

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: P1458468

Luminaire Tested: GLAN-SB4B-850-U-T3LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1458468  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-850-U-T3LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 450mA 4xLight Square PACKAGE 80CRI 5000K FIXTURE w/ TYPE III LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (104) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

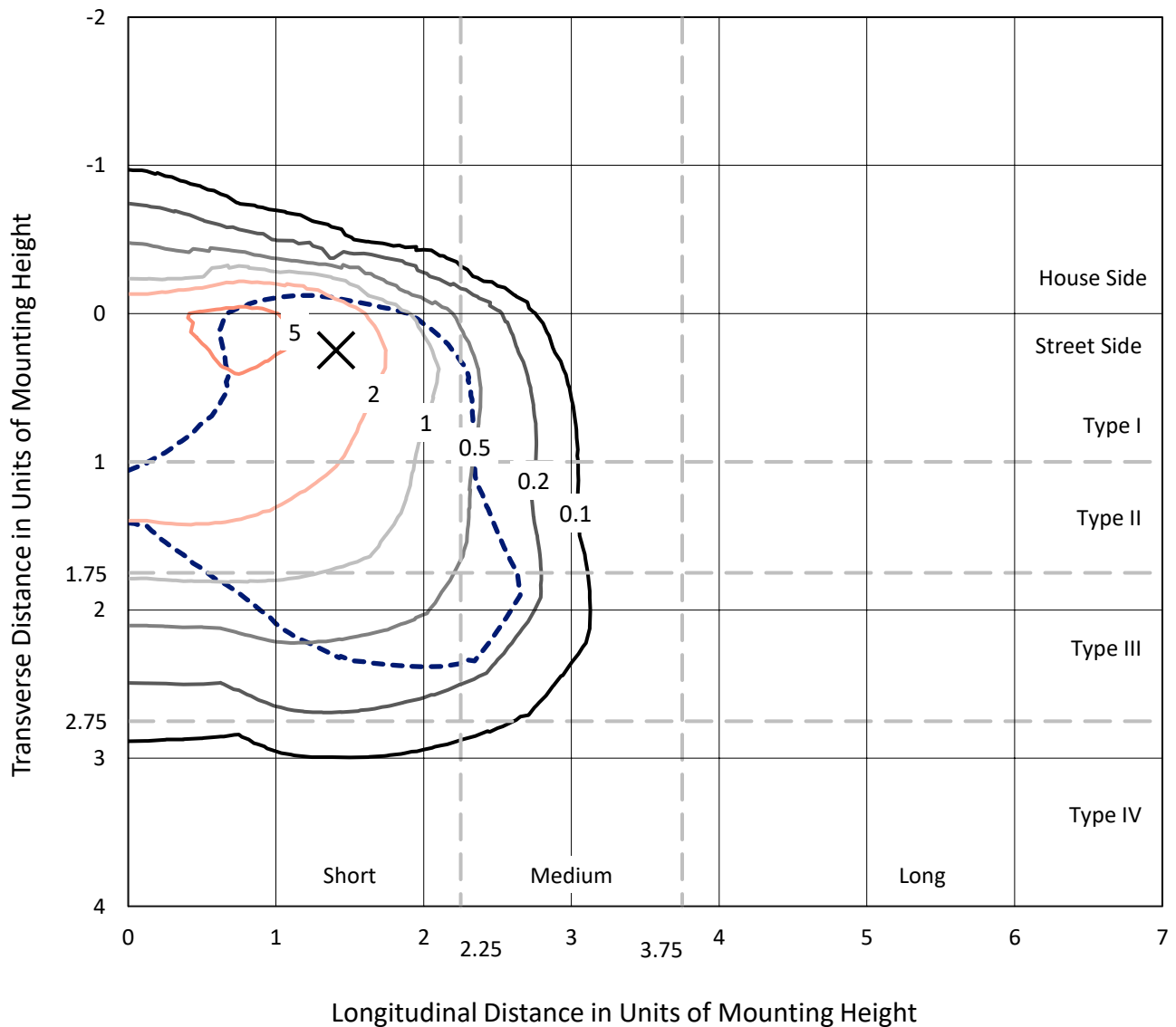
Lumens per Lamp: N/A  
Luminaire Lumens: 16497.1 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 147  
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: P1458468  
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### Iso-Footcandle Lines of Horizontal Illumination

