

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: P1456706

Luminaire Tested: GLAN-SB4D-840-U-T3LG

Issue Date: 05/20/2026

Test Information

Test Method: LM-79-2024
Report Number: P1456706
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-840-U-T3LG
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 4xLight Square
PACKAGE 80CRI 4000K FIXTURE w/ TYPE III LOW GLARE
Light Source: (104) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38045.9 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

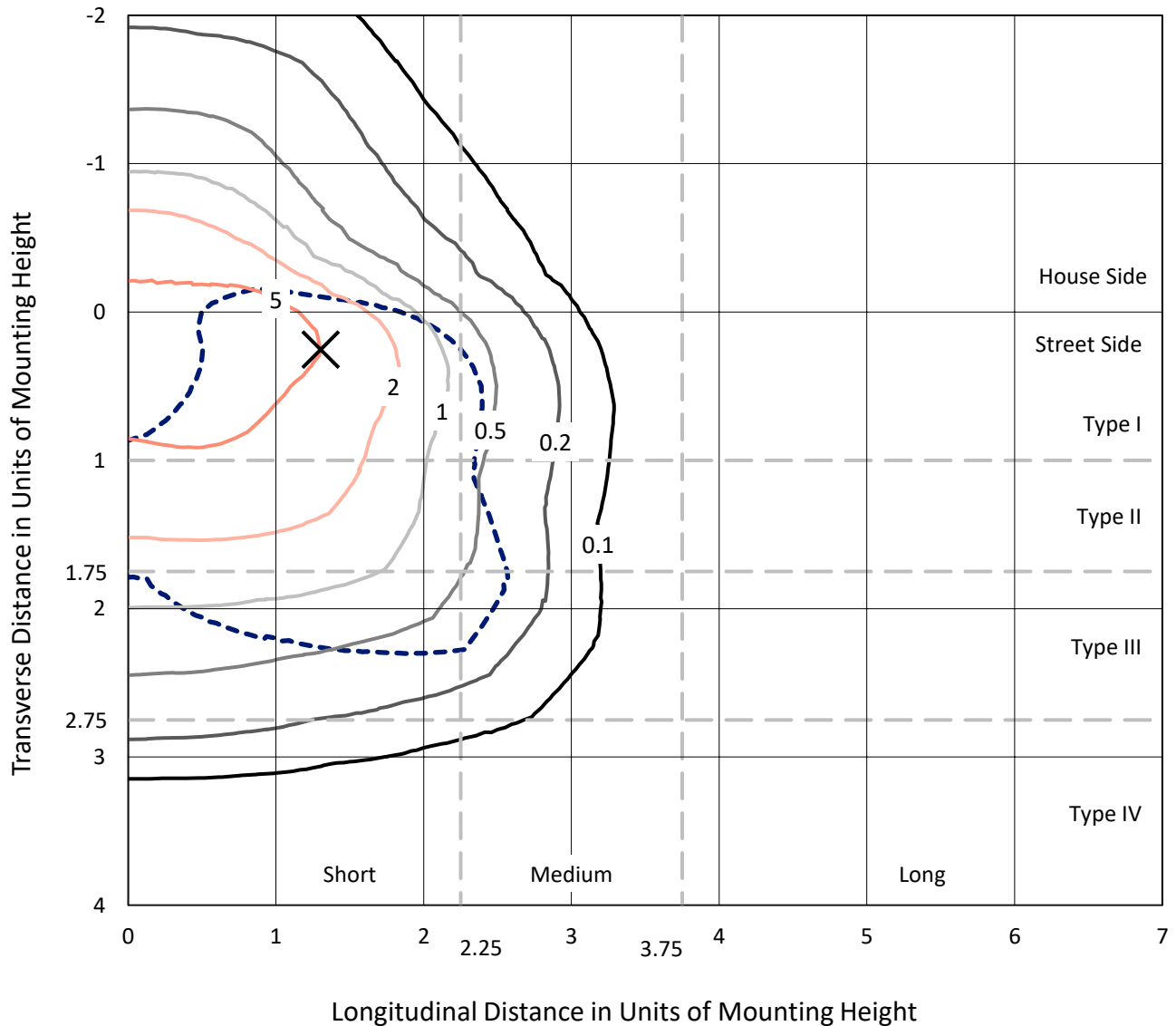
Input Watts (W): 293.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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CATALOG NUMBER: GLAN-SB4D-840-U-T3LG

