

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1048013

Luminaire Tested: **GALN-SA8A-840-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048013
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-840-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (112) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25984.2 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 217.6
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



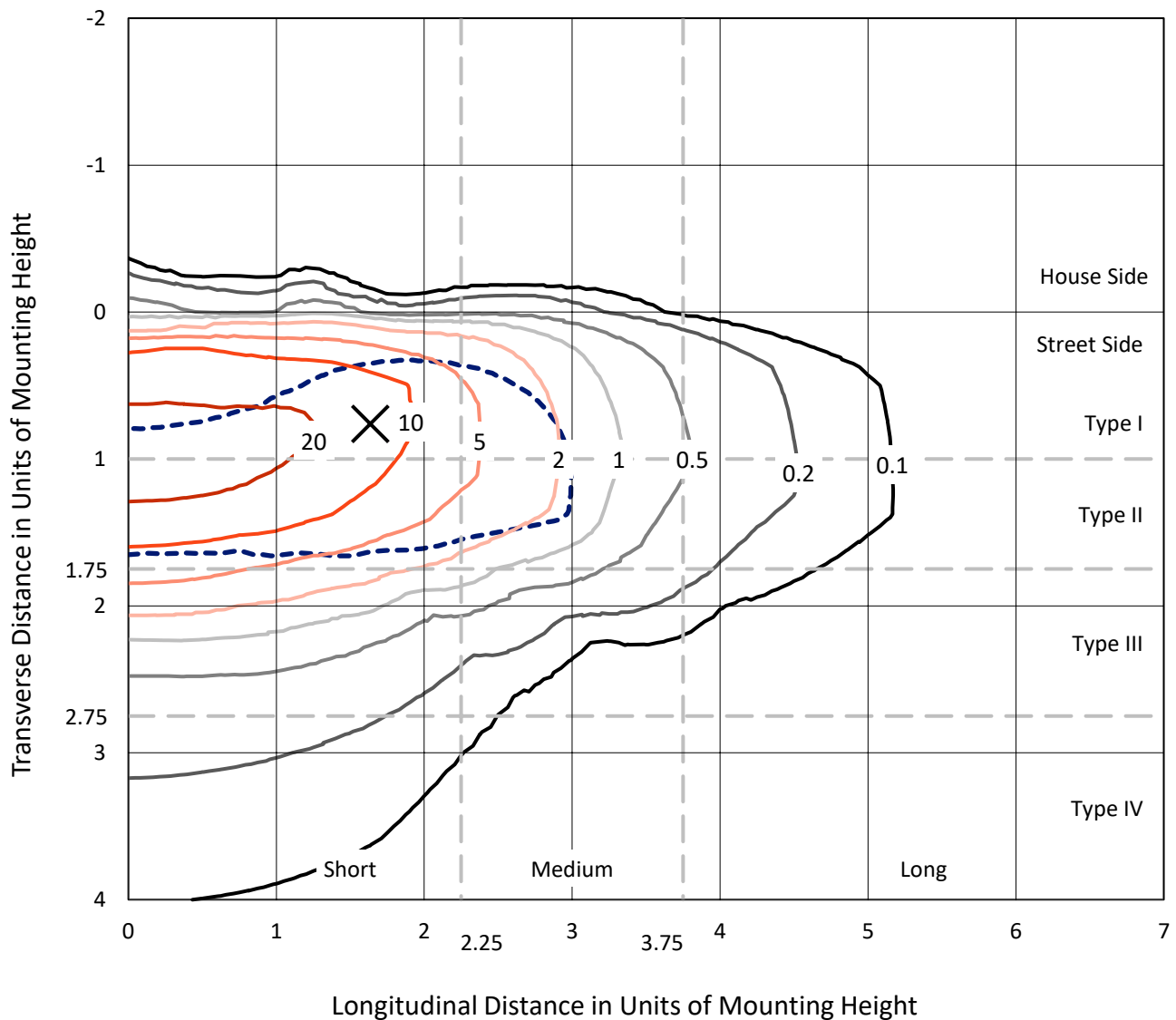
REPORT NUMBER: P1048013

CATALOG NUMBER: GALN-SA8A-840-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

