

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: INVUE

Report Number: P869229

Luminaire Tested: **EMM2-HSN-SA2A-AMB-U-T2U-HSS**

Issue Date: 08/22/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P869229  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 08/22/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: EMM2-HSN-SA2A-AMB-U-T2U-HSS  
Description: EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 30W 0CRI 1540K  
FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD  
Light Source: (20) 1540K CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

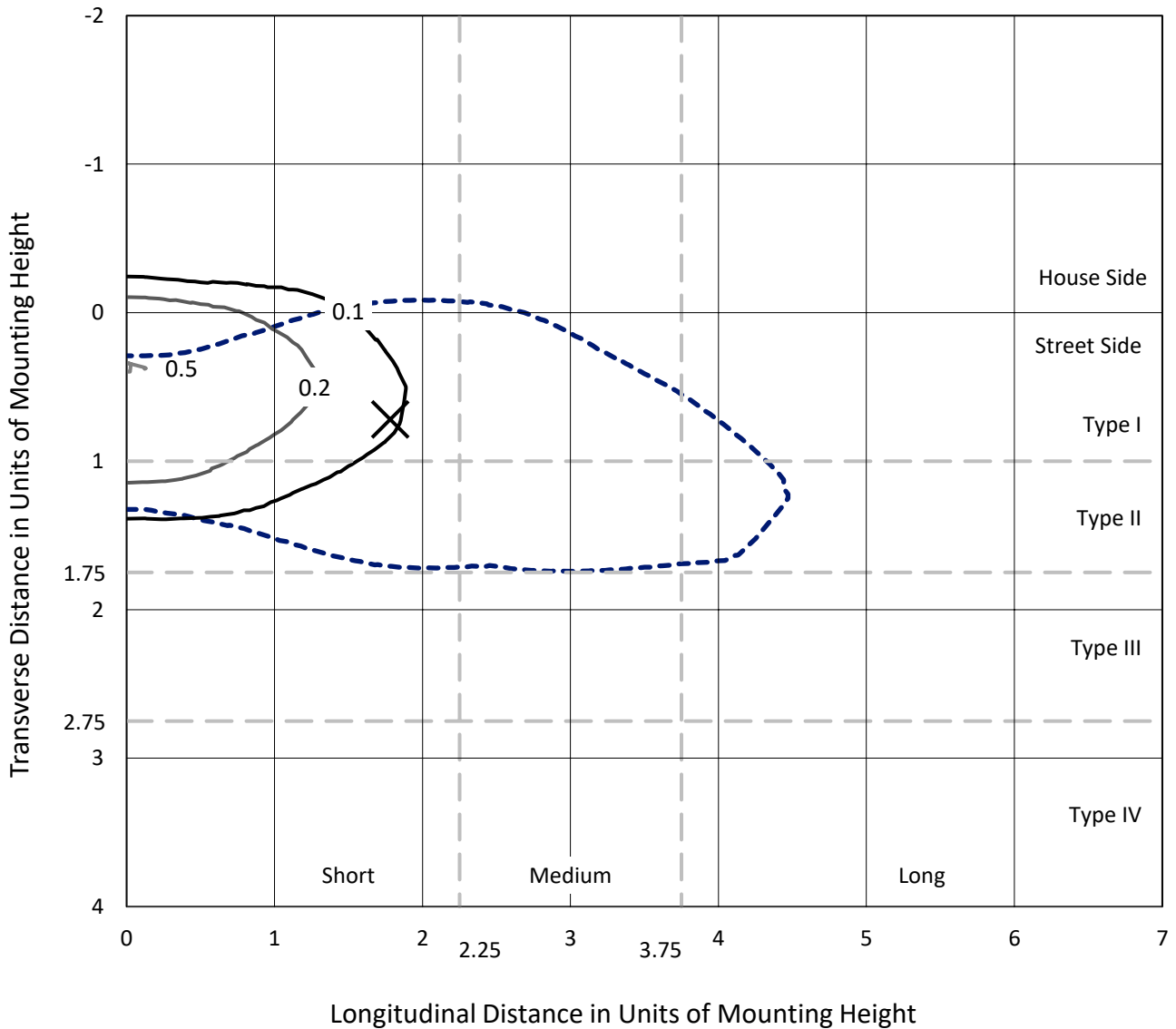
Lumens per Lamp: N/A  
Luminaire Lumens: 725.4 lumens  
Efficiency: N/A  
Efficacy: 24.2 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 30  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.98  
Total Harmonic Distortion (THDi): 9.04%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