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

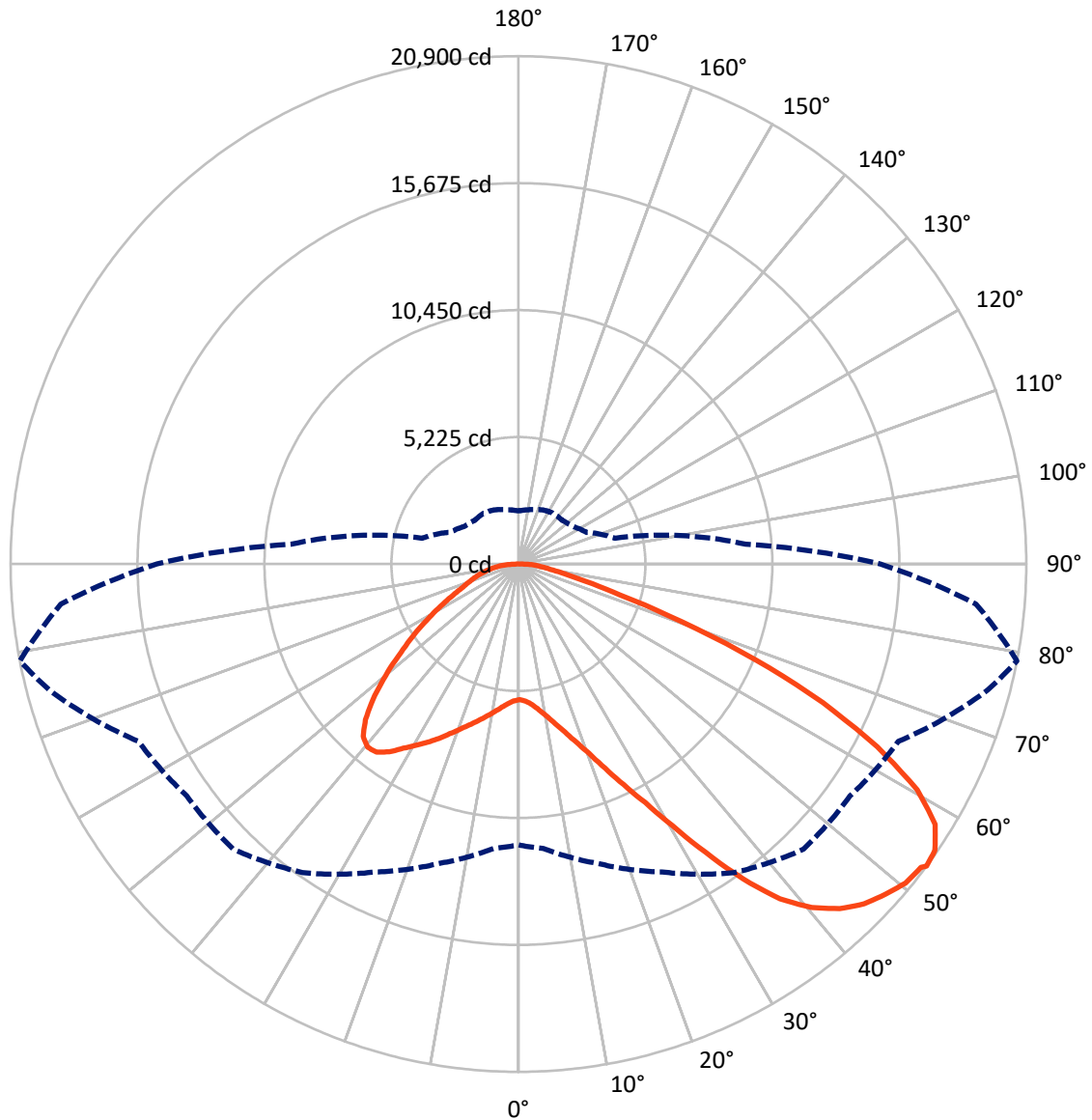


Based on 30 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 53-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9591.1	0.0	9591.1
	% Fixture	25.2	0.0	25.2
Street Side	Lumens	28454.8	0.0	28454.8
	% Fixture	74.8	0.0	74.8
Total	Lumens	38045.9	0.0	38045.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.2	1.4
10°-20°	1648.0	4.3
20°-30°	3150.8	8.3
30°-40°	5409.7	14.2
40°-50°	7577.3	19.9
50°-60°	8599.3	22.6
60°-70°	7541.0	19.8
70°-80°	2948.7	7.8
80°-90°	638.9	1.7
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°	38045.9	100.0
0°-180°	38045.9	100.0