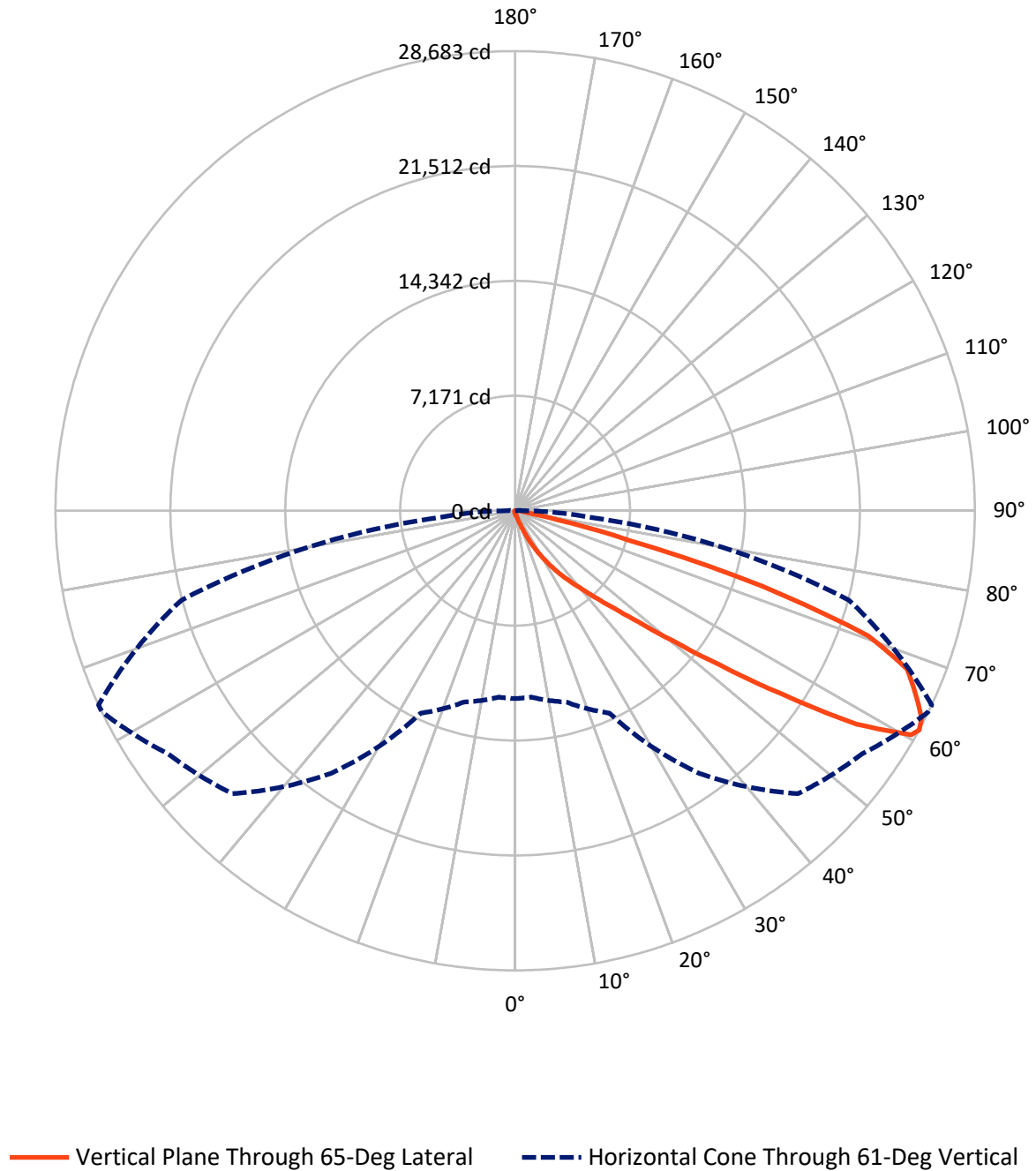


Based on 15 foot mounting height. Maximum calculated value = 34.4 fc
 Type II - Short - N/A

