

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: P869194

Luminaire Tested: **EMM2-HTN-SA3A-AMB-U-T2R-HSS**

Issue Date: 08/22/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P869194  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 08/22/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: EMM2-HTN-SA3A-AMB-U-T2R-HSS  
Description: EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 46W 0CRI 1540K FIXTURE  
w/ TYPE II ROADWAY DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD  
Light Source: (30) 1540K CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

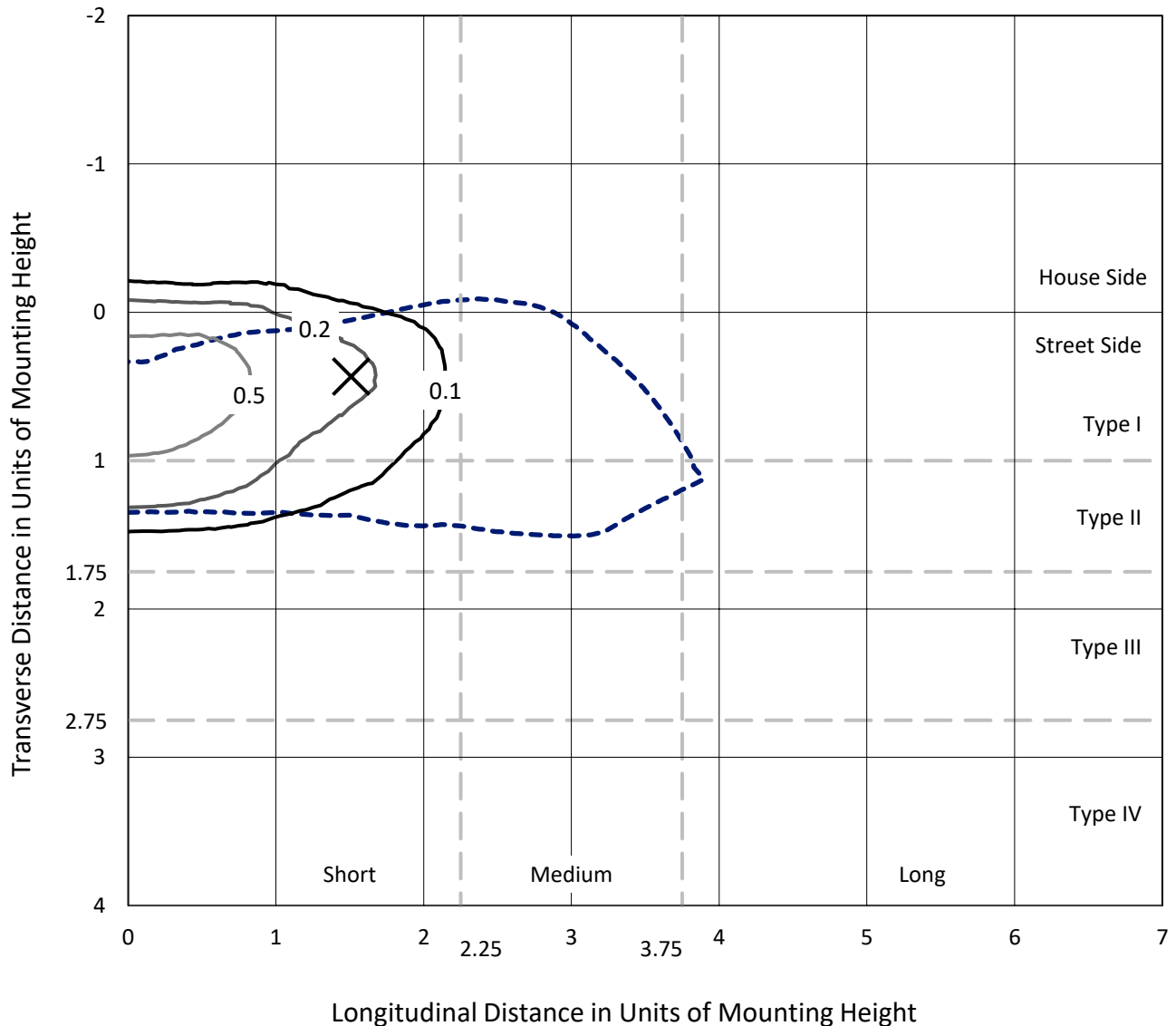
Lumens per Lamp: N/A  
Luminaire Lumens: 987.2 lumens  
Efficiency: N/A  
Efficacy: 21.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.98  
Total Harmonic Distortion (THDi): 6.75%  
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

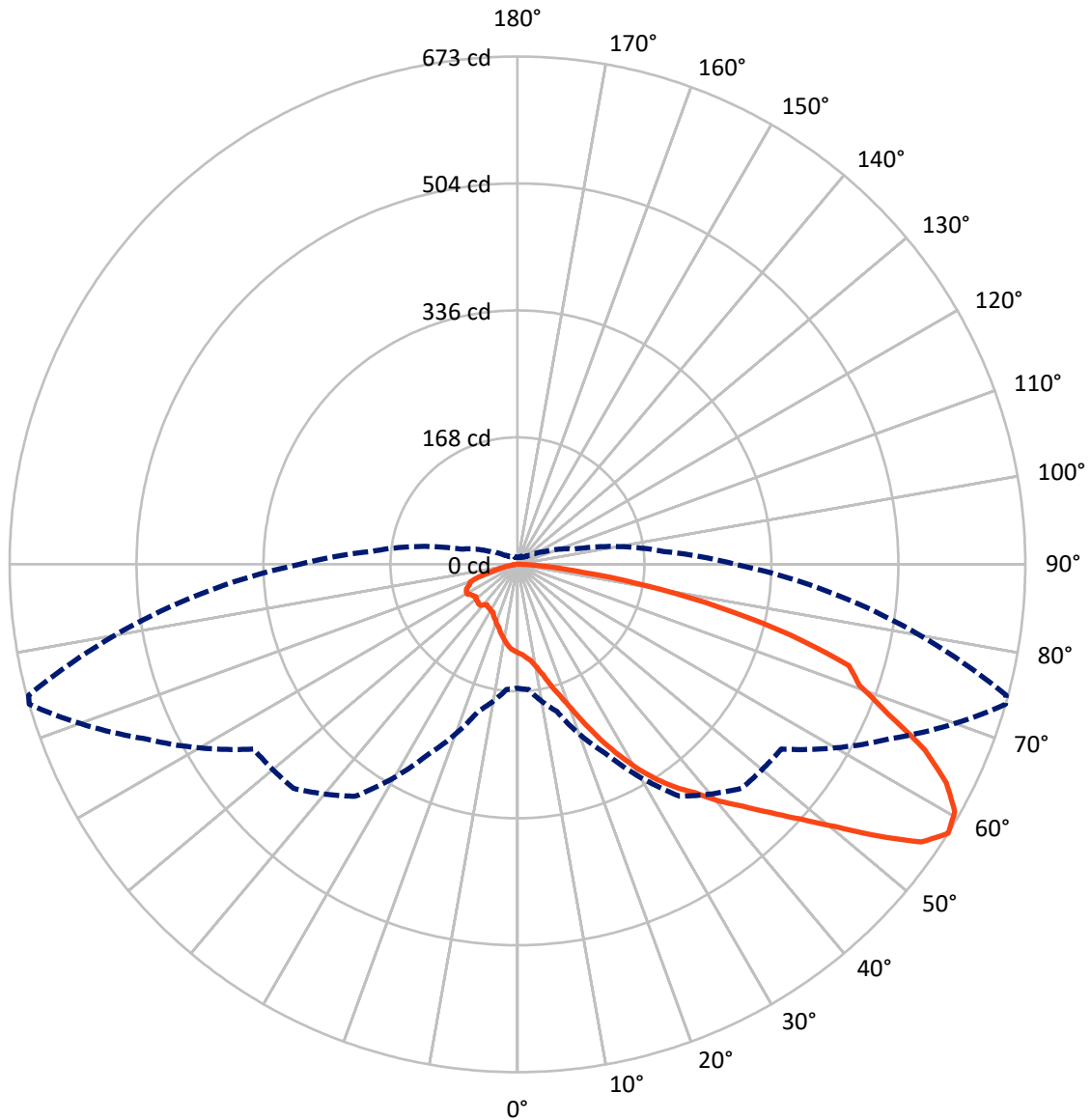
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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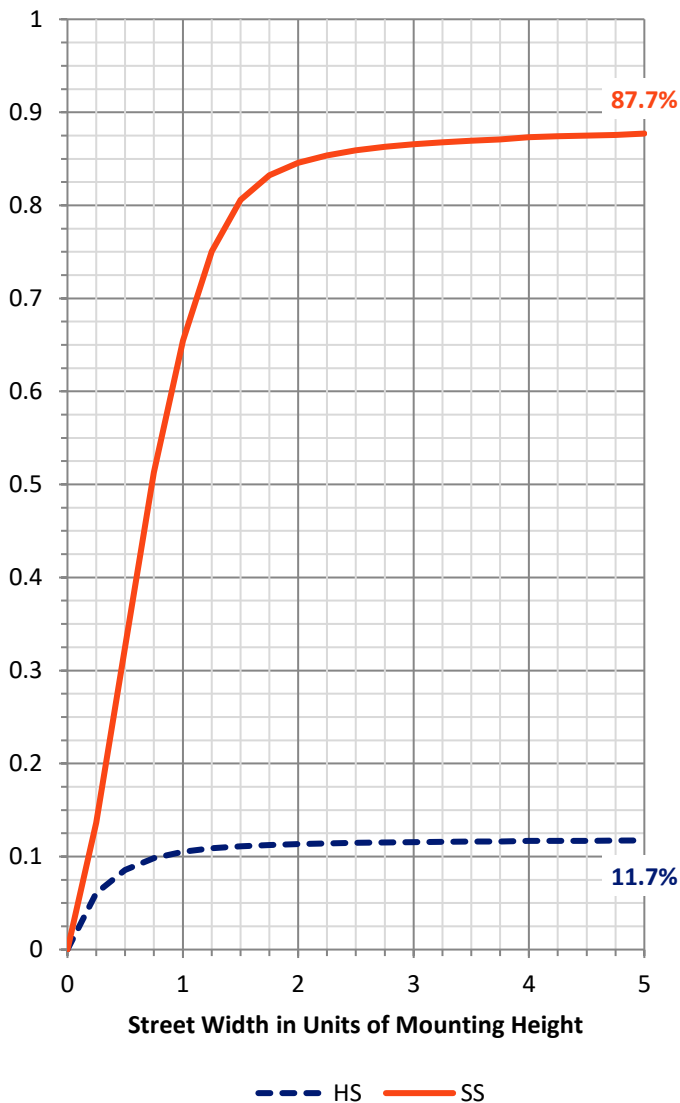
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	117.1	0.0	117.1
	% Fixture	11.9	0.0	11.9
