

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: LUMARK

Report Number: P1067040

Luminaire Tested: **NAV-SA3D-750-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067040
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3D-750-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 3xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19075 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 160.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

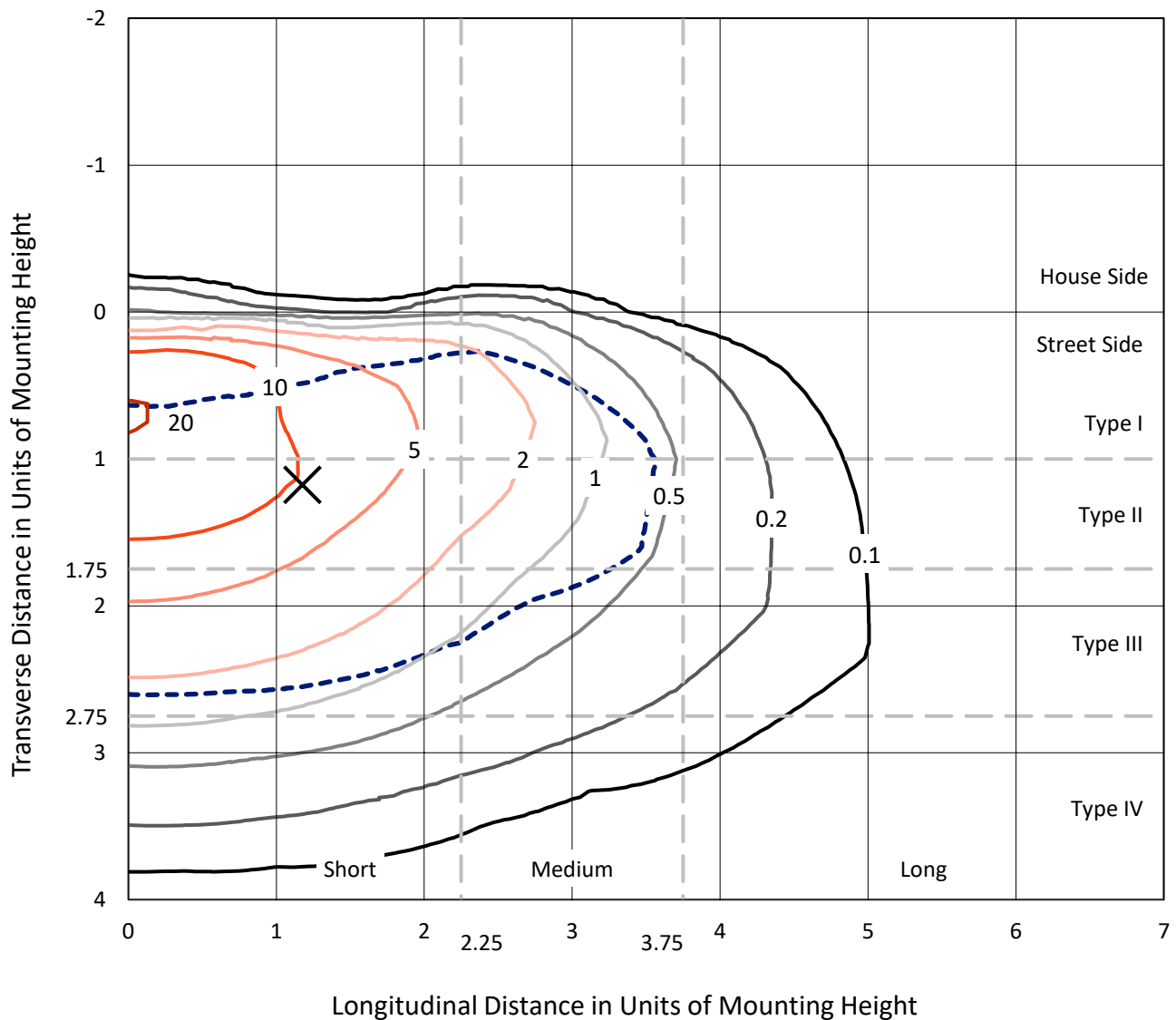


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