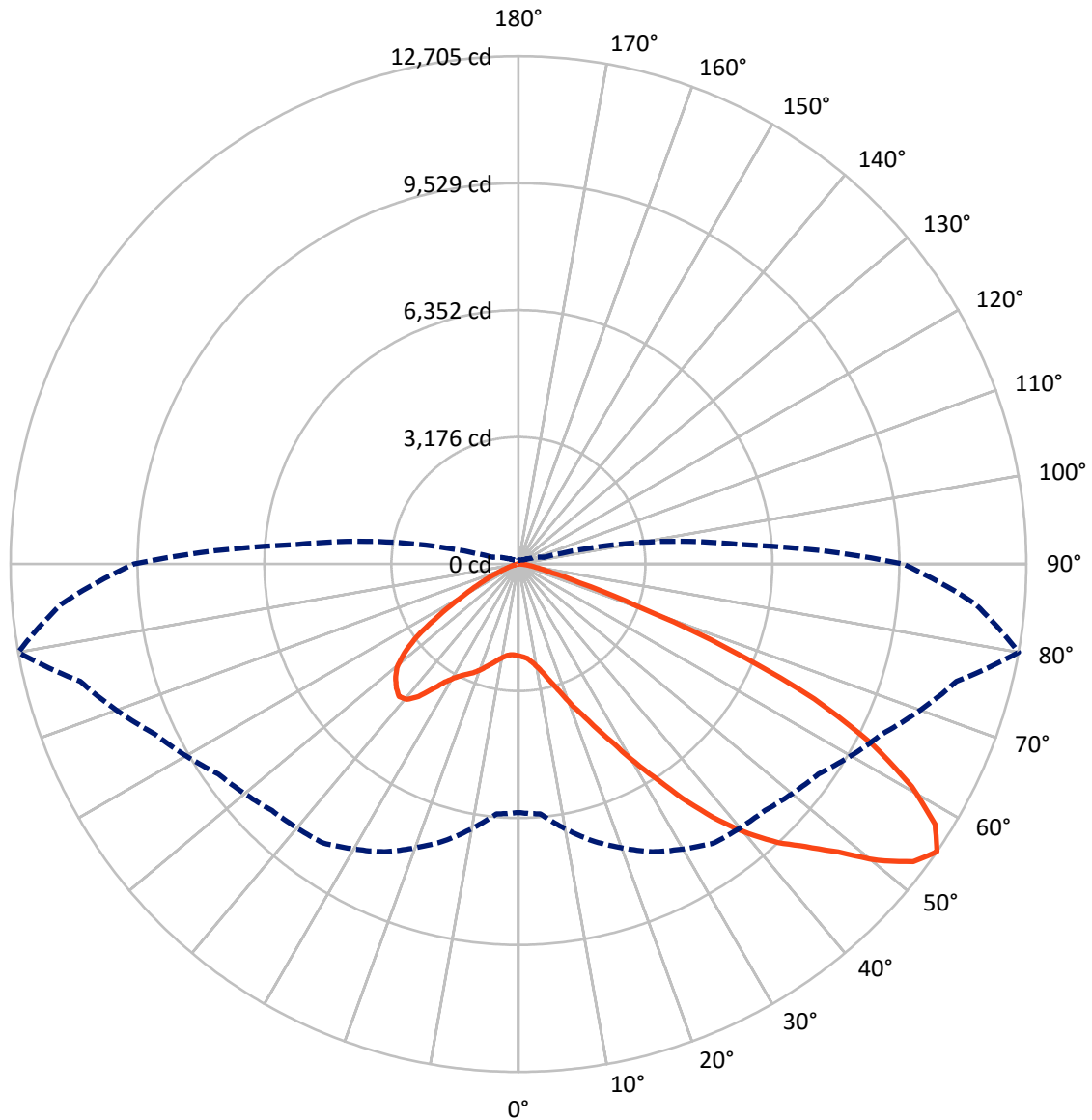
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	2005.4	0.0	2005.4
	% Fixture	12.2	0.0	12.2
<b>Street Side</b>	Lumens	14491.7	0.0	14491.7
	% Fixture	87.8	0.0	87.8
<b>Total</b>	Lumens	16497.1	0.0	16497.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.9	1.2
10°-20°	508.4	3.1
20°-30°	995.3	6.0
30°-40°	2025.0	12.3
40°-50°	3413.8	20.7
50°-60°	4361.8	26.4
60°-70°	3723.9	22.6
70°-80°	1190.0	7.2
80°-90°	85.9	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°	16497.1	100.0
0°-180°	16497.1	100.0