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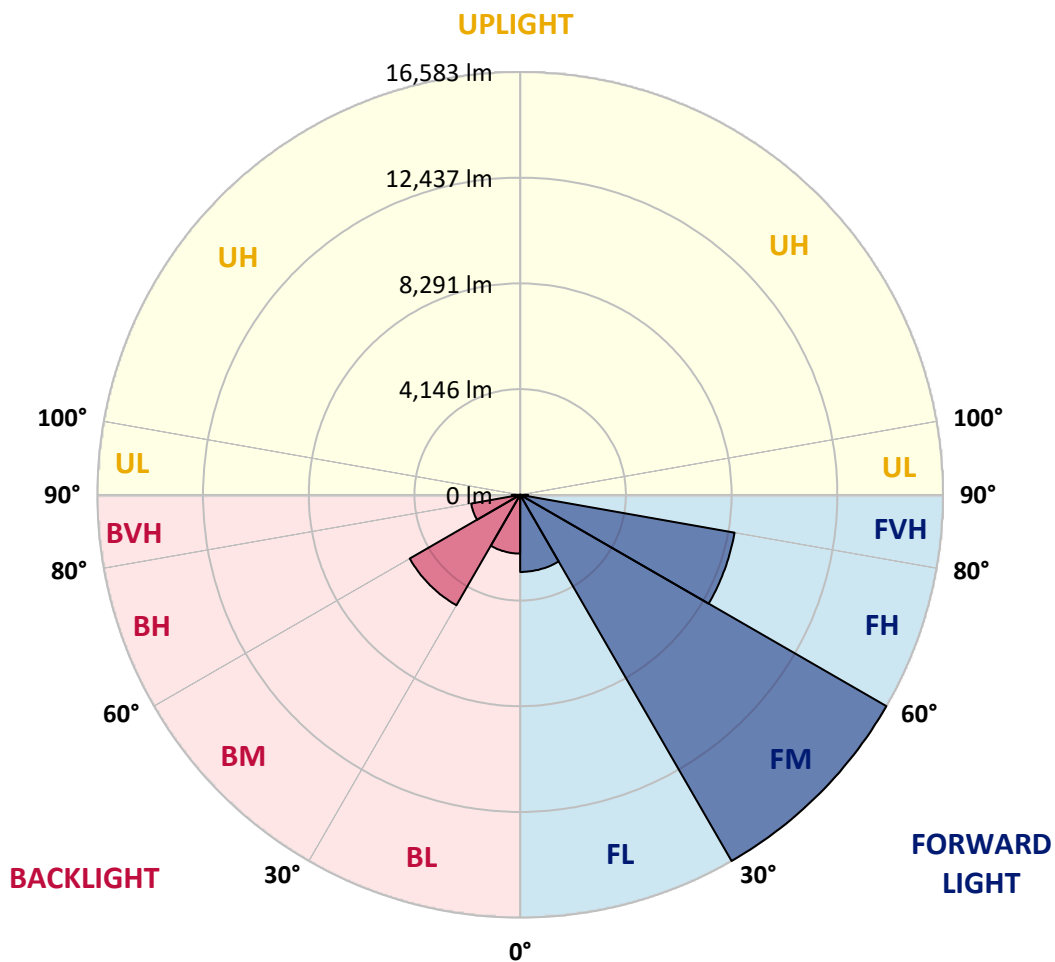
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3024.3	7.9			
FM (30°-60°)	16582.8	43.6			
FH (60°-80°)	8537.8	22.4			G4/12000
FVH (80°-90°)	309.9	0.8			G3/500
BL (0°-30°)	2306.7	6.1	B3/2500		
BM (30°-60°)	5003.4	13.2	B4/8500		
BH (60°-80°)	1951.9	5.1	B3/2500		G3/2500
BVH (80°-90°)	329.0	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2
2.5°	5593.7	5593.7	5559.8	5593.7	5576.8	5602.2	5619.1	5619.1	5653.0	5644.6	5644.6
5°	5500.5	5483.5	5475.0	5534.4	5568.3	5636.1	5712.4	5746.3	5805.6	5805.6	5814.1
7.5°	5254.7	5246.2	5288.6	5407.2	5517.4	5686.9	5848.0	5941.2	6034.4	6051.4	6051.4
10°	5102.1	5093.7	5144.5	5288.6	5466.6	5712.4	5966.6	6161.5	6314.1	6356.5	6356.5
12.5°	5102.1	5102.1	5144.5	5288.6	5475.0	5771.7	6119.2	6449.7	6687.0	6737.9	6720.9
15°	5246.2	5237.7	5288.6	5441.1	5619.1	5898.8	6322.6	6763.3	7085.4	7178.6	7187.1
17.5°	5398.8	5390.3	5466.6	5661.5	5873.4	6153.1	6585.3	7127.7	7585.4	7704.1	7729.5
20°	5636.1	5627.6	5720.8	5907.3	6170.0	6492.1	6941.3	7560.0	8195.6	8322.8	8356.7
22.5°	5907.3	5915.8	6017.5	6246.3	6509.0	6932.8	7483.7	8170.2	8933.0	9127.9	9161.8
25°	6475.1	6449.7	6534.5	6695.5	6975.2	7483.7	8161.7	8907.5	9814.4	10051.7	10094.1
27.5°	7229.4	7187.1	7280.3	7441.3	7644.7	8119.3	8899.1	9729.7	10823.0	11119.6	11128.1
30°	7907.5	7882.0	8009.2	8339.7	8551.6	8916.0	9746.6	10695.8	12068.8	12501.1	12518.0
32.5°	8492.3	8483.8	8721.1	9144.9	9628.0	10017.8	10823.0	11916.3	13645.2	14145.3	14035.1
35°	9051.6	9077.1	9373.7	9814.4	10458.5	11238.3	12051.9	13297.8	15306.4	15908.2	15730.2
37.5°	9619.5	9636.4	10026.3	10594.1	11272.2	12289.2	13382.5	14797.9	16747.2	17493.0	17103.2
40°	10144.9	10195.8	10721.3	11331.5	12212.9	13246.9	14467.4	15840.4	17857.5	18594.8	18171.1
42.5°	10670.4	10746.7	11314.5	12153.6	13094.4	14170.7	15221.7	16476.0	18569.4	19391.5	18738.9
45°	11212.8	11263.7	11967.1	12840.1	13908.0	14899.6	15653.9	16882.8	19061.0	19950.9	19061.0
47.5°	11577.3	11679.0	12450.2	13458.8	14526.7	15459.0	16001.4	17052.3	19374.6	20315.3	19179.6
50°	11721.4	11865.4	12696.0	13814.8	15035.2	15984.4	16272.6	17145.6	19722.0	20637.4	19154.2
52.5°	11695.9	11831.5	12738.4	13975.8	15442.0	16467.5	16535.3	17247.3	19967.8	20747.6	18933.8
