

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: STREETWORKS

Report Number: P1065939

Luminaire Tested: **NVN-SA4C-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065939
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4C-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20122.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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



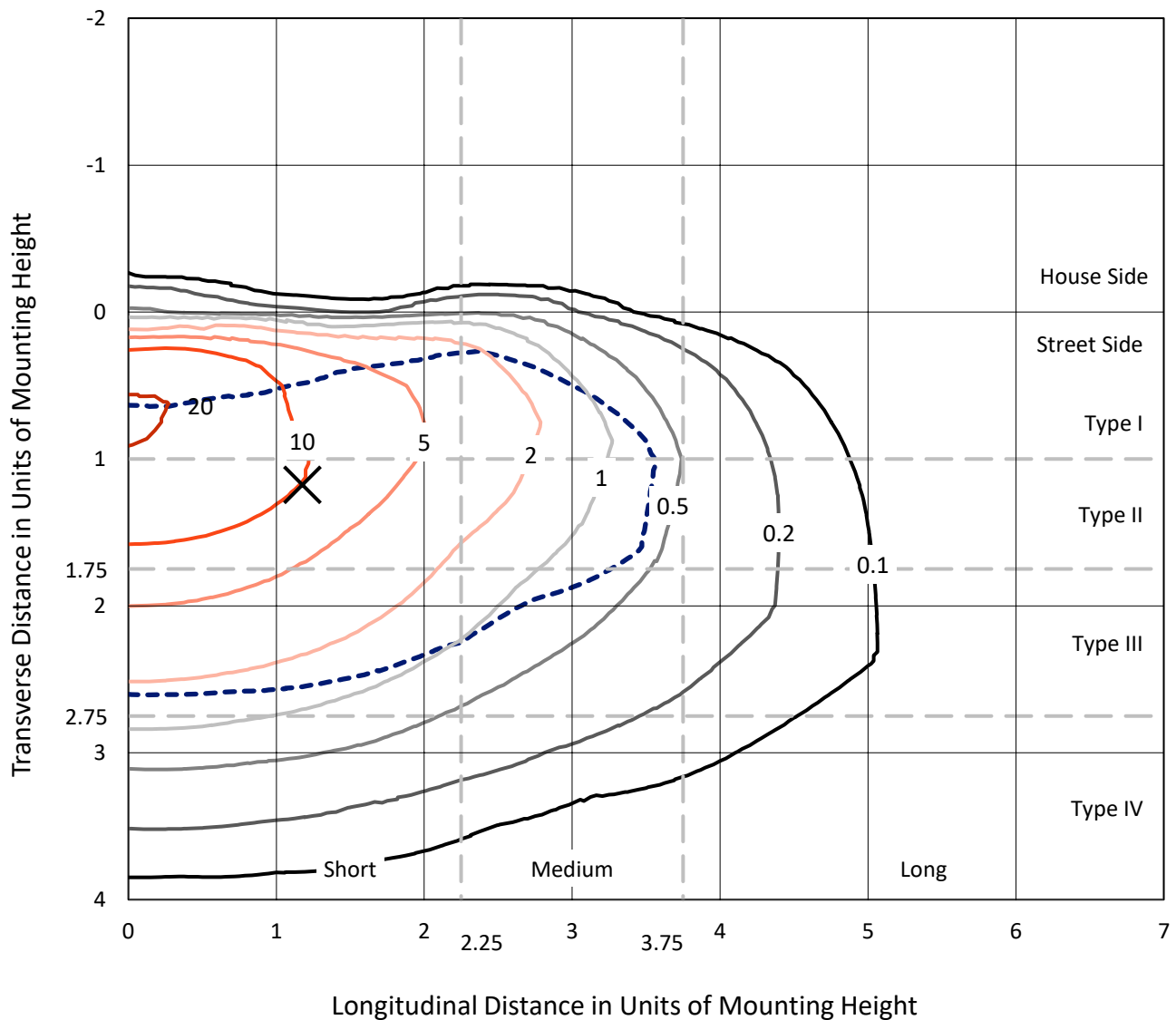
REPORT NUMBER: P1065939

CATALOG NUMBER: NVN-SA4C-835-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

