

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: McGRAW-EDISON

Report Number: P1435490

Luminaire Tested: **GALN-SB7D-835-U-T4LG**

Issue Date: 03/24/202

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245763



Test Information

Test Method: LM-79-08
 Report Number: P1435490
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 03/24/202
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: McGRAW-EDISON
 Catalog Number: GALN-SB7D-835-U-T4LG
 Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 7xLight
 Square PACKAGE 80CRI 3500K FIXTURE w/ TYPE IV LOW GLARE
 Light Source: (182) 3500K CCT, 80 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

Luminaire Equipment:

<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
a	good	reflector
b	good	lens
c	good	housing
d	good	cord

Summary

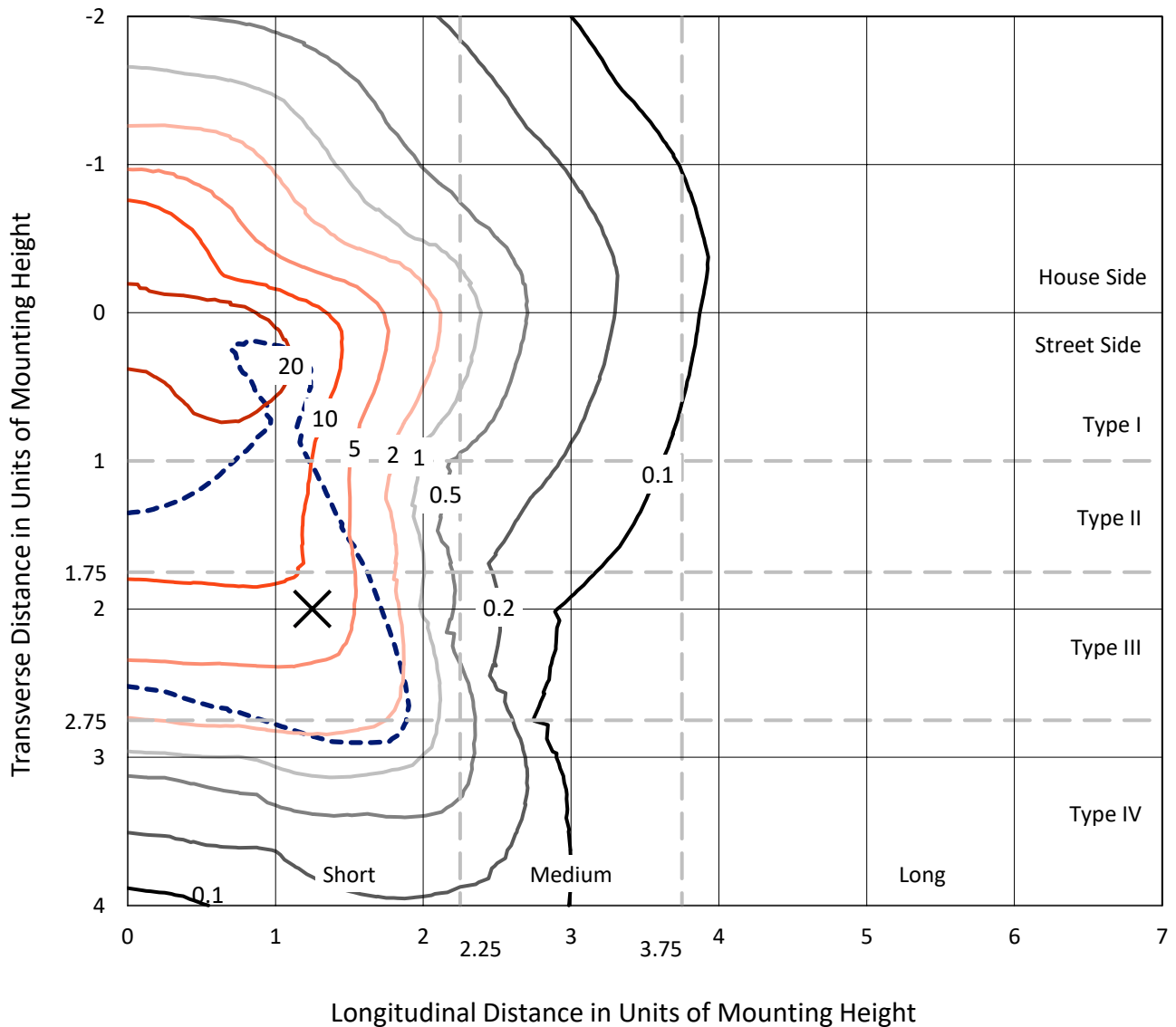
Lumens per Lamp: N/A
 Luminaire Lumens: 65713.9 lumens
 Efficiency: N/A
 Efficacy: 128.1 lumens/watt
 Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
 IES Classification: Type IV - Short
 BUG Rating: B4 - U0 - G5

