

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: P1458454

Luminaire Tested: GLAN-SB9D-840-U-T3LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1458454  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-840-U-T3LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 9xLight Square  
PACKAGE 80CRI 4000K FIXTURE w/ TYPE III LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (234) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

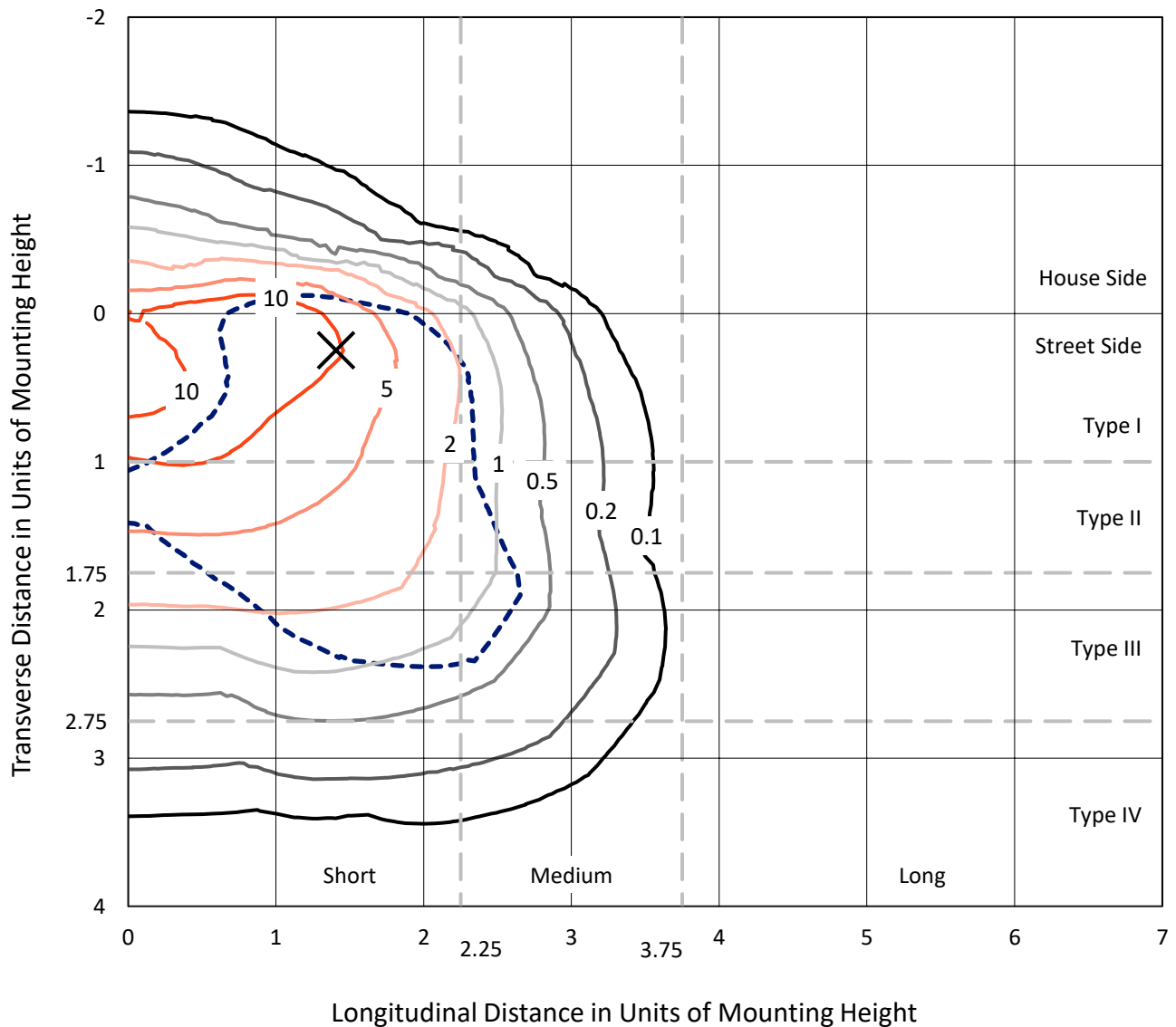
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 67754.1 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 658  
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: P1458454  
 CATALOG NUMBER: GLAN-SB9D-840-U-T3LG-HSS

### Iso-Footcandle Lines of Horizontal Illumination

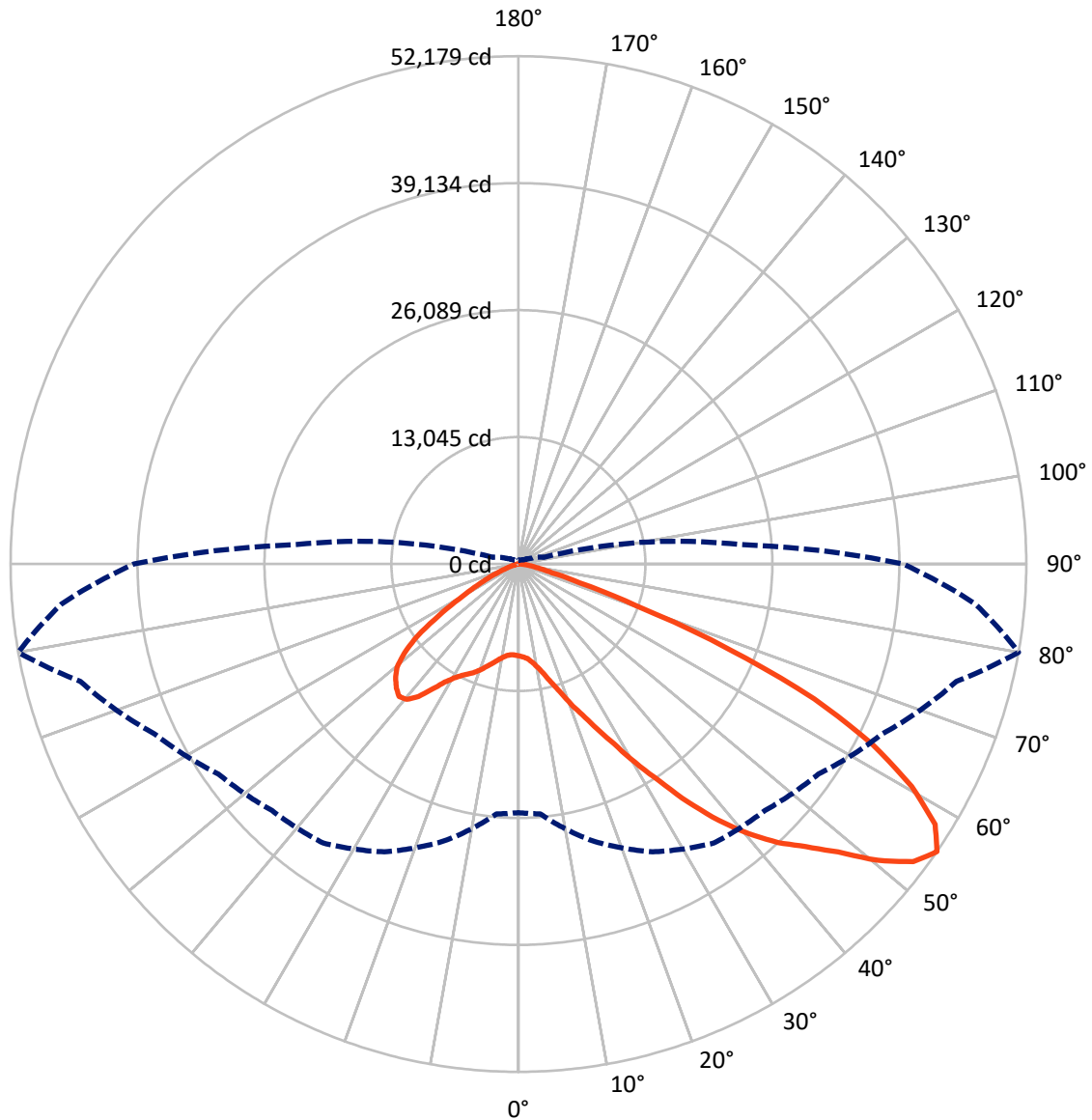
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 18.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8236.2	0.0	8236.2
	% Fixture	12.2	0.0	12.2
<b>Street Side</b>	Lumens	59517.8	0.0	59517.8
	% Fixture	87.8	0.0	87.8
<b>Total</b>	Lumens	67754.1	0.0	67754.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	792.0	1.2
10°-20°	2088.2	3.1
20°-30°	4087.9	6.0
30°-40°	8316.6	12.3
40°-50°	14020.6	20.7
50°-60°	17914.0	26.4
60°-70°	15294.4	22.6
70°-80°	4887.5	7.2
80°-90°	352.9	0.5
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°	67754.1	100.0
0°-180°	67754.1	100.0



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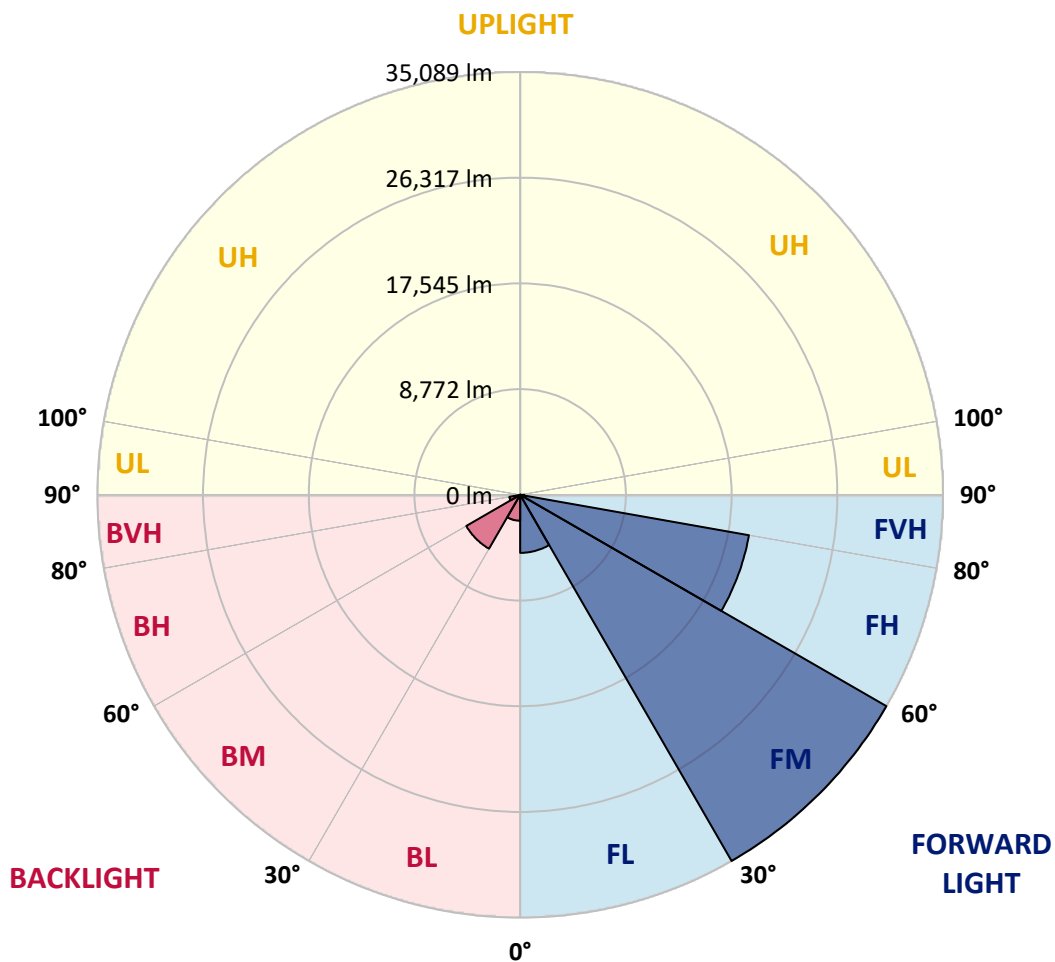
CATALOG NUMBER: GLAN-SB9D-840-U-T3LG-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4817.4	7.1			
FM	(30°-60°)	35089.3	51.8			