<b>Street Side</b>	Lumens	870.1	0.0	870.1
	% Fixture	88.1	0.0	88.1
<b>Total</b>	Lumens	987.2	0.0	987.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.5	1.2
10°-20°	41.7	4.2
20°-30°	86.2	8.7
30°-40°	155.2	15.7
40°-50°	209.9	21.3
50°-60°	207.8	21.1
60°-70°	168.0	17.0
70°-80°	89.4	9.1
80°-90°	17.5	1.8
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°	987.2	100.0
0°-180°	987.2	100.0

**Coefficient of Utilization**



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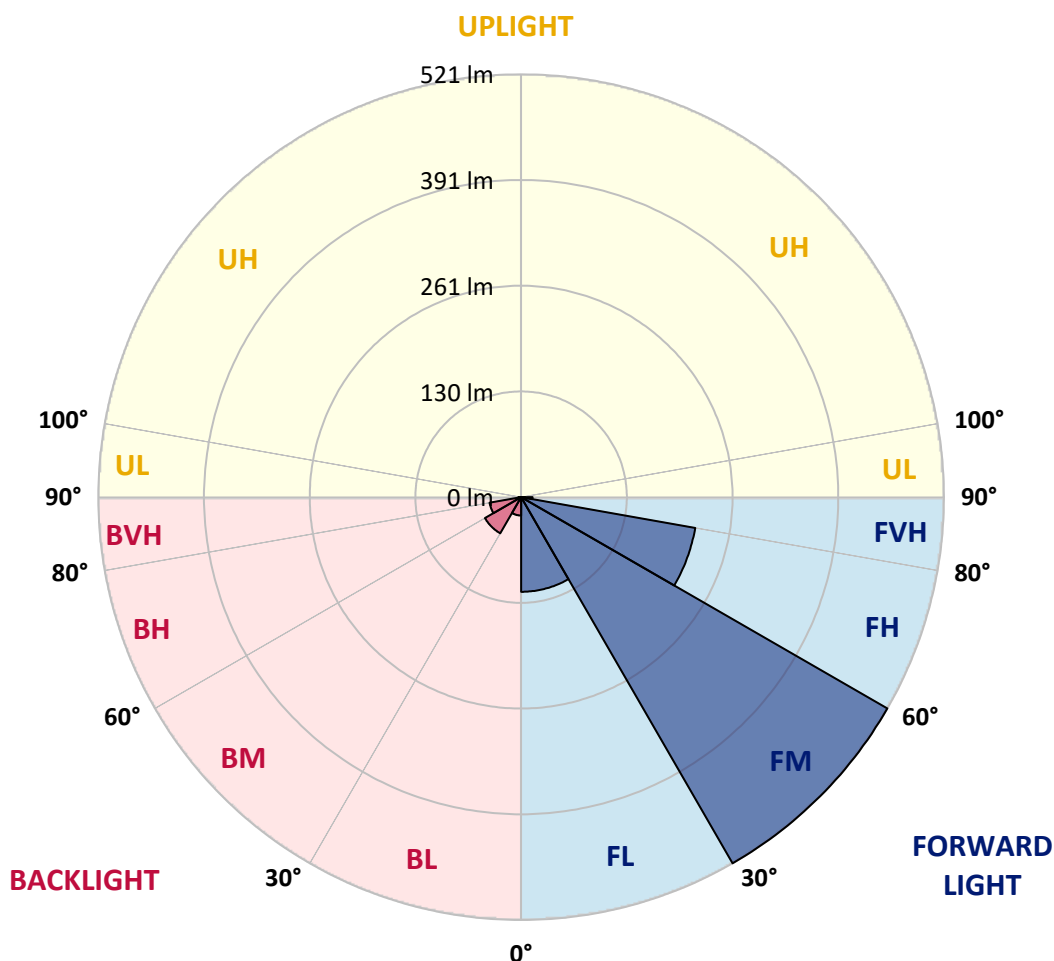
CATALOG NUMBER: EMM2-HTN-SA3A-AMB-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.7	11.8			
FM (30°-60°)	521.4	52.8			
FH (60°-80°)	218.0	22.1			G0/660
FVH (80°-90°)	14.1	1.4			G1/100
BL (0°-30°)	22.6	2.3	B0/110		
BM (30°-60°)	51.5	5.2	B0/220		
BH (60°-80°)	39.5	4.0	B0/110		G0/110
BVH (80°-90°)	3.5	0.4			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°	74°	75°	85°
0°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
2.5°	128.9	128.9	126.5	126.5	126.5	124.2	124.2	121.8	119.5	119.5	119.5
5°	152.3	154.6	152.3	150.0	145.3	140.6	133.6	126.5	124.2	121.8	119.5
7.5°	182.8	180.4	178.1	173.4	168.7	161.7	150.0	138.2	128.9	126.5	121.8