Input Watts (W): 512.8
 Input Voltage (V): 120
 Input Current (A_{in}): 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

REPORT NUMBER: P1435490
 CATALOG NUMBER: GALN-SB7D-835-U-T4LG

Iso-Footcandle Lines of Horizontal Illumination

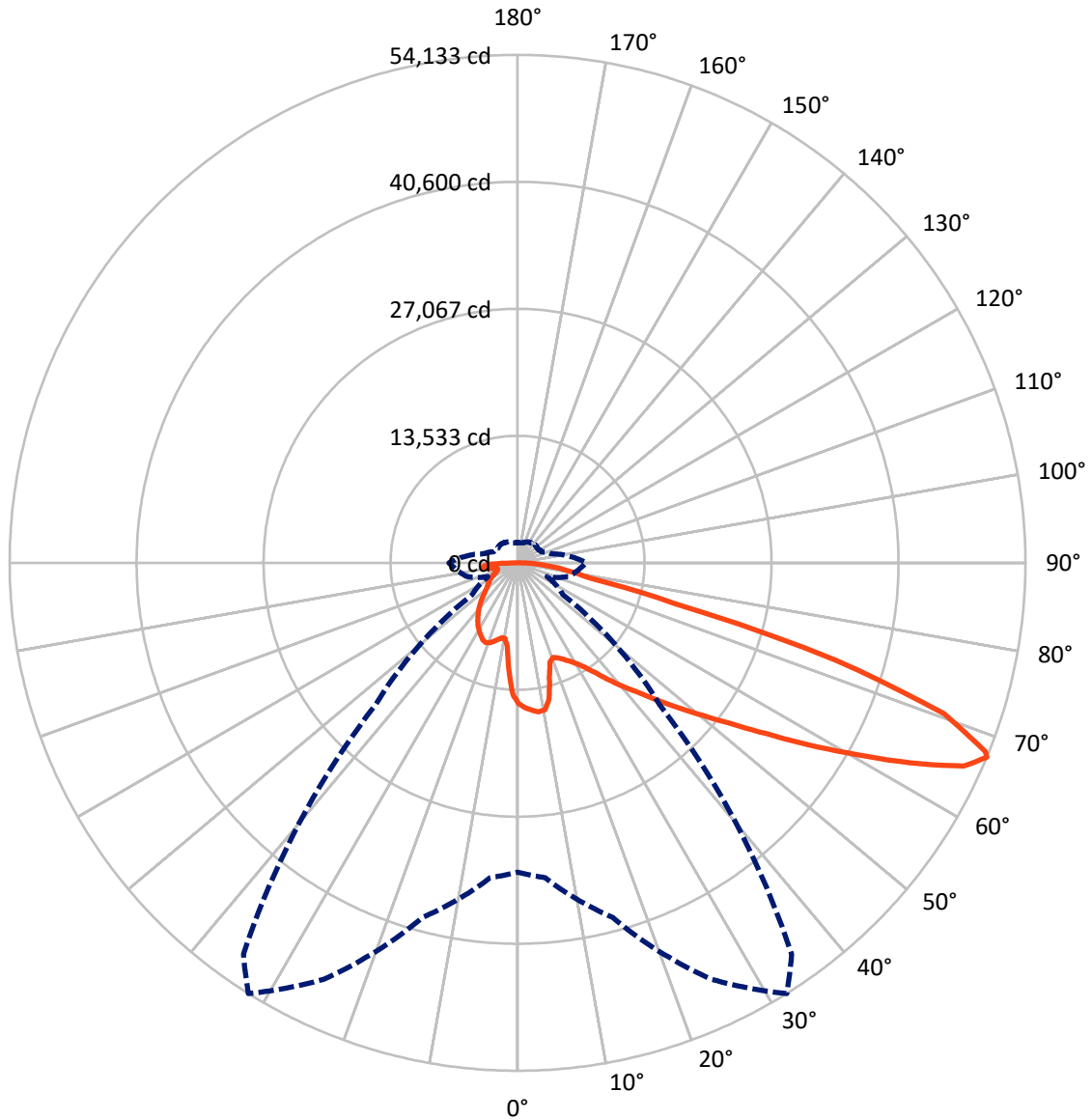
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 40.6 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SB7D-835-U-T4LG

