

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: P868948

Luminaire Tested: **EMM2-HSN-SA3B-727-U-T3**

Issue Date: 08/22/2024



Test Information

Test Method: LM-79-08
Report Number: P868948
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/22/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM2-HSN-SA3B-727-U-T3
Description: EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 150W 70CRI 2700K
FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (30) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

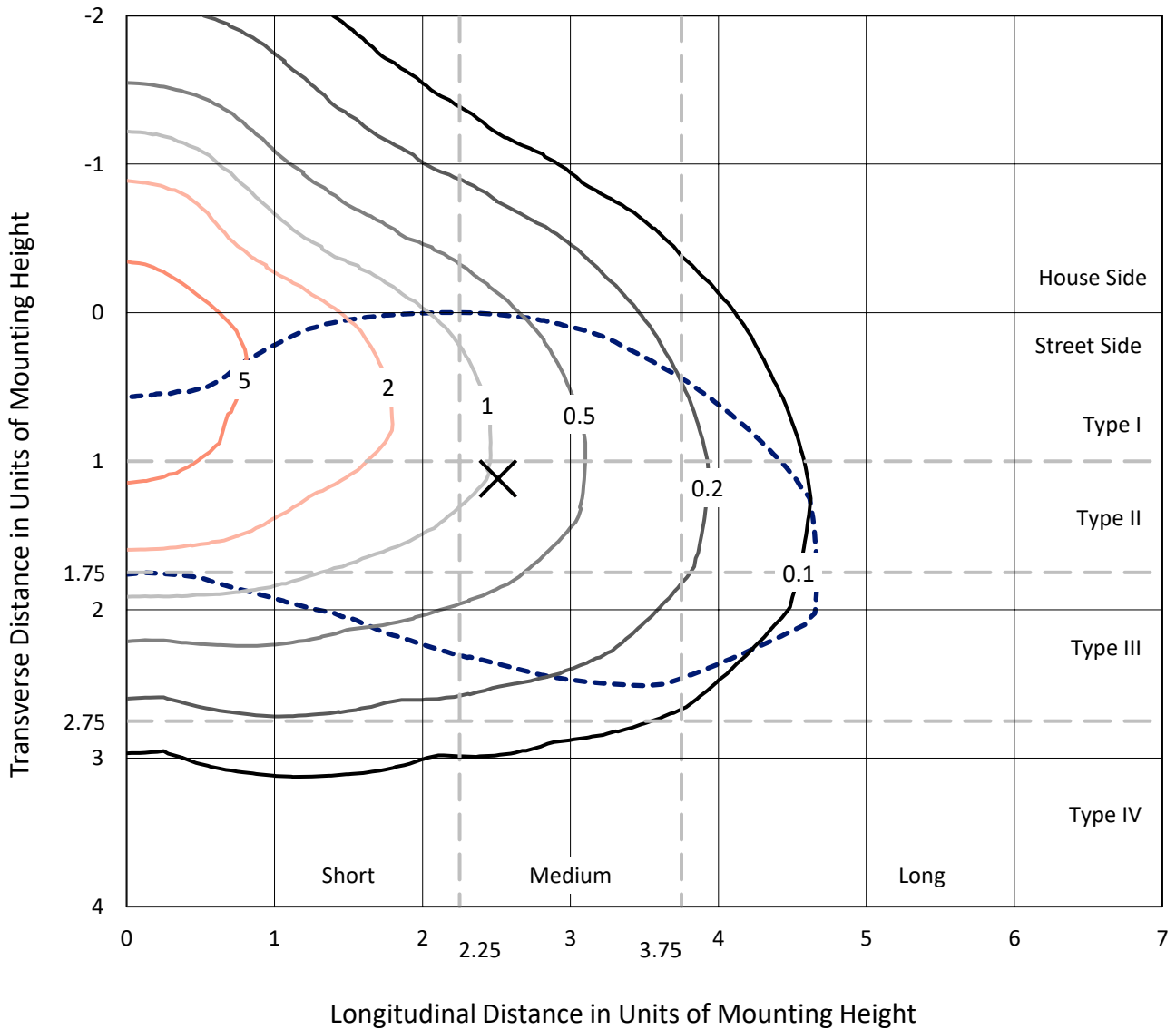
Lumens per Lamp: N/A
Luminaire Lumens: 17668.6 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 134
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.70%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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 CATALOG NUMBER: EMM2-HSN-SA3B-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

