

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: P867440

Luminaire Tested: **MEM2-HTN-SA-130-727-U-T1**

Issue Date: 08/21/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P867440  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 08/21/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: MEM2-HTN-SA-130-727-U-T1  
Description: EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 130W 70CRI 2700K  
FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC  
Light Source: (30) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

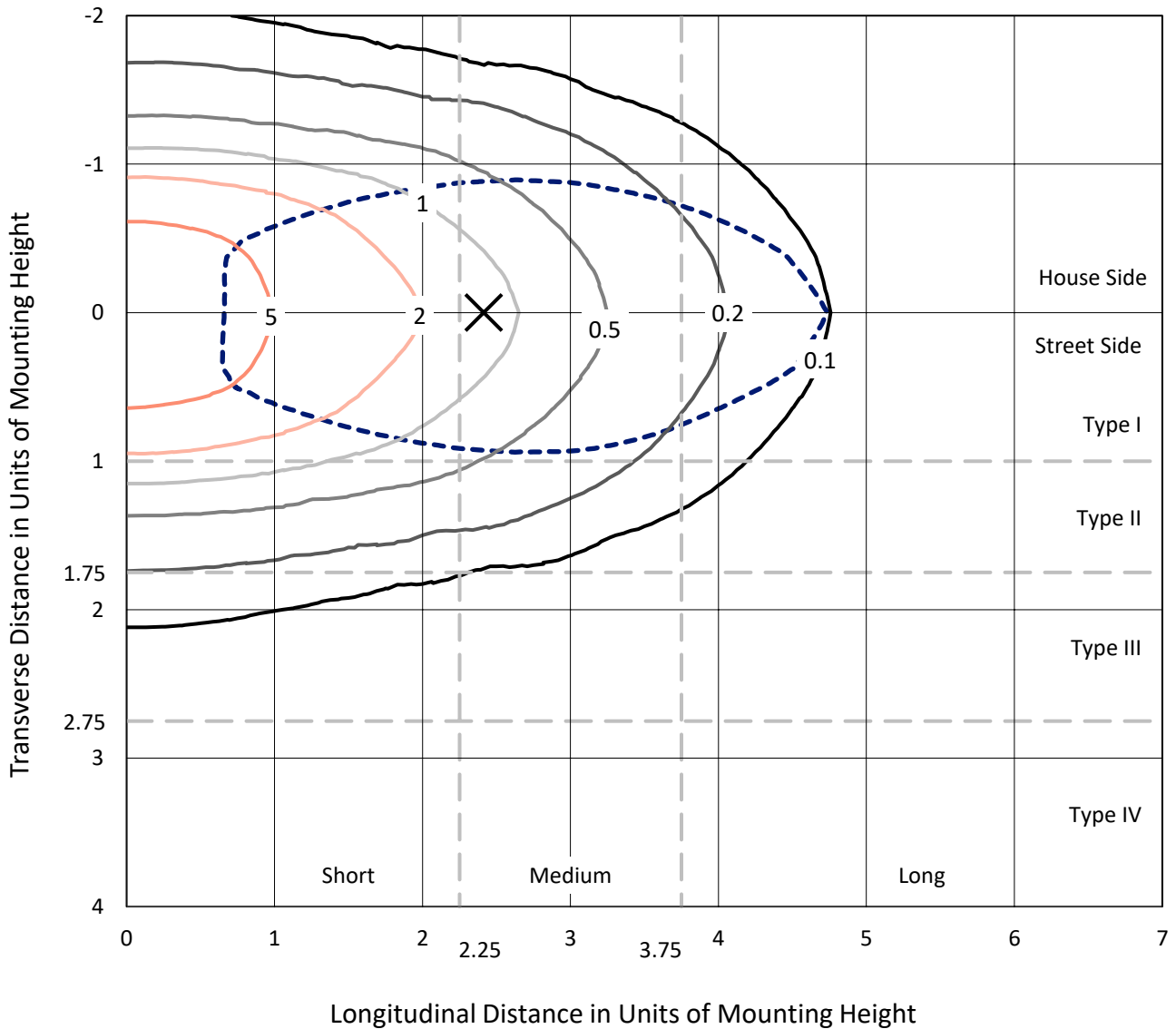
Lumens per Lamp: N/A  
Luminaire Lumens: 16179 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 113  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 7.77%  
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