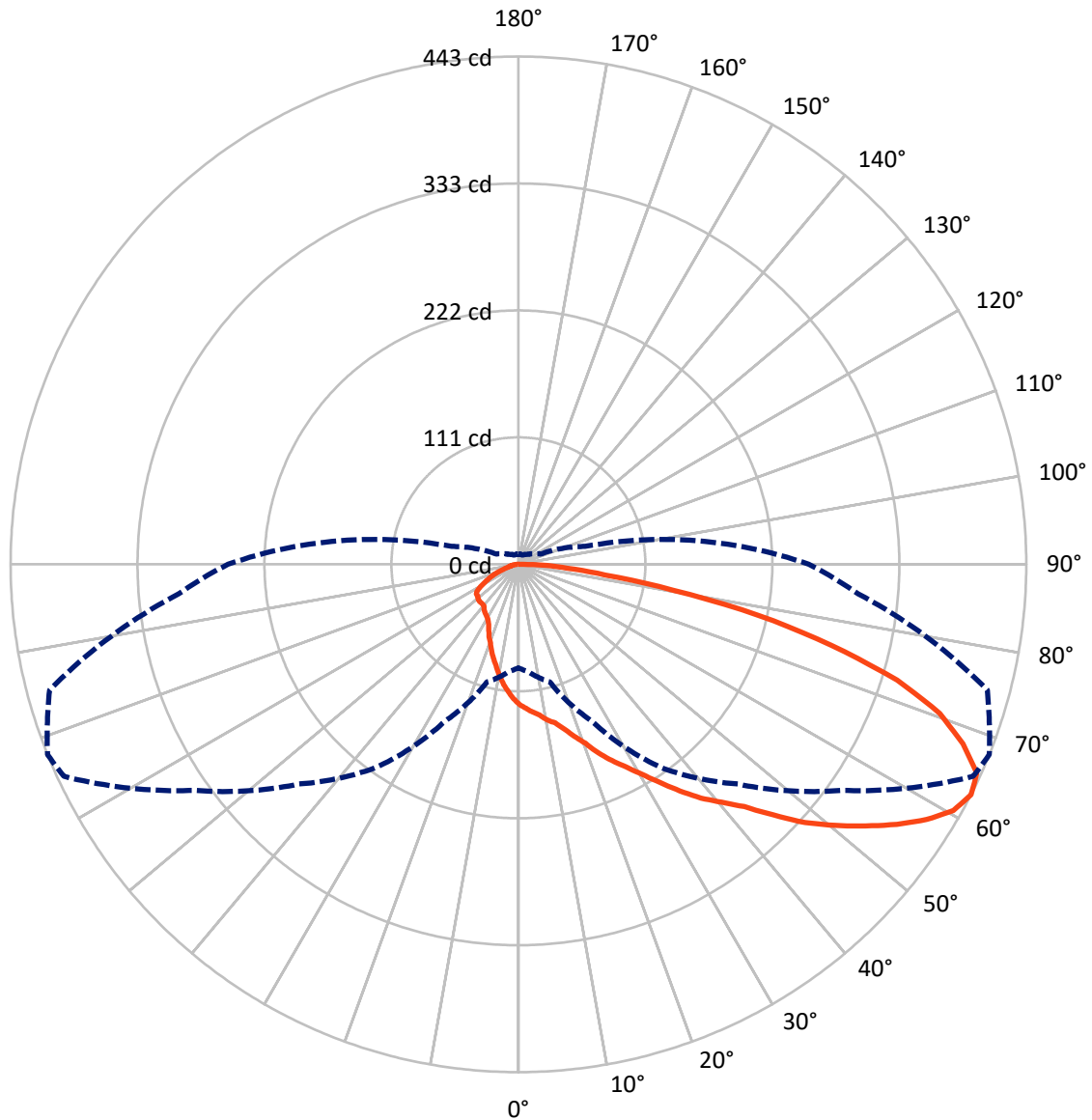
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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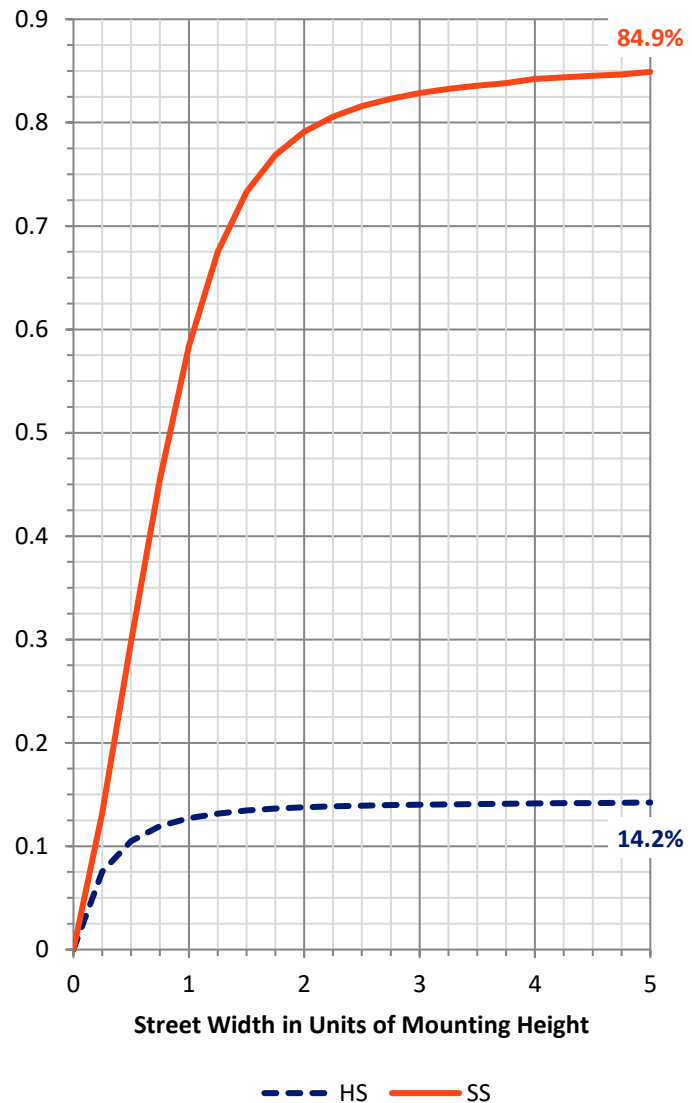
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	104.5	0.0	104.5
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	620.9	0.0	620.9
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	725.4	0.0	725.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.2	1.5
10°-20°	34.7	4.8
20°-30°	62.3	8.6
30°-40°	95.6	13.2
40°-50°	133.9	18.5
50°-60°	151.8	20.9
60°-70°	136.3	18.8
70°-80°	80.4	11.1
80°-90°	19.1	2.6
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°	725.4	100.0
0°-180°	725.4	100.0