FH	(60°-80°)	19276.6	28.5			G5
FVH	(80°-90°)	334.5	0.5			G3/500
BL	(0°-30°)	2150.7	3.2	B3/2500		
BM	(30°-60°)	5161.9	7.6	B4/8500		
BH	(60°-80°)	905.2	1.3	B2/1000		G2/1000
BVH	(80°-90°)	18.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0
2.5°	9495.8	9515.1	9495.8	9515.1	9553.6	9534.3	9611.4	9592.1	9592.1	9572.9	9495.8
5°	8956.5	8975.8	9014.3	9110.6	9245.4	9380.3	9553.6	9669.2	9784.7	9765.5	9688.4
7.5°	7897.1	7935.7	8089.7	8282.4	8725.4	9129.9	9572.9	9861.8	10112.2	10189.2	10131.4
10°	7300.0	7338.6	7434.9	7627.5	8032.0	8706.1	9572.9	10170.0	10613.0	10767.1	10786.3
12.5°	7242.2	7261.5	7338.6	7550.4	7897.1	8475.0	9553.6	10574.5	11325.6	11556.8	11633.8
15°	7280.8	7319.3	7396.3	7569.7	7974.2	8629.1	9707.7	11210.1	12269.4	12596.9	12616.1
17.5°	7434.9	7473.4	7569.7	7762.3	8205.3	9033.5	10189.2	11865.0	13405.9	13771.8	13983.7
20°	7743.0	7762.3	7877.9	8128.3	8629.1	9534.3	10901.9	12751.0	14773.4	15312.7	15466.8
22.5°	8147.5	8205.3	8359.4	8667.6	9303.2	10227.7	11884.2	13829.6	16275.8	16834.4	17104.0
25°	8590.5	8667.6	8898.7	9399.5	10208.5	11287.1	13097.7	15254.9	18047.8	18722.0	19087.9
27.5°	9495.8	9515.1	9669.2	10304.8	11344.9	12673.9	14638.6	17084.8	20128.1	20917.8	21322.3
30°	11479.7	11499.0	11364.2	11537.5	12596.9	14311.1	16449.1	19222.8	22555.0	23652.9	23980.3
32.5°	13906.7	14003.0	13983.7	13868.1	14349.7	15948.4	18606.4	21784.5	25405.7	26561.3	26869.5
35°	16661.0	16892.2	16834.4	16795.9	16853.6	18047.8	21071.9	24615.9	28641.5	30047.6	30298.0
37.5°	19357.6	19415.4	19685.0	20012.5	20051.0	20879.2	23922.5	27620.7	31646.3	33437.6	33822.8
40°	21437.8	21630.4	22304.6	22959.5	23633.6	24288.5	26272.4	30047.6	34034.7	36442.4	36615.7