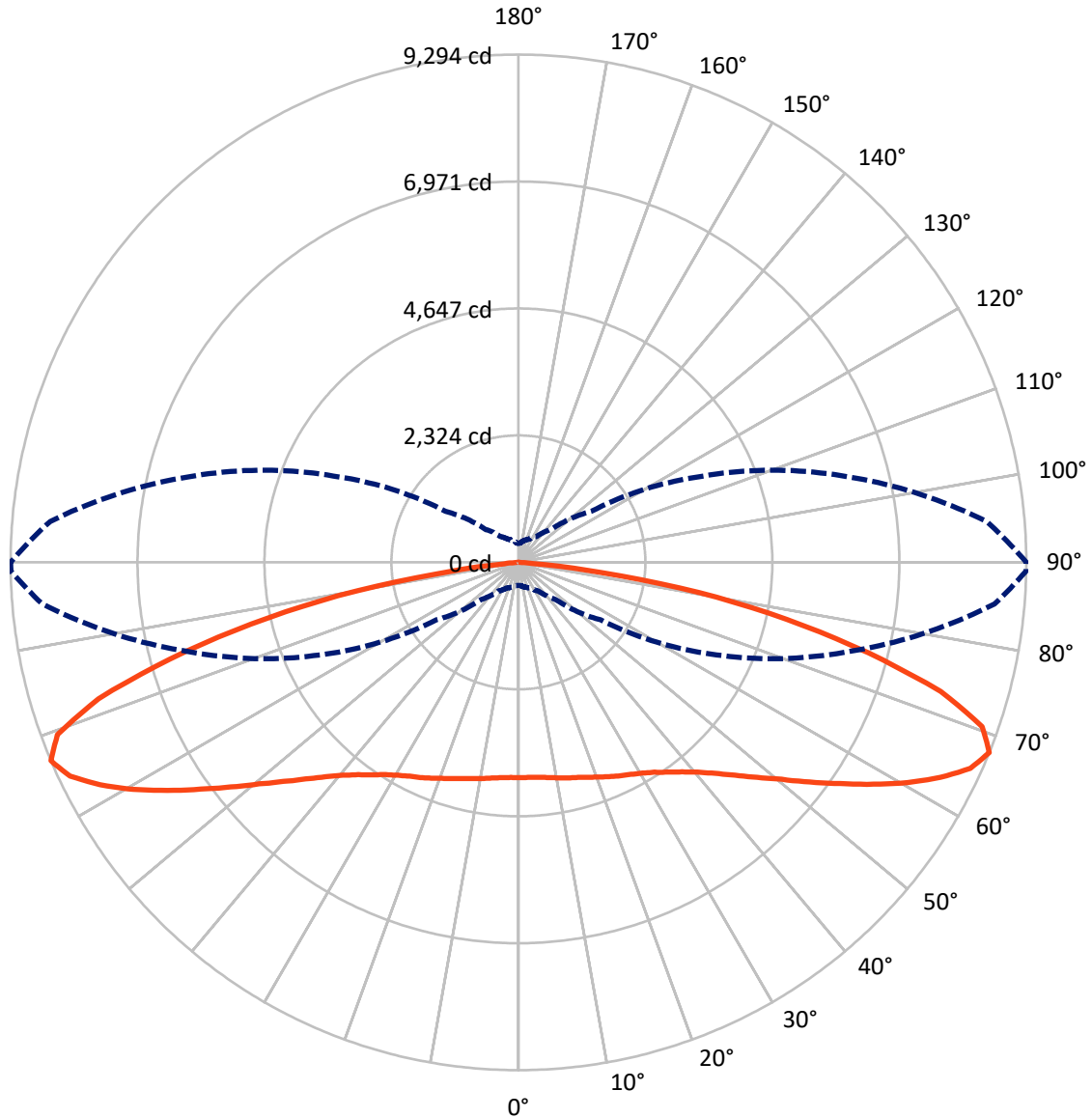
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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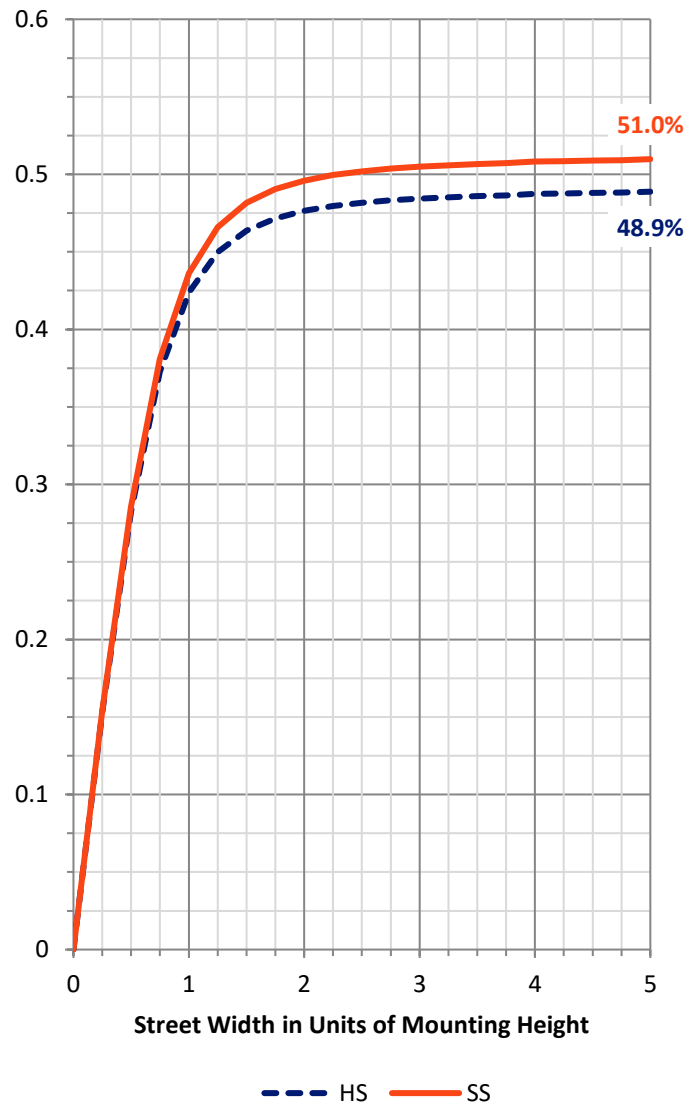
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7945.8	0.0	7945.8
	% Fixture	49.1	0.0	49.1
<b>Street Side</b>	Lumens	8233.2	0.0	8233.2
	% Fixture	50.9	0.0	50.9
<b>Total</b>	Lumens	16179.0	0.0	16179.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.8	2.3
10°-20°	1135.3	7.0
20°-30°	1878.9	11.6
30°-40°	2491.4	15.4
40°-50°	2809.0	17.4
50°-60°	2879.6	17.8
60°-70°	2719.8	16.8
70°-80°	1668.9	10.3
80°-90°	218.4	1.3
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°	16179.0	100.0
0°-180°	16179.0	100.0