10°	217.9	220.2	213.2	206.2	194.5	182.8	171.0	152.3	138.2	135.9	124.2
12.5°	264.8	264.8	253.0	241.3	232.0	210.9	192.1	173.4	150.0	147.6	126.5
15°	306.9	304.6	302.3	290.5	271.8	246.0	217.9	194.5	166.4	161.7	131.2
17.5°	330.4	330.4	328.0	323.3	309.3	285.9	250.7	217.9	182.8	178.1	138.2
20°	339.7	339.7	337.4	335.1	332.7	321.0	288.2	246.0	203.8	199.2	145.3
22.5°	356.1	353.8	346.8	342.1	346.8	344.4	321.0	278.8	229.6	222.6	154.6
25°	384.3	379.6	367.9	358.5	358.5	360.8	349.1	309.3	257.7	250.7	168.7
27.5°	426.4	421.7	403.0	386.6	374.9	367.9	365.5	339.7	285.9	278.8	185.1
30°	475.6	471.0	456.9	428.8	403.0	381.9	374.9	363.2	314.0	306.9	203.8
32.5°	541.2	538.9	515.5	473.3	442.8	410.0	396.0	381.9	339.7	332.7	222.6
35°	616.2	606.8	588.1	531.9	487.4	449.9	424.1	405.3	363.2	353.8	239.0
37.5°	625.6	625.6	623.2	592.8	545.9	487.4	452.2	431.1	384.3	379.6	257.7
40°	595.1	592.8	602.2	599.8	581.1	536.6	494.4	466.3	412.4	403.0	274.1
42.5°	550.6	553.0	562.3	569.4	567.0	571.7	538.9	499.1	438.1	426.4	278.8
45°	520.2	517.8	524.8	529.5	531.9	564.7	578.7	529.5	468.6	456.9	288.2
47.5°	492.0	489.7	489.7	489.7	494.4	522.5	583.4	581.1	503.8	489.7	302.3
50°	459.2	454.5	452.2	456.9	463.9	471.0	555.3	613.9	545.9	531.9	318.7
