°	3544.0	2648.9	1476.9	1244.7	1267.1	1306.3	1334.3	1353.8	1429.4	1502.1	1504.9
40°	3574.8	2688.1	1496.5	1211.2	1191.6	1230.8	1244.7	1255.9	1295.1	1342.6	1342.6
42.5°	3555.2	2716.1	1541.2	1180.4	1099.3	1144.0	1149.6	1146.8	1149.6	1152.4	1149.6
45°	3504.9	2688.1	1541.2	1132.9	1001.4	1048.9	1046.1	1032.2	1009.8	951.0	942.6
47.5°	3493.7	2671.3	1482.5	1054.5	903.5	942.6	948.2	920.3	855.9	794.4	774.8
50°	3541.2	2702.1	1390.2	959.4	819.6	853.1	867.1	819.6	746.8	682.5	671.3
52.5°	3611.1	2741.2	1255.9	855.9	749.6	783.2	800.0	746.8	671.3	621.0	615.4
55°	3602.8	2741.2	1104.9	760.8	696.5	721.7	749.6	693.7	635.0	607.0	604.2
57.5°	3420.9	2637.7	993.0	693.7	646.1	668.5	704.9	651.7	595.8	601.4	609.8
60°	3065.7	2369.2	909.1	648.9	601.4	623.8	662.9	601.4	528.7	509.1	509.1
62.5°	2525.8	1952.4	841.9	604.2	559.4	587.4	607.0	525.9	478.3	455.9	455.9
65°	1893.7	1510.5	772.0	567.8	523.1	553.8	531.5	492.3	444.8	428.0	430.8
67°	1404.2	1172.0	713.3	537.1	500.7	514.7	497.9	469.9	422.4	408.4	422.4
67.5°	1261.5	1113.3	699.3	528.7	495.1	506.3	489.5	467.1	416.8	402.8	416.8
70°	867.1	855.9	623.8	489.5	464.3	453.1	461.5	433.6	391.6	386.0	400.0
72.5°	660.1	682.5	559.4	455.9	430.8	416.8	436.4	408.4	366.4	374.8	388.8
75°	517.5	551.0	500.7	408.4	391.6	394.4	433.6	422.4	388.8	397.2	400.0
77.5°	383.2	444.8	428.0	355.2	341.3	380.4	489.5	523.1	464.3	450.3	430.8
80°	279.7	318.9	360.8	293.7	285.3	366.4	604.2	668.5	573.4	517.5	503.5
82.5°	207.0	223.8	296.5	235.0	207.0	327.3	671.3	786.0	682.5	576.2	559.4
85°	148.3	173.4	235.0	173.4	137.1	268.5	657.3	769.2	676.9	545.4	531.5
87.5°	53.1	75.5	100.7	78.3	69.9	184.6	542.7	553.8	422.4	193.0	195.8
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**

$\lambda$ (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	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			

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**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**

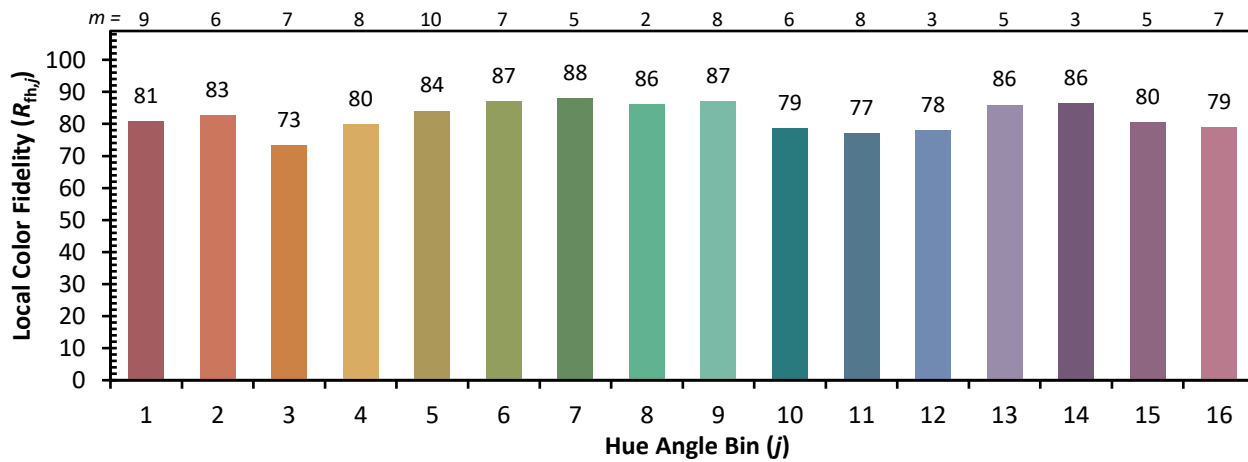


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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)