

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: P1067605

Luminaire Tested: **NAV-SA1A-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067605
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3231.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

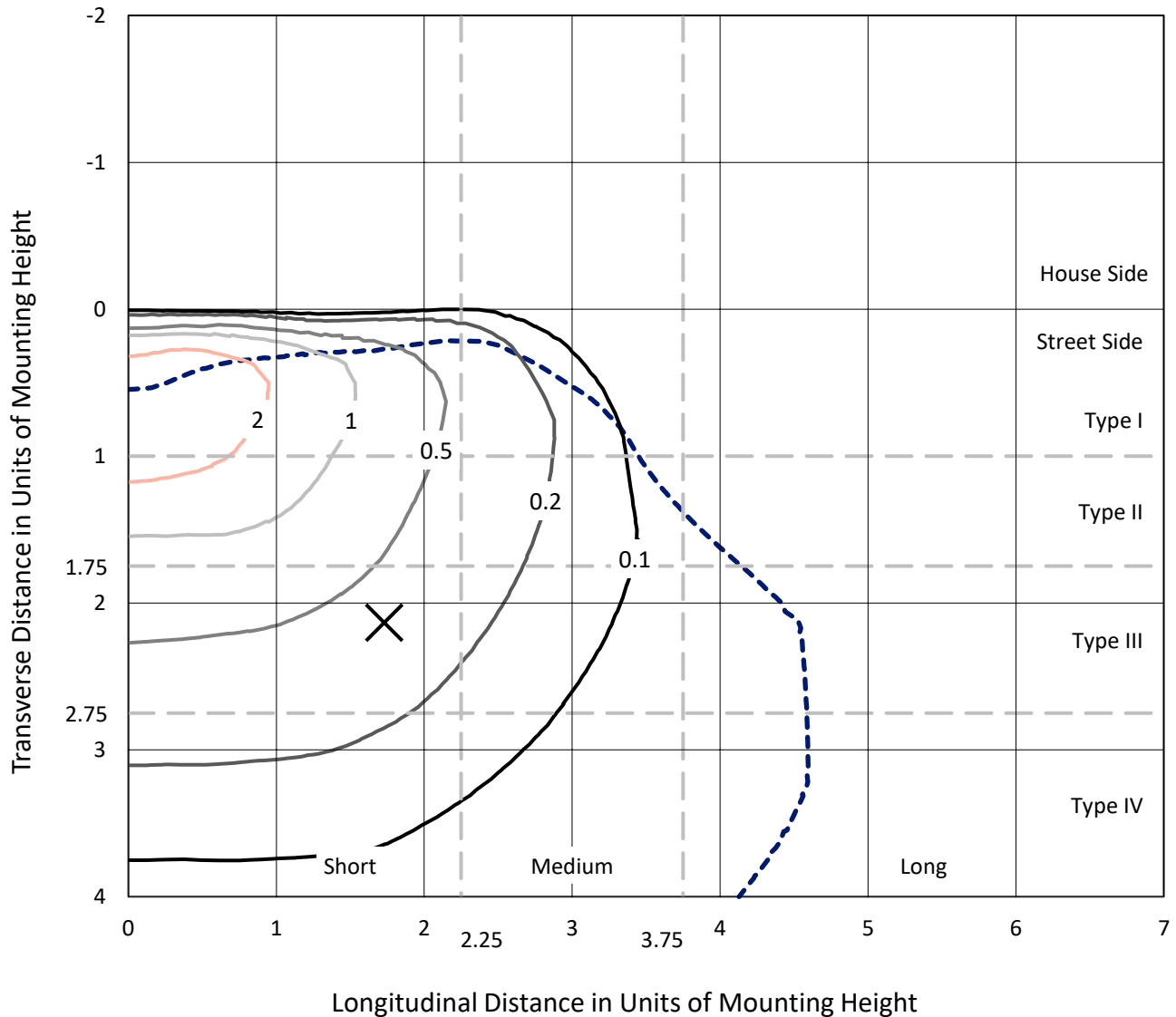


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

