

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: P1458182

Luminaire Tested: GLAN-SB4D-730-U-T3LG-HSS

Issue Date: 05/20/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1458182  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 5/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-730-U-T3LG-HSS  
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 4xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE III LOW GLARE WITH HOUSE SIDE SHIELD  
Light Source: (104) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

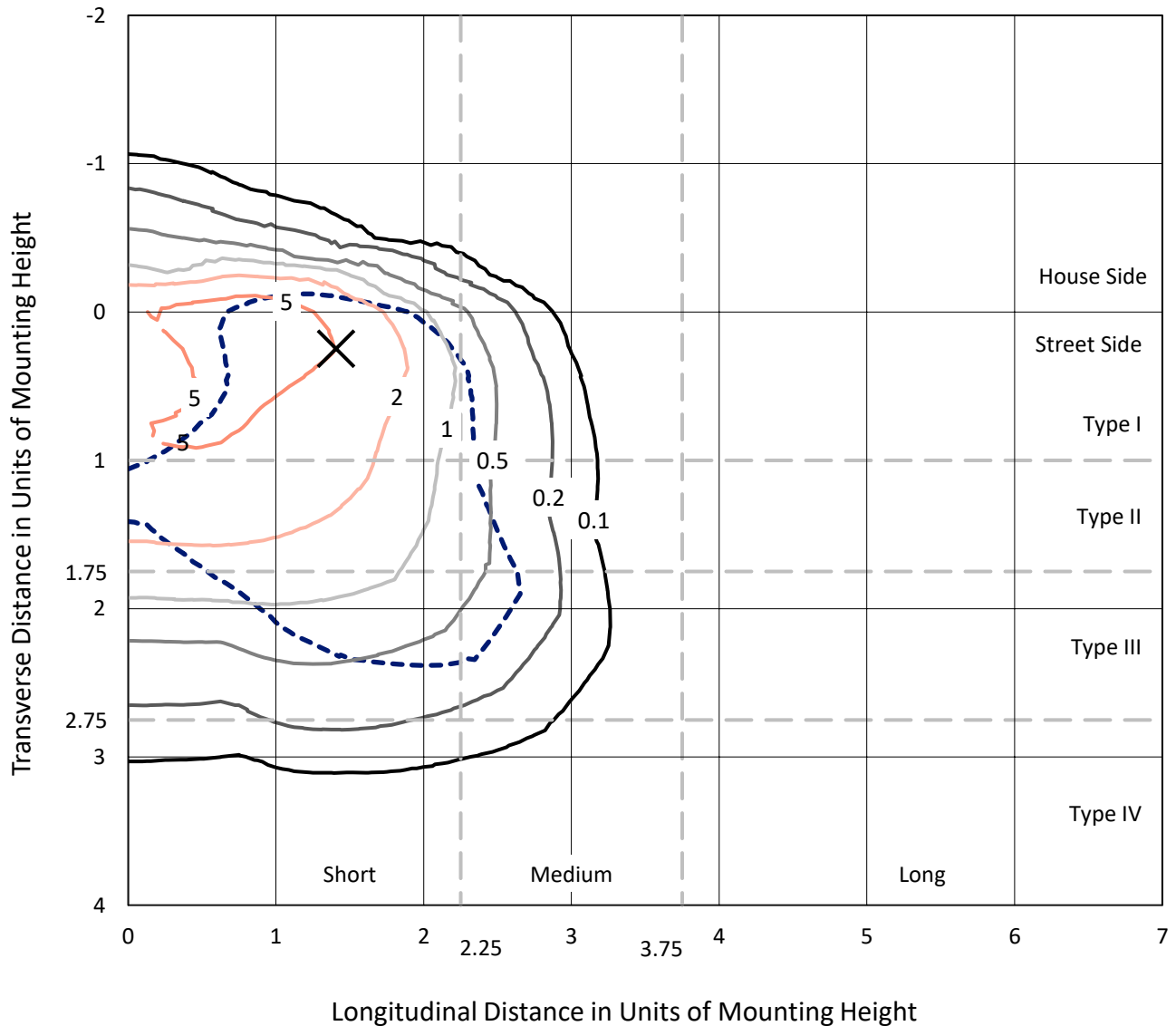
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31164.5 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 293.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1458182  
 CATALOG NUMBER: GLAN-SB4D-730-U-T3LG-HSS