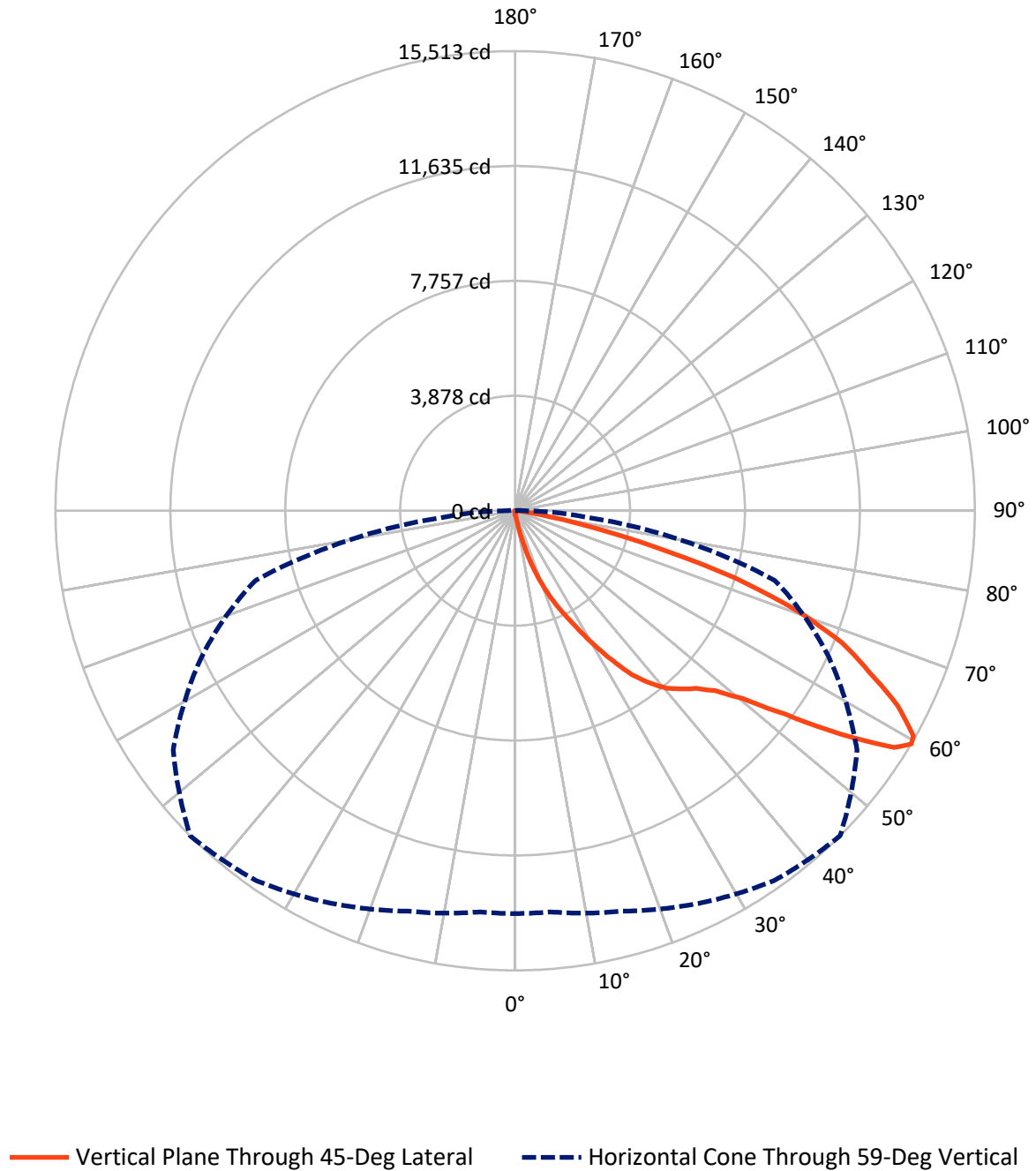


Based on 15 foot mounting height. Maximum calculated value = 20.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: NAV-SA3D-750-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.7	0.0	67.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19007.3	0.0	19007.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	19075.0	0.0	19075.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.1
10°-20°	210.8	1.1
20°-30°	757.6	4.0
30°-40°	1760.3	9.2
40°-50°	3000.4	15.7
50°-60°	4943.9	25.9