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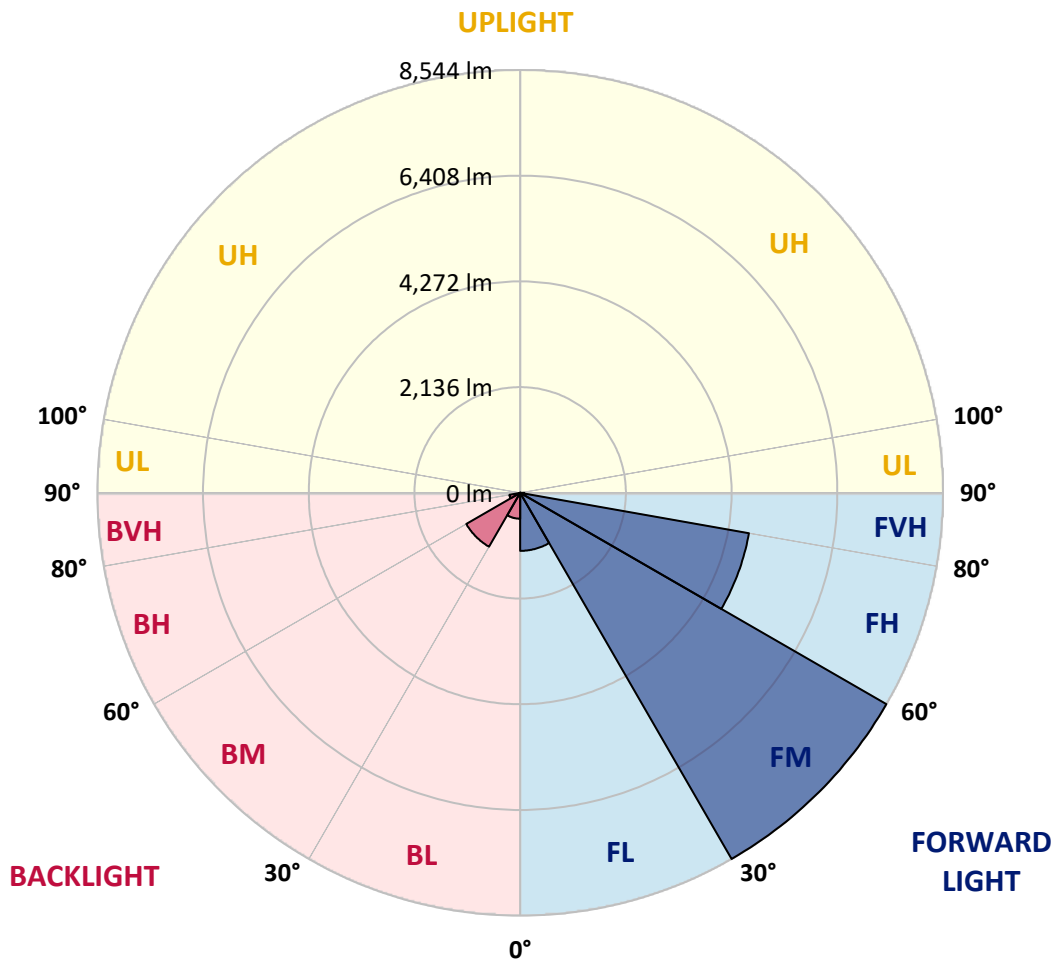
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1173.0	7.1			
FM	(30°-60°)	8543.7	51.8			
FH	(60°-80°)	4693.5	28.5			G2/5000
FVH	(80°-90°)	81.5	0.5			G1/100
BL	(0°-30°)	523.7	3.2	B2/1000		
BM	(30°-60°)	1256.8	7.6	B2/2500		
BH	(60°-80°)	220.4	1.3	B1/500		G1/500
BVH	(80°-90°)	4.5	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-G2**