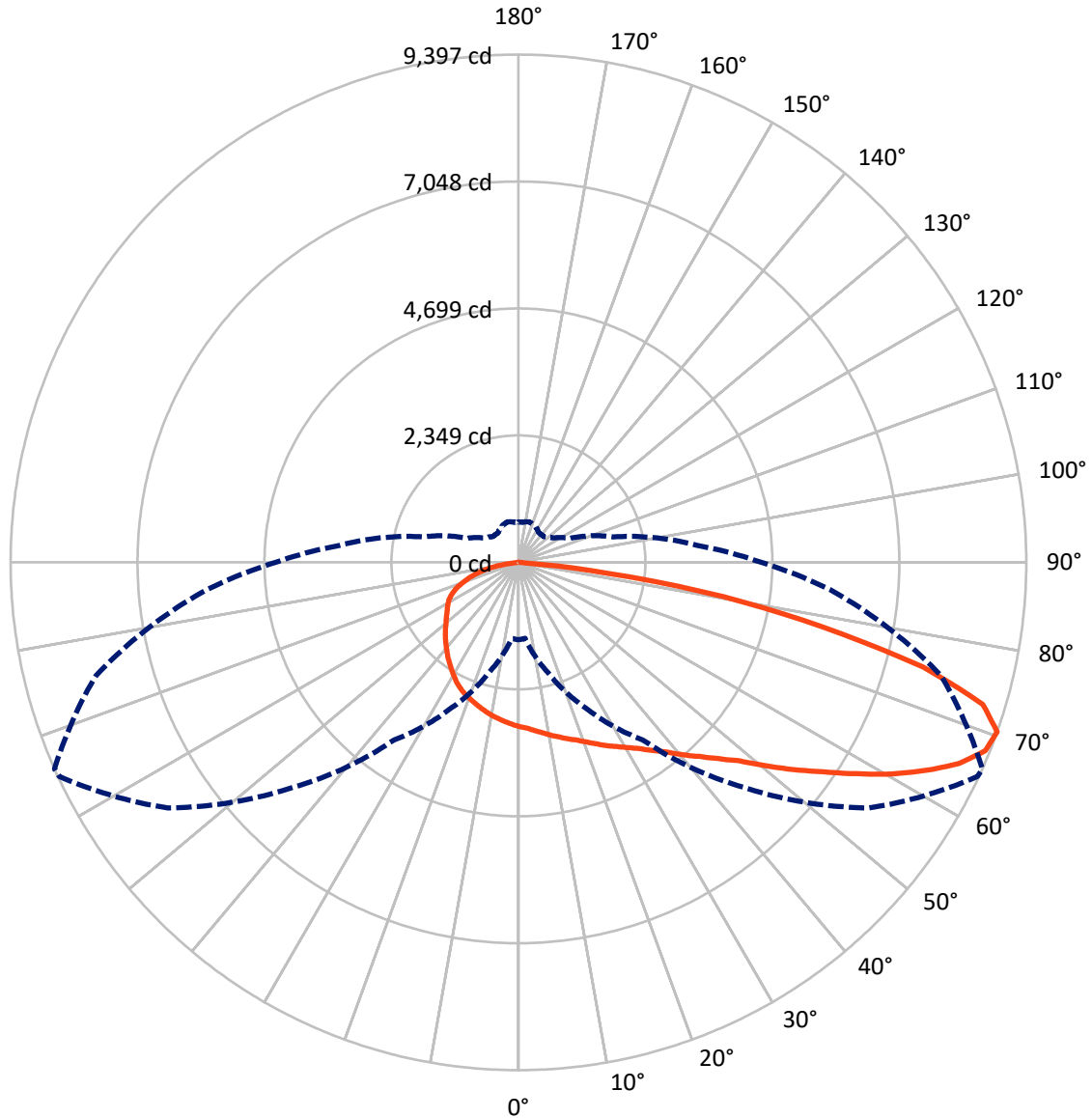
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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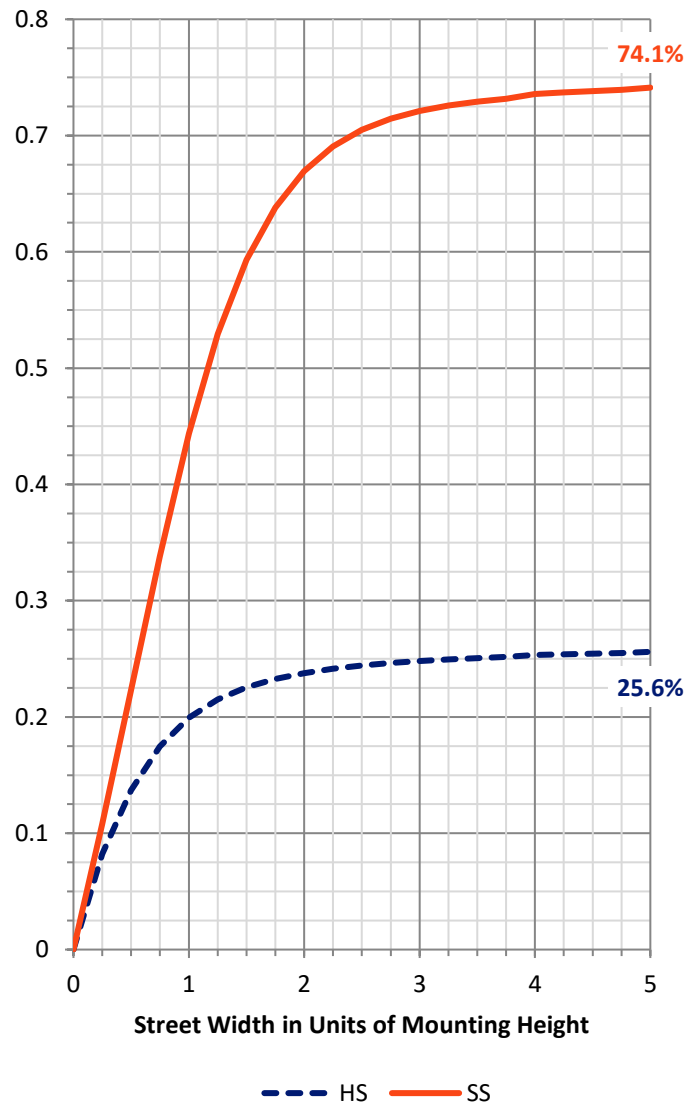
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4553.3	0.0	4553.3
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	13115.3	0.0	13115.3
	% Fixture	74.2	0.0	74.2
Total	Lumens	17668.6	0.0	17668.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	1.6
10°-20°	866.5	4.9
20°-30°	1455.5	8.2
30°-40°	2192.8	12.4
40°-50°	2977.0	16.8
50°-60°	3537.6	20.0
60°-70°	3610.3	20.4
70°-80°	2414.8	13.7
80°-90°	323.1	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°	17668.6	100.0
0°-180°	17668.6	100.0

