

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: P1457876

Luminaire Tested: GLAN-SB9B-840-U-T2LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1457876  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-840-U-T2LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 450mA 9xLight Square PACKAGE 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (234) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

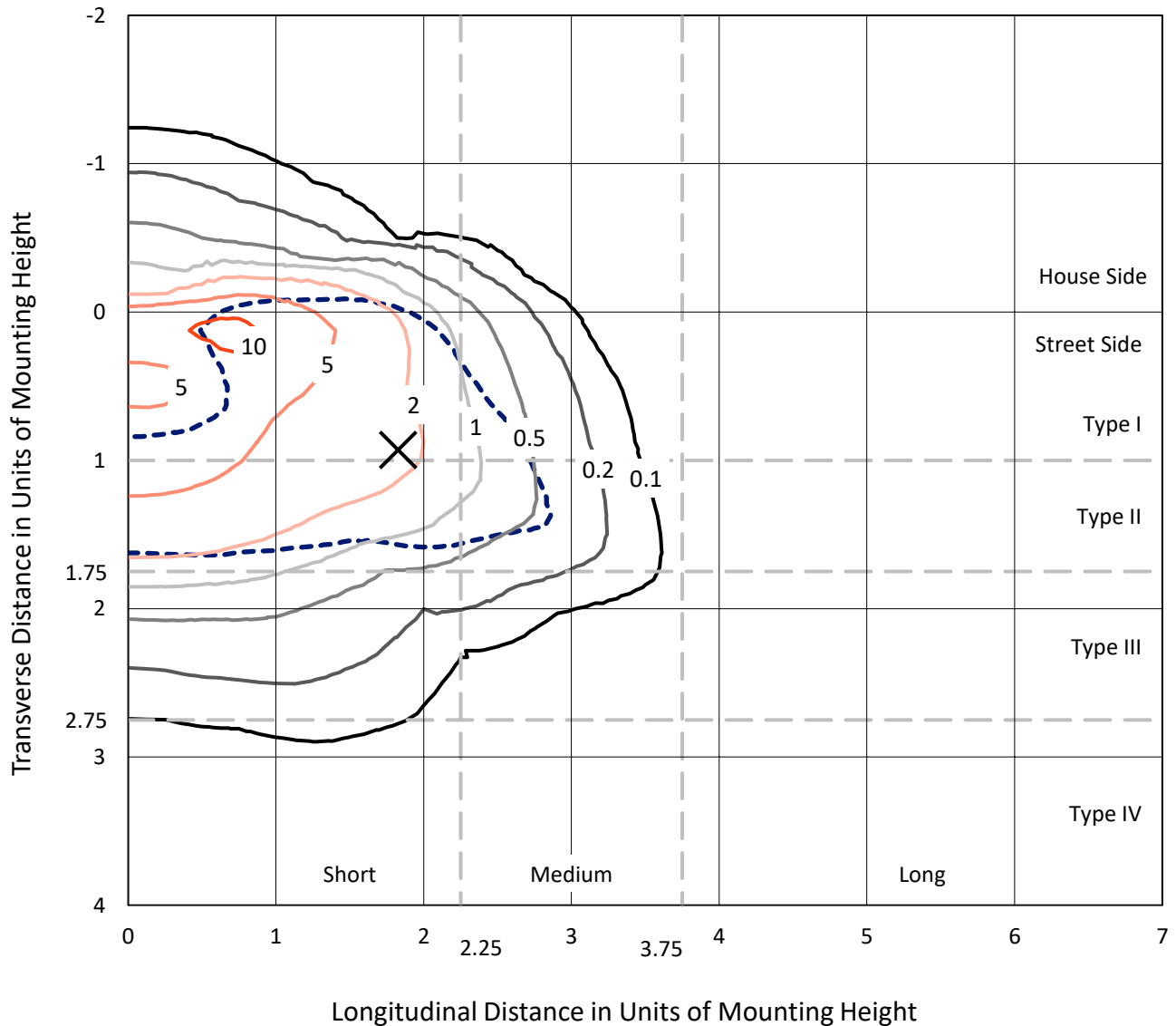
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35531.8 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 329.5  
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: P1457876  
 CATALOG NUMBER: GLAN-SB9B-840-U-T2LG-HSS

### Iso-Footcandle Lines of Horizontal Illumination

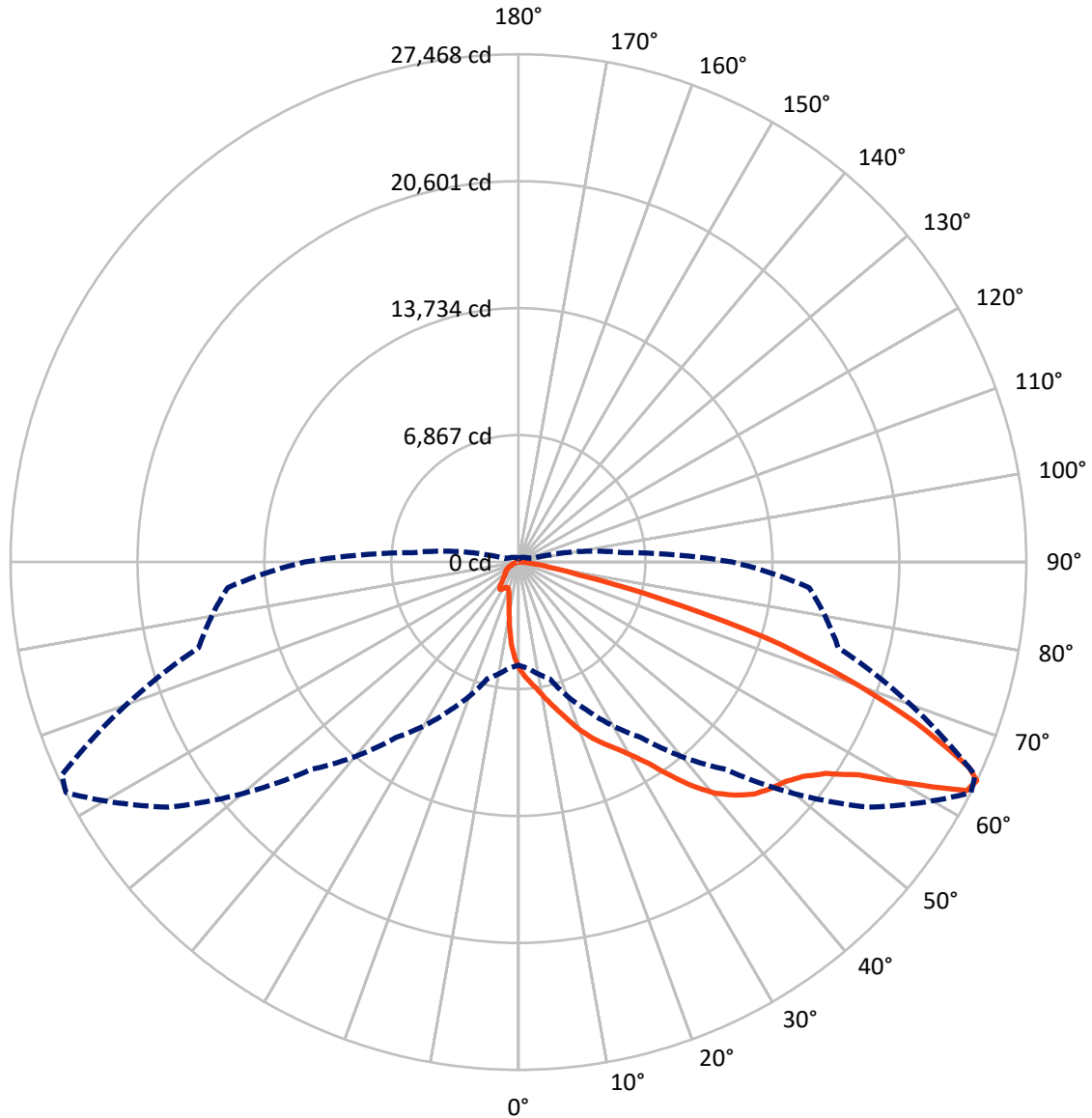
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4216.5	0.0	4216.5
	% Fixture	11.9	0.0	11.9
<b>Street Side</b>	Lumens	31315.3	0.0	31315.3
	% Fixture	88.1	0.0	88.1
<b>Total</b>	Lumens	35531.8	0.0	35531.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	483.8	1.4
10°-20°	1359.5	3.8
20°-30°	2421.3	6.8
30°-40°	4624.7	13.0
40°-50°	7665.8	21.6
50°-60°	9555.4	26.9
60°-70°	7125.1	20.1
70°-80°	2043.5	5.8
80°-90°	252.7	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°	35531.8	100.0
0°-180°	35531.8	100.0