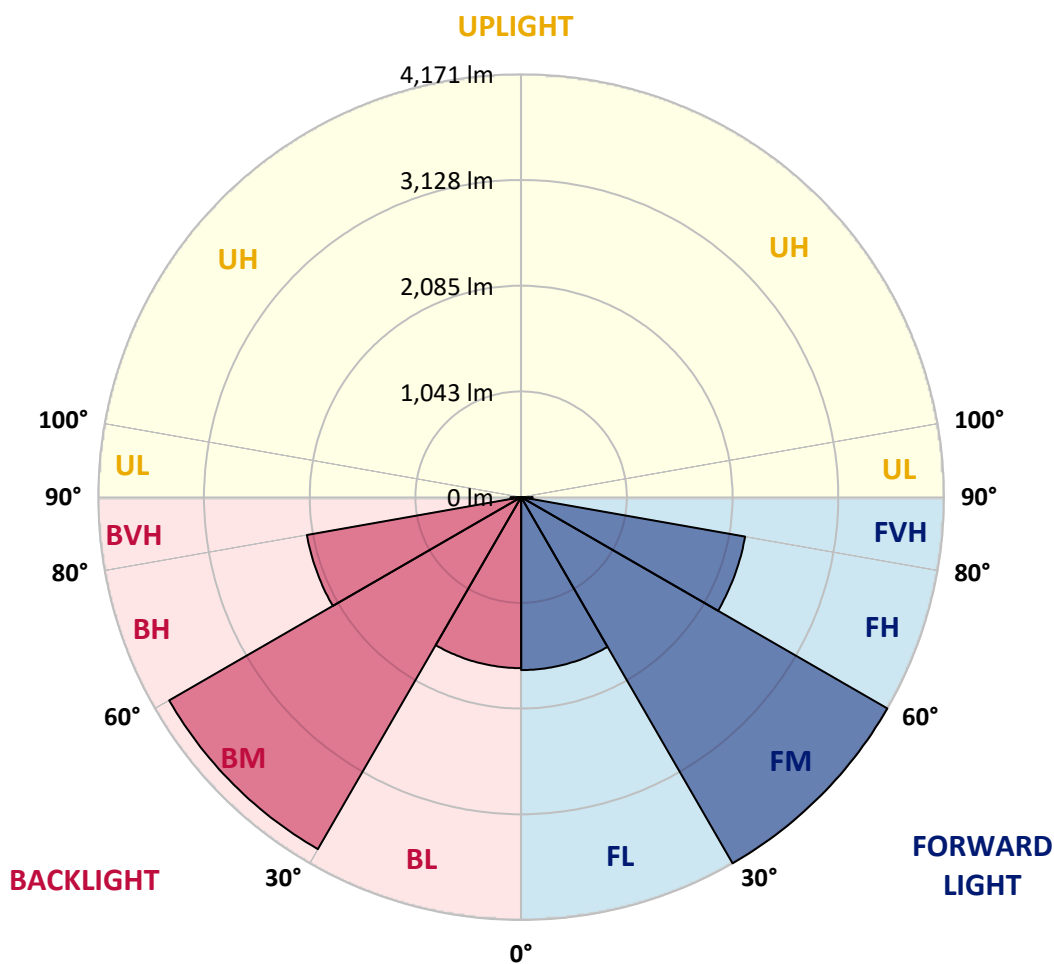
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1705.7	10.5			
FM (30°-60°)	4170.7	25.8			
FH (60°-80°)	2242.9	13.9			G2/5000
FVH (80°-90°)	113.7	0.7			G2/225
BL (0°-30°)	1686.3	10.4	B3/2500		
BM (30°-60°)	4009.3	24.8	B3/5000		
BH (60°-80°)	2145.7	13.3	B3/2500		G3/2500
BVH (80°-90°)	104.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0
2.5°	3957.5	3957.5	3948.2	3932.7	3929.5	3932.7	3951.3	3942.0	3942.0	3945.1	3942.0
5°	3957.5	3957.5	3951.3	3935.8	3935.8	3935.8	3957.5	3948.2	3951.3	3954.4	3954.4
7.5°	3963.7	3963.7	3957.5	3945.1	3945.1	3945.1	3976.1	3969.9	3969.9	3979.3	3973.0
10°	3979.3	3973.0	3966.8	3969.9	3960.6	3976.1	3991.7	3994.8	4007.2	4013.4	4010.3
12.5°	3979.3	3973.0	3957.5	3976.1	3976.1	3997.9	4019.6	4032.1	4047.6	4047.6	4047.6
15°	3960.6	3954.4	3942.0	3973.0	3985.5	4013.4	4044.5	4063.1	4091.1	4091.1	4088.0
17.5°	3938.9	3929.5	3923.3	3969.9	3997.9	4035.2	4081.8	4106.6	4137.7	4140.8	4134.6
20°	3898.5	3895.4	3898.5	3960.6	4010.3	4063.1	4119.0	4153.2	4193.6	4206.0	4196.7
22.5°	3855.0	3855.0	3867.4	3951.3	4029.0	4100.4	4175.0	4218.4	4258.8	4271.2	4258.8
25°	3796.0	3796.0	3820.8	3920.2	4035.2	4140.8	4227.8	4286.8	4324.1	4336.5	4330.3
27.5°	3705.9	3705.9	3733.8	3858.1	4016.5	4171.8	4283.7	4352.0	4392.4	4404.8	4398.6
30°	3578.5	3572.3	3609.6	3764.9	3982.4	4206.0	4348.9	4420.4	4473.2	4482.5	4473.2
32.5°	3376.6	3385.9	3441.9	3637.6	3926.4	4227.8	4426.6	4510.4	4569.5	4588.1	4581.9
35°	3131.2	3146.7	3224.4	3476.0	3820.8	4224.7	4507.3	4609.8	4687.5	4712.4	4709.2
37.5°	2839.2	2861.0	2957.3	3252.4	3662.4	4178.1	4581.9	4721.7	4824.2	4855.2	4861.5