### Iso-Footcandle Lines of Horizontal Illumination

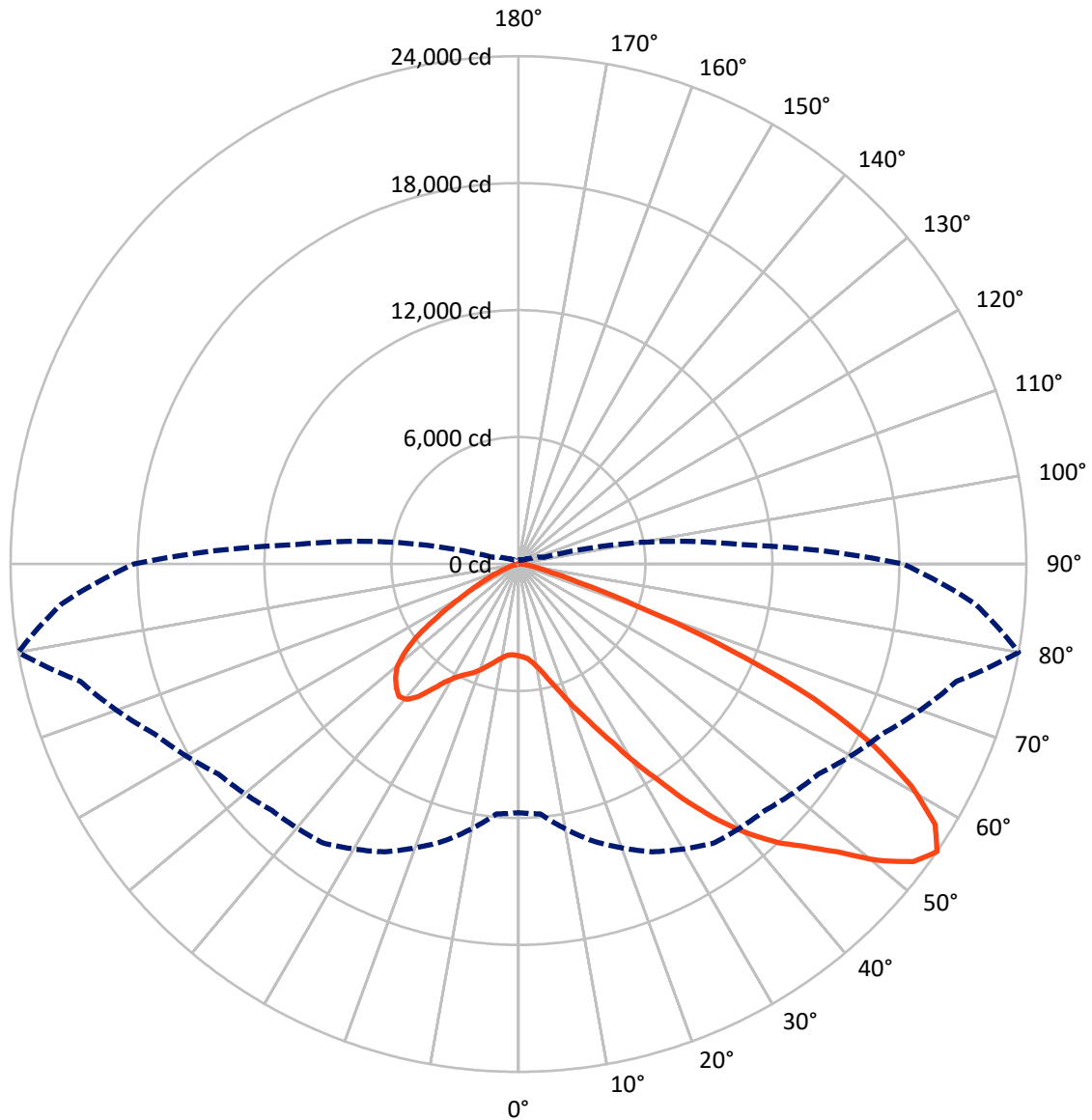
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.5 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	3788.4	0.0	3788.4
	% Fixture	12.2	0.0	12.2
<b>Street Side</b>	Lumens	27376.1	0.0	27376.1
	% Fixture	87.8	0.0	87.8
<b>Total</b>	Lumens	31164.5	0.0	31164.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.3	1.2
10°-20°	960.5	3.1
20°-30°	1880.3	6.0
30°-40°	3825.3	12.3
40°-50°	6449.0	20.7
50°-60°	8239.8	26.4
60°-70°	7034.9	22.6
70°-80°	2248.1	7.2
80°-90°	162.3	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°	31164.5	100.0
0°-180°	31164.5	100.0