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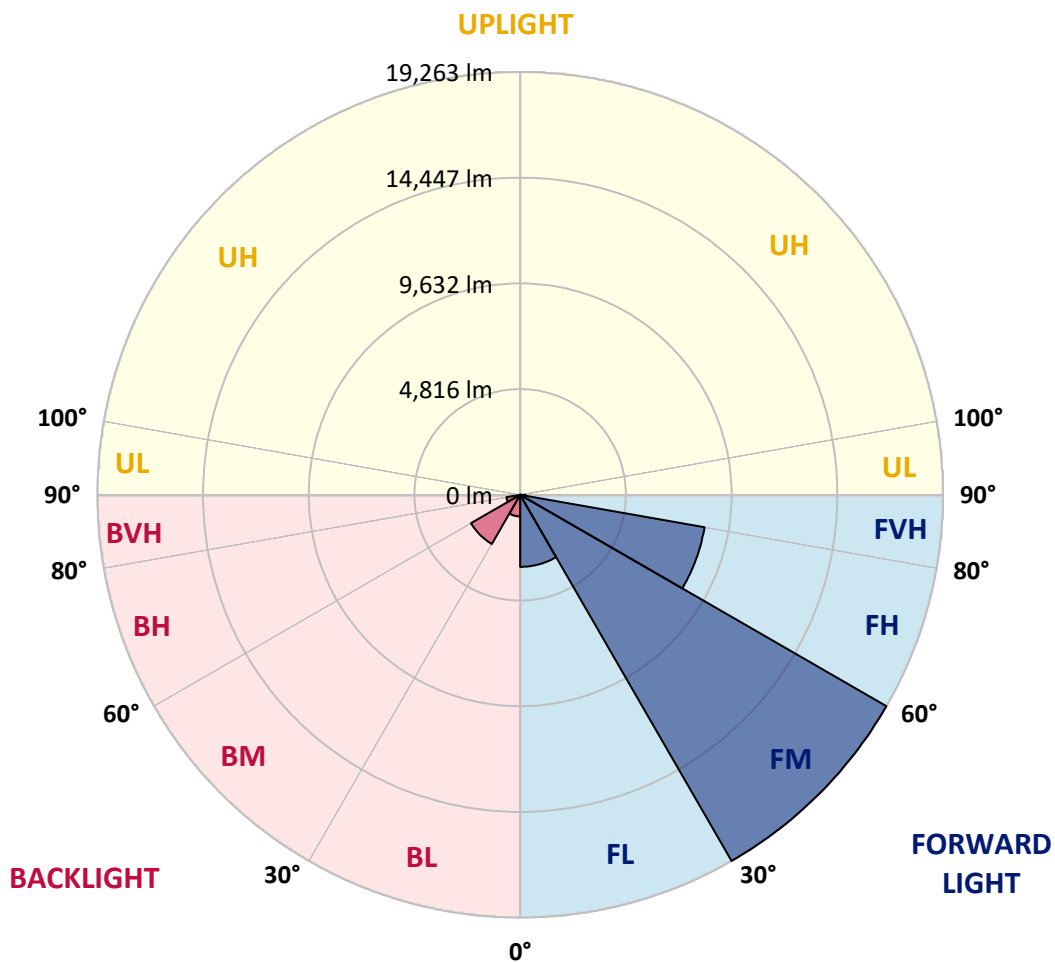
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3280.9	9.2			
FM (30°-60°)	19263.3	54.2			
FH (60°-80°)	8530.9	24.0			G4/12000
FVH (80°-90°)	240.2	0.7			G3/500
BL (0°-30°)	983.7	2.8	B2/1000		
BM (30°-60°)	2582.6	7.3	B3/5000		
BH (60°-80°)	637.7	1.8	B2/1000		G2/1000
BVH (80°-90°)	12.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1
2.5°	6437.9	6416.6	6395.3	6363.3	6320.6	6278.0	6224.7	6150.1	6118.1	6011.5	5883.6
5°	6768.3	6768.3	6757.7	6736.3	6715.0	6672.4	6608.4	6512.5	6469.9	6320.6	6096.8
7.5°	6853.6	6864.2	6896.2	6938.9	7002.8	6992.1	6992.1	6885.6	6864.2	6704.4	6405.9
10°	6704.4	6715.0	6800.3	6917.5	7109.4	7290.6	7418.5	7354.5	7322.6	7162.7	6789.6
12.5°	6491.2	6491.2	6629.7	6810.9	7109.4	7450.5	7823.5	7887.5	7898.1	7716.9	7269.3
15°	5936.9	5958.2	6182.1	6544.5	7034.8	7567.7	8196.6	8441.7	8505.7	8388.4	7855.5
17.5°	5201.5	5222.8	5446.6	5936.9	6672.4	7567.7	8516.3	9081.3	9166.5	9187.9	8601.6
20°	4892.4	4892.4	5020.3	5393.3	6160.8	7365.2	8708.2	9763.4	9955.3	10189.8	9422.3
22.5°	4935.0	4935.0	5009.6	5222.8	5841.0	7088.1	8825.5	10371.0	10765.3	11362.2	10477.6
25°	5169.5	5169.5	5233.5	5372.0	5873.0	7045.4	9049.3	10914.6	11543.4	12673.3	11682.0
27.5°	5542.6	5531.9	5585.2	5723.8	6182.1	7248.0	9422.3	11458.2	12161.6	14144.2	13067.6