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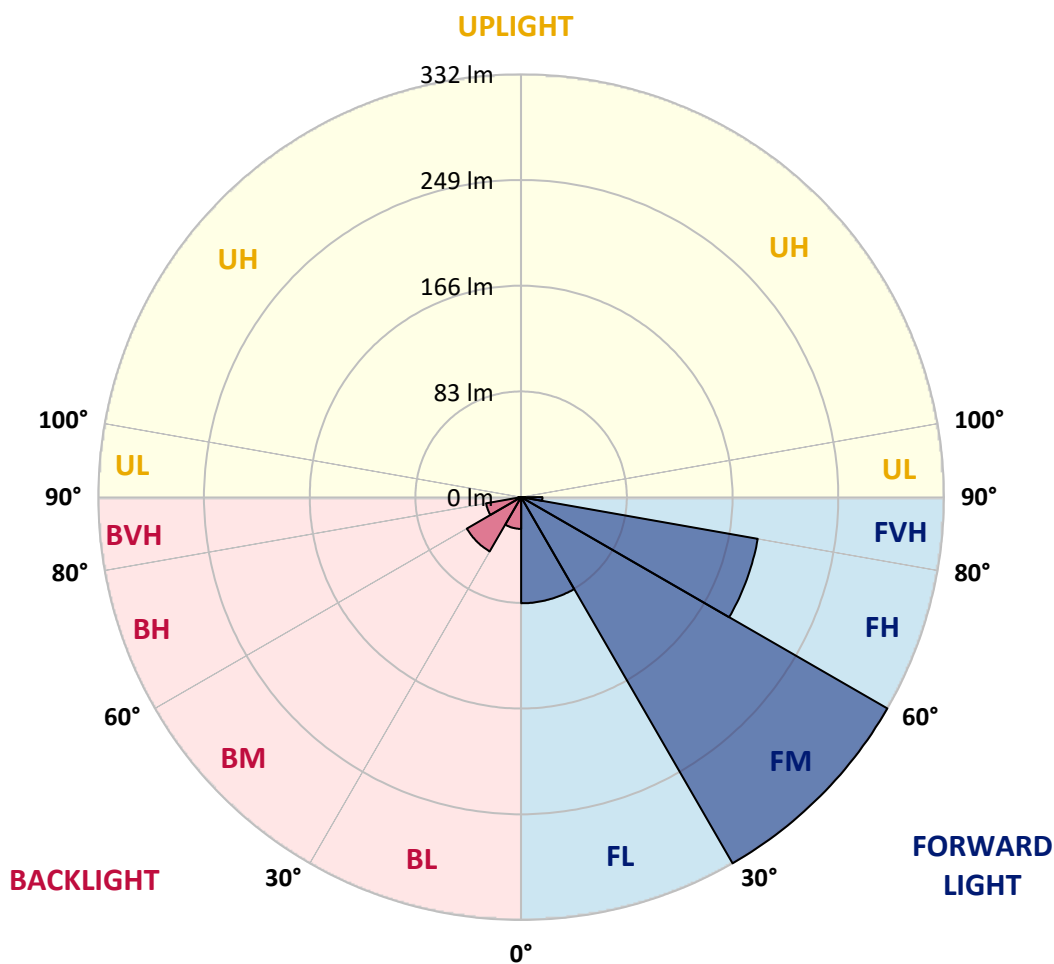
CATALOG NUMBER: EMM2-HSN-SA2A-AMB-U-T2U-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.4	11.5			
FM (30°-60°)	332.1	45.8			
FH (60°-80°)	188.7	26.0			G0/660
FVH (80°-90°)	16.7	2.3			G1/100
BL (0°-30°)	25.0	3.4	B0/110		
BM (30°-60°)	49.2	6.8	B0/220		
BH (60°-80°)	28.0	3.9	B0/110		G0/110
BVH (80°-90°)	2.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
2.5°	133.0	133.0	133.0	133.0	131.2	131.2	129.5	127.7	125.9	125.9	124.1
5°	140.1	140.1	140.1	140.1	138.3	136.6	134.8	131.2	129.5	127.7	124.1
7.5°	154.3	154.3	154.3	149.0	147.2	143.6	140.1	134.8	133.0	131.2	125.9
10°	173.8	175.6	172.0	168.5	161.4	154.3	145.4	140.1	138.3	133.0	127.7
12.5°	195.1	193.3	191.5	186.2	177.3	168.5	156.1	145.4	141.9	136.6	129.5
15°	214.6	214.6	212.8	203.9	195.1	182.7	168.5	154.3	149.0	141.9	131.2
17.5°	235.9	235.9	230.5	221.7	211.0	195.1	180.9	163.2	157.8	145.4	134.8
20°	248.3	248.3	246.5	239.4	228.8	211.0	193.3	173.8	166.7	152.5	136.6
22.5°	253.6	253.6	253.6	250.1	241.2	227.0	205.7	186.2	179.1	159.6	141.9
25°	253.6	253.6	255.4	257.1	253.6	241.2	221.7	196.8	189.8	168.5	145.4
27.5°	250.1	250.1	253.6	255.4	257.1	251.8	235.9	209.3	200.4	179.1	150.7
30°	257.1	257.1	257.1	257.1	260.7	260.7	248.3	221.7	212.8	189.8	156.1
32.5°	274.9	274.9	274.9	269.6	266.0	267.8	260.7	235.9	227.0	202.2	163.2
35°	289.1	287.3	289.1	289.1	280.2	276.7	273.1	250.1	243.0	219.9	173.8
37.5°	299.7	301.5	301.5	303.3	299.7	292.6	285.5	267.8	258.9	234.1	184.4
40°	306.8	308.6	313.9	315.7	312.1	308.6	301.5	282.0	273.1	246.5	191.5
42.5°	308.6	313.9	322.8	328.1	319.2	317.4	313.9	297.9	289.1	266.0	202.2
45°	306.8	308.6	326.3	328.1	324.5	324.5	329.9	317.4	312.1	287.3	214.6