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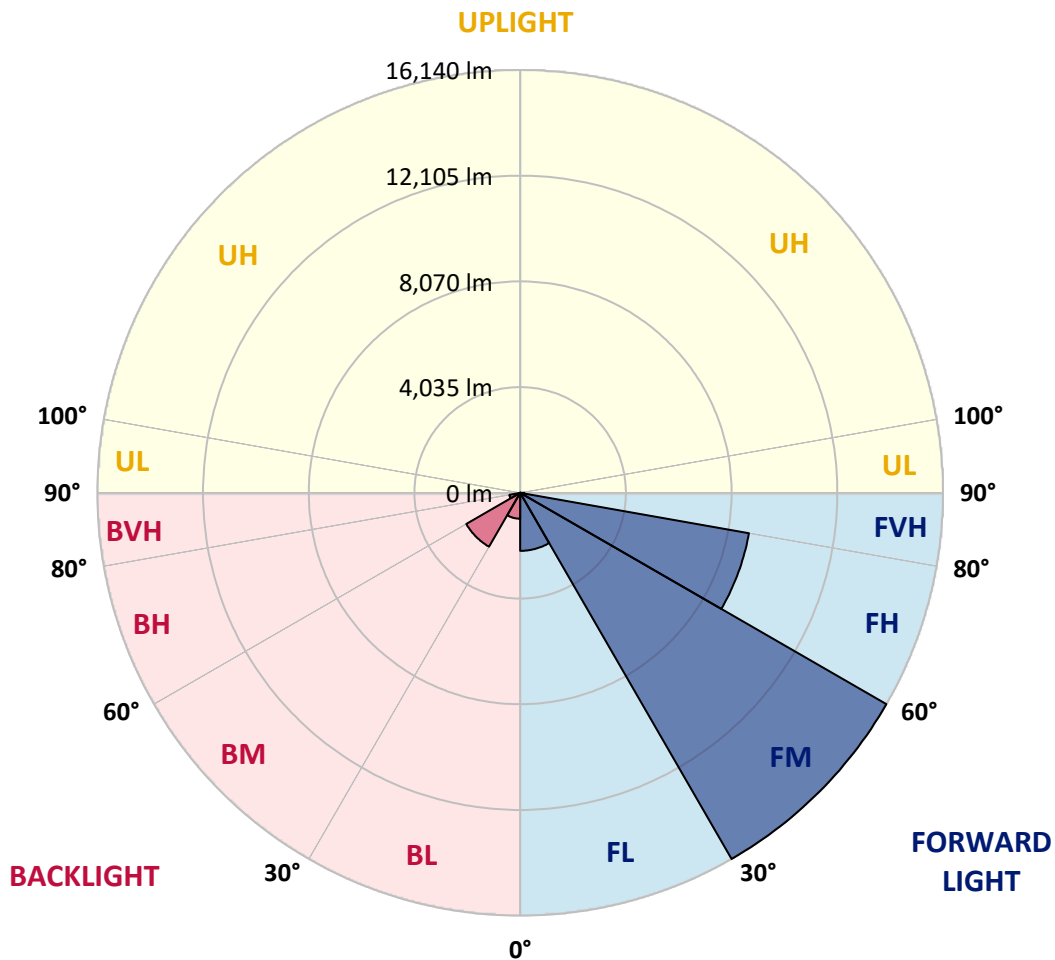
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2215.8	7.1			
FM	(30°-60°)	16139.8	51.8			
FH	(60°-80°)	8866.5	28.5			G4/12000
FVH	(80°-90°)	153.9	0.5			G2/225
BL	(0°-30°)	989.2	3.2	B2/1000		
BM	(30°-60°)	2374.3	7.6	B2/2500		
BH	(60°-80°)	416.4	1.3	B1/500		G1/500
BVH	(80°-90°)	8.5	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2
2.5°	4367.7	4376.6	4367.7	4376.6	4394.3	4385.5	4420.9	4412.0	4412.0	4403.2	4367.7
5°	4119.7	4128.5	4146.3	4190.6	4252.6	4314.6	4394.3	4447.5	4500.6	4491.8	4456.3
7.5°	3632.4	3650.1	3721.0	3809.6	4013.4	4199.4	4403.2	4536.1	4651.2	4686.7	4660.1
10°	3357.8	3375.5	3419.8	3508.4	3694.4	4004.5	4403.2	4677.8	4881.6	4952.5	4961.3
12.5°	3331.2	3340.0	3375.5	3472.9	3632.4	3898.2	4394.3	4863.9	5209.4	5315.7	5351.1
15°	3348.9	3366.6	3402.1	3481.8	3667.8	3969.1	4465.2	5156.2	5643.5	5794.1	5803.0
17.5°	3419.8	3437.5	3481.8	3570.4	3774.2	4155.1	4686.7	5457.5	6166.2	6334.6	6432.0
20°	3561.5	3570.4	3623.5	3738.7	3969.1	4385.5	5014.5	5865.0	6795.2	7043.3	7114.2
22.5°	3747.6	3774.2	3845.0	3986.8	4279.1	4704.4	5466.3	6361.1	7486.3	7743.2	7867.2
25°	3951.3	3986.8	4093.1	4323.4	4695.5	5191.7	6024.5	7016.7	8301.4	8611.4	8779.8
27.5°	4367.7	4376.6	4447.5	4739.8	5218.3	5829.6	6733.2	7858.4	9258.2	9621.4	9807.5
30°	5280.3	5289.1	5227.1	5306.8	5794.1	6582.6	7566.0	8841.8	10374.5	10879.5	11030.1
32.5°	6396.6	6440.9	6432.0	6378.9	6600.3	7335.7	8558.3	10020.1	11685.7	12217.3	12359.0
35°	7663.5	7769.8	7743.2	7725.5	7752.1	8301.4	9692.3	11322.5	13174.1	13820.8	13936.0
37.5°	8903.8	8930.4	9054.4	9205.0	9222.8	9603.7	11003.5	12704.5	14556.2	15380.1	15557.3
40°	9860.6	9949.2	10259.3	10560.5	10870.6	11171.8	12084.4	13820.8	15654.8	16762.2	16841.9
