

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: P868285

Luminaire Tested: **MEM2-HSN-SA-46-AMB-U-T3**

Issue Date: 08/22/2024



Test Information

Test Method: LM-79-08
Report Number: P868285
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/22/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM2-HSN-SA-46-AMB-U-T3
Description: EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 46W OCRI 1540K
FITXURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (30) 1540K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

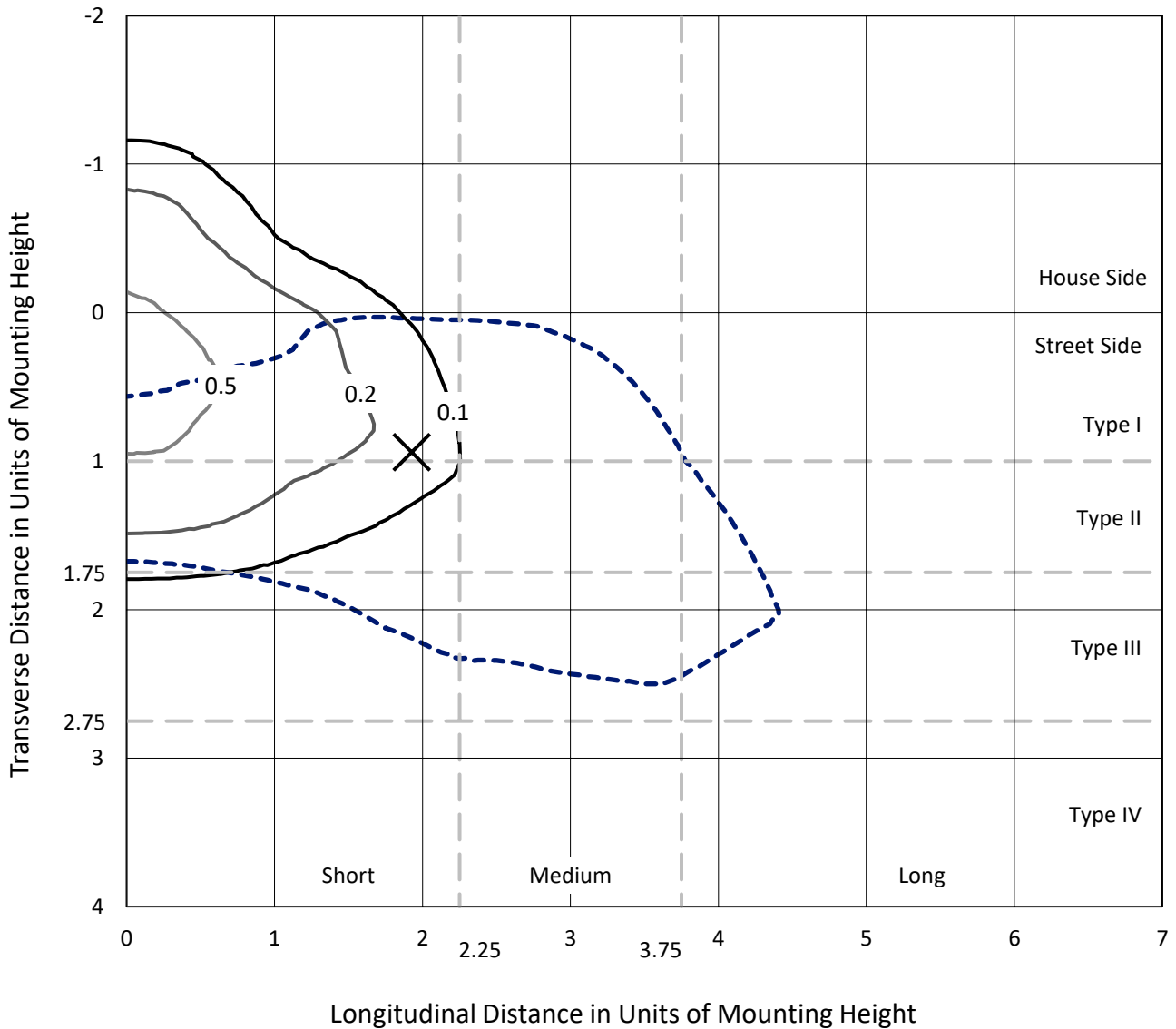
Lumens per Lamp: N/A
Luminaire Lumens: 1438.8 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): 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