53°	11560.3	11746.8	12763.8	13984.3	15501.3	16594.7	16654.0	17255.7	20001.7	20900.1	18899.9
55°	11094.2	11195.9	12501.1	13975.8	15781.0	17069.3	16984.5	17510.0	20095.0	20798.4	18527.0
57.5°	10670.4	10772.1	11907.8	13814.8	16009.9	17738.8	17518.5	17467.6	19586.4	20222.1	17586.3
60°	10399.2	10433.1	11390.8	13306.2	15916.6	18205.0	17866.0	16967.6	18332.1	18857.6	15933.6
62.5°	10170.4	10161.9	11009.4	12577.4	15560.7	18272.8	17933.8	15730.2	16493.0	16577.7	13730.0
65°	9653.4	9594.0	10416.2	11755.3	14823.3	17967.7	17103.2	13857.1	14052.1	13772.4	11026.4
67.5°	8627.9	8500.7	9229.6	10500.9	13323.2	17103.2	15518.3	11679.0	11077.2	10517.9	8305.8
70°	6178.5	6178.5	6763.3	8034.6	10695.8	14780.9	13323.2	8839.7	7627.8	7127.7	5551.3
72.5°	3025.7	3102.0	3712.2	4746.2	7170.1	10729.7	10204.3	5729.3	4627.5	4381.7	3559.6
75°	1288.2	1296.7	1584.9	2101.9	3635.9	6348.0	6390.4	3305.4	2966.4	2847.7	2356.1
77.5°	898.4	915.3	1042.5	1237.4	1729.0	2915.5	3322.3	2000.2	1991.7	1906.9	1678.1
80°	686.5	703.5	788.2	923.8	1161.1	1491.7	1720.5	1356.0	1423.9	1339.1	1212.0
82.5°	517.0	533.9	593.3	695.0	830.6	1000.1	966.2	1000.1	1050.9	1000.1	873.0
85°	347.5	356.0	398.3	483.1	533.9	601.7	601.7	728.9	762.8	745.8	686.5
87.5°	178.0	178.0	211.9	254.3	271.2	279.7	245.8	322.1	364.4	398.3	322.1
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°	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2	5585.2
2.5°	5644.6	5653.0	5627.6	5619.1	5610.7	5568.3	5568.3	5525.9	5517.4	5525.9	5500.5
5°	5831.0	5814.1	5746.3	5695.4	5636.1	5517.4	5449.6	5356.4	5331.0	5305.5	5280.1
7.5°	6059.8	6034.4	5915.8	5780.2	5619.1	5390.3	5263.2	5110.6	5059.8	5017.4	5000.4
10°	6348.0	6297.2	6110.7	5822.5	5525.9	5246.2	5068.2	4881.8	4797.0	4780.1	4737.7
12.5°	6720.9	6627.7	6280.2	5831.0	5441.1	5076.7	4881.8	4737.7	4703.8	4695.3	4652.9
15°	7136.2	7000.6	6441.2	5839.5	5331.0	4932.6	4814.0	4737.7	4737.7	4729.2	4703.8
17.5°	7644.7	7424.4	6593.8	5805.6	5195.4	4890.3	4830.9	4763.1	4746.2	4754.6	4720.7
20°	8255.0	7890.5	6754.8	5763.2	5136.0	4898.7	4830.9	4737.7	4695.3	4686.8	4661.4
22.5°	8958.4	8424.5	6932.8	5695.4	5136.0	4890.3	4780.1	4652.9	4568.2	4534.3	4500.4
25°	9763.6	9043.2	7119.3	5670.0	5153.0	4856.4	4678.4	4475.0	4339.4	4288.5	4263.1