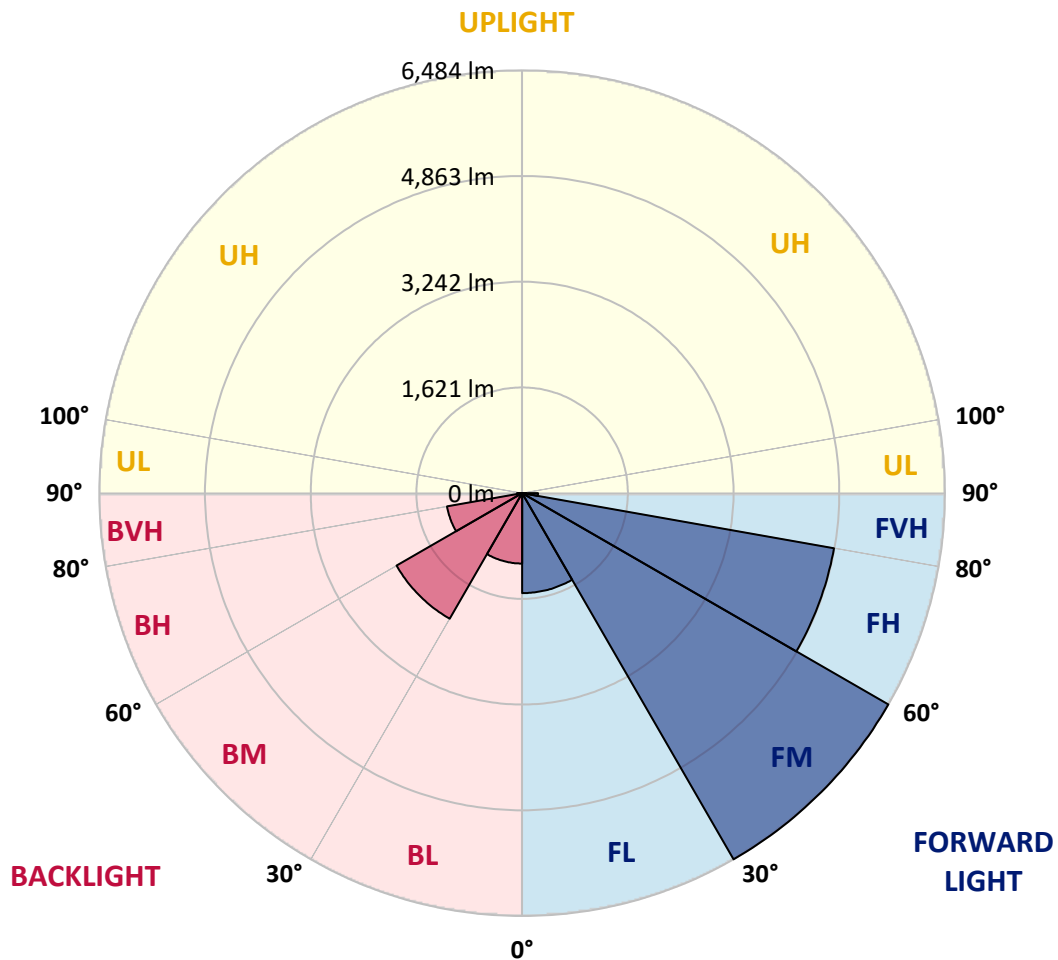


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.3	8.7			
FM (30°-60°)	6484.0	36.7			
FH (60°-80°)	4856.0	27.5			G2/5000
FVH (80°-90°)	242.0	1.4			G3/500
BL (0°-30°)	1079.7	6.1	B3/2500		
BM (30°-60°)	2223.4	12.6	B2/2500		
BH (60°-80°)	1169.2	6.6	B3/2500		G3/2500
BVH (80°-90°)	81.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0
2.5°	3148.8	3134.8	3124.2	3131.2	3110.2	3117.2	3092.6	3075.1	3071.6	3064.5	3057.5
5°	3247.1	3247.1	3229.5	3229.5	3205.0	3201.5	3166.3	3127.7	3127.7	3103.2	3075.1
7.5°	3352.4	3345.4	3324.3	3320.8	3292.7	3285.7	3247.1	3187.4	3183.9	3138.3	3096.1
10°	3426.1	3429.6	3415.6	3415.6	3394.5	3377.0	3320.8	3257.6	3250.6	3190.9	3124.2
12.5°	3482.3	3489.3	3485.8	3485.8	3468.2	3468.2	3405.1	3320.8	3313.8	3236.6	3141.8
15°	3542.0	3538.4	3549.0	3552.5	3545.5	3534.9	3489.3	3391.0	3387.5	3285.7	3166.3
17.5°	3594.6	3591.1	3594.6	3612.2	3615.7	3615.7	3570.0	3468.2	3454.2	3345.4	3187.4
20°	3626.2	3633.2	3647.3	3668.3	3678.9	3706.9	3668.3	3559.5	3545.5	3408.6	3233.0
22.5°	3745.6	3724.5	3735.0	3749.1	3763.1	3801.7	3766.6	3654.3	3643.8	3503.3	3285.7
25°	3949.2	3949.2	3924.6	3900.0	3882.5	3900.0	3871.9	3763.1	3756.1	3587.6	3345.4
27.5°	4303.7	4303.7	4251.1	4159.8	4043.9	4012.3	3991.3	3879.0	3857.9	3678.9	3384.0
30°	4753.0	4767.1	4672.3	4517.8	4303.7	4163.3	4110.6	3987.8	3977.2	3770.1	3443.7
32.5°	5234.0	5262.0	5191.8	4967.2	4616.1	4342.3	4258.1	4131.7	4107.1	3879.0	3520.9
35°	5665.7	5693.8	5599.0	5388.4	4939.1	4602.1	4433.6	4289.7	4275.6	4019.4	3636.7
37.5°	6016.8	6023.8	5964.1	5707.9	5209.4	4819.7	4651.2	4479.2	4451.1	4187.9	3759.6
40°	6388.9	6416.9	6357.3	6041.3	5455.1	5054.9	4868.9	4707.4	4682.8	4363.4	3875.4
42.5°	6778.5	6775.0	6775.0	6329.2	5700.8	5251.5	5104.1	4925.0	4911.0	4542.4	4001.8
45°	7017.2	7031.3	6992.6	6501.2	6062.4	5455.1	5332.2	5202.4	5177.8	4791.6	4166.8
47.5°	7076.9	7045.3	6869.8	6634.6	6469.6	5665.7	5620.1	5542.9	5486.7	5065.5	4370.4
50°	6996.2	6947.0	6845.2	6694.3	6620.5	5918.5	5911.5	5950.1	5911.5	5398.9	4605.6
52.5°	6694.3	6687.2	6669.7	6704.8	6585.4	6118.6	6241.4	6374.8	6367.8	5739.4	4851.3