42.5°	10604.8	10817.5	11269.3	11738.9	12367.9	12704.5	13112.1	14609.3	16549.6	17993.7	17958.2
45°	11508.5	11597.1	12235.0	12855.2	13493.0	14006.9	13998.0	15273.8	17249.5	19048.0	18826.5
47.5°	12119.8	12226.1	13094.4	13820.8	14476.4	14733.4	14786.5	15991.4	18215.2	20323.7	19801.0
50°	12447.6	12633.7	13581.6	14503.0	15211.8	15291.5	15530.7	16930.5	19482.1	22015.9	21032.5
52.5°	12483.1	12660.2	13750.0	14937.1	15707.9	15867.4	16274.9	17993.7	20713.5	23371.4	21741.2
55°	11747.7	11854.0	13546.2	15008.0	16097.7	16469.8	17302.6	18977.1	21431.2	24000.4	21679.2
57.5°	11056.7	11163.0	12633.7	14884.0	16496.4	17258.3	18401.2	19650.4	20873.0	23220.8	20297.1
60°	10463.1	10516.2	11854.0	14308.1	16647.0	18029.1	19349.2	18985.9	19428.9	21351.4	17931.7
62.5°	9346.8	9382.2	10968.1	13271.6	16345.8	18622.7	19677.0	17577.3	17843.1	18773.3	15149.8
65°	7061.0	7193.9	8646.9	12491.9	15849.7	18897.3	18915.1	15858.5	15583.9	15362.4	11916.0
67.5°	4793.0	4943.6	5820.7	11233.9	15043.5	19012.5	17435.5	13634.8	11871.7	10728.9	7805.2
70°	3827.3	3827.3	4128.5	9027.8	13129.8	17541.8	15601.6	10294.8	7539.4	5927.0	4181.7
72.5°	2516.1	2525.0	2808.5	5732.1	9311.4	13377.9	12722.3	5953.6	3915.9	3021.1	2064.3
75°	912.5	912.5	1231.5	2294.6	4925.9	7964.7	7752.1	2843.9	2126.3	1647.9	1249.2
77.5°	487.3	505.0	593.6	948.0	1887.1	3242.6	3030.0	1453.0	1204.9	1027.7	779.6
80°	327.8	336.7	398.7	584.7	912.5	1249.2	974.5	815.1	815.1	691.0	522.7
82.5°	177.2	186.0	265.8	381.0	487.3	584.7	469.6	478.4	575.9	469.6	301.2
85°	124.0	124.0	203.8	274.6	274.6	283.5	203.8	301.2	336.7	292.4	203.8
87.5°	70.9	70.9	115.2	132.9	132.9	124.0	62.0	106.3	132.9	150.6	88.6
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: P1458182