60°-70°	5716.2	30.0
70°-80°	2455.9	12.9
80°-90°	212.2	1.1
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°	19075.0	100.0
0°-180°	19075.0	100.0



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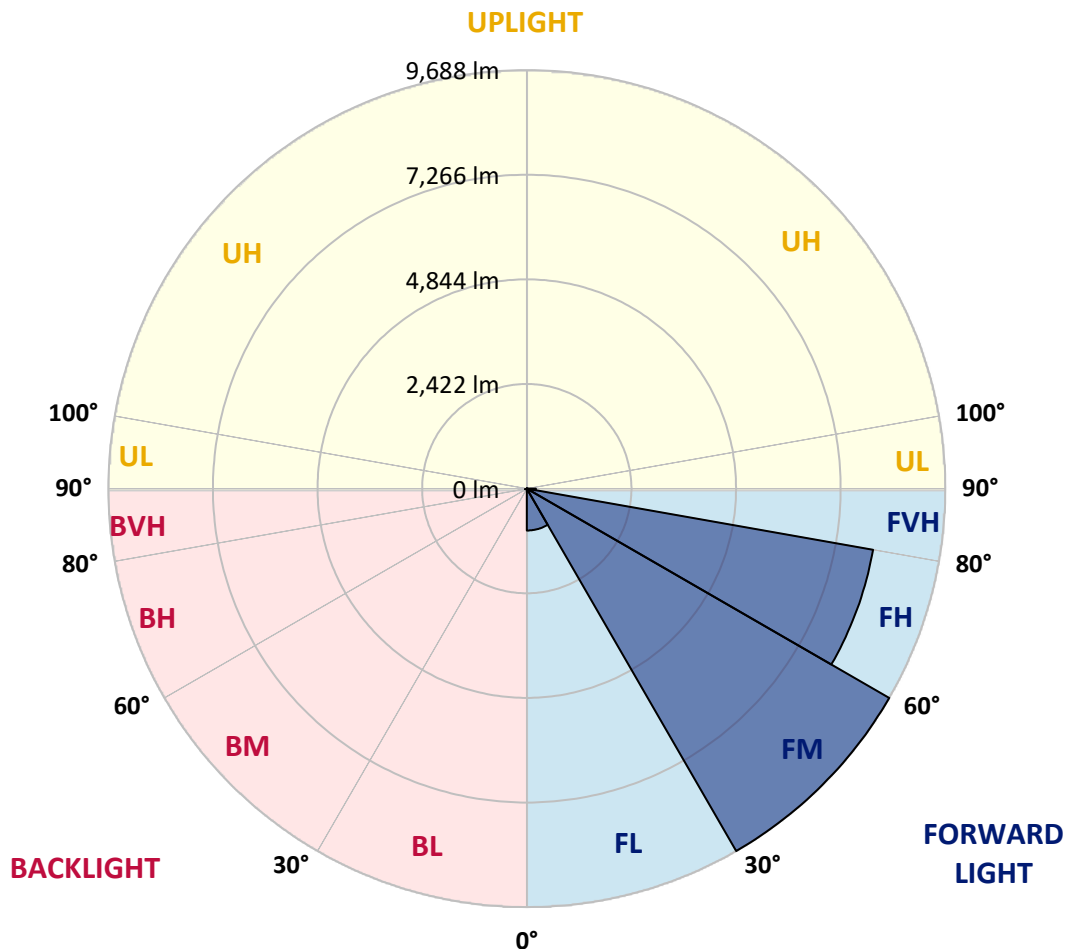
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	969.4	5.1			
FM	(30°-60°)	9688.2	50.8			
FH	(60°-80°)	8140.2	42.7			G4/12000
FVH	(80°-90°)	209.5	1.1			G2/225
BL	(0°-30°)	16.7	0.1	B0/110		
BM	(30°-60°)	16.4	0.1	B0/220		
BH	(60°-80°)	31.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type III Short