52.5°	370.2	374.9	400.7	426.4	440.5	438.1	503.8	611.5	597.5	583.4	339.7
55°	257.7	257.7	297.6	365.5	419.4	421.7	447.5	588.1	649.0	635.0	372.5
57.5°	164.0	166.4	201.5	276.5	374.9	419.4	426.4	545.9	672.5	670.1	412.4
60°	105.4	110.1	128.9	194.5	283.5	403.0	431.1	508.4	665.4	670.1	463.9
62.5°	77.3	79.7	89.0	133.6	206.2	335.1	454.5	494.4	637.3	644.3	501.4
65°	63.3	63.3	67.9	96.1	142.9	229.6	454.5	513.1	592.8	602.2	508.4
67.5°	51.5	53.9	56.2	75.0	105.4	152.3	360.8	571.7	529.5	529.5	480.3
70°	44.5	44.5	49.2	60.9	79.7	105.4	229.6	543.6	480.3	473.3	419.4
72.5°	39.8	39.8	42.2	51.5	63.3	79.7	147.6	412.4	459.2	447.5	337.4
75°	32.8	35.1	37.5	42.2	51.5	60.9	93.7	285.9	372.5	356.1	274.1
77.5°	30.5	30.5	32.8	37.5	42.2	46.9	63.3	175.7	274.1	269.4	203.8
80°	23.4	23.4	25.8	30.5	32.8	35.1	42.2	89.0	175.7	175.7	121.8
82.5°	21.1	21.1	23.4	25.8	25.8	28.1	28.1	42.2	89.0	93.7	56.2
85°	18.7	16.4	16.4	18.7	21.1	18.7	18.7	21.1	37.5	37.5	25.8
87.5°	9.4	9.4	9.4	11.7	11.7	11.7	11.7	9.4	11.7	14.1	11.7
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°	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
2.5°	117.2	117.2	114.8	112.5	112.5	110.1	110.1	107.8	105.4	105.4	107.8
