

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: P1457295

Luminaire Tested: GLAN-SB8A-840-U-T4LG

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1457295  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-840-U-T4LG  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 350mA 8xLight Square  
PACKAGE 80CRI 4000K FIXTURE w/ TYPE IV LOW GLARE  
Light Source: (208) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

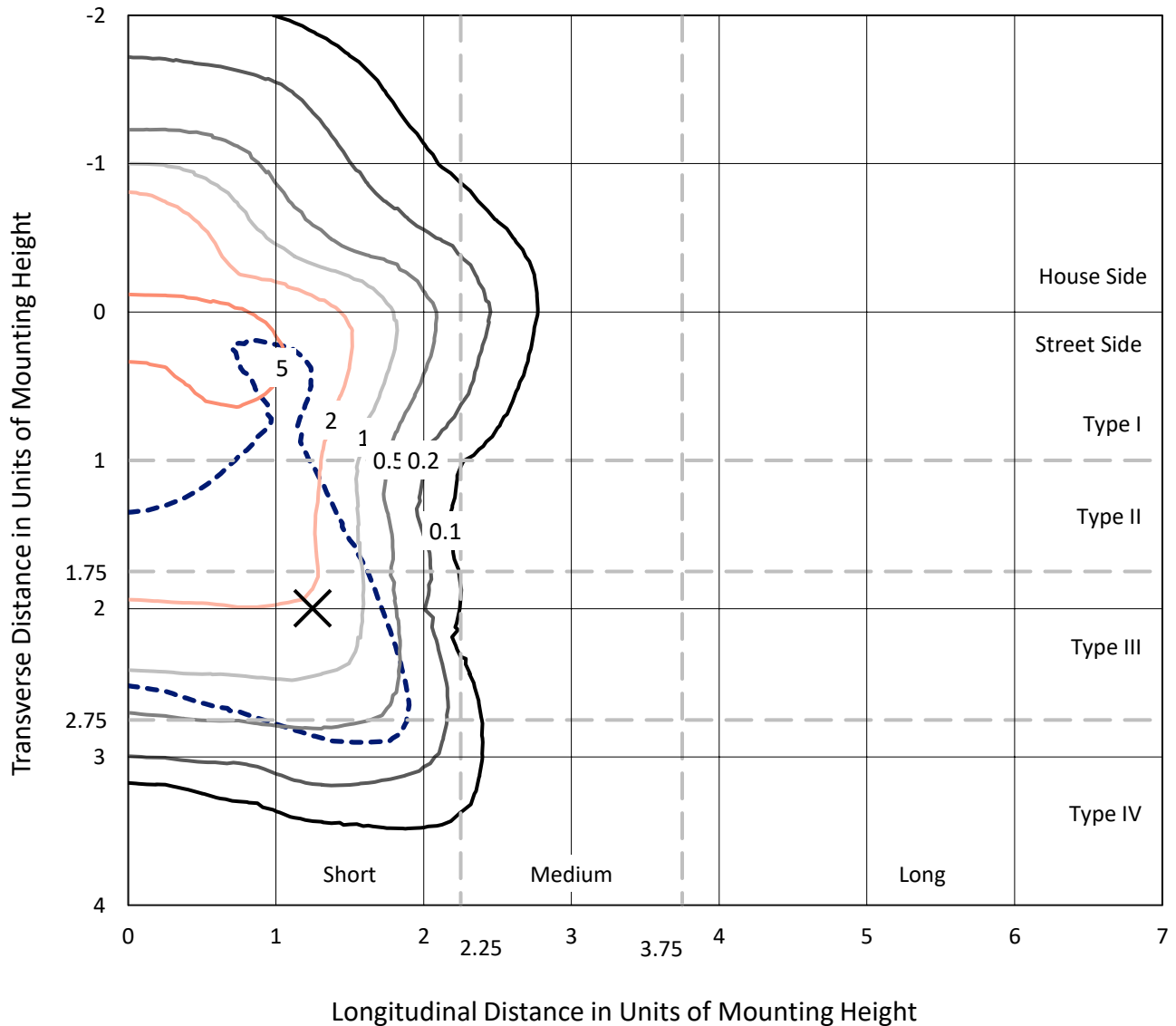
Lumens per Lamp: N/A  
Luminaire Lumens: 33951.2 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 227.1  
Input Voltage (V): 120  
Input Current (Ain): 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-SB8A-840-U-T4LG