42.5°	23055.8	23518.0	24500.4	25521.2	26888.8	27620.7	28506.7	31761.9	35980.1	39119.7	39042.6
45°	25020.4	25213.0	26599.9	27948.1	29335.0	30452.1	30432.8	33206.5	37501.7	41411.8	40930.3
47.5°	26349.5	26580.6	28468.2	30047.6	31473.0	32031.5	32147.1	34766.6	39601.2	44185.4	43049.0
50°	27062.1	27466.6	29527.6	31530.7	33071.6	33245.0	33765.1	36808.3	42355.6	47864.3	45726.3
52.5°	27139.2	27524.4	29893.5	32474.5	34150.3	34497.0	35383.0	39119.7	45032.9	50811.3	47267.2
55°	25540.5	25771.6	29450.5	32628.6	34997.8	35806.8	37617.3	41257.7	46593.1	52178.9	47132.4
57.5°	24038.1	24269.2	27466.6	32359.0	35864.5	37521.0	40005.7	42721.6	45379.6	50483.9	44127.6
60°	22747.6	22863.2	25771.6	31107.0	36192.0	39196.7	42066.7	41277.0	42240.0	46419.7	38984.9
62.5°	20320.7	20397.7	23845.5	28853.4	35537.1	40487.2	42779.3	38214.4	38792.3	40814.7	32936.8
65°	15351.3	15640.2	18799.0	27158.4	34458.5	41084.3	41122.9	34477.7	33880.6	33399.1	25906.4
67.5°	10420.4	10747.8	12654.7	24423.3	32705.7	41334.7	37906.2	29643.1	25810.1	23325.4	16969.2
70°	8320.9	8320.9	8975.8	19627.3	28545.2	38137.4	33919.1	22381.6	16391.4	12885.8	9091.3
72.5°	5470.2	5489.5	6105.8	12462.1	20243.6	29084.6	27659.2	12943.6	8513.5	6568.1	4487.9
75°	1983.9	1983.9	2677.3	4988.7	10709.3	17315.9	16853.6	6182.9	4622.7	3582.6	2715.8
77.5°	1059.4	1097.9	1290.5	2061.0	4102.7	7049.6	6587.4	3158.9	2619.5	2234.3	1695.0
80°	712.7	731.9	866.8	1271.2	1983.9	2715.8	2118.7	1772.0	1772.0	1502.4	1136.4
82.5°	385.2	404.5	577.8	828.2	1059.4	1271.2	1020.8	1040.1	1252.0	1020.8	654.9
85°	269.7	269.7	443.0	597.1	597.1	616.4	443.0	654.9	731.9	635.6	443.0