Type III Short





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CATALOG NUMBER: GLAN-SB4B-850-U-T3LG-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0
2.5°	2312.1	2316.8	2312.1	2316.8	2326.2	2321.5	2340.2	2335.5	2335.5	2330.8	2312.1
5°	2180.8	2185.5	2194.8	2218.3	2251.1	2283.9	2326.2	2354.3	2382.4	2377.7	2359.0
7.5°	1922.8	1932.2	1969.7	2016.6	2124.5	2223.0	2330.8	2401.2	2462.2	2480.9	2466.9
10°	1777.4	1786.8	1810.3	1857.2	1955.7	2119.8	2330.8	2476.2	2584.1	2621.6	2626.3
12.5°	1763.4	1768.1	1786.8	1838.4	1922.8	2063.5	2326.2	2574.7	2757.6	2813.9	2832.7
15°	1772.8	1782.1	1800.9	1843.1	1941.6	2101.0	2363.7	2729.5	2987.4	3067.1	3071.8
17.5°	1810.3	1819.7	1843.1	1890.0	1997.9	2199.5	2480.9	2888.9	3264.1	3353.2	3404.8
20°	1885.3	1890.0	1918.1	1979.1	2101.0	2321.5	2654.4	3104.7	3597.1	3728.4	3765.9
22.5°	1983.8	1997.9	2035.4	2110.4	2265.2	2490.3	2893.6	3367.3	3962.9	4098.9	4164.6
25°	2091.7	2110.4	2166.7	2288.6	2485.6	2748.2	3189.1	3714.3	4394.4	4558.5	4647.6
27.5°	2312.1	2316.8	2354.3	2509.1	2762.3	3085.9	3564.3	4159.9	4900.9	5093.2	5191.6
30°	2795.1	2799.8	2767.0	2809.2	3067.1	3484.5	4005.1	4680.5	5491.8	5759.1	5838.8
32.5°	3386.1	3409.5	3404.8	3376.7	3493.9	3883.2	4530.4	5304.2	6185.9	6467.3	6542.3
35°	4056.7	4113.0	4098.9	4089.5	4103.6	4394.4	5130.7	5993.6	6973.8	7316.1	7377.1
37.5°	4713.3	4727.3	4793.0	4872.7	4882.1	5083.8	5824.8	6725.2	7705.4	8141.5	8235.3
40°	5219.8	5266.7	5430.8	5590.3	5754.4	5913.9	6396.9	7316.1	8286.9	8873.2	8915.4
42.5°	5613.7	5726.3	5965.5	6214.0	6547.0	6725.2	6940.9	7733.5	8760.6	9525.0	9506.3
45°	6092.1	6139.0	6476.7	6804.9	7142.6	7414.6	7409.9	8085.3	9131.1	10083.1	9965.9
47.5°	6415.7	6472.0	6931.6	7316.1	7663.2	7799.2	7827.3	8465.1	9642.3	10758.5	10481.8
50°	6589.2	6687.7	7189.5	7677.3	8052.4	8094.6	8221.3	8962.3	10312.9	11654.2	11133.7
52.5°	6608.0	6701.8	7278.6	7907.1	8315.1	8399.5	8615.2	9525.0	10964.8	12371.8	11508.8
55°	6218.7	6275.0	7170.8	7944.6	8521.4	8718.4	9159.2	10045.6	11344.7	12704.8	11476.0
57.5°	5852.9	5909.2	6687.7	7878.9	8732.5	9135.8	9740.8	10402.0	11049.2	12292.0	10744.4
60°	5538.7	5566.8	6275.0	7574.1	8812.2	9543.8	10242.6	10050.3	10284.8	11302.5	9492.2
62.5°	4947.8	4966.5	5806.0	7025.4	8652.7	9858.0	10416.1	9304.6	9445.3	9937.8	8019.6
65°	3737.8	3808.1	4577.3	6612.7	8390.1	10003.4	10012.8	8394.8	8249.4	8132.2	6307.8