REPORT NUMBER: P1048013

CATALOG NUMBER: GALN-SA8A-840-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048013

CATALOG NUMBER: GALN-SA8A-840-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	110.9	0.0	110.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25873.3	0.0	25873.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	25984.2	0.0	25984.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.1
10°-20°	213.7	0.8
20°-30°	766.8	3.0
30°-40°	2041.6	7.9
40°-50°	5363.3	20.6
50°-60°	8308.8	32.0
60°-70°	6966.8	26.8
70°-80°	2050.2	7.9
80°-90°	252.9	1.0
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°	25984.2	100.0
0°-180°	25984.2	100.0



REPORT NUMBER: P1048013

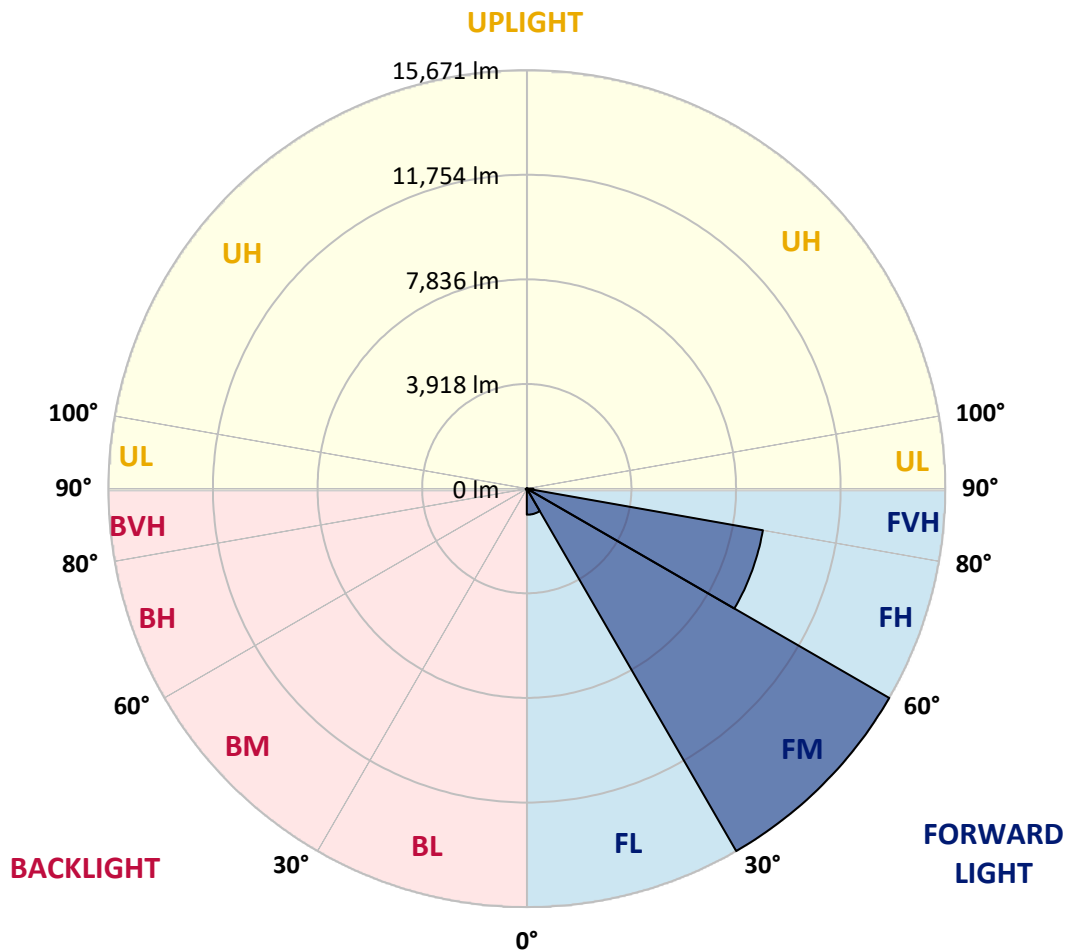
CATALOG NUMBER: GALN-SA8A-840-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	975.8	3.8			
FM	(30°-60°)	15671.4	60.3			
FH	(60°-80°)	8977.8	34.6			G4/12000
FVH	(80°-90°)	248.2	1.0			G3/500
BL	(0°-30°)	24.9	0.1	B0/110		
BM	(30°-60°)	42.2	0.2	B0/220		
BH	(60°-80°)	39.1	0.2	B0/110		G0/110
BVH	(80°-90°)	4.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type II Short