87.5°	154.1	154.1	250.4	288.9	288.9	269.7	134.8	231.1	288.9	327.4	192.6
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-SB9D-840-U-T3LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0	9438.0
2.5°	9476.6	9418.8	9303.2	9072.1	8956.5	8802.4	8667.6	8494.2	8455.7	8436.4	8359.4
5°	9630.6	9515.1	9168.4	8667.6	8243.8	7839.3	7434.9	7203.7	7011.1	6914.8	6895.5
7.5°	10015.9	9784.7	9149.1	8263.1	7473.4	6780.0	6182.9	5662.8	5393.2	5162.0	5181.3
10°	10593.7	10227.7	9187.6	7877.9	6702.9	5585.8	4719.0	3967.8	3428.5	3178.1	3158.9
12.5°	11364.2	10844.1	9322.5	7492.6	5759.1	4199.0	3101.1	2658.1	2542.5	2523.2	2504.0
15°	12308.0	11576.0	9457.3	6991.9	4487.9	2908.5	2523.2	2426.9	2407.7	2388.4	2388.4
17.5°	13444.4	12423.5	9534.3	6144.4	3274.4	2504.0	2369.1	2311.4	2292.1	2272.8	2272.8
20°	14869.7	13367.3	9630.6	5065.7	2773.6	2407.7	2253.6	2176.5	2157.3	2157.3	2138.0
22.5°	16275.8	14426.7	9553.6	4121.9	2677.3	2292.1	2118.7	2041.7	2003.2	2003.2	1983.9
25°	17893.7	15505.3	9322.5	3717.4	2658.1	2195.8	1983.9	1868.3	1810.6	1791.3	1791.3
27.5°	19742.8	16738.1	8956.5	3736.7	2658.1	2118.7	1810.6	1656.5	1617.9	1579.4	1579.4
30°	21861.6	18240.4	8686.8	3987.1	2696.6	2041.7	1656.5	1463.9	1406.1	1367.6	1386.8
32.5°	24288.5	19916.2	8667.6	4391.6	2754.4	1926.1	1483.1	1271.2	1213.5	1194.2	1213.5
35°	27042.9	21996.4	9110.6	4699.8	2600.3	1675.7	1271.2	1097.9	1040.1	1040.1	1059.4
37.5°	30105.4	24384.8	9707.7	4622.7	2099.5	1329.0	1097.9	963.1	905.3	924.5	943.8
40°	32898.3	26253.1	9804.0	3948.6	1579.4	1136.4	943.8	847.5	809.0	828.2	847.5
42.5°	35017.0	27755.5	8879.5	3062.5	1329.0	963.1	809.0	731.9	712.7	751.2	751.2
