

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: P1457858

Luminaire Tested: GLAN-SB4D-840-U-T2LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1457858  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-840-U-T2LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 4xLight Square  
PACKAGE 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (104) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

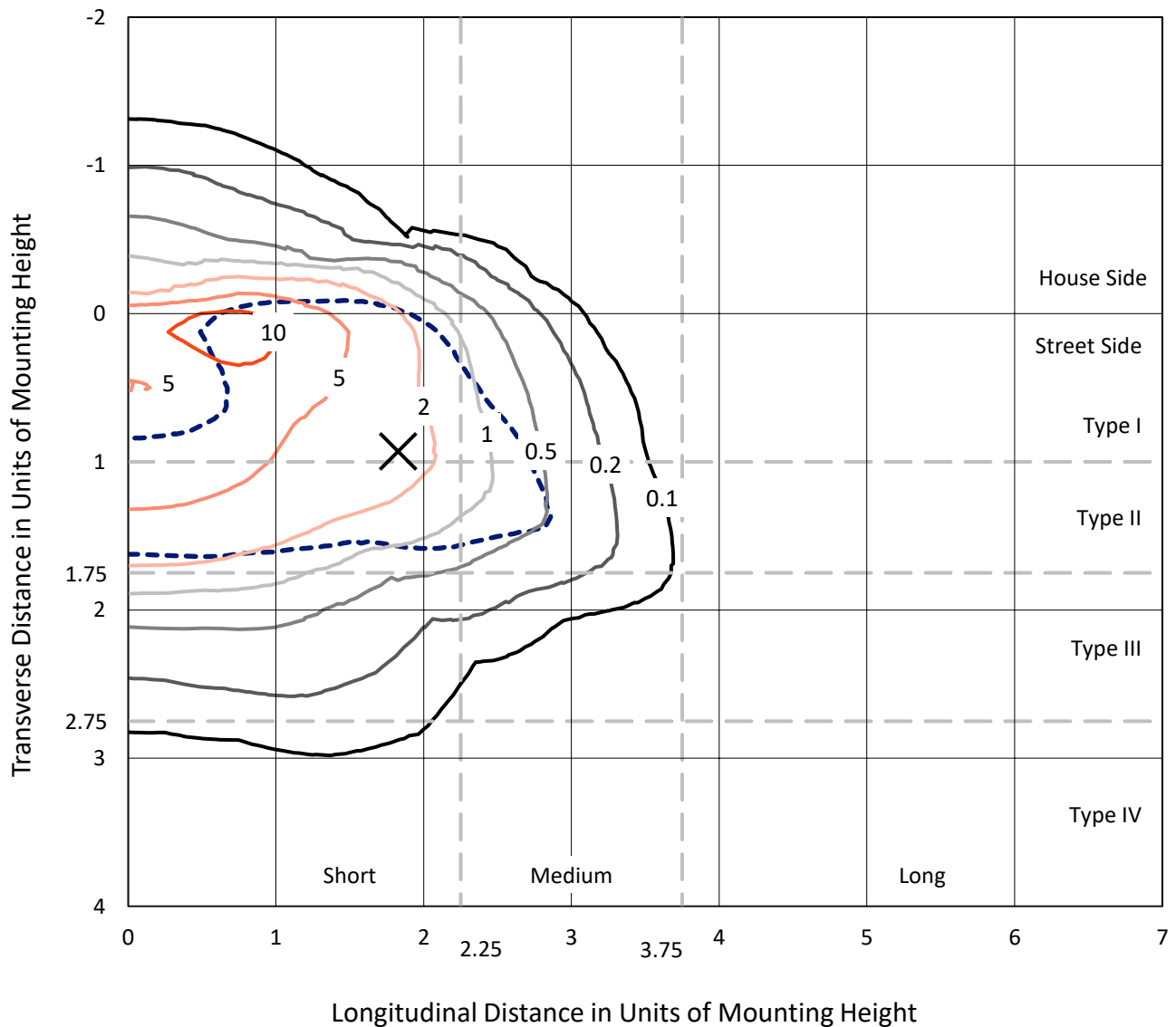
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28253.5 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 293.6  
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: P1457858  
 CATALOG NUMBER: GLAN-SB4D-840-U-T2LG-HSS