30°	6086.2	6054.2	6075.5	6235.4	6683.0	7716.9	9965.9	12151.0	12865.1	15753.6	14602.5
32.5°	7343.9	7333.2	7024.1	6938.9	7418.5	8473.7	10712.1	13014.3	13813.8	17459.0	16180.0
35°	9614.2	9763.4	9326.4	8207.2	8303.2	9486.3	11777.9	14186.8	14922.3	19271.0	17896.1
37.5°	11916.5	11916.5	11735.3	10413.6	9742.1	10605.5	12929.1	15391.2	16158.7	20731.3	19548.2
40°	13739.1	13835.1	13621.9	12630.6	11756.6	11884.5	14080.2	16446.5	17149.9	21626.6	20720.6
42.5°	15092.8	15071.5	14986.2	14336.0	13845.7	13557.9	15124.8	17235.2	17906.7	22084.9	21456.1
45°	16553.1	16553.1	16435.8	15902.9	15497.8	15252.7	15902.9	17896.1	18599.5	22362.1	21914.4
47.5°	18077.3	18055.9	17938.7	17352.5	16915.5	16553.1	16691.6	18322.4	19025.9	22180.9	21989.0
50°	18450.3	18429.0	18695.5	18716.8	18322.4	17629.6	17320.5	18684.8	19303.0	22191.5	22223.5
52.5°	18013.3	18141.2	18535.6	19015.2	19462.9	18738.1	17992.0	19260.4	19899.9	22490.0	22809.7
55°	16926.1	16979.4	17736.2	18503.6	19548.2	19804.0	19068.5	20177.0	20741.9	22777.8	23332.0
57.5°	14900.9	15103.5	15913.5	17245.9	18834.0	19899.9	20944.5	21711.9	22138.2	22895.0	23044.2
60°	11245.0	11351.6	13110.3	14837.0	17352.5	19132.5	22692.5	24312.6	24259.3	21573.3	21029.7
62.5°	6842.9	6938.9	8196.6	10935.9	14101.5	17533.7	23278.7	27222.5	26934.7	19345.6	17704.2
64°	5574.5	5755.7	6533.8	8878.7	11596.7	15860.2	23108.2	27467.6	27243.8	17906.7	15775.0