67.5°	2537.2	2616.9	3081.2	5946.7	7963.3	10064.4	9229.6	7217.6	6284.4	5679.4	4131.7
70°	2026.0	2026.0	2185.5	4778.9	6950.3	9285.9	8258.8	5449.6	3991.0	3137.5	2213.6
72.5°	1331.9	1336.6	1486.7	3034.3	4929.0	7081.6	6734.6	3151.6	2072.9	1599.2	1092.7
75°	483.1	483.1	651.9	1214.7	2607.5	4216.2	4103.6	1505.4	1125.6	872.3	661.3
77.5°	257.9	267.3	314.2	501.8	998.9	1716.5	1603.9	769.1	637.8	544.0	412.7
80°	173.5	178.2	211.0	309.5	483.1	661.3	515.9	431.5	431.5	365.8	276.7
82.5°	93.8	98.5	140.7	201.7	257.9	309.5	248.6	253.3	304.8	248.6	159.5
85°	65.7	65.7	107.9	145.4	145.4	150.1	107.9	159.5	178.2	154.8	107.9
87.5°	37.5	37.5	61.0	70.3	70.3	65.7	32.8	56.3	70.3	79.7	46.9
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-SB4B-850-U-T3LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0	2298.0
2.5°	2307.4	2293.3	2265.2	2208.9	2180.8	2143.3	2110.4	2068.2	2058.8	2054.1	2035.4
5°	2344.9	2316.8	2232.4	2110.4	2007.2	1908.8	1810.3	1754.0	1707.1	1683.6	1679.0
7.5°	2438.7	2382.4	2227.7	2011.9	1819.7	1650.8	1505.4	1378.8	1313.2	1256.9	1261.6
10°	2579.4	2490.3	2237.0	1918.1	1632.1	1360.1	1149.0	966.1	834.8	773.8	769.1
12.5°	2767.0	2640.4	2269.9	1824.3	1402.3	1022.4	755.1	647.2	619.1	614.4	609.7
15°	2996.8	2818.6	2302.7	1702.4	1092.7	708.2	614.4	590.9	586.2	581.5	581.5
17.5°	3273.5	3024.9	2321.5	1496.1	797.3	609.7	576.8	562.8	558.1	553.4	553.4
20°	3620.5	3254.7	2344.9	1233.4	675.3	586.2	548.7	530.0	525.3	525.3	520.6
22.5°	3962.9	3512.7	2326.2	1003.6	651.9	558.1	515.9	497.1	487.7	487.7	483.1
25°	4356.9	3775.3	2269.9	905.1	647.2	534.6	483.1	454.9	440.8	436.2	436.2
27.5°	4807.1	4075.5	2180.8	909.8	647.2	515.9	440.8	403.3	393.9	384.6	384.6
30°	5323.0	4441.3	2115.1	970.8	656.6	497.1	403.3	356.4	342.4	333.0	337.7
32.5°	5913.9	4849.3	2110.4	1069.3	670.6	469.0	361.1	309.5	295.5	290.8	295.5
35°	6584.5	5355.8	2218.3	1144.3	633.1	408.0	309.5	267.3	253.3	253.3	257.9
37.5°	7330.2	5937.3	2363.7	1125.6	511.2	323.6	267.3	234.5	220.4	225.1	229.8
40°	8010.2	6392.2	2387.1	961.4	384.6	276.7	229.8	206.4	197.0	201.7	206.4
42.5°	8526.1	6758.0	2162.0	745.7	323.6	234.5	197.0	178.2	173.5	182.9	182.9
45°	8943.5	6903.4	1805.6	553.4	286.1	201.7	173.5	164.1	154.8	159.5	159.5
47.5°	9379.7	6926.9	1472.6	445.5	253.3	182.9	159.5	150.1	140.7	140.7	140.7