### Iso-Footcandle Lines of Horizontal Illumination

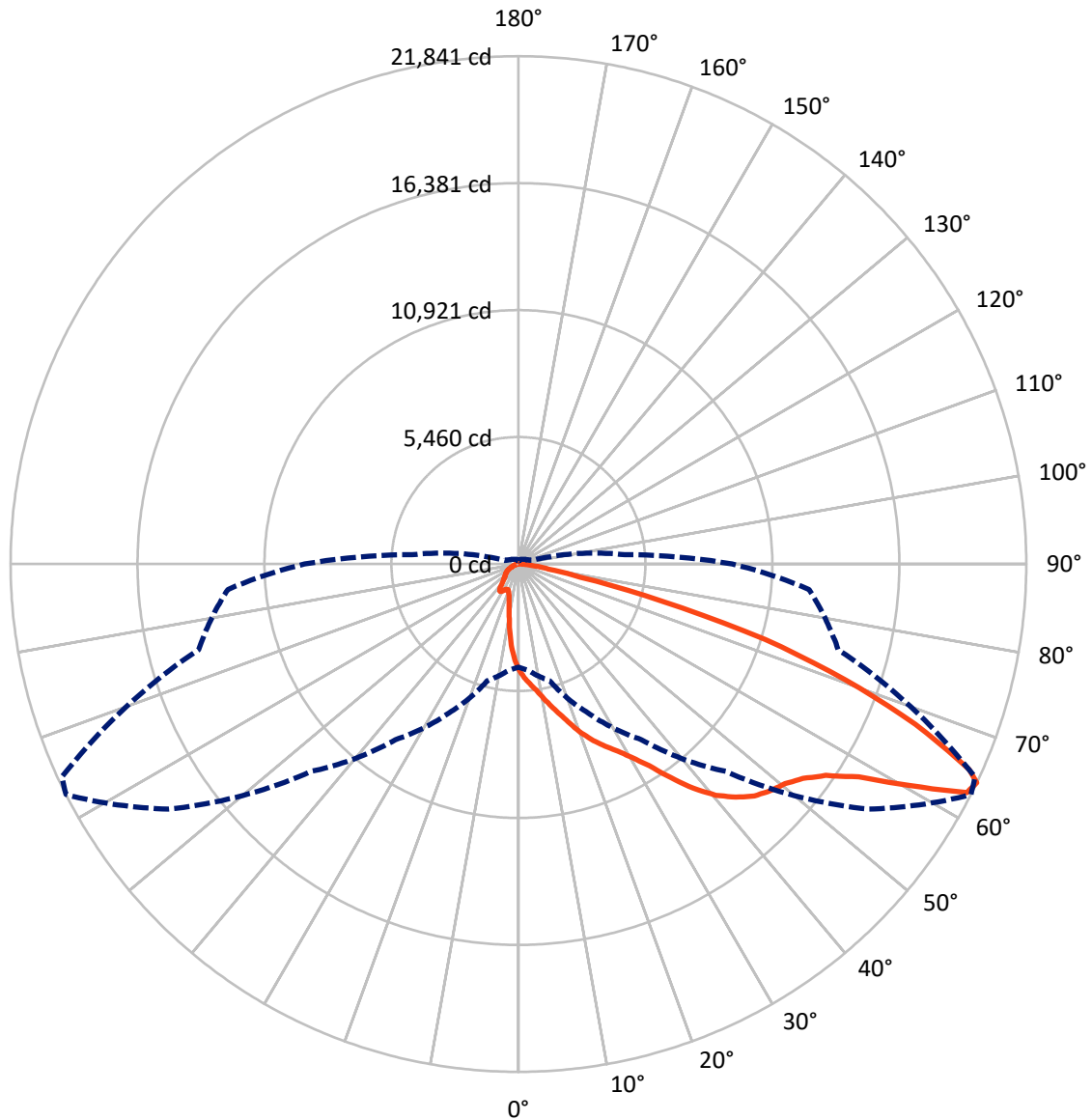
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
 Type II - Short - N/A

REPORT NUMBER: P1457858  
CATALOG NUMBER: GLAN-SB4D-840-U-T2LG-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1457858