REPORT NUMBER: P868285
 CATALOG NUMBER: MEM2-HSN-SA-46-AMB-U-T3

Iso-Footcandle Lines of Horizontal Illumination

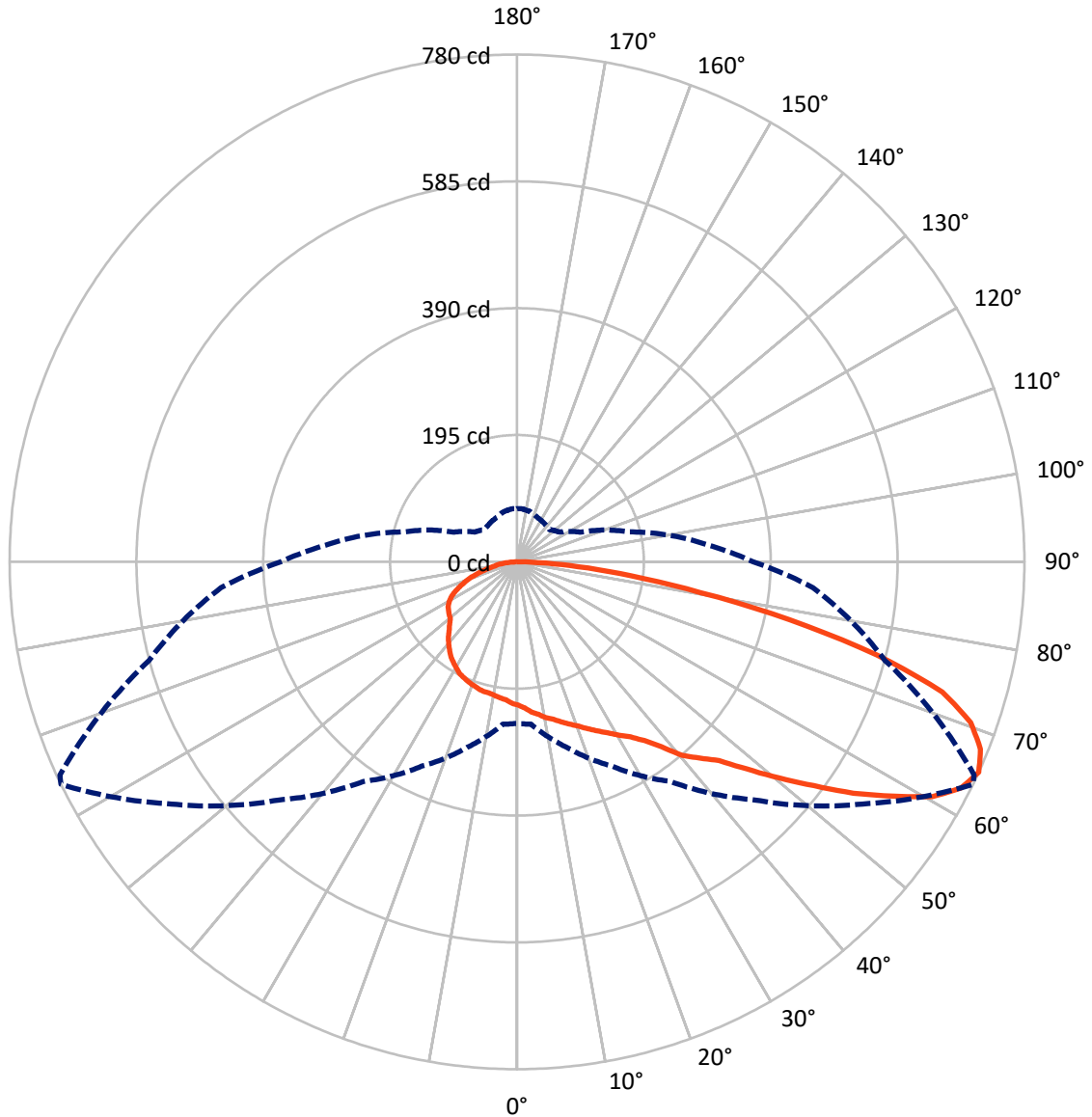
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

REPORT NUMBER: P868285
CATALOG NUMBER: MEM2-HSN-SA-46-AMB-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P868285
 CATALOG NUMBER: MEM2-HSN-SA-46-AMB-U-T3