27.5°	10738.2	9695.8	7254.9	5695.4	5144.5	4780.1	4500.4	4237.7	4085.1	4000.3	3983.4
30°	11814.6	10399.2	7348.1	5737.8	5093.7	4636.0	4288.5	3991.9	3780.0	3678.3	3652.9
32.5°	13085.9	11187.4	7441.3	5737.8	4966.5	4432.6	4042.7	3720.7	3500.3	3381.6	3364.7
35°	14492.8	12153.6	7526.1	5729.3	4814.0	4212.2	3796.9	3466.4	3237.6	3118.9	3110.4
37.5°	15687.8	12882.5	7568.5	5644.6	4602.1	3958.0	3568.1	3237.6	3000.3	2873.1	2864.7
40°	16425.1	13187.6	7483.7	5475.0	4347.8	3695.2	3313.8	3008.7	2771.4	2618.9	2585.0
42.5°	16704.8	13043.5	7212.5	5195.4	4042.7	3432.5	3102.0	2779.9	2466.3	2339.2	2313.8
45°	16611.6	12484.1	6636.2	4797.0	3703.7	3195.2	2915.5	2551.1	2347.7	2237.5	2229.0
47.5°	16298.0	11619.6	5915.8	4297.0	3347.7	2983.3	2669.7	2491.7	2305.3	2186.6	2178.2
50°	15747.1	10695.8	5051.3	3729.1	3025.7	2763.0	2610.4	2466.3	2313.8	2220.5	2203.6
52.5°	15043.7	9653.4	4254.6	3178.2	2746.0	2568.0	2551.1	2449.4	2330.7	2229.0	2186.6
53°	14882.6	9382.2	4102.0	3085.0	2703.6	2542.6	2534.1	2449.4	2313.8	2220.5	2186.6
55°	14111.4	8543.1	3619.0	2754.5	2491.7	2457.8	2534.1	2440.9	2271.4	2195.1	2169.7
57.5°	12874.0	7441.3	3152.8	2449.4	2271.4	2356.1	2508.7	2407.0	2220.5	2084.9	2042.5
60°	11382.3	6178.5	2796.9	2246.0	2110.4	2229.0	2407.0	2288.3	2034.1	1966.3	1957.8
62.5°	9602.5	5000.4	2525.6	2076.5	1974.7	2093.4	2254.4	2051.0	1864.6	1813.7	1796.8
65°	7500.6	3974.9	2313.8	1949.3	1839.1	1932.4	2042.5	1915.4	1796.8	1754.4	1745.9
67.5°	5576.8	3118.9	2144.3	1839.1	1703.5	1762.9	1890.0	1856.1	1754.4	1729.0	1720.5
70°	3847.8	2534.1	1991.7	1737.4	1534.0	1601.8	1796.8	1822.2	1720.5	1703.5	1695.1
72.5°	2695.1	2144.3	1830.7	1627.3	1398.4	1466.2	1754.4	1754.4	1644.2	1669.6	1652.7
75°	2025.6	1805.2	1644.2	1491.7	1228.9	1330.6	1695.1	1678.1	1567.9	1678.1	1635.7
77.5°	1525.6	1457.8	1423.9	1322.1	1076.4	1178.1	1576.4	1542.5	1398.4	1406.9	1330.6
80°	1110.3	1127.2	1220.4	1127.2	898.4	974.7	1330.6	1313.7	1135.7	1169.6	1076.4
82.5°	796.7	839.1	1042.5	906.9	652.6	695.0	915.3	991.6	889.9	839.1	856.0
85°	601.7	627.2	839.1	669.5	406.8	457.7	627.2	711.9	695.0	644.1	652.6
87.5°	254.3	288.2	389.9	313.6	237.3	237.3	389.9	500.0	449.2	381.4	398.3
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