CATALOG NUMBER: GLAN-SB4D-840-U-T2LG-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3352.8	0.0	3352.8
	% Fixture	11.9	0.0	11.9
<b>Street Side</b>	Lumens	24900.7	0.0	24900.7
	% Fixture	88.1	0.0	88.1
<b>Total</b>	Lumens	28253.5	0.0	28253.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.7	1.4
10°-20°	1081.0	3.8
20°-30°	1925.3	6.8
30°-40°	3677.4	13.0
40°-50°	6095.5	21.6
50°-60°	7598.1	26.9
60°-70°	5665.6	20.1
70°-80°	1624.9	5.8
80°-90°	200.9	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°	28253.5	100.0
0°-180°	28253.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P1457858

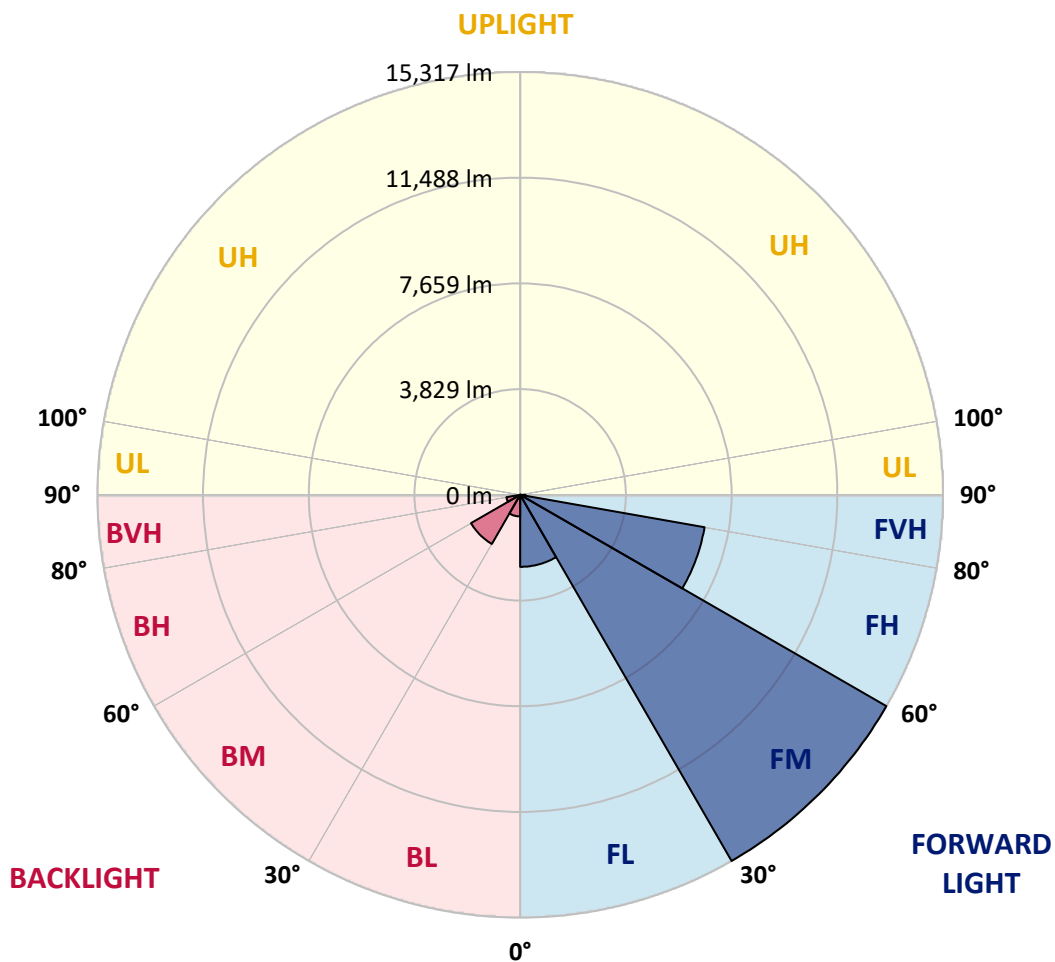
CATALOG NUMBER: GLAN-SB4D-840-U-T2LG-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2608.9	9.2			
FM (30°-60°)	15317.4	54.2			
FH (60°-80°)	6783.4	24.0			G3/7500
FVH (80°-90°)	191.0	0.7			G2/225
BL (0°-30°)	782.2	2.8	B2/1000		
BM (30°-60°)	2053.6	7.3	B2/2500		
BH (60°-80°)	507.1	1.8	B2/1000		G2/1000
BVH (80°-90°)	9.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3
2.5°	5119.2	5102.2	5085.3	5059.8	5025.9	4992.0	4949.7	4890.3	4864.9	4780.1	4678.4
5°	5381.9	5381.9	5373.4	5356.5	5339.5	5305.6	5254.8	5178.5	5144.6	5025.9	4847.9
7.5°	5449.7	5458.2	5483.6	5517.5	5568.4	5559.9	5559.9	5475.1	5458.2	5331.0	5093.7
10°	5331.0	5339.5	5407.3	5500.6	5653.1	5797.2	5898.9	5848.0	5822.6	5695.5	5398.8
12.5°	5161.5	5161.5	5271.7	5415.8	5653.1	5924.3	6221.0	6271.8	6280.3	6136.2	5780.2
15°	4720.8	4737.8	4915.7	5203.9	5593.8	6017.6	6517.6	6712.5	6763.4	6670.2	6246.4
17.5°	4136.0	4153.0	4330.9	4720.8	5305.6	6017.6	6771.9	7221.1	7288.9	7305.8	6839.7
20°	3890.2	3890.2	3991.9	4288.6	4898.8	5856.5	6924.4	7763.5	7916.1	8102.5	7492.3
22.5°	3924.1	3924.1	3983.5	4153.0	4644.5	5636.2	7017.7	8246.6	8560.2	9034.8	8331.3
25°	4110.6	4110.6	4161.4	4271.6	4670.0	5602.3	7195.6	8678.8	9178.9	10077.3	9289.1
27.5°	4407.2	4398.7	4441.1	4551.3	4915.7	5763.3	7492.3	9111.1	9670.5	11246.9	10390.9
30°	4839.5	4814.0	4831.0	4958.1	5314.1	6136.2	7924.5	9662.0	10229.8	12526.7	11611.3
32.5°	5839.6	5831.1	5585.3	5517.5	5898.9	6738.0	8517.8	10348.5	10984.2	13882.8	12865.7