45°	36731.3	28352.6	7415.6	2272.8	1174.9	828.2	712.7	674.1	635.6	654.9	654.9
47.5°	38522.6	28448.9	6048.0	1829.8	1040.1	751.2	654.9	616.4	577.8	577.8	577.8
50°	40256.1	28217.8	4622.7	1617.9	963.1	674.1	597.1	558.6	520.1	500.8	500.8
52.5°	40679.9	26368.7	3390.0	1502.4	886.0	635.6	558.6	520.1	481.5	462.3	462.3
55°	39504.9	22863.2	2658.1	1348.3	809.0	577.8	520.1	481.5	423.7	404.5	404.5
57.5°	35633.4	17431.5	2118.7	1155.7	731.9	558.6	481.5	443.0	385.2	366.0	366.0
60°	30606.2	12365.8	1714.3	943.8	674.1	500.8	443.0	385.2	346.7	308.2	308.2
62.5°	25039.7	8879.5	1386.8	789.7	635.6	443.0	404.5	346.7	269.7	211.9	211.9
65°	19203.5	6375.5	1078.6	635.6	577.8	385.2	346.7	288.9	211.9	154.1	154.1
67.5°	12423.5	4121.9	809.0	558.6	443.0	327.4	269.7	231.1	192.6	134.8	115.6
70°	6548.8	2407.7	597.1	481.5	327.4	250.4	231.1	192.6	154.1	96.3	96.3
72.5°	3390.0	1579.4	443.0	423.7	250.4	173.4	192.6	154.1	115.6	57.8	57.8
75°	2176.5	1059.4	327.4	346.7	154.1	134.8	134.8	96.3	57.8	38.5	19.3
77.5°	1406.1	712.7	231.1	288.9	96.3	77.0	77.0	38.5	19.3	0.0	0.0
80°	828.2	443.0	154.1	192.6	38.5	38.5	19.3	0.0	0.0	0.0	0.0
82.5°	423.7	231.1	77.0	77.0	19.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	269.7	115.6	19.3	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	134.8	38.5	19.3	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: SP1-2407-184-11

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 (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	$\lambda$ (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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**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)