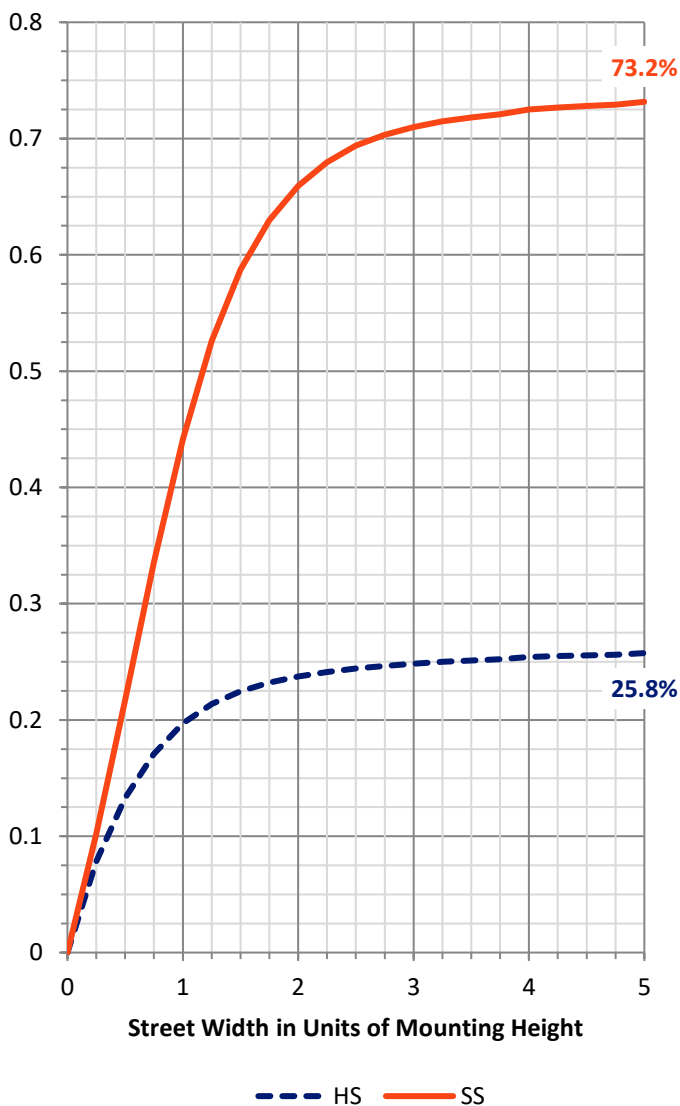
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	377.8	0.0	377.8
	% Fixture	26.3	0.0	26.3
Street Side	Lumens	1061.0	0.0	1061.0
	% Fixture	73.7	0.0	73.7
Total	Lumens	1438.8	0.0	1438.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	1.5
10°-20°	68.2	4.7
20°-30°	116.0	8.1
30°-40°	177.7	12.4
40°-50°	244.3	17.0
50°-60°	294.3	20.5
60°-70°	289.5	20.1
70°-80°	183.1	12.7
80°-90°	44.0	3.1
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°	1438.8	100.0
0°-180°	1438.8	100.0