REPORT NUMBER: P1048013

CATALOG NUMBER: GALN-SA8A-840-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1
2.5°	193.0	194.8	191.3	184.1	178.7	178.7	177.0	171.6	171.6	166.2	162.7
5°	269.9	266.3	259.2	244.9	232.4	219.9	207.3	194.8	193.0	177.0	166.2
7.5°	441.5	445.1	421.8	377.1	339.6	291.4	246.7	219.9	216.3	189.5	168.0
10°	968.8	942.0	888.4	715.0	588.1	443.3	328.9	255.6	252.0	203.8	171.6
12.5°	1766.0	1744.5	1646.2	1467.5	1140.4	793.6	480.8	316.4	305.7	216.3	173.4
15°	2545.3	2511.3	2457.7	2277.2	1894.7	1422.8	786.5	432.6	404.0	234.2	171.6
17.5°	3042.2	3047.6	2999.3	2922.5	2675.8	2105.6	1358.5	645.3	589.9	266.3	168.0
20°	3476.6	3464.1	3490.9	3449.8	3276.4	2861.7	1976.9	1022.4	927.7	318.2	169.8
22.5°	3977.0	4007.4	4027.1	4018.2	3826.9	3473.0	2679.4	1530.0	1410.3	412.9	175.2
25°	4647.3	4643.8	4645.5	4622.3	4436.4	4043.2	3383.6	2161.0	2039.5	566.6	187.7
27.5°	5349.8	5371.2	5380.2	5296.2	5053.1	4667.0	4036.0	2851.0	2708.0	813.3	203.8
30°	6309.6	6291.8	6250.7	6079.1	5784.1	5305.1	4679.5	3574.9	3424.7	1158.3	228.8
32.5°	7603.8	7584.1	7376.7	6997.8	6556.3	5970.0	5326.6	4300.6	4118.3	1589.0	262.8
35°	9736.2	9766.5	9257.1	8275.8	7484.0	6769.0	6043.3	5022.7	4861.8	2119.9	309.2
37.5°	13001.8	12835.6	12143.8	10410.0	8704.8	7766.4	6727.9	5752.0	5612.5	2774.1	370.0
40°	16174.5	16010.1	15809.9	14167.2	10826.5	8865.7	7686.0	6608.2	6427.6	3512.3	459.4
42.5°	19509.9	19418.7	19409.8	18171.1	14698.1	10594.1	8838.9	7610.9	7457.2	4322.0	605.9
45°	21872.9	21781.7	21972.9	22189.2	19971.0	14297.7	10846.2	8913.9	8690.5	5305.1	840.1
47.5°	22191.0	22194.6	22705.8	23383.2	23889.1	20026.4	13520.2	10640.6	10368.9	6711.8	1233.3
50°	21132.9	21174.0	21987.2	23199.1	24561.2	24832.8	18235.4	13146.6	12744.4	8379.5	1791.0
52.5°	19118.4	19164.9	20298.1	22291.1	23942.7	25987.5	23787.2	16424.7	15961.8	10460.1	2577.5
55°	17304.2	17332.8	18632.2	21150.7	23197.3	25360.1	27083.2	20802.2	20194.5	13019.7	3353.2
57.5°	15507.8	15441.7	16287.1	19170.3	23070.4	24589.8	27569.4	25790.9	25120.6	15817.0	3957.4
60°	13105.5	12994.7	13673.9	15507.8	21401.0	25095.6	26659.6	28550.7	28398.8	19711.8	4423.9
61°	11723.8	11677.3	12360.1	13933.1	19996.0	24966.9	26441.5	28666.9	28683.0	21554.7	4633.0
62.5°	8372.3	8504.6	9548.5	11593.3	16748.3	24132.2	26470.1	28307.6	28466.7	24003.5	5174.6
65°	3721.4	3934.1	4745.6	6409.7	9739.7	20074.7	26216.3	27519.4	27440.7	24675.6	7040.7
67.5°	2207.5	2239.7	2643.6	3632.1	5158.5	10797.9	23134.8	26477.3	26371.8	21481.4	8760.2
70°	1739.2	1755.3	1884.0	2279.0	2994.0	4136.1	13203.8	22907.8	23367.1	17418.6	8576.1
72.5°	1649.8	1646.2	1664.1	1733.8	1885.7	2052.0	5112.1	15227.2	16162.0	12544.2	7190.9
75°	1628.4	1621.2	1603.3	1576.5	1365.6	1208.3	1583.7	6735.1	7276.7	8570.8	5414.1
77.5°	1580.1	1581.9	1585.5	1512.2	1170.8	854.4	766.8	2161.0	2657.9	5439.2	3848.3
80°	1068.9	1085.0	1111.8	1083.2	1052.8	618.5	541.6	768.6	779.3	3052.9	2541.7
82.5°	541.6	541.6	529.1	471.9	407.5	402.2	430.8	557.7	564.8	1544.3	1195.8
85°	327.1	345.0	352.1	320.0	293.1	269.9	328.9	443.3	459.4	598.8	278.8
87.5°	73.3	75.1	82.2	109.0	159.1	216.3	305.7	405.7	412.9	384.3	34.0
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: P1048013