47.5°	294.4	294.4	305.0	319.2	321.0	329.9	344.0	340.5	336.9	310.3	230.5
50°	271.3	269.6	289.1	303.3	312.1	331.6	356.5	363.5	358.2	333.4	244.7
52.5°	225.2	227.0	251.8	285.5	301.5	329.9	365.3	384.8	379.5	354.7	257.1
55°	188.0	189.8	214.6	258.9	289.1	322.8	372.4	404.3	400.8	374.2	271.3
57.5°	149.0	152.5	175.6	221.7	267.8	305.0	374.2	422.1	420.3	395.5	283.7
60°	115.3	118.8	136.6	186.2	244.7	290.8	365.3	432.7	436.3	413.2	292.6
62.5°	90.4	94.0	106.4	150.7	216.4	271.3	344.0	438.0	443.4	423.8	297.9
65°	72.7	74.5	83.4	120.6	189.8	248.3	317.4	422.1	439.8	423.8	297.9
67.5°	58.5	62.1	69.2	94.0	159.6	219.9	283.7	393.7	418.5	416.8	287.3
70°	49.7	49.7	56.7	74.5	131.2	182.7	243.0	354.7	390.2	393.7	260.7
72.5°	40.8	40.8	46.1	60.3	106.4	145.4	200.4	305.0	345.8	358.2	227.0
75°	35.5	35.5	39.0	49.7	83.4	111.7	152.5	244.7	282.0	303.3	186.2
77.5°	30.1	30.1	33.7	39.0	58.5	83.4	117.0	184.4	214.6	234.1	140.1
80°	24.8	24.8	28.4	31.9	42.6	55.0	78.0	122.4	136.6	147.2	90.4
82.5°	23.1	23.1	23.1	26.6	31.9	37.2	49.7	67.4	76.3	85.1	56.7
85°	17.7	17.7	17.7	21.3	23.1	26.6	31.9	39.0	42.6	51.4	33.7
87.5°	10.6	10.6	10.6	12.4	14.2	16.0	17.7	19.5	21.3	24.8	14.2
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: EMM2-HSN-SA2A-AMB-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
2.5°	122.4	122.4	118.8	117.0	115.3	113.5	111.7	110.0	108.2	110.0	108.2
5°	122.4	120.6	115.3	110.0	104.6	99.3	95.8	92.2	90.4	88.7	88.7
7.5°	122.4	118.8	111.7	102.9	94.0	86.9	79.8	74.5	72.7	70.9	70.9
10°	122.4	117.0	106.4	95.8	83.4	74.5	67.4	62.1	58.5	56.7	56.7
12.5°	124.1	117.0	102.9	86.9	72.7	63.8	55.0	49.7	47.9	46.1	46.1
15°	124.1	117.0	99.3	79.8	63.8	53.2	46.1	42.6	40.8	39.0	39.0
17.5°	125.9	117.0	95.8	72.7	55.0	46.1	40.8	37.2	35.5	33.7	33.7