50°	9801.7	6870.6	1125.6	393.9	234.5	164.1	145.4	136.0	126.6	121.9	121.9
52.5°	9904.9	6420.4	825.4	365.8	215.7	154.8	136.0	126.6	117.2	112.6	112.6
55°	9618.8	5566.8	647.2	328.3	197.0	140.7	126.6	117.2	103.2	98.5	98.5
57.5°	8676.2	4244.3	515.9	281.4	178.2	136.0	117.2	107.9	93.8	89.1	89.1
60°	7452.1	3010.9	417.4	229.8	164.1	121.9	107.9	93.8	84.4	75.0	75.0
62.5°	6096.8	2162.0	337.7	192.3	154.8	107.9	98.5	84.4	65.7	51.6	51.6
65°	4675.8	1552.3	262.6	154.8	140.7	93.8	84.4	70.3	51.6	37.5	37.5
67.5°	3024.9	1003.6	197.0	136.0	107.9	79.7	65.7	56.3	46.9	32.8	28.1
70°	1594.5	586.2	145.4	117.2	79.7	61.0	56.3	46.9	37.5	23.4	23.4
72.5°	825.4	384.6	107.9	103.2	61.0	42.2	46.9	37.5	28.1	14.1	14.1
75°	530.0	257.9	79.7	84.4	37.5	32.8	32.8	23.4	14.1	9.4	4.7
77.5°	342.4	173.5	56.3	70.3	23.4	18.8	18.8	9.4	4.7	0.0	0.0
80°	201.7	107.9	37.5	46.9	9.4	9.4	4.7	0.0	0.0	0.0	0.0
82.5°	103.2	56.3	18.8	18.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	65.7	28.1	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.8	9.4	4.7	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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-12  
 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-850-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

**Spectral Parameters**

CCT (K): 4760  
 CIE u': 0.2107  
 CIE v': 0.4939  
 Duv: 0.0050  
 CIE x: 0.3537  
 CIE y: 0.3685  
 CIE z: 0.2779  
 Peak Wavelength (nm): 443  
 Dominant Wavelength (nm): 571  
 Purity: 16.69598  
 Rf: 82  
 Rg: 99.4

CRI (Ra):	81.1		
R1:	79.8	R9:	8.7
R2:	83.5	R10:	62.4
R3:	87.9	R11:	83.8
R4:	83.1	R12:	63.0
R5:	80.5	R13:	79.9
R6:	79.1	R14:	93.3
R7:	86.1	R15:	72.7
R8:	69.0		



**Test Conditions**

Stabilization Time: 21M  
 Operation Time: 1H 21M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-12

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 5000K 7-step quadrangle

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**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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-12

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

**Summary**

$R_f = 82$   
 $R_g = 99.4$   
 $CIE R_a = 81.1$   
 $R_9 = 8.7$



**Color Vector Graphics**



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

CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)