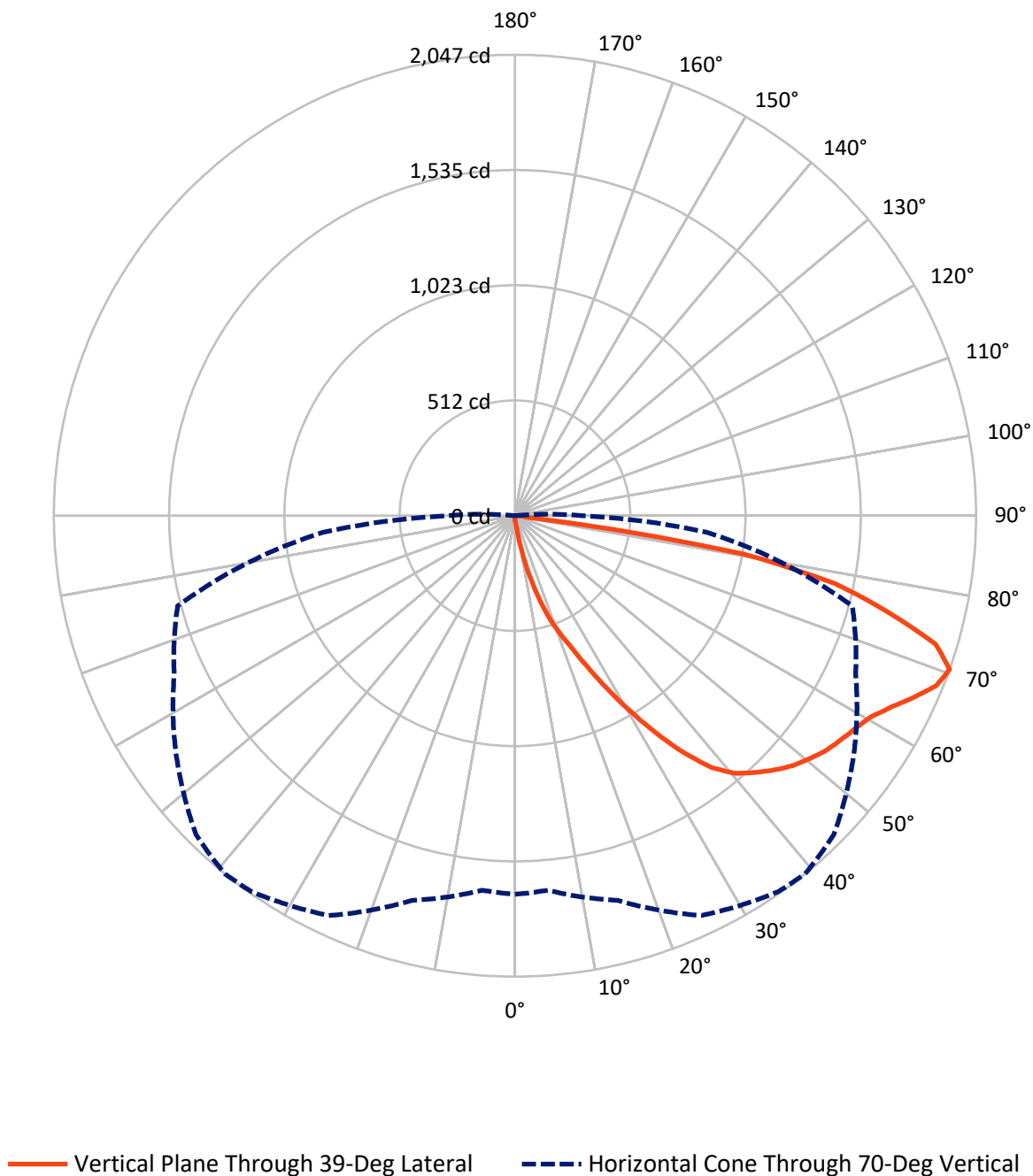


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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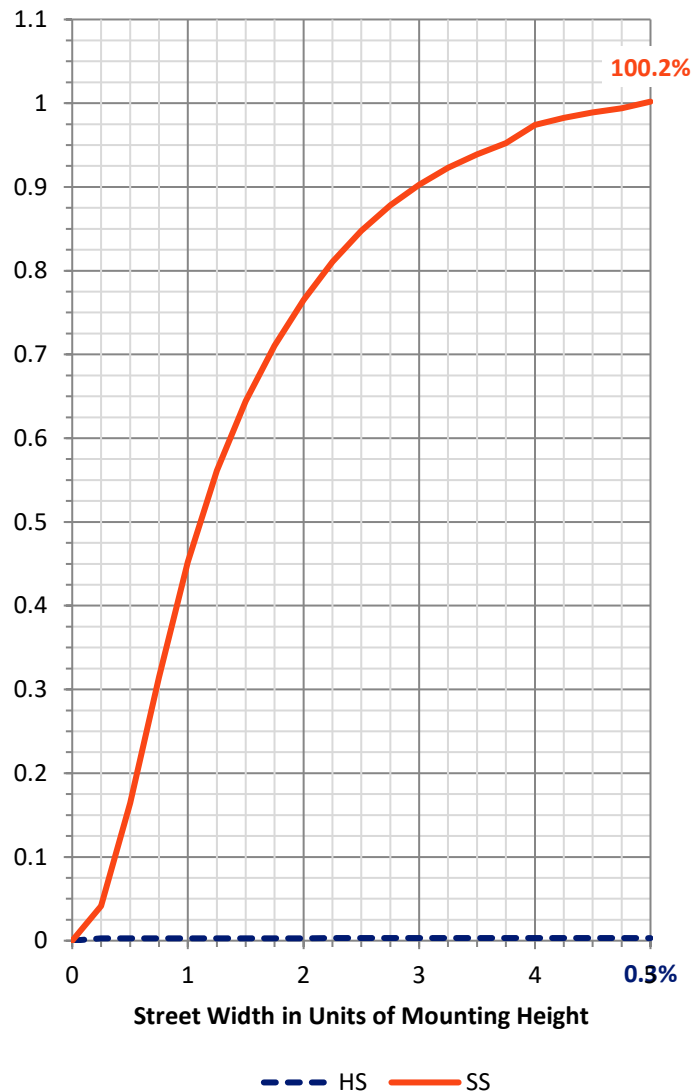
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10.0	0.0	10.0
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3221.5	0.0	3221.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	3231.5	0.0	3231.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	39.7	1.2
20°-30°	134.8	4.2
30°-40°	316.8	9.8
40°-50°	514.5	15.9
50°-60°	651.9	20.2
60°-70°	828.1	25.6
70°-80°	672.9	20.8
80°-90°	69.3	2.1
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°	3231.5	100.0
0°-180°	3231.5	100.0