20°	127.7	117.0	90.4	65.6	47.9	39.0	35.5	31.9	30.1	30.1	30.1
22.5°	131.2	118.8	86.9	60.3	42.6	35.5	31.9	30.1	28.4	28.4	28.4
25°	134.8	118.8	83.4	53.2	39.0	31.9	28.4	26.6	26.6	24.8	24.8
27.5°	136.6	120.6	79.8	47.9	33.7	28.4	26.6	24.8	24.8	24.8	24.8
30°	141.9	122.4	78.0	44.3	31.9	26.6	24.8	23.1	23.1	23.1	23.1
32.5°	149.0	127.7	76.3	42.6	30.1	24.8	23.1	21.3	21.3	21.3	21.3
35°	154.3	131.2	76.3	40.8	28.4	23.1	21.3	21.3	21.3	21.3	21.3
37.5°	163.2	138.3	74.5	39.0	28.4	23.1	21.3	19.5	19.5	19.5	19.5
40°	166.7	140.1	70.9	37.2	28.4	21.3	19.5	19.5	19.5	17.7	17.7
42.5°	175.6	145.4	69.2	37.2	26.6	21.3	17.7	17.7	17.7	17.7	17.7
45°	188.0	154.3	69.2	37.2	26.6	21.3	17.7	16.0	16.0	16.0	16.0
47.5°	198.6	163.2	69.2	37.2	26.6	19.5	17.7	16.0	16.0	14.2	14.2
50°	209.3	170.2	67.4	37.2	24.8	19.5	16.0	14.2	14.2	14.2	14.2
52.5°	221.7	175.6	67.4	35.5	24.8	17.7	14.2	14.2	12.4	12.4	12.4
55°	234.1	180.9	67.4	35.5	23.1	16.0	14.2	12.4	12.4	10.6	10.6
57.5°	243.0	186.2	65.6	33.7	21.3	16.0	12.4	12.4	10.6	10.6	10.6
60°	250.1	189.8	62.1	28.4	17.7	14.2	12.4	10.6	8.9	8.9	8.9
62.5°	253.6	189.8	60.3	21.3	16.0	12.4	10.6	8.9	8.9	8.9	8.9
65°	250.1	182.7	55.0	16.0	14.2	12.4	10.6	8.9	7.1	7.1	7.1
67.5°	241.2	173.8	46.1	14.2	12.4	10.6	8.9	7.1	7.1	7.1	7.1
70°	216.4	156.1	33.7	10.6	10.6	8.9	8.9	7.1	5.3	5.3	5.3
72.5°	189.8	131.2	23.1	8.9	8.9	7.1	7.1	5.3	5.3	5.3	5.3
75°	150.7	99.3	16.0	7.1	7.1	7.1	5.3	5.3	5.3	5.3	5.3
77.5°	108.2	63.8	12.4	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5
80°	67.4	37.2	8.9	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5
82.5°	39.0	21.3	7.1	3.5	3.5	3.5	5.3	5.3	5.3	3.5	3.5
85°	19.5	10.6	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	7.1	3.5	1.8	1.8	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