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /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 $R_a = 80.2$
 $R_9 = 6.7$

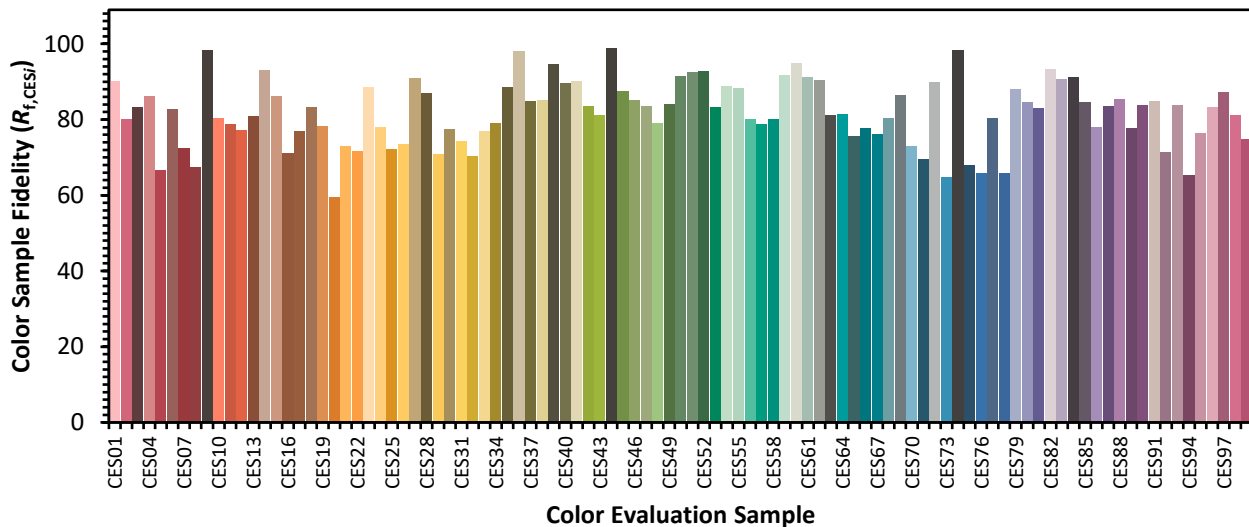


Color Vector Graphics



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)