65°	4764.5	5009.6	5809.0	7706.3	9859.4	14058.9	22639.2	26785.5	26636.2	17032.7	14176.1
67.5°	2995.1	3112.4	4295.5	5990.2	6789.6	8996.0	19462.9	23161.5	23428.0	15178.1	10456.2
70°	2227.7	2281.0	2952.5	4636.6	5297.4	5233.5	13366.1	18759.4	18823.4	12140.3	6310.0
72.5°	1620.1	1630.8	2067.8	3432.1	4146.3	3570.7	7045.4	13941.7	13483.3	7109.4	3442.8
75°	1076.5	1119.2	1449.6	2419.5	3229.6	2622.1	3208.3	7940.8	7802.2	3474.8	1971.9
77.5°	788.7	799.4	980.6	1620.1	2536.8	1929.2	1939.9	3421.5	3528.0	2067.8	1247.1
80°	447.7	469.0	639.5	991.3	1652.1	1321.7	1087.2	1652.1	1897.3	1407.0	831.4
82.5°	266.5	287.8	458.3	650.2	1129.8	543.6	554.3	906.0	1129.8	1012.6	447.7
85°	159.9	170.5	287.8	351.7	671.5	362.4	202.5	447.7	586.2	596.9	245.2
87.5°	106.6	106.6	159.9	149.2	191.9	170.5	85.3	117.2	149.2	202.5	95.9
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-SB9B-840-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1	5745.1
2.5°	5777.0	5713.1	5521.2	5265.4	5030.9	4849.7	4625.9	4476.7	4338.1	4338.1	4220.9
5°	5915.6	5745.1	5276.1	4689.9	4061.0	3464.1	3080.4	2654.0	2515.5	2398.2	2419.5
7.5°	6150.1	5841.0	5009.6	3954.4	2952.5	2313.0	1886.6	1694.7	1609.5	1556.2	1566.8
10°	6437.9	6011.5	4689.9	3208.3	2174.4	1694.7	1492.2	1417.6	1385.6	1375.0	1375.0
12.5°	6832.3	6214.1	4370.1	2579.4	1716.1	1460.2	1353.7	1311.0	1279.1	1257.7	1257.7