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-1

Test Date: 08/06/2024

Luminaire Tested: MEM2-HTN-SA-45-AMB-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-45-AMB-U-5WQ-2

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-157-1  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 08/20/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Streetworks  
 Catalog Number: **MEM2-HTN-SA-45-AMB-U-5WQ-2**  
 Description: Epic Modern Light Square 45W 5WQ Optic and Flare Trim AMBER LED

**Spectral Parameters**

CCT (K): 1538  
 CIE u': 0.3530  
 CIE v': 0.5469  
 Duv: 0.0116  
 CIE x: 0.5918  
 CIE y: 0.4076  
 CIE z: 0.0006  
 Peak Wavelength (nm): 597  
 Dominant Wavelength (nm): 592  
 Purity: 99.98881  
 R<sub>f</sub>: 1.1  
 R<sub>g</sub>: 0

CRI (Ra):	-21.8		
R1:	-34.3	R9:	-386.6
R2:	52.3	R10:	28.9
R3:	17.0	R11:	-95.5
R4:	-68.4	R12:	-10.5
R5:	-40.8	R13:	-15.5
R6:	41.5	R14:	45.9
R7:	-7.2	R15:	-67.7
R8:	-134.5		



**Test Conditions**

Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 24.2

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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



Point lies outside the range

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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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

REPORT NUMBER: SP1-2407-157-1

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 0.22**

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 0.12**