REPORT NUMBER: P1067040

CATALOG NUMBER: NAV-SA3D-750-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	156.5	156.5	152.6	147.5	146.2	142.4	142.4	138.5	133.4	129.5	124.4
5°	227.0	225.7	215.5	202.7	186.0	175.7	175.7	161.6	148.8	137.2	127.0
7.5°	496.4	484.8	447.6	386.1	305.3	251.4	247.5	201.4	170.6	147.5	128.3
10°	1139.0	1099.2	1046.6	899.1	664.4	464.3	455.3	293.7	203.9	159.0	130.8
12.5°	1866.2	1898.3	1793.1	1560.9	1286.5	956.8	892.7	495.1	269.3	174.4	133.4
15°	2528.0	2520.3	2461.3	2271.5	1954.7	1516.0	1476.3	860.6	386.1	198.8	136.0
17.5°	3023.1	3014.1	2957.7	2835.9	2592.2	2153.5	2118.9	1372.4	605.4	233.4	138.5
20°	3545.1	3533.6	3454.1	3356.6	3143.7	2770.4	2729.4	1944.4	947.8	289.9	138.5
22.5°	4171.1	4149.2	4064.6	3899.1	3674.7	3350.2	3313.0	2529.3	1372.4	382.2	144.9
25°	4927.8	4890.6	4773.9	4625.1	4354.5	3923.5	3883.7	3180.9	1884.2	522.0	151.3
27.5°	5791.0	5797.4	5639.6	5388.3	5025.3	4585.3	4510.9	3764.5	2413.9	722.1	159.0
30°	6815.8	6751.7	6529.8	6237.3	5884.6	5324.1	5252.3	4345.5	3009.0	1017.1	171.9
32.5°	7775.2	7705.9	7407.1	7039.0	6660.6	6069.3	6010.3	4998.3	3550.3	1366.0	195.0
35°	8598.6	8549.9	8131.8	7682.8	7346.8	6818.4	6800.4	5726.9	4186.4	1741.8	220.6
37.5°	9323.3	9234.8	8697.4	8231.8	7890.6	7417.3	7378.9	6393.8	4799.5	2177.9	259.1
40°	9941.5	9892.8	9237.4	8625.6	8348.5	7925.3	7876.5	6978.7	5433.1	2684.5	306.5
42.5°	10603.4	10539.2	9903.0	9216.8	8706.4	8253.6	8221.5	7461.0	5997.5	3241.2	377.1
45°	11351.1	11231.8	10673.9	10058.2	9282.3	8593.5	8557.6	7890.6	6575.9	3838.9	463.0
47.5°	12150.2	12046.3	11594.8	11162.6	10269.9	9154.0	9077.0	8256.2	7150.6	4528.9	572.0
50°	12963.4	12965.9	12627.3	12419.5	11476.8	10064.7	9955.6	8793.6	7754.7	5267.7	733.7
52.5°	13909.9	13934.3	13929.2	13775.2	13044.2	11553.8	11407.5	9609.3	8456.3	6129.6	956.8
55°	14306.2	14349.9	14633.3	14974.5	14775.7	13441.8	13285.3	11016.4	9386.2	7090.3	1287.7
57.5°	13981.7	14030.5	14421.7	15019.4	15476.0	15095.1	15077.1	12847.9	10611.0	8254.9	1829.0
59°	13595.7	13589.3	13990.7	14624.3	15240.0	15487.5	15513.2	14086.9	11678.2	9071.9	2295.9
60°	13339.2	13344.3	13611.1	14261.4	14915.5	15345.2	15445.2	14816.7	12301.5	9659.3	2696.0
62.5°	12349.0	12408.0	12619.6	13223.7	13844.5	14324.2	14494.8	15467.0	14085.6	11047.1	4087.7
65°	11272.9	11276.7	11578.1	12095.0	12690.2	13027.5	13135.2	14455.0	15277.2	12460.6	5912.8
67.5°	9352.8	9431.0	9773.5	10611.0	11397.3	11824.4	11906.5	12582.4	14783.4	13381.5	6827.3
70°	6545.2	6647.8	7136.5	8222.8	9393.8	10095.4	10090.3	10459.7	13010.8	12971.1	5788.4
72.5°	3268.1	3445.1	3844.0	5007.3	6425.9	7527.6	7759.8	8413.9	10452.0	10773.9	4318.6
75°	1444.2	1454.5	1681.5	2267.7	3193.7	4593.0	4800.8	6678.6	8018.9	7487.9	3119.3
77.5°	840.1	847.8	888.8	1018.4	1294.2	2251.0	2484.4	4380.1	5666.6	4351.9	2034.2