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

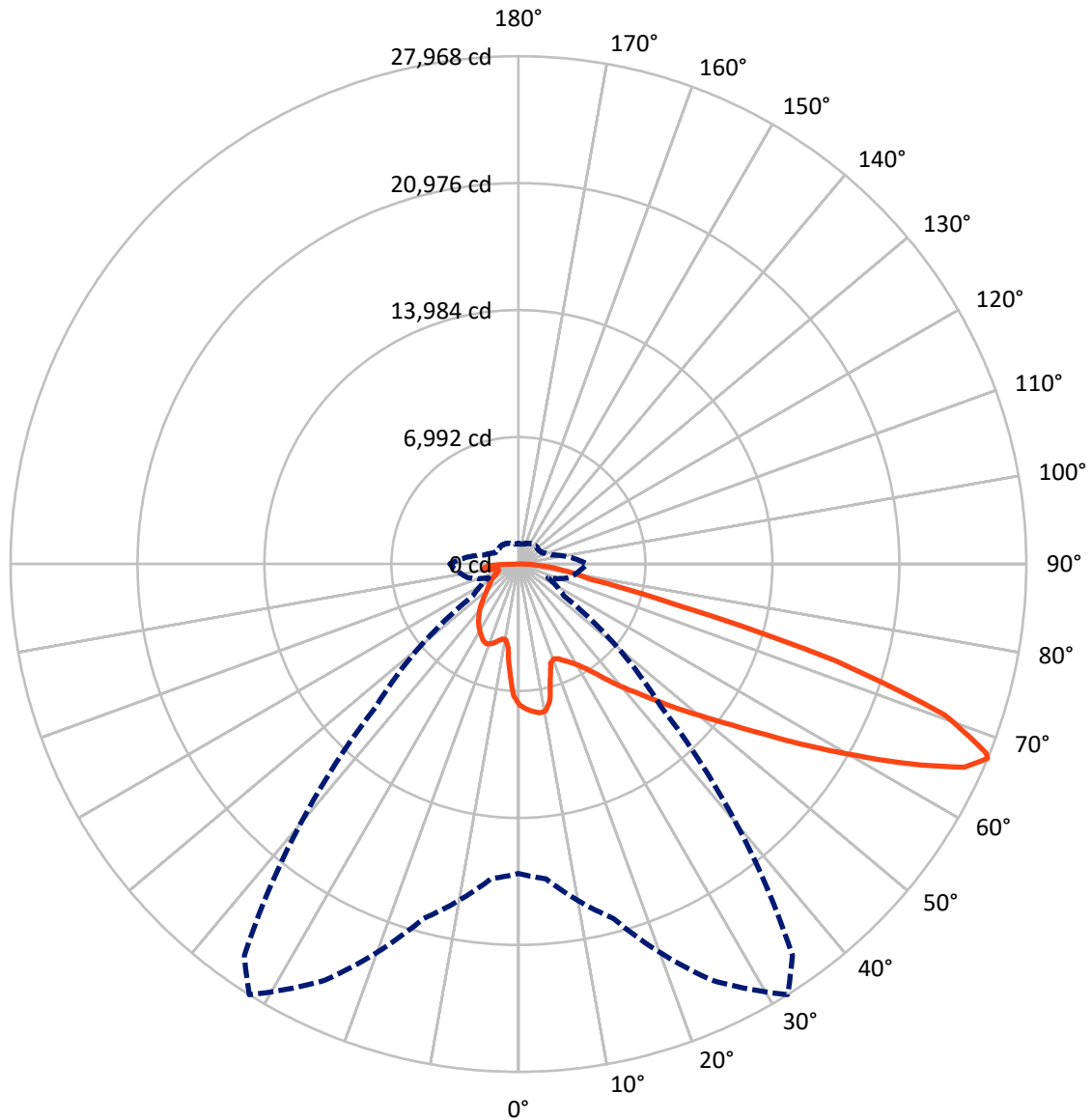


Based on 30 foot mounting height. Maximum calculated value = 9.3 fc  
 Type IV - Short - N/A