40°	2519.3	2541.0	2665.3	2991.4	3448.1	4069.3	4625.4	4849.0	4985.7	5047.8	5057.2
42.5°	2180.7	2217.9	2367.0	2683.9	3190.2	3895.4	4625.4	4973.3	5141.0	5256.0	5265.3
45°	1854.5	1885.6	2065.7	2376.4	2913.8	3671.7	4572.6	5097.5	5352.3	5551.1	5544.9
47.5°	1571.8	1581.1	1745.8	2059.5	2606.2	3417.0	4463.8	5209.4	5575.9	5840.0	5895.9
50°	1279.8	1301.6	1441.4	1752.0	2292.5	3137.4	4280.6	5280.8	5805.8	6206.5	6278.0
52.5°	1074.8	1077.9	1183.5	1469.3	1966.3	2798.8	4060.0	5299.5	6026.3	6604.1	6691.1
55°	876.0	891.5	981.6	1195.9	1652.6	2466.5	3774.2	5271.5	6228.3	6989.3	7150.8
57.5°	751.7	754.8	820.1	990.9	1394.8	2112.3	3457.4	5178.3	6396.0	7414.9	7619.9
60°	646.1	646.1	695.8	826.3	1127.6	1767.5	3084.6	5013.7	6489.2	7871.5	8169.7
62.5°	562.3	565.4	608.8	705.1	938.1	1460.0	2674.6	4755.8	6523.4	8312.6	8654.3
65°	509.4	512.5	537.4	602.6	773.5	1186.6	2255.2	4442.1	6476.8	8641.9	9086.1
67.5°	422.5	425.6	469.1	518.8	643.0	953.7	1832.8	4007.2	6287.3	8744.4	9288.0
70°	323.1	332.4	391.4	444.2	534.3	761.1	1407.2	3432.5	5833.7	8396.5	8955.6
72.5°	270.3	273.4	316.8	375.9	447.3	596.4	1068.6	2702.5	5144.1	7498.8	8120.0
75°	236.1	239.2	264.0	316.8	372.8	478.4	742.4	1866.9	4103.5	6063.6	6632.1
77.5°	214.3	217.4	223.7	267.1	313.7	369.7	525.0	1109.0	2895.1	4634.7	4932.9
80°	205.0	205.0	189.5	220.6	257.8	288.9	351.0	636.8	1857.6	3125.0	3364.2
82.5°	146.0	142.9	130.5	136.7	158.4	158.4	180.2	264.0	711.4	1320.2	1432.0
85°	9.3	9.3	15.5	18.6	28.0	37.3	46.6	62.1	180.2	245.4	254.7
87.5°	3.1	3.1	3.1	3.1	3.1	6.2	6.2	6.2	9.3	12.4	12.4
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: MEM2-HTN-SA-130-727-U-T1