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15557.5	0.0	15557.5
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	50156.4	0.0	50156.4
	% Fixture	76.3	0.0	76.3
Total	Lumens	65713.9	0.0	65713.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1311.9	2.0
10°-20°	3483.1	5.3
20°-30°	5688.2	8.7
30°-40°	8383.8	12.8
40°-50°	11561.7	17.6
50°-60°	14606.0	22.2
60°-70°	14136.0	21.5
70°-80°	5045.0	7.7
80°-90°	1498.2	2.3
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°	65713.9	100.0
0°-180°	65713.9	100.0

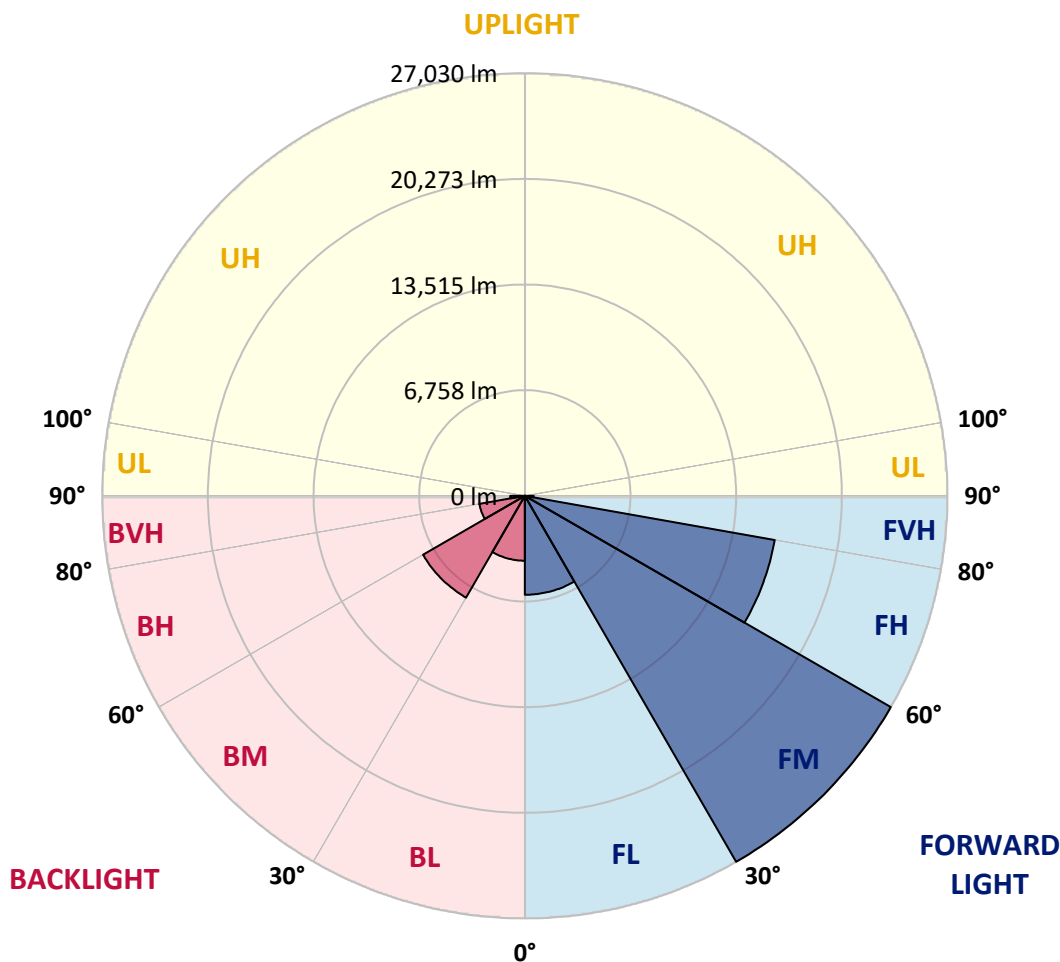


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6331.7	9.6			
FM (30°-60°)	27030.2	41.1			
FH (60°-80°)	16230.0	24.7			G5
FVH (80°-90°)	564.5	0.9			G4/750
BL (0°-30°)	4151.5	6.3	B4/5000		
BM (30°-60°)	7521.4	11.4	B4/8500		
BH (60°-80°)	2951.0	4.5	B4/5000		G4/5000
BVH (80°-90°)	933.6	1.4			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3
2.5°	15583.4	15539.6	15495.8	15525.0	15466.7	15452.1	15379.1	15349.9	15262.4	15247.8	15087.3
5°	15904.4	15816.8	15802.2	15831.4	15773.1	15773.1	15714.7	15670.9	15539.6	15466.7	15233.2
7.5°	15904.4	15889.8	15919.0	16021.1	16035.7	16035.7	16035.7	16050.3	15919.0	15816.8	15452.1
10°	14999.7	14853.8	15174.8	15685.5	15933.6	16079.5	16342.1	16502.6	16400.5	16327.5	15831.4
12.5°	12300.4	12315.0	12825.6	13920.0	14912.2	15335.3	16429.7	17013.3	17057.1	16940.4	16312.9