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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	8037.8	0.0	8037.8
	% Fixture	23.7	0.0	23.7
<b>Street Side</b>	Lumens	25913.4	0.0	25913.4
	% Fixture	76.3	0.0	76.3
<b>Total</b>	Lumens	33951.2	0.0	33951.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	677.8	2.0
10°-20°	1799.6	5.3
20°-30°	2938.8	8.7
30°-40°	4331.5	12.8
40°-50°	5973.4	17.6
50°-60°	7546.2	22.2
60°-70°	7303.4	21.5
70°-80°	2606.5	7.7
80°-90°	774.0	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°	33951.2	100.0
0°-180°	33951.2	100.0



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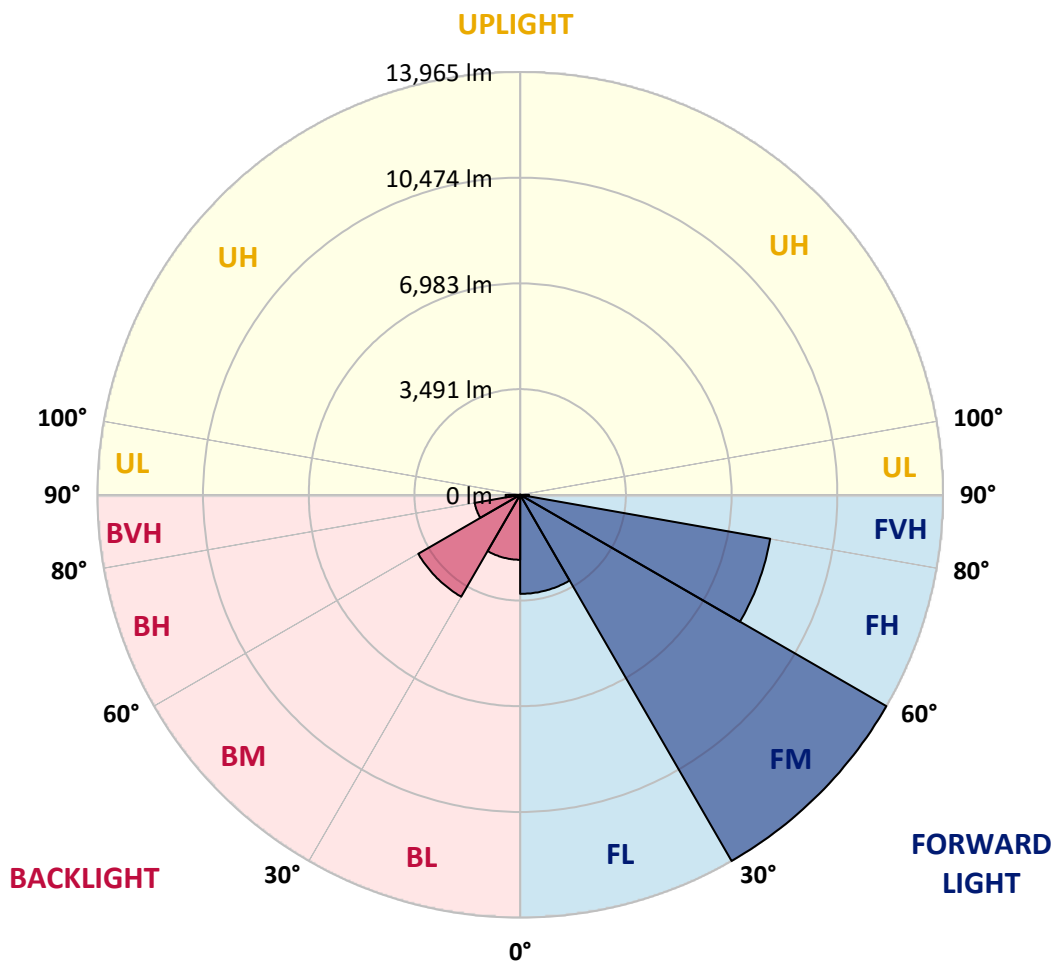
CATALOG NUMBER: GLAN-SB8A-840-U-T4LG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3271.3	9.6			
FM (30°-60°)	13965.2	41.1			
FH (60°-80°)	8385.2	24.7			G4/12000
FVH (80°-90°)	291.7	0.9			G3/500
BL (0°-30°)	2144.9	6.3	B3/2500		
BM (30°-60°)	3885.9	11.4	B3/5000		
BH (60°-80°)	1524.6	4.5	B3/2500		G3/2500
BVH (80°-90°)	482.4	1.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2
2.5°	8051.2	8028.6	8005.9	8021.0	7990.9	7983.3	7945.6	7930.6	7885.3	7877.8	7794.9
5°	8217.0	8171.8	8164.3	8179.3	8149.2	8149.2	8119.0	8096.4	8028.6	7990.9	7870.2
7.5°	8217.0	8209.5	8224.6	8277.3	8284.9	8284.9	8284.9	8292.4	8224.6	8171.8	7983.3
10°	7749.6	7674.2	7840.1	8103.9	8232.1	8307.5	8443.2	8526.1	8473.3	8435.6	8179.3
12.5°	6355.0	6362.5	6626.4	7191.8	7704.4	7923.0	8488.4	8790.0	8812.6	8752.3	8428.1
15°	5390.1	5427.8	5563.5	5970.5	6558.5	6882.7	8224.6	9023.6	9204.6	9144.3	8729.6
17.5°	5096.1	5118.7	5179.0	5412.7	5744.4	6008.2	7508.4	9174.4	9679.5	9604.1	9068.9
20°	5050.8	5065.9	5141.3	5337.3	5563.5	5714.2	6777.2	9053.8	10124.3	10094.1	9378.0
22.5°	5058.4	5073.4	5171.4	5442.8	5676.5	5804.7	6543.5	8774.9	10591.7	10621.8	9694.6
25°	5073.4	5081.0	5231.8	5593.6	5887.6	6045.9	6694.2	8526.1	10983.7	11240.0	10041.3