80°	305.3	313.0	311.7	386.1	566.9	886.3	987.6	2122.7	3779.9	2292.0	1065.9
82.5°	187.3	187.3	180.8	182.1	206.5	339.9	372.0	904.2	1840.5	1128.7	305.3
85°	92.3	97.5	103.9	116.7	138.5	168.0	178.3	259.1	619.5	273.2	73.1
87.5°	55.2	56.4	61.6	74.4	92.3	120.6	128.3	175.7	221.9	183.4	18.0
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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CATALOG NUMBER: NAV-SA3D-750-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	121.8	120.6	114.2	109.0	103.9	98.8	94.9	91.1	91.1	92.3	91.1
5°	121.8	116.7	106.5	97.5	89.8	83.4	77.0	71.8	70.5	70.5	71.8
7.5°	120.6	114.2	100.0	88.5	78.2	69.3	62.8	56.4	55.2	56.4	55.2
10°	119.3	111.6	94.9	80.8	66.7	57.7	48.7	42.3	42.3	42.3	43.6
12.5°	119.3	107.7	89.8	73.1	57.7	47.5	38.5	32.1	30.8	30.8	30.8
15°	118.0	105.2	84.7	64.1	48.7	35.9	28.2	21.8	21.8	21.8	21.8
17.5°	115.4	101.3	78.2	56.4	38.5	26.9	19.2	12.8	12.8	15.4	15.4
20°	112.9	97.5	70.5	46.2	32.1	20.5	12.8	7.7	7.7	11.5	12.8
22.5°	114.2	97.5	65.4	41.0	25.7	15.4	10.3	6.4	5.1	9.0	11.5
25°	115.4	94.9	59.0	35.9	19.2	11.5	7.7	2.6	1.3	2.6	3.8
27.5°	115.4	92.3	51.3	28.2	14.1	9.0	3.8	0.0	0.0	0.0	0.0
30°	114.2	88.5	44.9	23.1	10.3	5.1	1.3	0.0	0.0	0.0	0.0
32.5°	112.9	84.7	41.0	18.0	9.0	2.6	0.0	0.0	0.0	0.0	0.0
35°	114.2	79.5	35.9	14.1	5.1	0.0	0.0	0.0	0.0	0.0	2.6
37.5°	118.0	74.4	30.8	11.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	123.1	70.5	25.7	9.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	133.4	70.5	23.1	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	146.2	70.5	19.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	162.9	71.8	16.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	183.4	74.4	15.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	198.8	71.8	14.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	225.7	69.3	12.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	261.7	65.4	12.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	297.6	60.3	12.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	338.6	57.7	11.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	559.2	51.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1080.0	48.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1745.6	48.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1835.4	48.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1221.0	39.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	654.1	35.9	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	352.7	33.3	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	155.2	24.4	6.4	3.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	61.6	16.7	7.7	6.4	5.1	2.6	0.0	0.0	0.0	0.0	0.0
85°	29.5	12.8	10.3	9.0	6.4	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	14.1	12.8	11.5	10.3	9.0	6.4	1.3	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