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0	3942.0
2.5°	3938.9	3942.0	3942.0	3948.2	3954.4	3951.3	3948.2	3954.4	3945.1	3926.4	3923.3
5°	3951.3	3951.3	3948.2	3954.4	3960.6	3954.4	3948.2	3948.2	3942.0	3923.3	3920.2
7.5°	3976.1	3973.0	3973.0	3973.0	3973.0	3963.7	3954.4	3948.2	3938.9	3920.2	3910.9
10°	4010.3	4007.2	4004.1	4001.0	3985.5	3976.1	3960.6	3951.3	3938.9	3917.1	3910.9
12.5°	4047.6	4041.4	4035.2	4038.3	4007.2	3979.3	3963.7	3942.0	3932.7	3883.0	3873.6
15°	4084.9	4075.5	4072.4	4060.0	4029.0	3988.6	3957.5	3926.4	3895.4	3848.8	3833.3
17.5°	4134.6	4128.4	4109.7	4097.3	4053.8	3997.9	3951.3	3907.8	3867.4	3811.5	3802.2
20°	4193.6	4187.4	4168.7	4143.9	4088.0	4019.6	3954.4	3886.1	3836.4	3771.1	3755.6
22.5°	4258.8	4249.5	4234.0	4206.0	4134.6	4053.8	3963.7	3873.6	3799.1	3724.5	3715.2
25°	4327.2	4321.0	4305.4	4265.0	4187.4	4088.0	3963.7	3830.1	3737.0	3671.7	3643.8
27.5°	4392.4	4389.3	4370.7	4324.1	4243.3	4112.8	3935.8	3758.7	3634.4	3547.5	3528.8
30°	4476.3	4470.1	4448.3	4395.5	4305.4	4128.4	3879.8	3637.6	3482.2	3385.9	3358.0
32.5°	4578.8	4572.6	4541.5	4476.3	4380.0	4131.5	3799.1	3482.2	3277.2	3174.7	3140.5
35°	4715.5	4703.0	4662.7	4585.0	4451.4	4100.4	3656.2	3283.4	3031.8	2898.2	2851.6
37.5°	4864.6	4849.0	4796.2	4699.9	4501.1	4016.5	3454.3	3016.3	2730.5	2572.1	2537.9
40°	5047.8	5026.1	4945.3	4811.8	4519.8	3870.5	3227.5	2742.9	2438.5	2264.5	2224.2
42.5°	5277.7	5240.4	5110.0	4936.0	4482.5	3671.7	2957.3	2460.2	2112.3	1950.8	1941.5
45°	5554.2	5495.2	5299.5	5057.2	4401.7	3423.2	2671.5	2143.4	1811.0	1652.6	1612.2
47.5°	5880.3	5808.9	5520.0	5150.3	4243.3	3168.5	2363.9	1835.9	1531.4	1369.9	1338.8
50°	6240.7	6172.3	5753.0	5203.2	4072.4	2870.3	2062.6	1562.5	1258.1	1124.5	1124.5
52.5°	6678.7	6523.4	5976.6	5209.4	3811.5	2541.0	1773.7	1295.4	1056.2	938.1	913.3
55°	7144.6	6961.4	6178.6	5153.5	3541.3	2239.7	1463.1	1077.9	866.7	782.8	761.1
57.5°	7663.4	7383.8	6324.6	5041.6	3199.6	1910.4	1220.8	888.4	730.0	661.7	652.3
60°	8185.3	7824.9	6411.5	4852.1	2836.1	1606.0	1015.8	742.4	627.5	577.8	568.5
62.5°	8669.9	8185.3	6417.7	4575.7	2482.0	1338.8	832.5	639.9	556.0	518.8	518.8
65°	9089.2	8486.6	6312.1	4221.5	2031.6	1074.8	686.5	540.5	484.6	444.2	434.9
67.5°	9294.2	8601.5	6125.7	3737.0	1627.7	851.1	577.8	469.1	416.3	354.1	347.9
70°	9005.3	8269.1	5647.4	3115.7	1258.1	677.2	481.5	400.7	347.9	295.1	288.9
72.5°	8082.8	7383.8	4873.9	2413.6	947.4	546.7	400.7	341.7	285.8	257.8	251.6
75°	6613.4	6141.3	3851.9	1661.9	661.7	428.7	335.5	288.9	242.3	229.9	226.8
77.5°	5019.9	4566.4	2814.4	1040.6	453.5	335.5	285.8	245.4	211.2	220.6	214.3
80°	3351.8	3143.6	1870.0	590.2	304.4	245.4	217.4	180.2	161.5	186.4	180.2
82.5°	1522.1	1441.4	879.1	257.8	136.7	105.6	74.6	55.9	43.5	40.4	46.6
85°	254.7	223.7	62.1	28.0	15.5	9.3	6.2	6.2	3.1	3.1	3.1
87.5°	12.4	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	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: SP1-2407-157-3