CATALOG NUMBER: GLAN-SB4D-730-U-T3LG-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2	4341.2
2.5°	4358.9	4332.3	4279.1	4172.8	4119.7	4048.8	3986.8	3907.0	3889.3	3880.5	3845.0
5°	4429.8	4376.6	4217.1	3986.8	3791.9	3605.8	3419.8	3313.5	3224.9	3180.6	3171.7
7.5°	4606.9	4500.6	4208.3	3800.7	3437.5	3118.5	2843.9	2604.7	2480.7	2374.3	2383.2
10°	4872.7	4704.4	4226.0	3623.5	3083.1	2569.3	2170.6	1825.1	1577.0	1461.8	1453.0
12.5°	5227.1	4987.9	4288.0	3446.4	2649.0	1931.4	1426.4	1222.6	1169.5	1160.6	1151.7
15°	5661.2	5324.6	4350.0	3216.0	2064.3	1337.8	1160.6	1116.3	1107.4	1098.6	1098.6
17.5°	6183.9	5714.4	4385.5	2826.2	1506.1	1151.7	1089.7	1063.1	1054.3	1045.4	1045.4
20°	6839.5	6148.5	4429.8	2330.1	1275.8	1107.4	1036.6	1001.1	992.3	992.3	983.4
22.5°	7486.3	6635.8	4394.3	1895.9	1231.5	1054.3	974.5	939.1	921.4	921.4	912.5
25°	8230.5	7131.9	4288.0	1709.9	1222.6	1010.0	912.5	859.4	832.8	823.9	823.9
27.5°	9081.0	7698.9	4119.7	1718.7	1222.6	974.5	832.8	761.9	744.2	726.5	726.5
30°	10055.5	8390.0	3995.6	1833.9	1240.3	939.1	761.9	673.3	646.7	629.0	637.9
32.5°	11171.8	9160.7	3986.8	2020.0	1266.9	886.0	682.2	584.7	558.1	549.3	558.1
35°	12438.8	10117.6	4190.6	2161.7	1196.0	770.8	584.7	505.0	478.4	478.4	487.3
37.5°	13847.4	11216.1	4465.2	2126.3	965.7	611.3	505.0	443.0	416.4	425.3	434.1
40°	15132.1	12075.5	4509.5	1816.2	726.5	522.7	434.1	389.8	372.1	381.0	389.8
42.5°	16106.6	12766.6	4084.2	1408.7	611.3	443.0	372.1	336.7	327.8	345.5	345.5
45°	16895.1	13041.2	3410.9	1045.4	540.4	381.0	327.8	310.1	292.4	301.2	301.2
47.5°	17719.0	13085.5	2781.9	841.7	478.4	345.5	301.2	283.5	265.8	265.8	265.8
50°	18516.4	12979.2	2126.3	744.2	443.0	310.1	274.6	256.9	239.2	230.3	230.3
52.5°	18711.3	12128.7	1559.3	691.0	407.5	292.4	256.9	239.2	221.5	212.6	212.6
55°	18170.9	10516.2	1222.6	620.2	372.1	265.8	239.2	221.5	194.9	186.0	186.0
57.5°	16390.1	8017.9	974.5	531.6	336.7	256.9	221.5	203.8	177.2	168.3	168.3
60°	14077.8	5687.8	788.5	434.1	310.1	230.3	203.8	177.2	159.5	141.8	141.8
62.5°	11517.4	4084.2	637.9	363.2	292.4	203.8	186.0	159.5	124.0	97.5	97.5
65°	8832.9	2932.5	496.1	292.4	265.8	177.2	159.5	132.9	97.5	70.9	70.9
67.5°	5714.4	1895.9	372.1	256.9	203.8	150.6	124.0	106.3	88.6	62.0	53.2
70°	3012.2	1107.4	274.6	221.5	150.6	115.2	106.3	88.6	70.9	44.3	44.3
72.5°	1559.3	726.5	203.8	194.9	115.2	79.7	88.6	70.9	53.2	26.6	26.6
75°	1001.1	487.3	150.6	159.5	70.9	62.0	62.0	44.3	26.6	17.7	8.9
77.5°	646.7	327.8	106.3	132.9	44.3	35.4	35.4	17.7	8.9	0.0	0.0
80°	381.0	203.8	70.9	88.6	17.7	17.7	8.9	0.0	0.0	0.0	0.0
82.5°	194.9	106.3	35.4	35.4	8.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	124.0	53.2	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	62.0	17.7	8.9	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-4  
 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-730-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