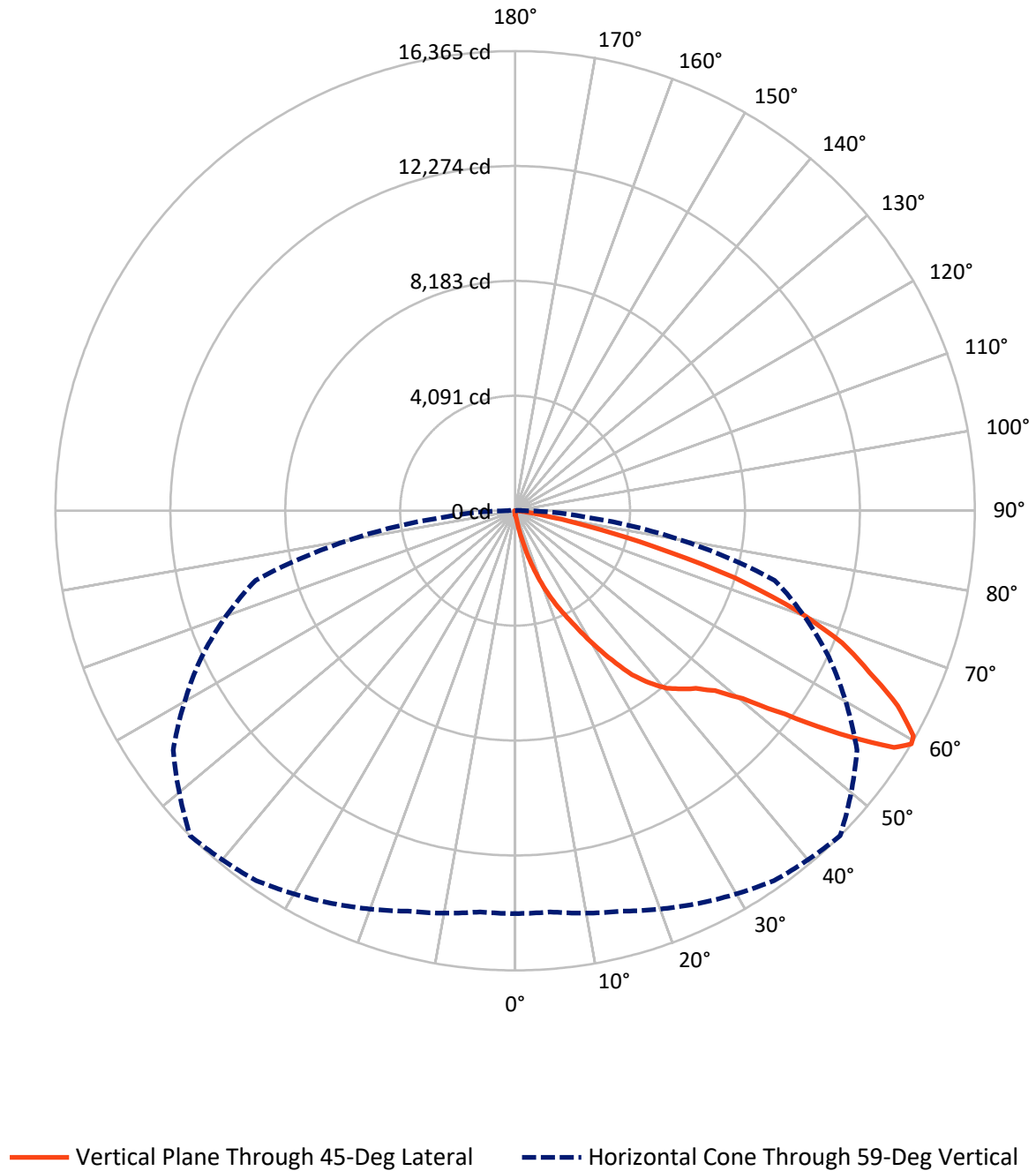


Based on 15 foot mounting height. Maximum calculated value = 21.9 fc
 Type III - Short - N/A