15°	10432.7	10505.7	10768.3	11556.2	12694.3	13321.7	15919.0	17465.6	17815.8	17699.1	16896.6
17.5°	9863.6	9907.4	10024.1	10476.5	11118.5	11629.2	14532.8	17757.5	18735.1	18589.2	17553.2
20°	9776.1	9805.3	9951.2	10330.6	10768.3	11060.1	13117.5	17524.0	19596.0	19537.6	18151.4
22.5°	9790.7	9819.9	10009.6	10534.8	10987.2	11235.2	12665.1	16984.1	20500.6	20559.0	18764.3
25°	9819.9	9834.5	10126.3	10826.7	11395.7	11702.1	12957.0	16502.6	21259.4	21755.5	19435.5
27.5°	9980.4	10024.1	10418.1	11206.0	11877.2	12227.4	13642.8	16663.1	22091.0	23112.4	20238.0
30°	10418.1	10447.3	10928.8	11745.9	12475.5	12840.2	14459.9	17305.1	23112.4	24513.2	21025.9
32.5°	11103.9	11133.1	11687.5	12533.8	13321.7	13759.5	15525.0	18530.8	24250.5	25986.9	21813.8
35°	12052.3	12066.9	12694.3	13599.0	14430.7	14926.8	16765.3	19917.0	25432.4	27241.7	22397.5
37.5°	13175.8	13278.0	13920.0	14868.4	15846.0	16298.3	18224.4	21536.6	26483.0	28306.9	22733.1
40°	14722.5	14751.7	15379.1	16298.3	17334.3	17772.1	19683.5	23068.7	27635.7	28934.3	23039.5
42.5°	16312.9	16561.0	17086.3	18107.7	18881.0	19231.2	21346.9	24469.4	28554.9	28963.5	22908.2
45°	18443.3	18632.9	19158.2	20062.9	20836.2	21244.8	23141.6	25753.4	29021.9	28715.4	22616.3
47.5°	20880.0	20996.7	21419.9	22237.0	23097.8	23389.7	25009.3	26483.0	29197.0	28540.4	22485.0
50°	23754.4	23754.4	24060.9	24761.2	25549.2	25957.7	26731.0	26920.7	29707.6	28233.9	22820.6