**Spectral Parameters**

CCT (K): 2985  
 CIE u': 0.2504  
 CIE v': 0.5243  
 Duv: 0.0019  
 CIE x: 0.4408  
 CIE y: 0.4101  
 CIE z: 0.1491  
 Peak Wavelength (nm): 595  
 Dominant Wavelength (nm): 582  
 Purity: 55.41818  
 Rf: 73.8  
 Rg: 94.4

CRI (Ra):	70.8		
R1:	66.3	R9:	-43.2
R2:	80.6	R10:	57.6
R3:	94.5	R11:	64.8
R4:	68.2	R12:	53.5
R5:	66.5	R13:	68.7
R6:	74.7	R14:	97.0
R7:	76.2	R15:	56.4
R8:	39.6		



**Test Conditions**

Stabilization Time: 36M  
 Operation Time: 1H 36M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

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: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

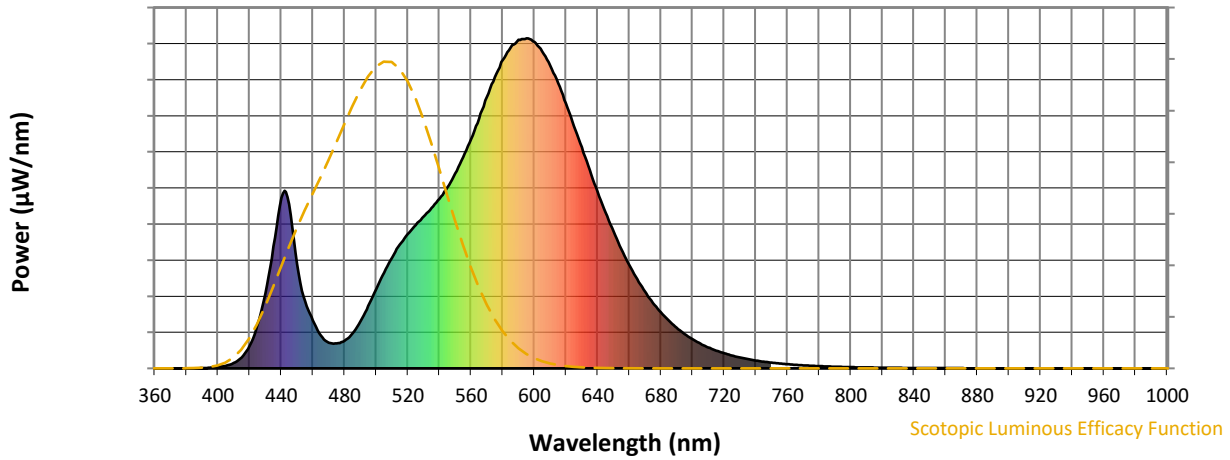


**Photopic Lumens: NR**

$\lambda$ (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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.19**

$\lambda$ (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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

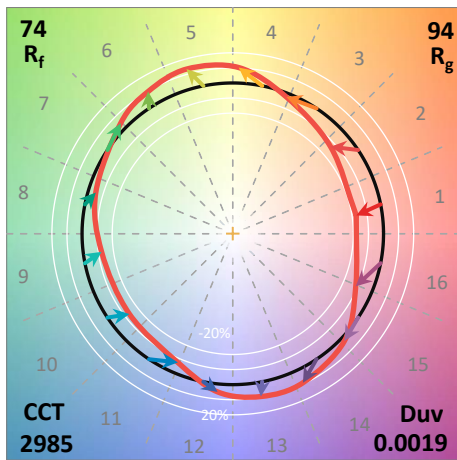
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

**Summary**

$R_f = 73.8$   
 $R_g = 94.4$   
 CIE  $R_a = 70.8$   
 $R_9 = -43.2$



**Color Vector Graphics**



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

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)