Coefficient of Utilization



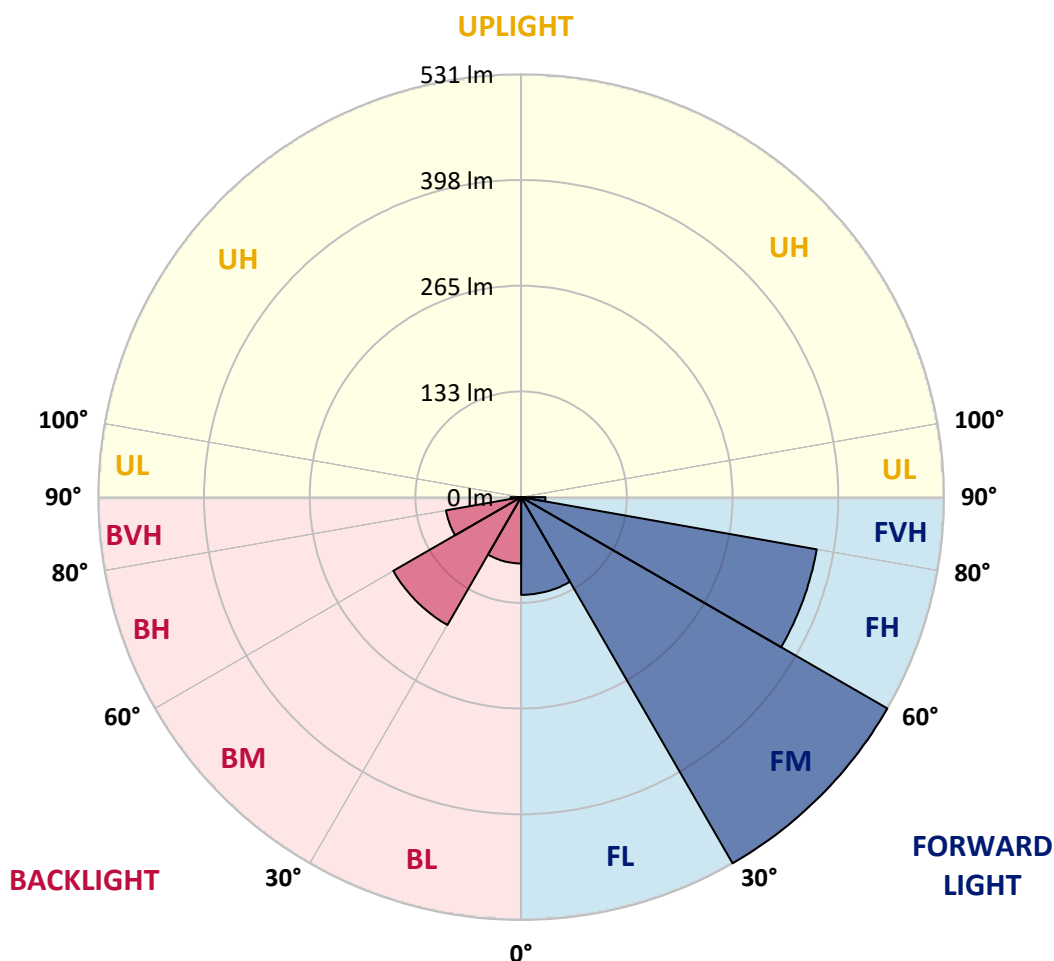
REPORT NUMBER: P868285
 CATALOG NUMBER: MEM2-HSN-SA-46-AMB-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.7	8.5			
FM (30°-60°)	530.9	36.9			
FH (60°-80°)	376.9	26.2			G0/660
FVH (80°-90°)	30.6	2.1			G1/100
BL (0°-30°)	83.2	5.8	B0/110		
BM (30°-60°)	185.4	12.9	B0/220		
BH (60°-80°)	95.8	6.7	B0/110		G0/110
BVH (80°-90°)	13.4	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P868285