52.5°	26176.6	26293.3	26701.9	27694.1	28482.0	28948.9	28073.4	27591.9	28671.7	26526.8	22922.7
55°	28496.6	28627.9	29547.1	30787.4	32129.8	32640.5	29751.4	27256.3	25184.4	24031.7	22222.4
57.5°	30714.4	30991.7	32144.4	34566.5	36594.7	36550.9	31881.7	24250.5	20559.0	21273.9	20690.3
60°	33807.8	34099.6	35938.1	38987.6	41468.1	40432.2	31910.9	20179.6	16021.1	16984.1	17815.8
62.5°	36390.4	36886.5	39585.9	44663.6	46939.8	45320.2	29269.9	15452.1	10637.0	11848.0	13774.1
65°	36156.9	36813.6	41001.2	48836.7	52236.4	50733.5	25403.2	9776.1	5486.3	8098.1	9644.8
67°	32976.1	33691.0	39119.0	48982.6	54133.3	50923.2	21449.0	5909.4	3487.3	5617.6	6697.4
67.5°	31152.2	32202.7	38185.1	48705.4	53783.1	50120.7	19668.9	4946.4	3283.0	5223.6	6099.1
70°	19158.2	20850.8	28657.1	43058.6	48209.3	41949.6	10928.8	2801.5	2670.2	3501.9	4216.9
72.5°	5763.5	6274.2	11060.1	27621.1	35383.6	31093.8	4917.2	2159.5	2393.0	2816.1	3253.8
75°	2801.5	2991.2	4567.0	11293.6	17232.2	17144.6	2743.1	1853.1	2217.9	2363.8	2568.0
77.5°	1794.7	1911.4	2845.3	6318.0	7893.8	7032.9	1984.4	1619.6	1969.8	1940.6	1911.4
80°	1123.5	1181.9	1823.9	3662.4	5821.9	4858.9	1459.1	1327.8	1692.6	1502.9	1357.0
82.5°	729.6	802.5	1167.3	2232.5	4158.5	3618.6	963.0	948.4	1400.8	1196.5	1050.6
85°	481.5	539.9	744.2	1313.2	2465.9	2582.6	627.4	656.6	1079.7	904.7	802.5
87.5°	175.1	218.9	379.4	583.6	1152.7	1429.9	262.6	248.1	525.3	423.1	335.6
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: P1435490