REPORT NUMBER: P1065939

CATALOG NUMBER: NVN-SA4C-835-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1065939

CATALOG NUMBER: NVN-SA4C-835-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	71.5	0.0	71.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20051.4	0.0	20051.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	20122.8	0.0	20122.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.1
10°-20°	222.4	1.1
20°-30°	799.2	4.0
30°-40°	1857.0	9.2
40°-50°	3165.2	15.7
50°-60°	5215.4	25.9
60°-70°	6030.2	30.0
70°-80°	2590.8	12.9
80°-90°	223.9	1.1
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°	20122.8	100.0
0°-180°	20122.8	100.0



REPORT NUMBER: P1065939

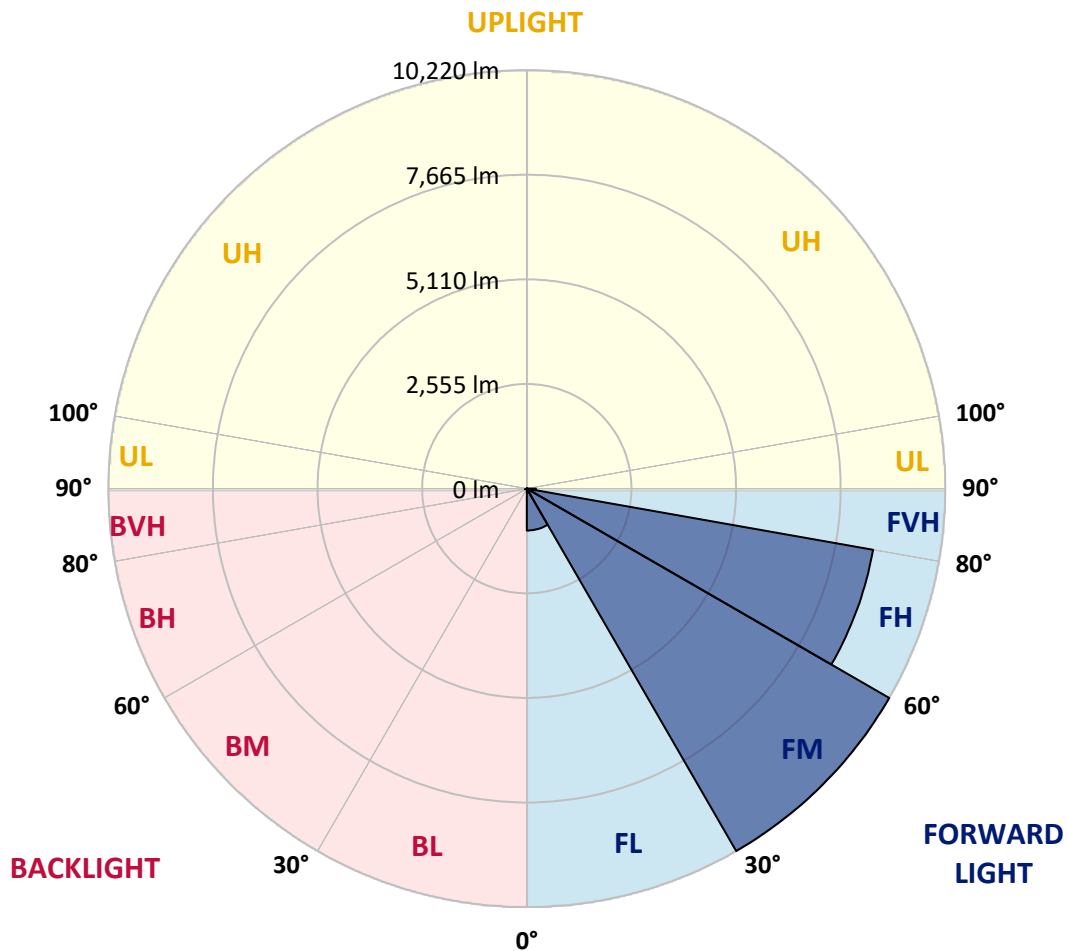
CATALOG NUMBER: NVN-SA4C-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1022.7	5.1			
FM	(30°-60°)	10220.4	50.8			
FH	(60°-80°)	8587.3	42.7			G4/12000
FVH	(80°-90°)	221.0	1.1			G2/225
BL	(0°-30°)	17.6	0.1	B0/110		
BM	(30°-60°)	17.3	0.1	B0/220		
BH	(60°-80°)	33.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type III Short