35°	7644.8	7763.5	7416.0	6526.1	6602.4	7543.1	9365.3	11280.8	11865.6	15323.6	14230.2
37.5°	9475.5	9475.5	9331.4	8280.5	7746.5	8433.1	10280.7	12238.5	12848.8	16484.7	15543.9
40°	10924.8	11001.1	10831.6	10043.4	9348.4	9450.1	11196.0	13077.6	13637.0	17196.6	16476.2
42.5°	12001.2	11984.3	11916.5	11399.5	11009.6	10780.7	12026.6	13704.8	14238.7	17561.1	17061.0
45°	13162.3	13162.3	13069.1	12645.3	12323.3	12128.3	12645.3	14230.2	14789.6	17781.5	17425.5
47.5°	14374.3	14357.4	14264.1	13798.0	13450.5	13162.3	13272.5	14569.3	15128.6	17637.4	17484.8
50°	14671.0	14654.0	14865.9	14882.9	14569.3	14018.4	13772.6	14857.4	15349.0	17645.8	17671.3
52.5°	14323.5	14425.2	14738.8	15120.2	15476.1	14899.8	14306.5	15315.1	15823.6	17883.2	18137.4
55°	13459.0	13501.4	14103.1	14713.3	15543.9	15747.3	15162.5	16044.0	16493.2	18112.0	18552.7
57.5°	11848.6	12009.7	12653.8	13713.2	14976.1	15823.6	16654.2	17264.4	17603.5	18205.2	18323.9
60°	8941.6	9026.3	10424.8	11797.8	13798.0	15213.4	18044.2	19332.5	19290.1	17154.3	16722.0
62.5°	5441.2	5517.5	6517.6	8695.8	11213.0	13942.1	18510.3	21646.2	21417.4	15382.9	14077.7
64°	4432.6	4576.7	5195.4	7060.0	9221.3	12611.4	18374.7	21841.2	21663.2	14238.7	12543.6
65°	3788.5	3983.5	4619.1	6127.7	7839.8	11179.1	18001.8	21298.8	21180.1	13543.7	11272.3
67.5°	2381.6	2474.8	3415.6	4763.2	5398.8	7153.3	15476.1	18417.1	18629.0	12069.0	8314.4
70°	1771.4	1813.7	2347.7	3686.8	4212.3	4161.4	10628.2	14916.8	14967.6	9653.5	5017.5
72.5°	1288.3	1296.7	1644.2	2729.1	3296.9	2839.3	5602.3	11085.9	10721.4	5653.1	2737.6
75°	856.0	889.9	1152.7	1923.9	2568.1	2085.0	2551.1	6314.2	6204.0	2763.0	1568.0
77.5°	627.2	635.7	779.7	1288.3	2017.2	1534.1	1542.5	2720.6	2805.4	1644.2	991.6
80°	356.0	372.9	508.5	788.2	1313.7	1051.0	864.5	1313.7	1508.6	1118.8	661.1
82.5°	211.9	228.8	364.4	517.0	898.4	432.2	440.7	720.4	898.4	805.2	356.0
85°	127.1	135.6	228.8	279.7	534.0	288.2	161.0	356.0	466.1	474.6	194.9
87.5°	84.8	84.8	127.1	118.7	152.6	135.6	67.8	93.2	118.7	161.0	76.3
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: P1457858