15°	7301.2	6469.9	3997.0	2121.1	1502.9	1343.0	1257.7	1215.1	1172.5	1161.8	1161.8
17.5°	7898.1	6736.3	3666.6	1822.6	1396.3	1257.7	1172.5	1119.2	1087.2	1076.5	1076.5
20°	8559.0	7066.8	3336.2	1652.1	1321.7	1172.5	1087.2	1044.6	1012.6	991.3	1001.9
22.5°	9401.0	7482.4	3123.0	1566.8	1257.7	1097.9	1012.6	969.9	938.0	916.7	927.3
25°	10328.3	8004.7	3005.8	1566.8	1215.1	1044.6	948.6	906.0	874.0	852.7	852.7
27.5°	11458.2	8591.0	3016.4	1630.8	1204.4	1001.9	895.3	852.7	820.7	788.7	788.7
30°	12705.2	9283.8	3133.7	1748.0	1225.8	959.3	852.7	788.7	767.4	735.5	735.5
32.5°	14026.9	10083.2	3432.1	1897.3	1204.4	906.0	788.7	735.5	703.5	682.2	682.2
35°	15423.2	10989.2	3805.2	1961.2	1097.9	831.4	735.5	682.2	660.8	650.2	639.5
37.5°	16755.6	11777.9	4007.7	1833.3	959.3	767.4	671.5	618.2	607.5	586.2	586.2
40°	17789.5	12428.1	3890.4	1566.8	884.7	703.5	618.2	564.9	543.6	522.3	522.3
42.5°	18397.0	12662.6	3464.1	1332.3	831.4	639.5	564.9	511.6	490.3	479.6	479.6
45°	18748.8	12630.6	2963.1	1193.8	778.1	586.2	511.6	479.6	447.7	437.0	426.4
47.5°	18738.1	12300.2	2600.7	1076.5	724.8	543.6	479.6	447.7	415.7	405.0	405.0
50°	18663.5	11809.9	2195.7	991.3	682.2	511.6	447.7	426.4	394.4	383.7	373.1
52.5°	18844.7	11532.8	1833.3	938.0	628.9	490.3	437.0	405.0	362.4	351.7	351.7
55°	19068.5	11372.9	1470.9	884.7	586.2	479.6	415.7	383.7	341.1	330.4	330.4