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	0	NR	620	30	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	13	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	6	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	3	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	2	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	1	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	1	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	0	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	0	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	0	NR	795	0	NR	925	0	NR
410	0	NR	540	1	NR	670	0	NR	800	0	NR	930	0	NR
415	0	NR	545	3	NR	675	0	NR	805	0	NR	935	0	NR
420	0	NR	550	5	NR	680	0	NR	810	0	NR	940	0	NR
425	0	NR	555	10	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	19	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	34	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	63	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	113	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	199	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	352	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	614	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	954	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	837	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	417	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	179	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	69	NR	745	0	NR	875	0	NR			

**Summary**

$R_f = 1.1$   
 $R_g = 0$   
 $CIE R_a = -21.8$   
 $R_g = -386.6$



**Color Vector Graphics**



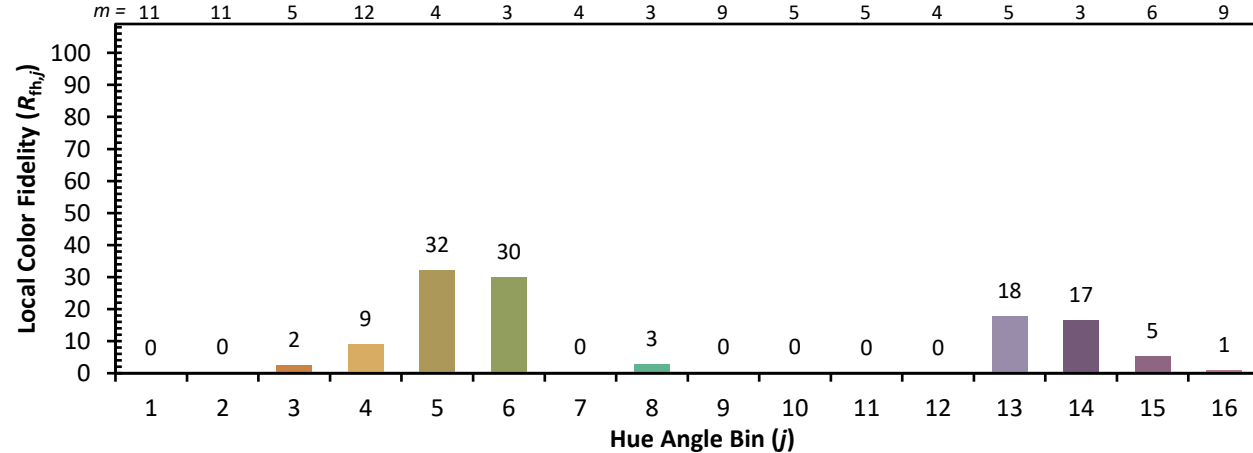
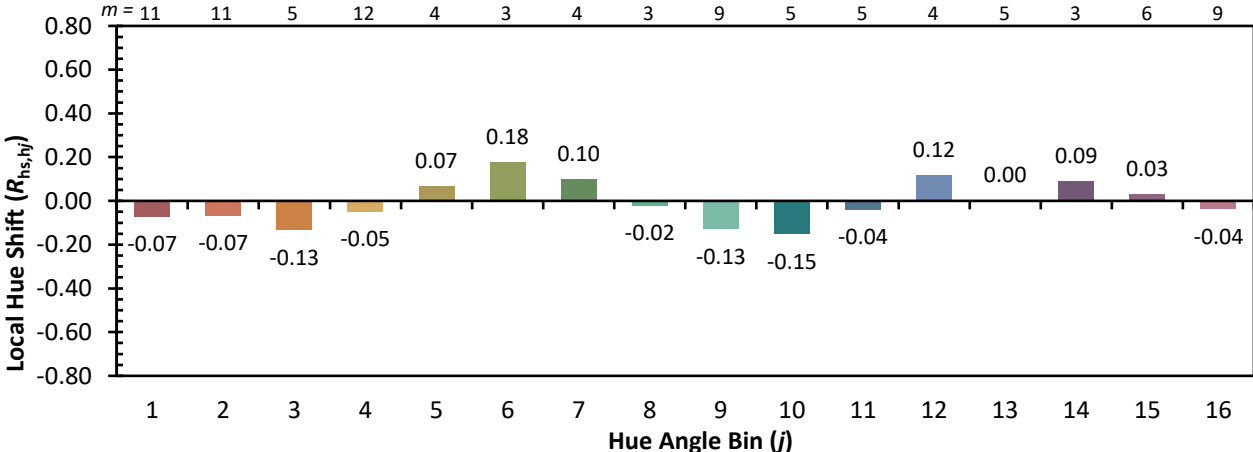
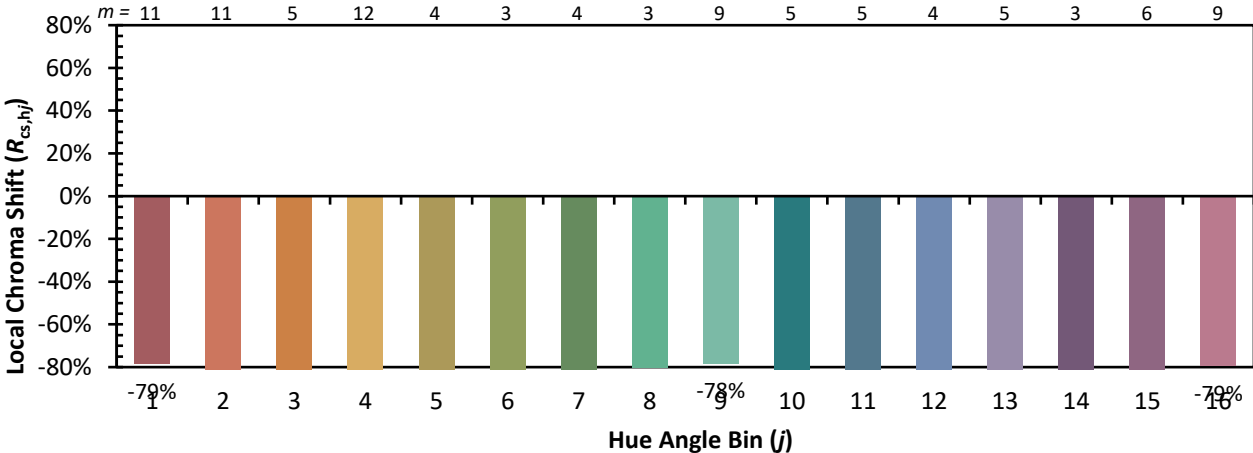