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-727-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-727-U-5WQ-2

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2407-157-3  
 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-40-727-U-5WQ-2**  
 Description: Epic Modern Light Square 40W 5WQ Optic and Flare Trim

**Spectral Parameters**

CCT (K): 2747  
 CIE u': 0.2606  
 CIE v': 0.5257  
 Duv: -0.0005  
 CIE x: 0.4552  
 CIE y: 0.4082  
 CIE z: 0.1366  
 Peak Wavelength (nm): 597  
 Dominant Wavelength (nm): 584  
 Purity: 59.16856  
 Rf: 75.5  
 Rg: 93.6

CRI (Ra):	71.7		
R1:	68.1	R9:	-35.3
R2:	83.9	R10:	64.2
R3:	94.7	R11:	61.7
R4:	66.3	R12:	53.9
R5:	67.4	R13:	71.2
R6:	78.7	R14:	97.6
R7:	75.0	R15:	59.3
R8:	39.4		



**Test Conditions**

Stabilization Time: 22M  
 Operation Time: 1H 22M  
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2407-157-3

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



CCT = 2747K  
 CIE x = 0.4552  
 CIE y = 0.4082  
 Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

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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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.13**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP1-2407-157-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.04

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

**Summary**

$R_f = 75.5$   
 $R_g = 93.6$   
 $CIE R_a = 71.7$   
 $R_g = -35.3$



**Color Vector Graphics**





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

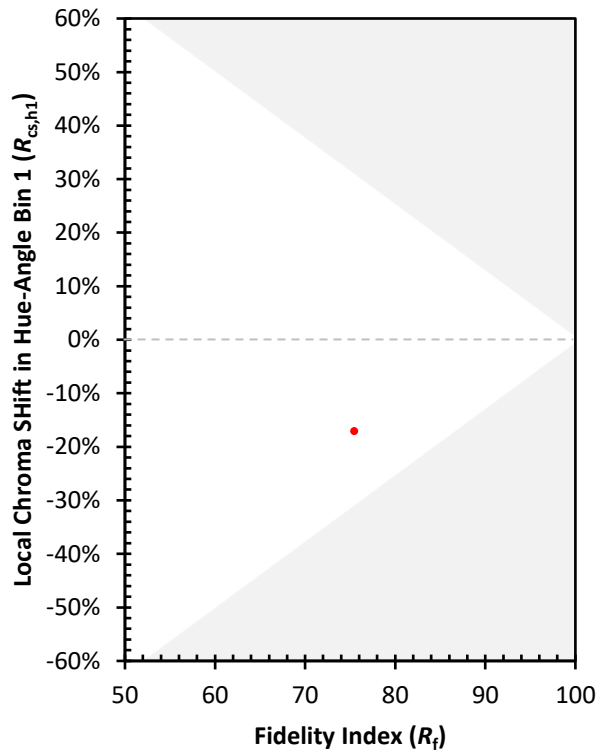
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 63
CES02 = 63	CES27 = 90	CES52 = 85	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 66
CES04 = 71	CES29 = 71	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 85	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 66	CES57 = 75	CES82 = 93
CES08 = 41	CES33 = 80	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 72
CES11 = 60	CES36 = 93	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 93	CES63 = 77	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 67	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 66	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 63	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 78	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 61	CES96 = 76
CES22 = 80	CES47 = 86	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 56	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)