27.5°	5156.4	5179.0	5382.5	5789.6	6136.4	6317.3	7048.5	8609.0	11413.4	11941.1	10456.0
30°	5382.5	5397.6	5646.4	6068.5	6445.5	6633.9	7470.7	8940.7	11941.1	12664.8	10863.1
32.5°	5736.8	5751.9	6038.4	6475.6	6882.7	7108.9	8021.0	9574.0	12529.1	13426.2	11270.1
35°	6226.8	6234.4	6558.5	7025.9	7455.6	7711.9	8661.8	10290.1	13139.7	14074.5	11571.7
37.5°	6807.3	6860.1	7191.8	7681.8	8186.9	8420.6	9415.7	11126.9	13682.5	14624.8	11745.1
40°	7606.4	7621.5	7945.6	8420.6	8955.8	9182.0	10169.5	11918.4	14278.0	14948.9	11903.4
42.5°	8428.1	8556.3	8827.6	9355.3	9754.9	9935.8	11028.9	12642.1	14752.9	14964.0	11835.5
45°	9528.7	9626.7	9898.1	10365.5	10765.1	10976.1	11956.1	13305.5	14994.2	14835.9	11684.8
47.5°	10787.7	10848.0	11066.6	11488.8	11933.5	12084.3	12921.1	13682.5	15084.6	14745.4	11616.9
50°	12272.8	12272.8	12431.1	12792.9	13200.0	13411.1	13810.6	13908.6	15348.5	14587.1	11790.3
52.5°	13524.2	13584.5	13795.5	14308.2	14715.3	14956.5	14504.2	14255.4	14813.3	13705.1	11843.1
55°	14722.8	14790.6	15265.6	15906.3	16599.9	16863.7	15371.1	14082.0	13011.5	12416.0	11481.2
57.5°	15868.6	16011.9	16607.4	17858.8	18906.7	18884.1	16471.7	12529.1	10621.8	10991.2	10689.7
60°	17466.8	17617.6	18567.5	20143.0	21424.6	20889.3	16486.8	10425.8	8277.3	8774.9	9204.6
62.5°	18801.1	19057.5	20452.1	23075.5	24251.5	23414.7	15122.3	7983.3	5495.6	6121.3	7116.4
65°	18680.5	19019.8	21183.3	25231.5	26988.0	26211.5	13124.6	5050.8	2834.5	4183.9	4983.0
67°	17037.1	17406.5	20210.9	25306.9	27968.0	26309.5	11081.7	3053.1	1801.7	2902.3	3460.2
67.5°	16094.8	16637.6	19728.4	25163.7	27787.1	25894.9	10162.0	2555.6	1696.2	2698.8	3151.1
70°	9898.1	10772.6	14805.7	22246.3	24907.4	21673.3	5646.4	1447.4	1379.6	1809.3	2178.6
72.5°	2977.7	3241.6	5714.2	14270.5	18281.0	16064.7	2540.5	1115.7	1236.3	1454.9	1681.1