CATALOG NUMBER: GALN-SA8A-840-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1	159.1
2.5°	160.9	157.3	155.5	150.1	144.8	139.4	135.8	134.1	135.8	137.6	137.6
5°	159.1	153.7	144.8	135.8	128.7	121.5	114.4	112.6	112.6	114.4	114.4
7.5°	159.1	150.1	137.6	126.9	116.2	105.5	100.1	96.5	98.3	98.3	98.3
10°	159.1	148.4	132.3	116.2	103.7	91.2	82.2	78.6	78.6	78.6	78.6
12.5°	157.3	146.6	126.9	107.2	89.4	75.1	64.3	59.0	60.8	60.8	60.8
15°	153.7	141.2	119.8	91.2	71.5	57.2	46.5	41.1	42.9	46.5	48.3
17.5°	148.4	135.8	107.2	76.9	57.2	42.9	32.2	28.6	30.4	35.7	35.7
20°	146.6	130.5	94.7	62.6	42.9	30.4	21.4	17.9	19.7	26.8	28.6
22.5°	146.6	126.9	85.8	51.8	32.2	19.7	12.5	7.1	7.1	12.5	12.5
25°	148.4	125.1	78.6	42.9	23.2	14.3	7.1	3.6	7.1	19.7	23.2
27.5°	151.9	123.3	75.1	35.7	17.9	12.5	5.4	12.5	21.4	21.4	21.4
30°	155.5	119.8	69.7	30.4	16.1	8.9	8.9	17.9	17.9	21.4	23.2
32.5°	160.9	118.0	66.1	26.8	12.5	7.1	12.5	10.7	10.7	12.5	14.3
35°	171.6	119.8	62.6	26.8	12.5	8.9	10.7	5.4	3.6	3.6	3.6
37.5°	185.9	121.5	57.2	23.2	10.7	10.7	5.4	0.0	0.0	0.0	0.0
40°	209.1	126.9	53.6	21.4	8.9	8.9	1.8	0.0	0.0	0.0	0.0
42.5°	248.5	137.6	51.8	19.7	8.9	7.1	0.0	0.0	0.0	0.0	0.0
45°	327.1	162.7	48.3	17.9	8.9	3.6	0.0	0.0	0.0	0.0	0.0
47.5°	470.1	221.6	46.5	14.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	686.4	300.3	44.7	12.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	875.8	316.4	30.4	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	897.3	218.1	23.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	715.0	141.2	19.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	541.6	107.2	17.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	520.1	96.5	17.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	573.8	84.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	933.0	69.7	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1621.2	60.8	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2048.4	57.2	10.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1785.6	51.8	10.7	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	1074.2	44.7	10.7	7.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	563.0	34.0	10.7	8.9	5.4	1.8	0.0	0.0	0.0	0.0	0.0
80°	273.5	30.4	12.5	8.9	7.1	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	107.2	25.0	14.3	12.5	8.9	5.4	1.8	0.0	0.0	0.0	0.0
85°	48.3	21.4	16.1	14.3	12.5	7.1	1.8	0.0	0.0	0.0	0.0
87.5°	25.0	19.7	17.9	16.1	12.5	8.9	3.6	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
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