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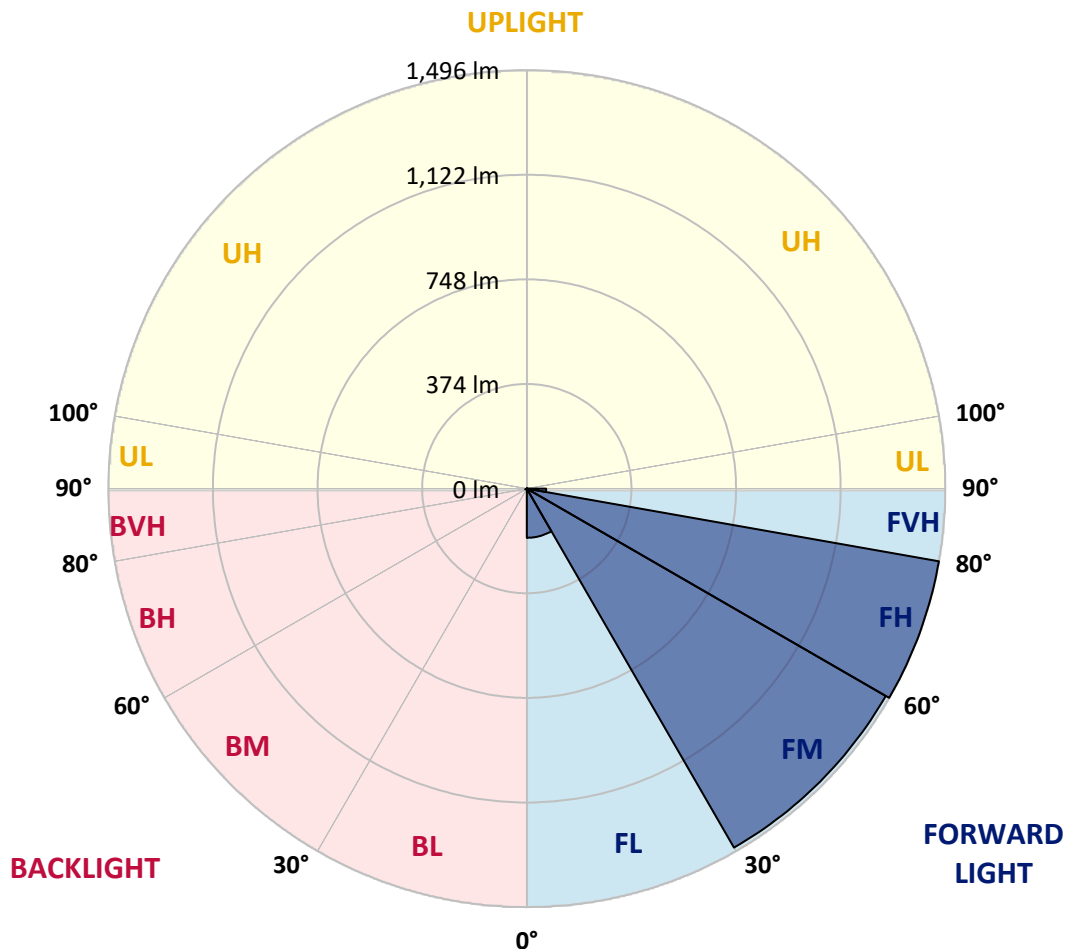
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.8	5.4			
FM	(30°-60°)	1481.3	45.8			
FH	(60°-80°)	1495.5	46.3			G1/1800
FVH	(80°-90°)	68.9	2.1			G1/100
BL	(0°-30°)	2.2	0.1	B0/110		
BM	(30°-60°)	1.9	0.1	B0/220		
BH	(60°-80°)	5.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2.5°	22.8	22.8	22.8	21.9	21.9	21.1	21.1	20.2	19.3	19.3	18.4
5°	43.0	43.9	41.2	36.0	32.5	30.7	29.0	24.6	21.9	20.2	18.4
7.5°	117.6	114.1	108.8	91.2	70.2	59.7	50.9	36.0	26.3	21.1	18.4
10°	247.4	237.8	222.8	199.2	157.9	141.3	109.7	65.8	36.8	23.7	18.4
12.5°	363.2	365.0	346.5	323.7	273.7	245.7	202.7	123.7	57.9	28.1	18.4
15°	451.0	449.2	442.2	423.8	379.0	351.8	313.2	207.9	97.4	35.1	19.3
17.5°	520.3	513.2	510.6	502.7	473.8	458.8	416.7	306.2	154.4	47.4	20.2
20°	589.6	587.8	585.2	576.4	557.1	546.6	514.1	405.3	229.9	67.6	21.9
22.5°	690.5	680.8	682.6	663.3	647.5	629.1	602.7	510.6	316.7	96.5	24.6
25°	808.9	808.0	794.0	785.2	758.9	738.7	703.6	612.4	413.2	139.5	27.2
27.5°	948.4	938.8	932.6	917.7	890.5	867.7	819.4	713.3	517.6	187.8	30.7
30°	1094.0	1094.0	1082.6	1059.8	1033.5	1005.4	956.3	819.4	621.2	249.2	35.1
32.5°	1264.2	1267.8	1239.7	1205.5	1171.2	1151.9	1087.9	939.6	720.3	319.4	40.4
35°	1429.2	1424.8	1378.3	1340.6	1315.1	1294.1	1239.7	1071.2	832.6	400.9	47.4
37.5°	1587.1	1575.7	1498.5	1445.0	1433.6	1419.5	1365.1	1202.8	944.0	491.3	56.1
40°	1700.3	1682.7	1602.9	1529.2	1512.5	1504.6	1462.5	1322.2	1061.6	592.2	67.6
42.5°	1749.4	1729.2	1674.0	1614.3	1577.5	1559.0	1522.2	1419.5	1179.1	704.5	84.2
45°	1759.1	1743.3	1703.8	1689.8	1639.7	1611.7	1561.7	1488.8	1288.8	815.9	107.0
47.5°	1724.0	1717.0	1693.3	1723.1	1697.7	1659.0	1598.5	1540.6	1386.2	951.0	138.6
50°	1638.0	1632.7	1644.1	1722.2	1739.8	1695.9	1638.9	1581.0	1470.4	1090.5	183.4
52.5°	1522.2	1521.3	1574.8	1699.4	1758.2	1731.0	1678.3	1621.3	1537.1	1225.6	246.5
55°	1395.8	1410.8	1504.6	1678.3	1768.7	1756.4	1717.0	1657.3	1596.8	1351.1	348.3
57.5°	1385.3	1379.2	1469.5	1669.6	1774.9	1781.9	1755.6	1695.0	1647.6	1453.8	484.3
60°	1490.6	1476.6	1510.8	1688.0	1802.1	1814.3	1794.2	1724.0	1698.5	1534.5	663.3
62.5°	1612.5	1599.4	1616.9	1759.1	1855.6	1873.1	1847.7	1753.8	1739.8	1590.6	855.4
65°	1709.9	1699.4	1732.7	1865.2	1930.1	1945.1	1927.5	1809.1	1758.2	1636.2	1011.6
67.5°	1725.7	1712.6	1781.9	1936.3	2005.6	2016.1	2002.1	1862.6	1752.0	1639.7	1047.5
70°	1681.0	1669.6	1768.7	1959.1	2038.1	2046.8	2002.1	1837.1	1668.7	1550.3	856.3
72.5°	1543.2	1552.0	1680.1	1903.8	1993.3	1953.0	1858.2	1709.1	1560.8	1314.3	601.0
75°	1329.2	1338.8	1509.0	1752.0	1759.1	1709.9	1659.0	1572.2	1396.7	865.9	416.7