75°	1447.4	1545.4	2359.6	5834.8	8903.0	8857.8	1417.2	957.4	1145.9	1221.2	1326.8
77.5°	927.2	987.6	1470.0	3264.2	4078.4	3633.6	1025.2	836.8	1017.7	1002.6	987.6
80°	580.5	610.6	942.3	1892.2	3007.9	2510.3	753.9	686.0	874.5	776.5	701.1
82.5°	376.9	414.6	603.1	1153.4	2148.5	1869.6	497.5	490.0	723.7	618.2	542.8
85°	248.8	278.9	384.5	678.5	1274.0	1334.3	324.2	339.2	557.9	467.4	414.6
87.5°	90.5	113.1	196.0	301.5	595.5	738.8	135.7	128.2	271.4	218.6	173.4
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2	7757.2
2.5°	7779.8	7757.2	7651.6	7561.2	7493.3	7402.9	7304.9	7191.8	7116.4	7131.5	7108.9
5°	7817.5	7757.2	7553.6	7244.5	6943.0	6566.1	6083.6	5797.1	5578.5	5465.4	5495.6
7.5°	7900.4	7794.9	7365.2	6739.5	5955.5	5186.5	4711.6	4440.2	4312.1	4259.3	4251.7
10°	8043.6	7862.7	7123.9	5955.5	4930.2	4410.1	4236.7	4161.3	4146.2	4146.2	4138.7
12.5°	8217.0	7930.6	6716.8	5194.1	4440.2	4251.7	4221.6	4229.1	4251.7	4274.4	4236.7
15°	8428.1	7960.7	6211.8	4734.2	4342.2	4297.0	4342.2	4395.0	4432.7	4462.8	4425.1
17.5°	8639.2	7930.6	5736.8	4515.6	4357.3	4417.6	4508.1	4591.0	4613.6	4658.8	4628.7
20°	8790.0	7825.0	5329.8	4432.7	4395.0	4530.7	4643.7	4734.2	4779.4	4809.6	4779.4
22.5°	8903.0	7689.3	5035.8	4349.7	4395.0	4560.8	4696.5	4802.1	4854.8	4885.0	4847.3
25°	9001.0	7500.9	4809.6	4229.1	4304.5	4462.8	4613.6	4719.1	4794.5	4839.7	4817.1
27.5°	9121.6	7350.1	4598.5	4048.2	4116.0	4266.8	4425.1	4553.3	4696.5	4771.9	4756.8
30°	9257.3	7274.7	4395.0	3852.2	3897.4	4048.2	4236.7	4410.1	4606.1	4704.1	4704.1
32.5°	9415.7	7221.9	4206.5	3663.7	3701.4	3867.3	4048.2	4206.5	4417.6	4575.9	4568.4
35°	9483.5	7161.6	4055.7	3490.3	3565.7	3701.4	3844.7	3950.2	4168.8	4357.3	4372.4
37.5°	9551.3	7139.0	3980.4	3354.7	3415.0	3520.5	3595.9	3648.7	3852.2	4048.2	4055.7
40°	9634.3	7244.5	4033.1	3264.2	3211.4	3317.0	3354.7	3384.8	3490.3	3618.5	3618.5
42.5°	9581.5	7319.9	4153.7	3181.3	2962.7	3083.3	3098.3	3090.8	3098.3	3105.9	3098.3