CATALOG NUMBER: GALN-SB7D-835-U-T4LG

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3	15014.3
2.5°	15058.1	15014.3	14810.0	14635.0	14503.6	14328.5	14138.9	13920.0	13774.1	13803.3	13759.5
5°	15131.1	15014.3	14620.4	14022.1	13438.5	12708.9	11775.1	11220.6	10797.5	10578.6	10637.0
7.5°	15291.6	15087.3	14255.6	13044.5	11527.0	10038.7	9119.5	8594.2	8346.2	8244.0	8229.4
10°	15568.8	15218.6	13788.7	11527.0	9542.6	8535.8	8200.2	8054.3	8025.1	8025.1	8010.6
12.5°	15904.4	15349.9	13000.7	10053.3	8594.2	8229.4	8171.1	8185.7	8229.4	8273.2	8200.2
15°	16312.9	15408.3	12023.1	9163.3	8404.5	8317.0	8404.5	8506.7	8579.6	8638.0	8565.0
17.5°	16721.5	15349.9	11103.9	8740.1	8433.7	8550.4	8725.5	8886.0	8929.8	9017.4	8959.0
20°	17013.3	15145.6	10316.0	8579.6	8506.7	8769.3	8988.2	9163.3	9250.8	9309.2	9250.8
22.5°	17232.2	14883.0	9746.9	8419.1	8506.7	8827.7	9090.3	9294.6	9396.7	9455.1	9382.1
25°	17421.9	14518.2	9309.2	8185.7	8331.6	8638.0	8929.8	9134.1	9280.0	9367.5	9323.8
27.5°	17655.3	14226.4	8900.6	7835.5	7966.8	8258.6	8565.0	8813.1	9090.3	9236.2	9207.0
30°	17918.0	14080.5	8506.7	7456.1	7543.6	7835.5	8200.2	8535.8	8915.2	9104.9	9104.9
32.5°	18224.4	13978.4	8141.9	7091.3	7164.3	7485.3	7835.5	8141.9	8550.4	8856.8	8842.3
35°	18355.7	13861.6	7850.1	6755.7	6901.6	7164.3	7441.5	7645.8	8068.9	8433.7	8462.9
37.5°	18487.0	13817.8	7704.1	6493.1	6609.8	6814.1	6960.0	7062.1	7456.1	7835.5	7850.1
40°	18647.5	14022.1	7806.3	6318.0	6215.8	6420.1	6493.1	6551.4	6755.7	7003.8	7003.8
42.5°	18545.4	14168.0	8039.7	6157.5	5734.3	5967.8	5997.0	5982.4	5997.0	6011.6	5997.0
45°	18282.8	14022.1	8039.7	5909.4	5223.6	5471.7	5457.1	5384.1	5267.4	4961.0	4917.2
47.5°	18224.4	13934.6	7733.3	5500.9	4713.0	4917.2	4946.4	4800.5	4464.9	4143.9	4041.8
50°	18472.4	14095.1	7251.8	5004.8	4275.2	4450.3	4523.3	4275.2	3895.8	3560.2	3501.9
52.5°	18837.2	14299.4	6551.4	4464.9	3910.4	4085.5	4173.1	3895.8	3501.9	3239.2	3210.1
55°	18793.4	14299.4	5763.5	3968.8	3633.2	3764.5	3910.4	3618.6	3312.2	3166.3	3151.7
57.5°	17845.0	13759.5	5179.9	3618.6	3370.6	3487.3	3677.0	3399.7	3107.9	3137.1	3180.9
60°	15991.9	12358.7	4742.1	3385.2	3137.1	3253.8	3458.1	3137.1	2757.7	2655.6	2655.6
62.5°	13175.8	10184.6	4391.9	3151.7	2918.2	3064.1	3166.3	2743.1	2495.1	2378.4	2378.4
65°	9878.2	7879.2	4027.2	2962.0	2728.6	2889.1	2772.3	2568.0	2320.0	2232.5	2247.0
67°	7324.8	6113.7	3720.8	2801.5	2611.8	2684.8	2597.2	2451.3	2203.3	2130.3	2203.3
67.5°	6580.6	5807.3	3647.8	2757.7	2582.6	2641.0	2553.5	2436.7	2174.1	2101.1	2174.1
70°	4523.3	4464.9	3253.8	2553.5	2422.1	2363.8	2407.5	2261.6	2042.8	2013.6	2086.5
72.5°	3443.5	3560.2	2918.2	2378.4	2247.0	2174.1	2276.2	2130.3	1911.4	1955.2	2028.2
75°	2699.4	2874.5	2611.8	2130.3	2042.8	2057.4	2261.6	2203.3	2028.2	2071.9	2086.5
77.5°	1999.0	2320.0	2232.5	1853.1	1780.1	1984.4	2553.5	2728.6	2422.1	2349.2	2247.0
80°	1459.1	1663.4	1882.3	1532.1	1488.3	1911.4	3151.7	3487.3	2991.2	2699.4	2626.4
82.5°	1079.7	1167.3	1546.7	1225.7	1079.7	1707.2	3501.9	4100.1	3560.2	3005.8	2918.2
85°	773.3	904.7	1225.7	904.7	715.0	1400.8	3428.9	4012.6	3531.1	2845.3	2772.3
87.5°	277.2	394.0	525.3	408.6	364.8	963.0	2830.7	2889.1	2203.3	1006.8	1021.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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