55°	6058.9	6104.5	6315.1	6536.3	6452.1	6255.5	6610.0	6866.3	6838.2	6139.6	5104.1
57.5°	5409.5	5455.1	5725.4	6252.0	6322.2	6402.9	7024.2	7424.4	7378.8	6574.9	5335.8
60°	4844.3	4795.2	5065.5	5823.7	6139.6	6536.3	7435.0	7989.6	7951.0	7010.2	5574.5
62.5°	3949.2	3998.3	4430.1	5198.9	5883.4	6620.5	7771.9	8502.1	8477.5	7410.4	5767.5
65°	3124.2	3057.5	3706.9	4542.4	5441.1	6592.5	8063.3	8983.0	8965.5	7803.5	5915.0
67.5°	2123.8	2078.1	2934.7	3889.5	4840.8	6367.8	8130.0	9306.0	9313.0	8035.2	5953.6
70°	1432.2	1411.2	2109.7	2990.8	4008.8	5883.4	7922.9	9372.7	9397.2	8094.9	5781.6
72.5°	1056.6	1053.1	1544.6	2134.3	2983.8	4967.2	7357.7	8937.4	8983.0	7673.7	5276.1
75°	832.0	842.5	1102.3	1516.5	1990.4	3675.4	6188.8	7663.1	7733.3	6627.6	4380.9
77.5°	681.0	681.0	772.3	1088.2	1330.4	2281.7	4451.1	5609.6	5750.0	5114.6	3373.5
80°	551.1	561.7	572.2	758.2	881.1	1302.3	2590.6	3742.0	3843.8	3563.0	2436.2
82.5°	301.9	323.0	312.4	393.2	442.3	603.8	1028.5	1513.0	1667.4	1484.9	1105.8
85°	21.1	14.0	24.6	31.6	38.6	59.7	80.7	112.3	105.3	150.9	77.2
87.5°	3.5	3.5	3.5	7.0	7.0	10.5	14.0	14.0	14.0	14.0	14.0
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°	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0	3040.0
2.5°	3054.0	3036.5	3008.4	3001.4	2990.8	2976.8	2962.7	2941.7	2934.7	2941.7	2948.7
5°	3057.5	3033.0	2987.3	2959.2	2931.2	2906.6	2878.5	2850.4	2832.9	2836.4	2850.4
7.5°	3068.1	3033.0	2962.7	2917.1	2871.5	2832.9	2787.2	2755.6	2734.6	2738.1	2748.6
10°	3082.1	3033.0	2948.7	2871.5	2808.3	2752.1	2706.5	2667.9	2646.8	2643.3	2646.8
12.5°	3085.6	3029.4	2917.1	2822.3	2745.1	2671.4	2622.2	2587.1	2566.1	2555.5	2562.6
15°	3096.1	3018.9	2885.5	2769.7	2674.9	2597.7	2538.0	2495.9	2481.8	2474.8	2471.3
17.5°	3110.2	3015.4	2857.4	2717.0	2604.7	2516.9	2464.3	2422.2	2404.6	2397.6	2404.6
20°	3131.2	3018.9	2825.8	2664.4	2541.5	2453.7	2394.1	2351.9	2337.9	2334.4	2330.9
22.5°	3159.3	3025.9	2801.3	2615.2	2471.3	2383.5	2323.9	2295.8	2285.2	2288.8	2288.8
25°	3187.4	3033.0	2766.2	2548.5	2397.6	2306.3	2264.2	2243.1	2250.1	2264.2	2264.2