45°	9445.8	7244.5	4153.7	3053.1	2698.8	2827.0	2819.4	2781.7	2721.4	2563.1	2540.5
47.5°	9415.7	7199.3	3995.4	2842.0	2435.0	2540.5	2555.6	2480.2	2306.8	2140.9	2088.2
50°	9543.8	7282.2	3746.7	2585.7	2208.8	2299.3	2337.0	2208.8	2012.8	1839.4	1809.3
52.5°	9732.3	7387.8	3384.8	2306.8	2020.3	2110.8	2156.0	2012.8	1809.3	1673.6	1658.5
55°	9709.7	7387.8	2977.7	2050.5	1877.1	1944.9	2020.3	1869.6	1711.3	1635.9	1628.3
57.5°	9219.6	7108.9	2676.2	1869.6	1741.4	1801.7	1899.7	1756.5	1605.7	1620.8	1643.4
60°	8262.3	6385.2	2450.0	1748.9	1620.8	1681.1	1786.6	1620.8	1424.8	1372.0	1372.0
62.5°	6807.3	5261.9	2269.1	1628.3	1507.7	1583.1	1635.9	1417.2	1289.1	1228.8	1228.8
65°	5103.6	4070.8	2080.6	1530.3	1409.7	1492.6	1432.3	1326.8	1198.6	1153.4	1160.9
67°	3784.4	3158.7	1922.3	1447.4	1349.4	1387.1	1341.9	1266.5	1138.3	1100.6	1138.3
67.5°	3399.9	3000.3	1884.6	1424.8	1334.3	1364.5	1319.2	1258.9	1123.2	1085.6	1123.2
70°	2337.0	2306.8	1681.1	1319.2	1251.4	1221.2	1243.9	1168.5	1055.4	1040.3	1078.0
72.5°	1779.1	1839.4	1507.7	1228.8	1160.9	1123.2	1176.0	1100.6	987.6	1010.2	1047.9
75°	1394.6	1485.1	1349.4	1100.6	1055.4	1062.9	1168.5	1138.3	1047.9	1070.5	1078.0
77.5°	1032.8	1198.6	1153.4	957.4	919.7	1025.2	1319.2	1409.7	1251.4	1213.7	1160.9
80°	753.9	859.4	972.5	791.5	768.9	987.6	1628.3	1801.7	1545.4	1394.6	1356.9
82.5°	557.9	603.1	799.1	633.2	557.9	882.0	1809.3	2118.3	1839.4	1552.9	1507.7
85°	399.5	467.4	633.2	467.4	369.4	723.7	1771.6	2073.1	1824.3	1470.0	1432.3
87.5°	143.2	203.5	271.4	211.1	188.5	497.5	1462.5	1492.6	1138.3	520.2	527.7
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



CCT = 3897K  
 CIE x = 0.3882  
 CIE y = 0.3900  
 Duv = 0.0039

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			

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**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)