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

CES01 = 90	CES26 = 0	CES51 = 17	CES76 = 0
CES02 = 70	CES27 = 32	CES52 = 2	CES77 = 0
CES03 = 31	CES28 = 24	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 12	CES79 = 2
CES05 = 52	CES30 = 31	CES55 = 6	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 41	CES32 = 0	CES57 = 0	CES82 = 50
CES08 = 38	CES33 = 21	CES58 = 0	CES83 = 21
CES09 = 29	CES34 = 0	CES59 = 9	CES84 = 54
CES10 = 87	CES35 = 23	CES60 = 60	CES85 = 9
CES11 = 70	CES36 = 77	CES61 = 13	CES86 = 0
CES12 = 76	CES37 = 5	CES62 = 53	CES87 = 2
CES13 = 47	CES38 = 41	CES63 = 68	CES88 = 1
CES14 = 77	CES39 = 75	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 49	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 75	CES66 = 0	CES91 = 57
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 60	CES43 = 0	CES68 = 0	CES93 = 2
CES19 = 80	CES44 = 95	CES69 = 27	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 5	CES71 = 0	CES96 = 2
CES22 = 87	CES47 = 70	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 5	CES74 = 62	CES99 = 0
CES25 = 79	CES50 = 9	CES75 = 0	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)