CATALOG NUMBER: MEM2-HSN-SA-46-AMB-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3
2.5°	234.3	232.0	232.0	232.0	229.6	229.6	227.3	224.9	224.9	224.9	222.6
5°	248.4	250.7	248.4	248.4	243.7	241.3	236.7	232.0	232.0	227.3	222.6
7.5°	267.1	267.1	267.1	262.4	257.7	253.1	243.7	236.7	236.7	229.6	222.6
10°	285.9	285.9	283.5	278.8	271.8	262.4	253.1	243.7	241.3	232.0	222.6
12.5°	299.9	299.9	299.9	295.2	285.9	274.2	260.1	248.4	246.0	234.3	224.9
15°	307.0	309.3	309.3	304.6	299.9	285.9	271.8	255.4	253.1	236.7	224.9
17.5°	309.3	309.3	311.6	311.6	309.3	297.6	281.2	262.4	260.1	241.3	224.9
20°	307.0	307.0	311.6	316.3	318.7	311.6	292.9	269.5	267.1	243.7	227.3
22.5°	309.3	309.3	314.0	321.0	325.7	321.0	302.3	278.8	274.2	250.7	229.6
25°	325.7	328.0	330.4	330.4	335.1	332.7	314.0	288.2	283.5	255.4	234.3
27.5°	358.5	360.8	358.5	351.5	349.1	342.1	325.7	297.6	295.2	262.4	239.0
30°	398.3	398.3	398.3	384.3	374.9	360.8	339.8	309.3	304.6	267.1	246.0
32.5°	431.1	431.1	433.5	421.8	407.7	381.9	353.8	321.0	316.3	278.8	255.4
35°	447.5	452.2	456.9	452.2	431.1	403.0	377.3	337.4	332.7	292.9	271.8
37.5°	456.9	461.6	471.0	466.3	440.5	424.1	410.1	360.8	356.2	309.3	285.9
40°	485.0	487.4	494.4	480.3	447.5	442.9	438.2	391.3	384.3	328.0	304.6
42.5°	515.5	520.2	527.2	501.4	463.9	459.3	463.9	412.4	405.4	337.4	311.6
45°	541.3	538.9	553.0	513.2	489.7	475.7	489.7	435.8	428.8	353.8	330.4
47.5°	550.6	543.6	543.6	527.2	527.2	489.7	515.5	475.7	466.3	377.3	349.1
50°	548.3	541.3	546.0	534.2	538.9	508.5	543.6	522.5	513.2	405.4	374.9
52.5°	524.9	524.9	536.6	538.9	538.9	520.2	571.7	571.7	560.0	435.8	400.7
55°	485.0	485.0	510.8	527.2	529.6	527.2	599.9	628.0	613.9	468.6	421.8
57.5°	426.5	431.1	454.6	501.4	517.8	536.6	628.0	679.5	667.8	501.4	435.8
60°	365.5	367.9	393.7	456.9	496.8	541.3	646.7	733.4	721.7	531.9	442.9
62.5°	304.6	304.6	342.1	393.7	456.9	534.2	656.1	766.2	756.8	557.7	449.9
65°	248.4	250.7	295.2	346.8	412.4	517.8	649.1	780.3	775.6	585.8	456.9
67.5°	178.1	175.7	229.6	299.9	370.2	492.1	609.2	768.6	773.2	613.9	463.9
70°	119.5	117.2	161.7	229.6	323.4	466.3	553.0	740.4	756.8	606.9	454.6
72.5°	89.0	89.0	114.8	159.3	232.0	421.8	515.5	684.2	712.3	538.9	393.7
75°	68.0	70.3	86.7	110.1	152.3	297.6	485.0	571.7	599.9	417.1	316.3
77.5°	58.6	58.6	63.3	79.7	98.4	178.1	370.2	428.8	442.9	304.6	239.0
80°	49.2	49.2	49.2	58.6	68.0	98.4	206.2	285.9	292.9	201.5	168.7
82.5°	39.8	39.8	39.8	44.5	49.2	60.9	112.5	175.7	182.8	131.2	114.8
85°	30.5	30.5	30.5	32.8	35.1	39.8	63.3	93.7	96.1	84.4	49.2
87.5°	16.4	16.4	18.7	18.7	21.1	23.4	30.5	32.8	32.8	28.1	14.1
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: P868285
 CATALOG NUMBER: MEM2-HSN-SA-46-AMB-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3
2.5°	222.6	220.3	220.3	217.9	215.6	215.6	213.2	213.2	213.2	213.2	213.2
5°	222.6	220.3	215.6	213.2	210.9	210.9	208.5	208.5	206.2	208.5	208.5
7.5°	222.6	217.9	213.2	210.9	208.5	206.2	206.2	203.9	203.9	206.2	206.2
10°	220.3	215.6	210.9	208.5	206.2	203.9	203.9	203.9	203.9	203.9	203.9
12.5°	220.3	215.6	210.9	206.2	206.2	203.9	201.5	201.5	203.9	203.9	203.9
15°	220.3	213.2	208.5	206.2	203.9	201.5	201.5	201.5	201.5	203.9	203.9
17.5°	217.9	213.2	206.2	203.9	201.5	199.2	199.2	199.2	199.2	201.5	201.5
20°	220.3	213.2	206.2	201.5	199.2	196.8	196.8	194.5	194.5	196.8	196.8
22.5°	220.3	213.2	203.9	199.2	196.8	192.1	189.8	189.8	187.5	189.8	192.1
25°	224.9	215.6	203.9	196.8	189.8	187.5	185.1	182.8	180.4	182.8	185.1
27.5°	227.3	217.9	203.9	194.5	182.8	178.1	175.7	175.7	175.7	178.1	180.4
30°	232.0	220.3	203.9	189.8	175.7	168.7	171.1	171.1	173.4	175.7	175.7
32.5°	241.3	227.3	203.9	185.1	168.7	161.7	166.4	171.1	173.4	173.4	175.7
35°	255.4	236.7	203.9	180.4	161.7	157.0	164.0	171.1	173.4	175.7	178.1
37.5°	267.1	248.4	206.2	173.4	157.0	152.3	159.3	173.4	175.7	175.7	178.1
40°	281.2	255.4	203.9	166.4	150.0	147.6	157.0	171.1	173.4	173.4	175.7
42.5°	283.5	250.7	196.8	159.3	142.9	145.3	150.0	168.7	171.1	171.1	168.7
45°	295.2	257.7	192.1	150.0	138.2	140.6	142.9	159.3	166.4	166.4	164.0
47.5°	314.0	267.1	187.5	142.9	131.2	133.6	133.6	147.6	152.3	154.6	152.3
50°	332.7	276.5	185.1	135.9	124.2	124.2	121.8	133.6	140.6	138.2	138.2
52.5°	351.5	281.2	182.8	133.6	119.5	112.5	114.8	121.8	126.5	126.5	124.2
55°	363.2	285.9	180.4	131.2	110.1	100.8	105.4	110.1	114.8	114.8	114.8
57.5°	372.6	290.6	180.4	128.9	103.1	93.7	96.1	98.4	105.4	105.4	105.4
60°	372.6	292.9	182.8	124.2	93.7	84.4	86.7	91.4	96.1	96.1	96.1
62.5°	367.9	295.2	182.8	117.2	86.7	77.3	79.7	82.0	86.7	89.0	89.0
65°	363.2	295.2	178.1	107.8	79.7	70.3	72.6	75.0	79.7	82.0	82.0
67.5°	360.8	292.9	164.0	96.1	72.6	63.3	65.6	68.0	72.6	72.6	75.0
70°	349.1	274.2	142.9	84.4	65.6	58.6	58.6	60.9	65.6	63.3	63.3
72.5°	311.6	232.0	117.2	72.6	58.6	51.5	51.5	56.2	58.6	60.9	60.9
75°	267.1	173.4	89.0	58.6	49.2	46.9	46.9	49.2	53.9	56.2	56.2
77.5°	208.5	126.5	65.6	44.5	39.8	39.8	42.2	44.5	46.9	51.5	49.2
80°	138.2	86.7	46.9	35.1	32.8	35.1	37.5	39.8	44.5	46.9	44.5
82.5°	86.7	58.6	32.8	28.1	28.1	30.5	32.8	35.1	42.2	44.5	42.2
85°	35.1	35.1	23.4	18.7	21.1	23.4	23.4	28.1	32.8	32.8	30.5
87.5°	11.7	11.7	9.4	7.0	9.4	9.4	9.4	11.7	16.4	16.4	14.1
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: 4π
 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