REPORT NUMBER: P1065939

CATALOG NUMBER: NVN-SA4C-835-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	165.1	165.1	161.0	155.6	154.2	150.2	150.2	146.1	140.7	136.7	131.2
5°	239.5	238.1	227.3	213.8	196.2	185.4	185.4	170.5	157.0	144.8	134.0
7.5°	523.6	511.5	472.2	407.3	322.0	265.2	261.1	212.4	180.0	155.6	135.3
10°	1201.5	1159.6	1104.1	948.5	700.9	489.8	480.3	309.9	215.1	167.8	138.0
12.5°	1968.7	2002.5	1891.6	1646.7	1357.1	1009.4	941.7	522.3	284.1	184.0	140.7
15°	2666.9	2658.8	2596.5	2396.3	2062.1	1599.3	1557.4	907.9	407.3	209.7	143.4
17.5°	3189.2	3179.7	3120.2	2991.6	2734.5	2271.8	2235.3	1447.8	638.6	246.3	146.1
20°	3739.9	3727.7	3643.8	3541.0	3316.4	2922.6	2879.3	2051.2	999.9	305.8	146.1
22.5°	4400.2	4377.2	4287.9	4113.3	3876.5	3534.2	3495.0	2668.2	1447.8	403.2	152.9
25°	5198.5	5159.2	5036.1	4879.1	4593.7	4139.0	4097.1	3355.6	1987.7	550.7	159.7
27.5°	6109.1	6115.8	5949.4	5684.2	5301.3	4837.2	4758.7	3971.2	2546.5	761.8	167.8
30°	7190.2	7122.5	6888.4	6579.9	6207.9	5616.6	5540.8	4584.2	3174.3	1073.0	181.3
32.5°	8202.3	8129.2	7813.9	7425.6	7026.5	6402.7	6340.5	5272.9	3745.3	1441.0	205.7
35°	9070.9	9019.5	8578.4	8104.9	7750.3	7192.9	7173.9	6041.4	4416.4	1837.5	232.7
37.5°	9835.4	9742.1	9175.1	8684.0	8324.0	7824.8	7784.2	6745.0	5063.2	2297.5	273.3
40°	10487.6	10436.2	9744.8	9099.4	8807.1	8360.6	8309.2	7362.0	5731.6	2832.0	323.4
42.5°	11185.8	11118.1	10447.0	9723.1	9184.6	8707.0	8673.1	7870.8	6326.9	3419.2	397.8
45°	11974.6	11848.8	11260.2	10610.7	9792.1	9065.5	9027.6	8324.0	6937.2	4049.7	488.5
47.5°	12817.6	12708.0	12231.7	11775.7	10834.0	9656.8	9575.6	8709.7	7543.3	4777.7	603.5
50°	13675.4	13678.1	13320.9	13101.7	12107.2	10617.5	10502.5	9276.6	8180.6	5557.0	774.0
52.5°	14674.0	14699.7	14694.3	14531.9	13760.7	12188.4	12034.1	10137.2	8920.7	6466.3	1009.4
55°	15092.1	15138.1	15437.1	15797.0	15587.3	14180.1	14015.0	11621.5	9901.7	7479.7	1358.5
57.5°	14749.7	14801.2	15213.8	15844.4	16326.1	15924.2	15905.3	13553.6	11193.9	8708.3	1929.5
59°	14342.5	14335.7	14759.2	15427.6	16077.1	16338.2	16365.3	14860.7	12319.6	9570.2	2422.0
60°	14071.9	14077.3	14358.7	15044.7	15734.8	16188.1	16293.6	15630.6	12977.2	10189.9	2844.1
62.5°	13027.3	13089.5	13312.8	13950.1	14605.0	15111.0	15291.0	16316.6	14859.3	11653.9	4312.2
65°	11892.1	11896.1	12214.1	12759.4	13387.2	13743.1	13856.7	15249.0	16116.3	13145.0	6237.6
67.5°	9866.5	9949.1	10310.3	11193.9	12023.3	12473.9	12560.5	13273.6	15595.4	14116.5	7202.4
70°	6904.7	7012.9	7528.4	8674.5	9909.8	10650.0	10644.6	11034.2	13725.5	13683.5	6106.4
72.5°	3447.6	3634.3	4055.1	5282.4	6778.8	7941.1	8186.0	8876.1	11026.1	11365.7	4555.8
75°	1523.5	1534.4	1773.9	2392.2	3369.1	4845.3	5064.5	7045.4	8459.4	7899.2	3290.7
77.5°	886.3	894.4	937.7	1074.3	1365.2	2374.6	2620.9	4620.7	5977.8	4590.9	2146.0
80°	322.0	330.1	328.8	407.3	598.1	935.0	1041.9	2239.3	3987.5	2417.9	1124.4
82.5°	197.5	197.5	190.8	192.1	217.8	358.6	392.4	953.9	1941.6	1190.7	322.0
85°	97.4	102.8	109.6	123.1	146.1	177.3	188.1	273.3	653.5	288.2	77.1
87.5°	58.2	59.5	64.9	78.5	97.4	127.2	135.3	185.4	234.1	193.5	18.9
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: P1065939