77.5°	944.9	910.7	1165.1	1446.7	1421.3	1452.9	1457.3	1308.1	1169.5	451.0	279.0
80°	93.0	79.0	146.5	415.0	916.8	1024.7	1066.8	1008.1	862.4	201.8	146.5
82.5°	20.2	20.2	21.9	23.7	36.8	55.3	253.6	621.2	557.1	102.6	47.4
85°	11.4	11.4	14.0	16.7	21.9	24.6	29.0	38.6	150.0	36.8	8.8
87.5°	8.8	9.7	11.4	14.0	18.4	20.2	24.6	30.7	37.7	34.2	2.6
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-SA1A-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2.5°	18.4	17.5	16.7	15.8	14.9	14.9	14.0	14.0	14.0	14.0	14.0
5°	17.5	16.7	15.8	14.0	13.2	12.3	11.4	11.4	11.4	11.4	11.4
7.5°	17.5	16.7	14.9	13.2	11.4	10.5	9.7	8.8	8.8	9.7	9.7
10°	17.5	15.8	13.2	11.4	9.7	8.8	7.9	7.0	7.0	7.0	7.0
12.5°	16.7	14.9	12.3	10.5	8.8	7.0	5.3	4.4	4.4	4.4	4.4
15°	15.8	14.0	11.4	8.8	6.1	4.4	3.5	2.6	2.6	2.6	2.6
17.5°	15.8	13.2	10.5	7.9	4.4	2.6	1.8	0.9	0.9	0.9	1.8
20°	15.8	13.2	9.7	6.1	2.6	1.8	1.8	0.9	0.0	0.9	0.9
22.5°	15.8	12.3	7.9	4.4	2.6	1.8	0.9	0.0	0.0	0.0	0.0
25°	16.7	12.3	7.0	3.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
27.5°	16.7	11.4	6.1	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	17.5	11.4	5.3	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	17.5	10.5	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	17.5	9.7	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	17.5	8.8	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	18.4	7.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	19.3	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	20.2	6.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	22.8	6.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	26.3	6.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	31.6	6.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	41.2	5.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	59.7	5.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	100.0	5.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	175.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	296.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	386.9	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	293.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	140.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	62.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	27.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	10.5	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.4	1.8	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
85°	2.6	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 Rf: 86.6
 Rg: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$



Color Vector Graphics



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

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)