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 ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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 [^] /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			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.06

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

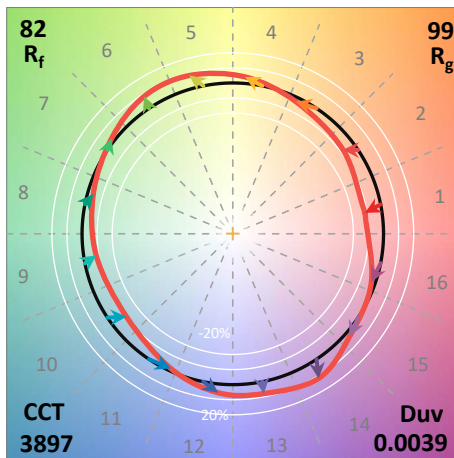
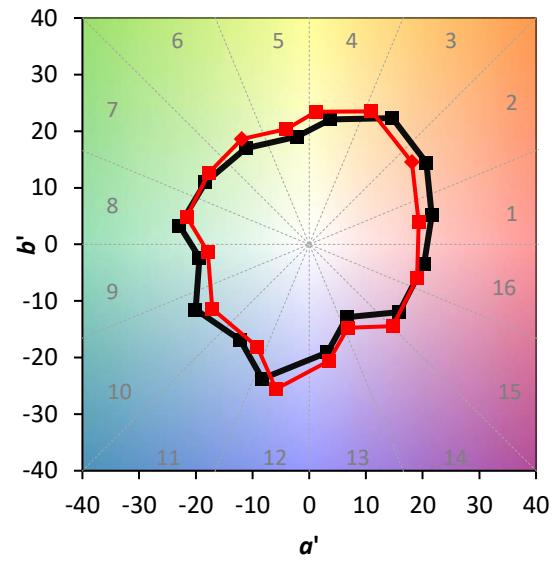
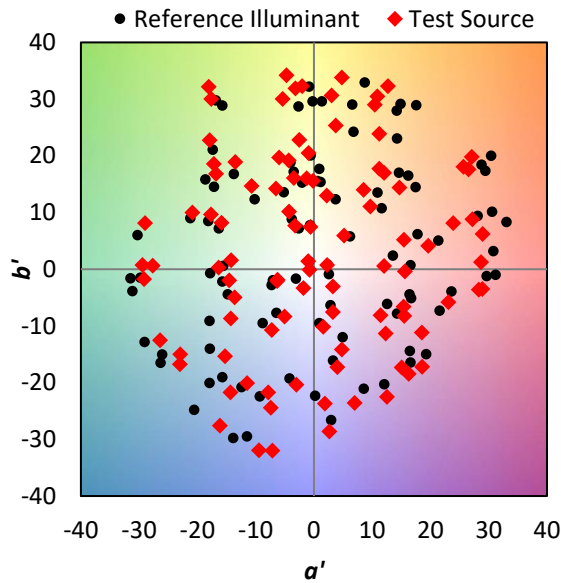
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$