27.5°	3212.0	3029.4	2717.0	2478.3	2309.8	2225.6	2194.0	2197.5	2215.0	2239.6	2243.1
30°	3243.6	3029.4	2664.4	2390.6	2211.5	2130.8	2123.8	2151.9	2179.9	2204.5	2204.5
32.5°	3292.7	3050.5	2622.2	2302.8	2109.7	2046.5	2078.1	2116.8	2148.3	2172.9	2179.9
35°	3377.0	3096.1	2594.2	2215.0	2011.4	1965.8	2025.5	2088.7	2109.7	2127.3	2130.8
37.5°	3457.7	3138.3	2559.1	2130.8	1909.6	1892.1	1972.8	2039.5	2043.0	2053.6	2053.6
40°	3534.9	3169.9	2513.4	2039.5	1811.3	1811.3	1906.1	1962.3	1955.3	1944.7	1948.3
42.5°	3619.2	3187.4	2460.8	1955.3	1730.6	1730.6	1807.8	1857.0	1853.5	1867.5	1878.0
45°	3721.0	3222.5	2390.6	1878.0	1646.4	1632.3	1695.5	1737.6	1790.3	1853.5	1871.0
47.5°	3861.4	3271.7	2334.4	1793.8	1576.2	1527.0	1551.6	1639.3	1699.0	1751.7	1758.7
50°	4008.8	3341.9	2285.2	1706.0	1491.9	1404.1	1425.2	1523.5	1558.6	1579.7	1590.2
52.5°	4166.8	3398.0	2243.1	1632.3	1404.1	1277.8	1305.9	1400.6	1425.2	1442.8	1446.3
55°	4303.7	3443.7	2190.5	1562.1	1309.4	1158.4	1193.5	1284.8	1309.4	1330.4	1330.4
57.5°	4447.6	3485.8	2155.4	1502.4	1207.6	1060.1	1084.7	1176.0	1211.1	1218.1	1228.6
60°	4567.0	3524.4	2123.8	1446.3	1112.8	972.4	989.9	1070.7	1112.8	1116.3	1123.3
62.5°	4651.2	3549.0	2106.2	1376.1	1018.0	884.6	898.7	979.4	1028.5	1039.1	1042.6
65°	4703.9	3563.0	2074.6	1284.8	937.3	810.9	810.9	891.6	940.8	965.4	972.4
67.5°	4679.3	3538.4	1990.4	1179.5	863.5	737.2	733.7	814.4	856.5	870.6	874.1
70°	4489.8	3394.5	1818.4	1049.6	786.3	670.5	663.5	737.2	775.8	744.2	747.7
72.5°	4103.6	3068.1	1583.2	919.7	705.6	607.3	600.3	663.5	667.0	667.0	663.5
75°	3457.7	2506.4	1263.7	782.8	621.3	540.6	544.1	593.3	596.8	614.3	603.8
77.5°	2650.3	1857.0	986.4	624.8	526.6	480.9	498.5	516.0	540.6	565.2	540.6
80°	1927.2	1281.3	684.5	466.9	407.2	407.2	414.2	431.8	466.9	491.5	466.9
82.5°	824.9	565.2	315.9	231.7	200.1	196.6	200.1	200.1	245.7	252.7	221.2
85°	63.2	52.7	38.6	38.6	31.6	17.6	17.6	14.0	10.5	10.5	10.5
87.5°	14.0	10.5	10.5	10.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0
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
 R_f: 75.5
 R_g: 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