REPORT NUMBER: SP1-2407-157-1

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: SP1-2407-157-1

CIE 1931 Chromaticity Diagram



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



Point lies outside the range

REPORT NUMBER: SP1-2407-157-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	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



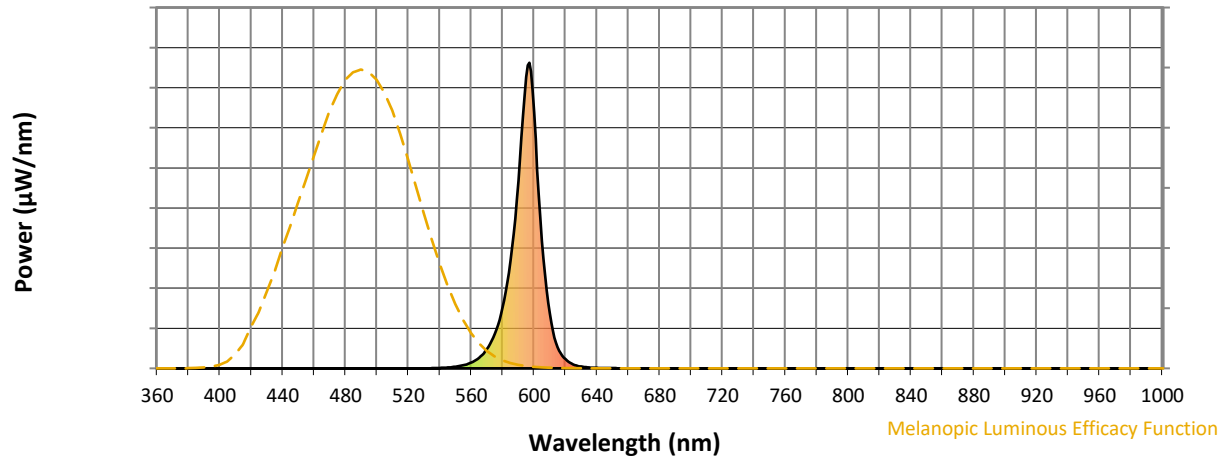
Scotopic Lumens: NR

S/P: 0.22

λ (nm)	Power W [^] /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	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

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 0.12

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