Color Vector Graphics

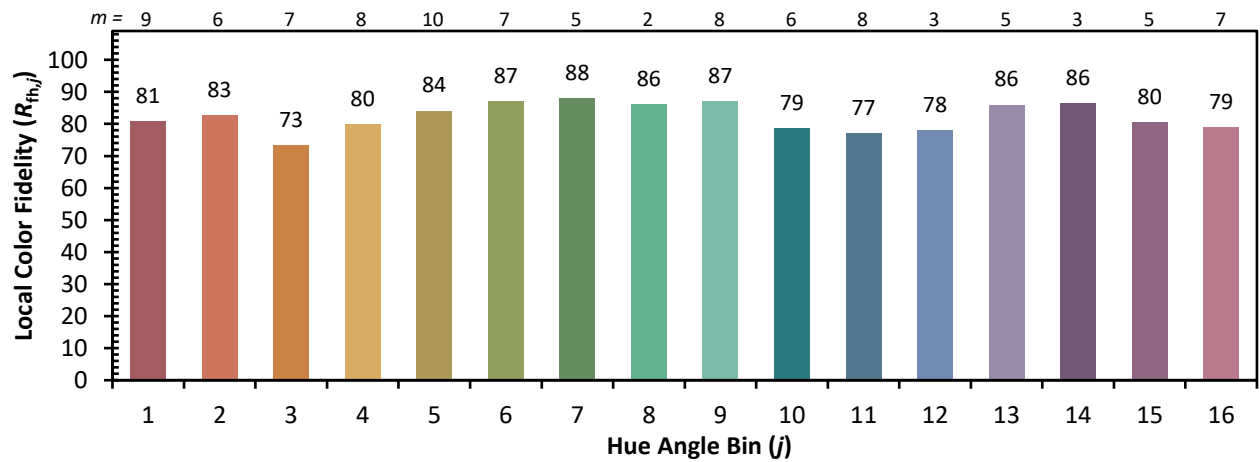
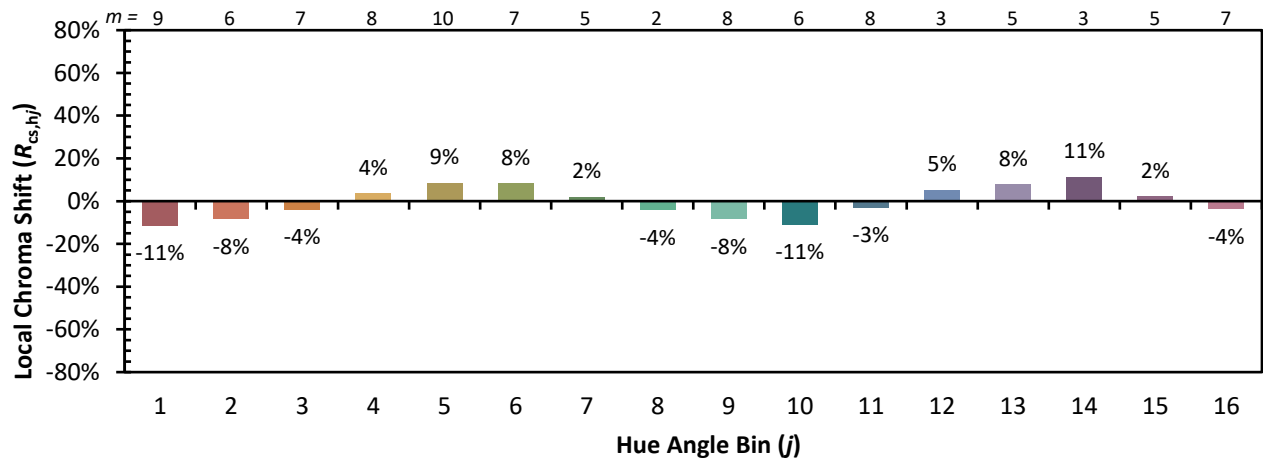


Individual Sample Fidelity Index ($R_{f,i}$)

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)