Test Conditions

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

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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 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

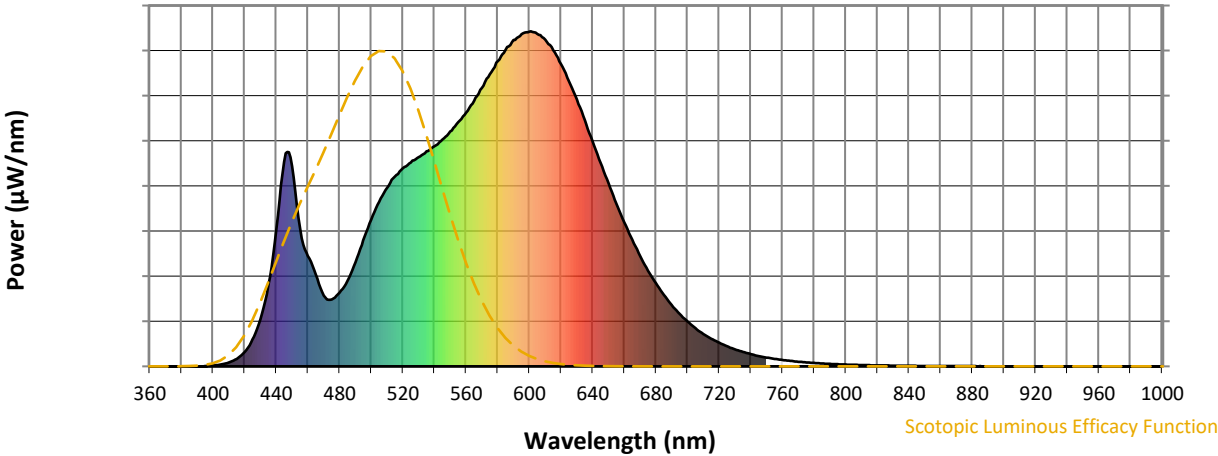


Photopic Lumens: NR

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	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



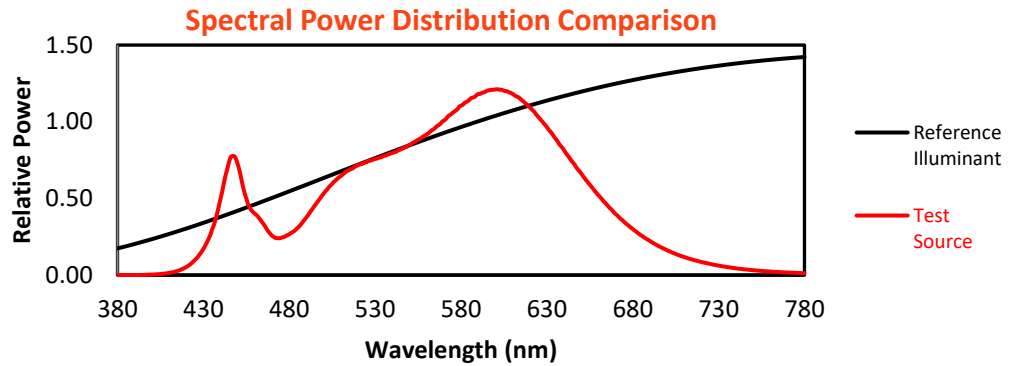
Melanopic Lumens: NR

M/P: 2.88

λ (nm)	Power W ² /nm	Lumens (φ/nm)	λ (nm)	Power W ² /nm	Lumens (φ/nm)	λ (nm)	Power W ² /nm	Lumens (φ/nm)	λ (nm)	Power W ² /nm	Lumens (φ/nm)	λ (nm)	Power W ² /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			