CATALOG NUMBER: GLAN-SB4D-840-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3	4568.3
2.5°	4593.7	4542.8	4390.3	4186.9	4000.4	3856.3	3678.3	3559.7	3449.5	3449.5	3356.3
5°	4703.9	4568.3	4195.3	3729.2	3229.1	2754.5	2449.4	2110.4	2000.2	1907.0	1923.9
7.5°	4890.3	4644.5	3983.5	3144.4	2347.7	1839.2	1500.2	1347.6	1279.8	1237.4	1245.9
10°	5119.2	4780.1	3729.2	2551.1	1729.0	1347.6	1186.6	1127.2	1101.8	1093.3	1093.3
12.5°	5432.8	4941.2	3474.9	2051.1	1364.5	1161.1	1076.4	1042.5	1017.1	1000.1	1000.1
15°	5805.7	5144.6	3178.3	1686.6	1195.0	1067.9	1000.1	966.2	932.3	923.8	923.8
17.5°	6280.3	5356.5	2915.5	1449.3	1110.3	1000.1	932.3	889.9	864.5	856.0	856.0
20°	6805.8	5619.2	2652.8	1313.7	1051.0	932.3	864.5	830.6	805.2	788.2	796.7
22.5°	7475.3	5949.8	2483.3	1245.9	1000.1	873.0	805.2	771.3	745.8	728.9	737.4
25°	8212.7	6365.0	2390.1	1245.9	966.2	830.6	754.3	720.4	695.0	678.0	678.0
27.5°	9111.1	6831.2	2398.5	1296.7	957.7	796.7	711.9	678.0	652.6	627.2	627.2
30°	10102.7	7382.1	2491.8	1390.0	974.7	762.8	678.0	627.2	610.2	584.8	584.8
32.5°	11153.7	8017.8	2729.1	1508.6	957.7	720.4	627.2	584.8	559.4	542.4	542.4
35°	12263.9	8738.2	3025.7	1559.5	873.0	661.1	584.8	542.4	525.5	517.0	508.5
37.5°	13323.4	9365.3	3186.8	1457.8	762.8	610.2	534.0	491.6	483.1	466.1	466.1
40°	14145.5	9882.4	3093.5	1245.9	703.5	559.4	491.6	449.2	432.2	415.3	415.3
42.5°	14628.6	10068.8	2754.5	1059.4	661.1	508.5	449.2	406.8	389.9	381.4	381.4
45°	14908.3	10043.4	2356.2	949.2	618.7	466.1	406.8	381.4	356.0	347.5	339.0
47.5°	14899.8	9780.6	2068.0	856.0	576.3	432.2	381.4	356.0	330.5	322.1	322.1
50°	14840.5	9390.8	1745.9	788.2	542.4	406.8	356.0	339.0	313.6	305.1	296.6
52.5°	14984.6	9170.4	1457.8	745.8	500.1	389.9	347.5	322.1	288.2	279.7	279.7
55°	15162.5	9043.3	1169.6	703.5	466.1	381.4	330.5	305.1	271.2	262.7	262.7
57.5°	14645.5	8560.2	966.2	635.7	423.8	364.4	313.6	296.6	262.7	237.3	237.3
60°	13018.3	7077.0	796.7	559.4	389.9	339.0	296.6	271.2	237.3	203.4	203.4
62.5°	10585.8	5398.8	661.1	474.6	364.4	313.6	271.2	245.8	203.4	161.0	161.0
64°	9195.8	4585.2	593.3	415.3	347.5	288.2	245.8	220.4	178.0	135.6	127.1
65°	8246.6	4051.3	550.9	389.9	339.0	271.2	237.3	211.9	161.0	127.1	118.7
67.5°	5805.7	2720.6	440.7	322.1	296.6	228.8	203.4	178.0	144.1	110.2	101.7
70°	3381.7	1542.5	347.5	271.2	228.8	178.0	169.5	161.0	127.1	84.8	84.8
72.5°	1839.2	771.3	262.7	220.4	178.0	127.1	144.1	127.1	101.7	67.8	59.3
75°	1127.2	474.6	194.9	161.0	118.7	93.2	110.2	93.2	59.3	42.4	33.9
77.5°	754.3	305.1	144.1	110.2	76.3	59.3	76.3	50.9	25.4	8.5	8.5
80°	466.1	211.9	93.2	67.8	42.4	25.4	17.0	8.5	8.5	0.0	0.0
82.5°	203.4	135.6	50.9	33.9	17.0	8.5	8.5	0.0	0.0	0.0	0.0
85°	110.2	42.4	17.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.9	17.0	8.5	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