McGraw-Edison

Report Number: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

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 5000K 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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.7

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

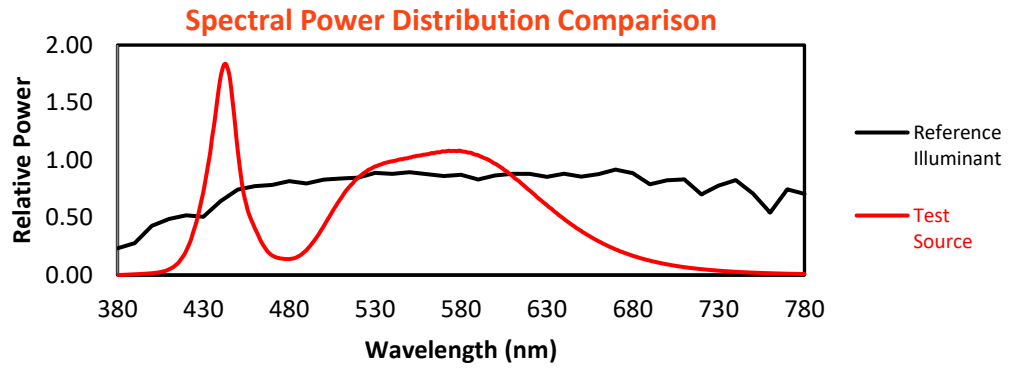
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$