57.5°	18418.3	10765.3	1215.1	799.4	532.9	458.3	394.4	373.1	330.4	298.4	298.4
60°	16371.9	8900.1	1001.9	703.5	490.3	426.4	373.1	341.1	298.4	255.8	255.8
62.5°	13312.8	6789.6	831.4	596.9	458.3	394.4	341.1	309.1	255.8	202.5	202.5
64°	11564.8	5766.4	746.1	522.3	437.0	362.4	309.1	277.1	223.8	170.5	159.9
65°	10371.0	5094.9	692.8	490.3	426.4	341.1	298.4	266.5	202.5	159.9	149.2
67.5°	7301.2	3421.5	554.3	405.0	373.1	287.8	255.8	223.8	181.2	138.6	127.9
70°	4252.8	1939.9	437.0	341.1	287.8	223.8	213.2	202.5	159.9	106.6	106.6
72.5°	2313.0	969.9	330.4	277.1	223.8	159.9	181.2	159.9	127.9	85.3	74.6
75°	1417.6	596.9	245.2	202.5	149.2	117.2	138.6	117.2	74.6	53.3	42.6
77.5°	948.6	383.7	181.2	138.6	95.9	74.6	95.9	64.0	32.0	10.7	10.7
80°	586.2	266.5	117.2	85.3	53.3	32.0	21.3	10.7	10.7	0.0	0.0
82.5°	255.8	170.5	64.0	42.6	21.3	10.7	10.7	0.0	0.0	0.0	0.0
85°	138.6	53.3	21.3	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	42.6	21.3	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**



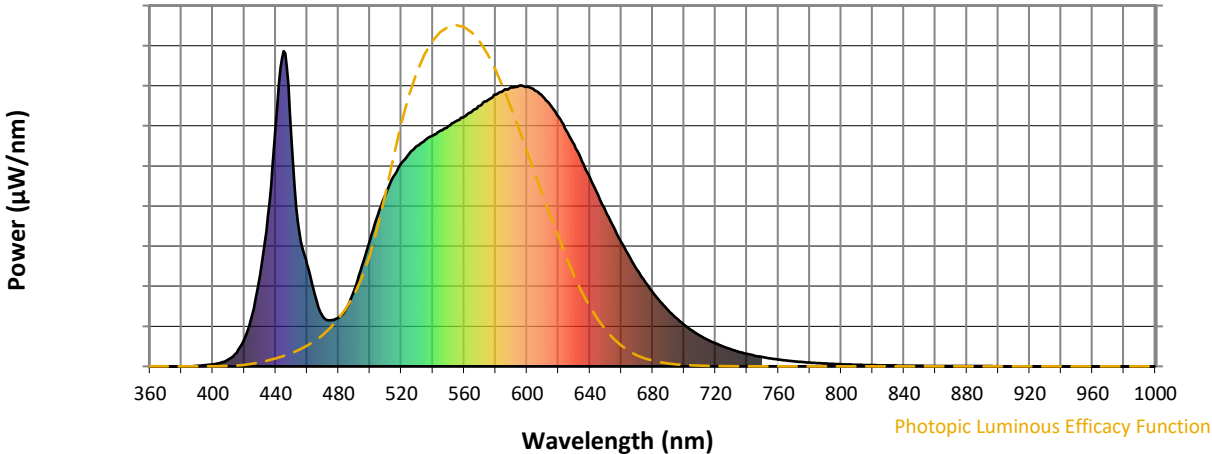
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 4000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

$\lambda$ (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**

$\lambda$ (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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**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)