5°	117.2	117.2	112.5	107.8	103.1	98.4	93.7	89.0	86.7	86.7	84.3
7.5°	117.2	114.8	107.8	100.8	91.4	82.0	72.6	65.6	60.9	58.6	58.6
10°	119.5	112.5	103.1	91.4	77.3	60.9	51.5	44.5	42.2	42.2	39.8
12.5°	119.5	112.5	98.4	82.0	60.9	46.9	39.8	37.5	35.1	35.1	35.1
15°	121.8	112.5	93.7	72.6	49.2	37.5	35.1	32.8	32.8	32.8	32.8
17.5°	126.5	114.8	89.0	60.9	39.8	35.1	32.8	30.5	30.5	30.5	30.5
20°	128.9	114.8	86.7	51.5	35.1	32.8	30.5	28.1	28.1	28.1	28.1
22.5°	133.6	117.2	82.0	44.5	32.8	30.5	28.1	28.1	25.8	25.8	25.8
25°	140.6	119.5	79.7	39.8	30.5	28.1	25.8	25.8	23.4	23.4	23.4
27.5°	150.0	126.5	75.0	35.1	28.1	25.8	25.8	23.4	23.4	23.4	23.4
30°	164.0	133.6	75.0	35.1	28.1	25.8	23.4	21.1	21.1	21.1	21.1
32.5°	175.7	140.6	72.6	35.1	28.1	23.4	21.1	21.1	18.7	18.7	18.7
35°	185.1	145.3	72.6	37.5	28.1	23.4	21.1	18.7	18.7	18.7	18.7
37.5°	194.5	152.3	70.3	37.5	30.5	21.1	18.7	18.7	16.4	16.4	16.4
40°	210.9	161.7	72.6	37.5	30.5	21.1	18.7	16.4	16.4	16.4	16.4
42.5°	217.9	166.4	77.3	37.5	30.5	21.1	16.4	16.4	16.4	14.1	14.1
45°	217.9	166.4	77.3	39.8	28.1	21.1	16.4	14.1	14.1	14.1	14.1
47.5°	222.6	164.0	75.0	42.2	28.1	21.1	16.4	14.1	14.1	14.1	14.1
50°	232.0	166.4	75.0	44.5	25.8	18.7	14.1	14.1	14.1	11.7	11.7