Color Vector Graphics

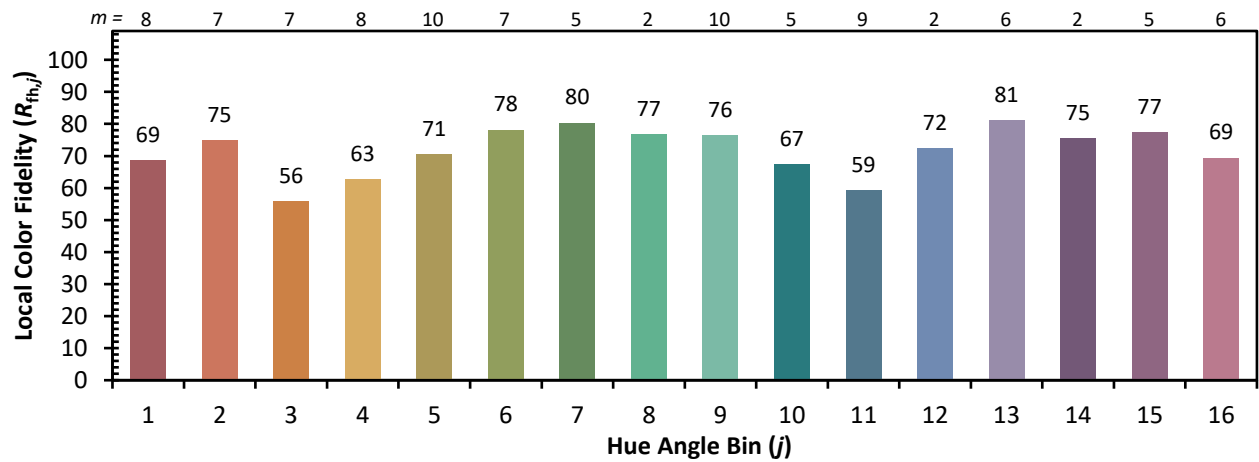
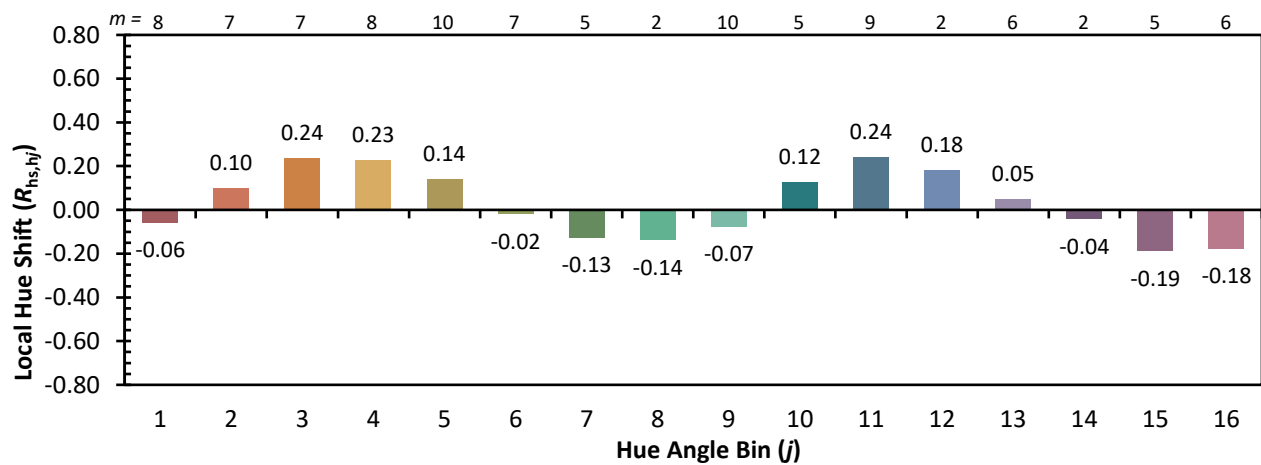
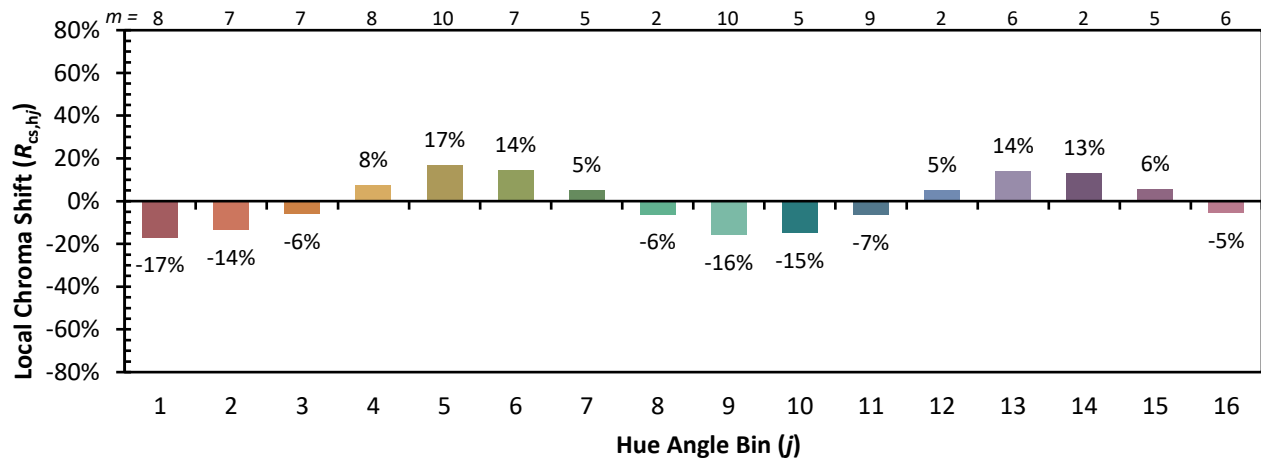


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)