Summary

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

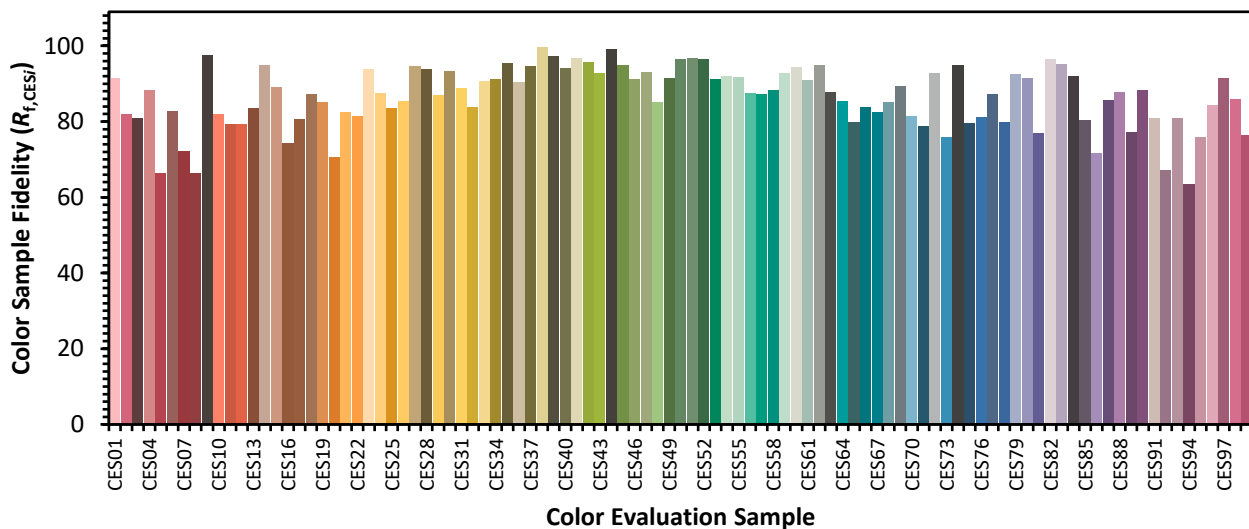


Color Vector Graphics

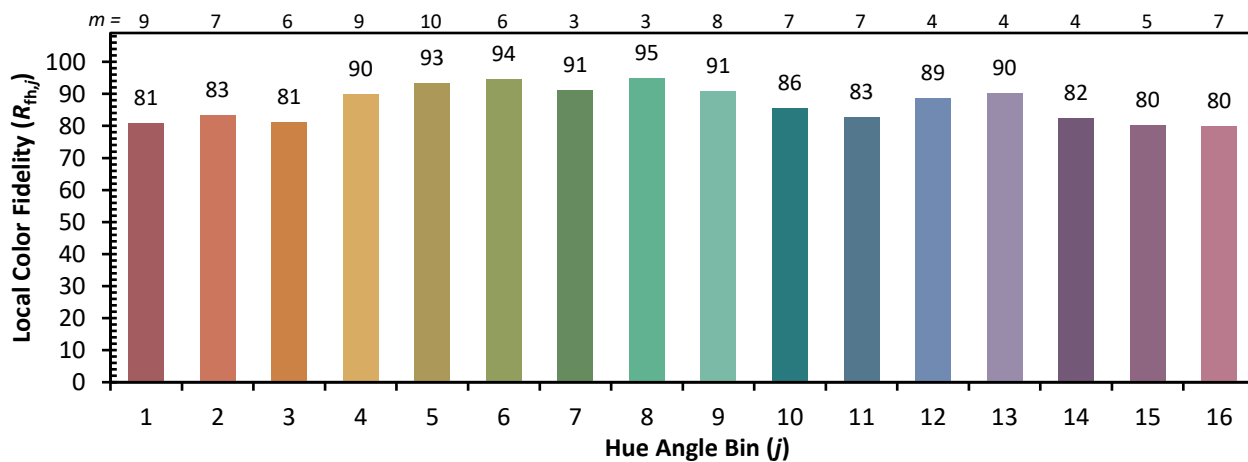


Individual Sample Fidelity Index ($R_{f,i}$)

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)