CATALOG NUMBER: NVN-SA4C-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2
2.5°	128.5	127.2	120.4	115.0	109.6	104.2	100.1	96.1	96.1	97.4	96.1
5°	128.5	123.1	112.3	102.8	94.7	87.9	81.2	75.8	74.4	74.4	75.8
7.5°	127.2	120.4	105.5	93.4	82.5	73.1	66.3	59.5	58.2	59.5	58.2
10°	125.8	117.7	100.1	85.2	70.4	60.9	51.4	44.7	44.7	44.7	46.0
12.5°	125.8	113.7	94.7	77.1	60.9	50.1	40.6	33.8	32.5	32.5	32.5
15°	124.5	111.0	89.3	67.7	51.4	37.9	29.8	23.0	23.0	23.0	23.0
17.5°	121.8	106.9	82.5	59.5	40.6	28.4	20.3	13.5	13.5	16.2	16.2
20°	119.1	102.8	74.4	48.7	33.8	21.6	13.5	8.1	8.1	12.2	13.5
22.5°	120.4	102.8	69.0	43.3	27.1	16.2	10.8	6.8	5.4	9.5	12.2
25°	121.8	100.1	62.2	37.9	20.3	12.2	8.1	2.7	1.4	2.7	4.1
27.5°	121.8	97.4	54.1	29.8	14.9	9.5	4.1	0.0	0.0	0.0	0.0
30°	120.4	93.4	47.4	24.4	10.8	5.4	1.4	0.0	0.0	0.0	0.0
32.5°	119.1	89.3	43.3	18.9	9.5	2.7	0.0	0.0	0.0	0.0	0.0
35°	120.4	83.9	37.9	14.9	5.4	0.0	0.0	0.0	0.0	0.0	2.7
37.5°	124.5	78.5	32.5	12.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	129.9	74.4	27.1	9.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	140.7	74.4	24.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	154.2	74.4	20.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	171.8	75.8	17.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	193.5	78.5	16.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	209.7	75.8	14.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	238.1	73.1	13.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	276.0	69.0	13.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	313.9	63.6	13.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	357.2	60.9	12.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	589.9	54.1	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1139.3	51.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1841.5	51.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1936.2	51.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1288.1	41.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	690.1	37.9	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	372.1	35.2	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	163.7	25.7	6.8	4.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	64.9	17.6	8.1	6.8	5.4	2.7	0.0	0.0	0.0	0.0	0.0
85°	31.1	13.5	10.8	9.5	6.8	4.1	0.0	0.0	0.0	0.0	0.0
87.5°	14.9	13.5	12.2	10.8	9.5	6.8	1.4	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$