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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 inside the ANSI 2700K 4-step quadrangle

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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	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 [^] /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	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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR M/P: 2.04

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	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

$R_f = 75.5$
 $R_g = 93.6$
 $CIE R_a = 71.7$
 $R_9 = -35.3$

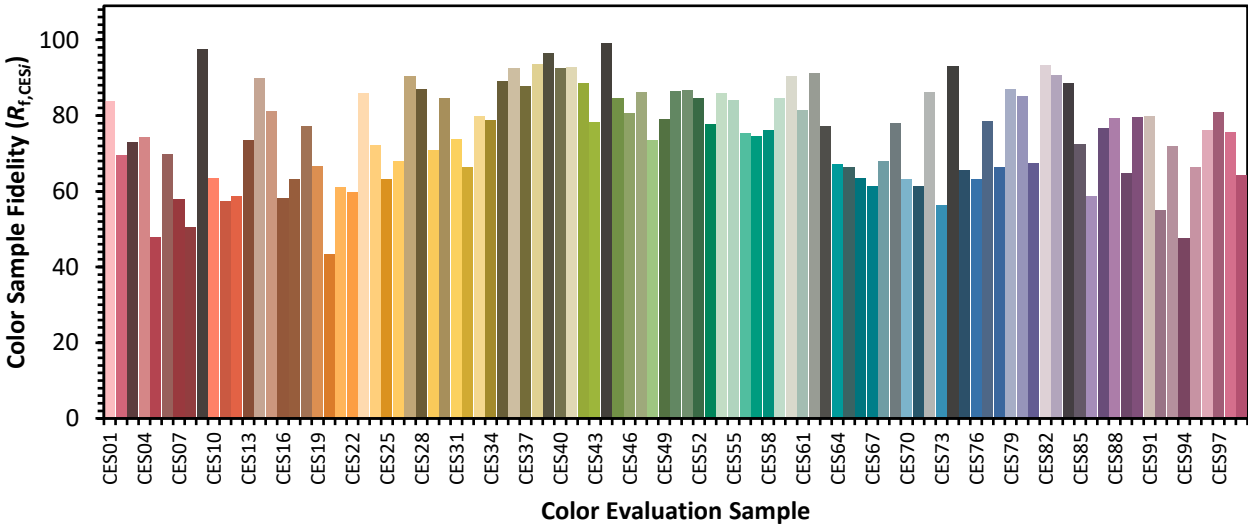


Color Vector Graphics



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)