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

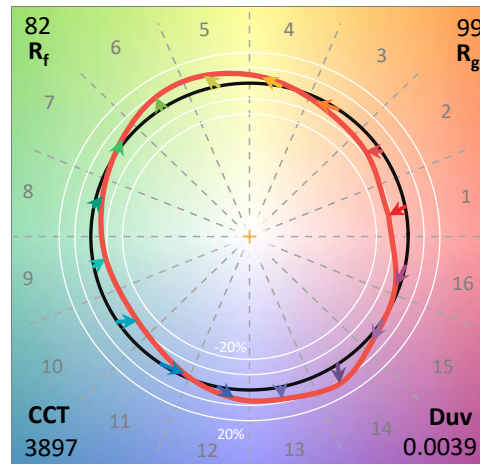
**Test Information**

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

REPORT NUMBER: SP1-2407-184-11

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

REPORT NUMBER: SP1-2407-184-11

**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

REPORT NUMBER: SP1-2407-184-11

**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**

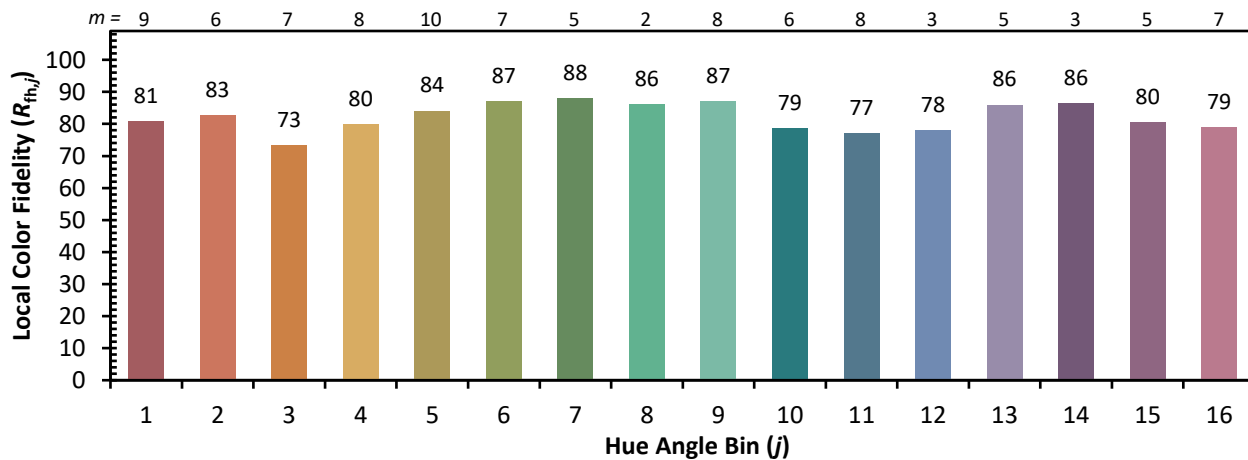


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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)