52.5°	246.0	173.4	72.6	44.5	23.4	16.4	14.1	14.1	11.7	11.7	11.7
55°	264.8	182.8	75.0	42.2	23.4	16.4	14.1	11.7	11.7	11.7	11.7
57.5°	288.2	194.5	77.3	39.8	21.1	14.1	11.7	11.7	9.4	9.4	9.4
60°	321.0	213.2	82.0	35.1	18.7	11.7	11.7	9.4	9.4	9.4	9.4
62.5°	351.5	232.0	82.0	30.5	16.4	11.7	11.7	9.4	9.4	7.0	7.0
65°	374.9	255.4	79.7	25.8	14.1	11.7	9.4	9.4	7.0	7.0	7.0
67.5°	379.6	257.7	75.0	16.4	11.7	9.4	9.4	9.4	7.0	7.0	7.0
70°	346.8	239.0	72.6	11.7	9.4	9.4	9.4	7.0	7.0	7.0	7.0
72.5°	285.9	194.5	58.6	9.4	9.4	7.0	7.0	7.0	7.0	7.0	7.0
75°	243.7	145.3	37.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.7
77.5°	196.8	119.5	23.4	7.0	4.7	7.0	7.0	4.7	4.7	4.7	4.7
80°	124.2	96.1	14.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	58.6	49.2	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	23.4	21.1	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7
87.5°	9.4	7.0	2.3	2.3	2.3	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

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  
 Rf: 1.1  
 Rg: 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**

$\lambda$ (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	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)