Color Vector Graphics

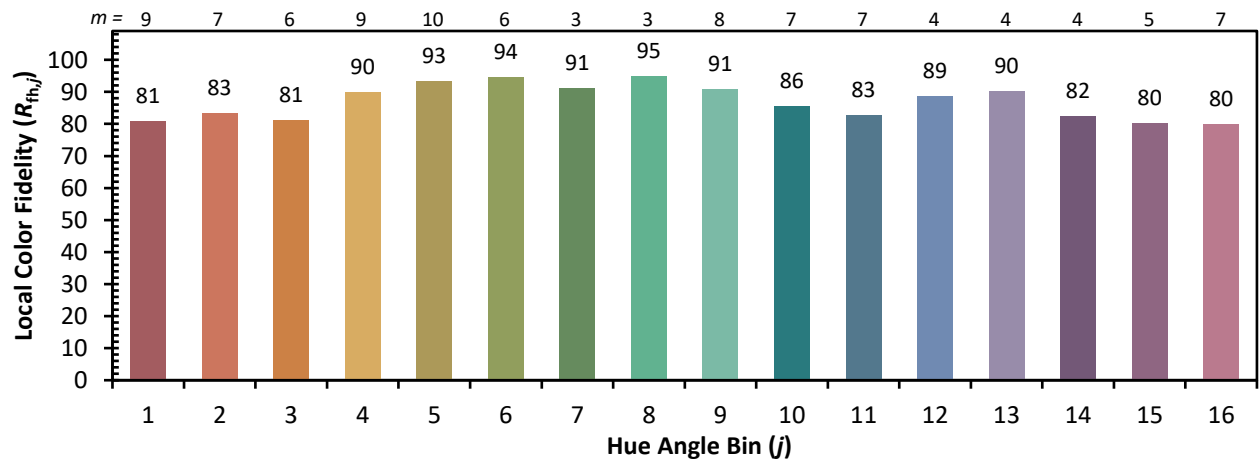
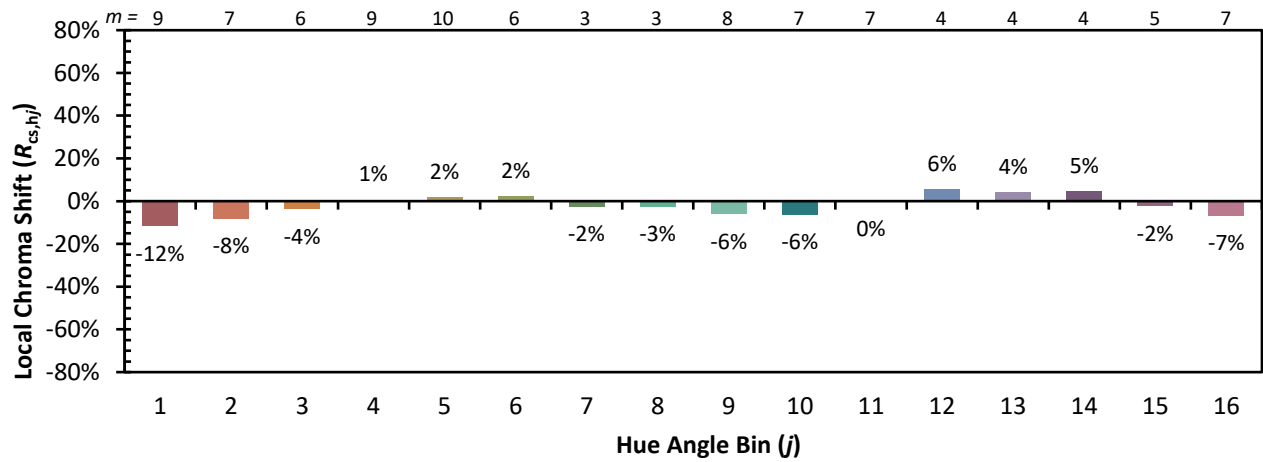


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)