

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641957

Luminaire Tested: GWS-SA6B-830-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11274.7 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



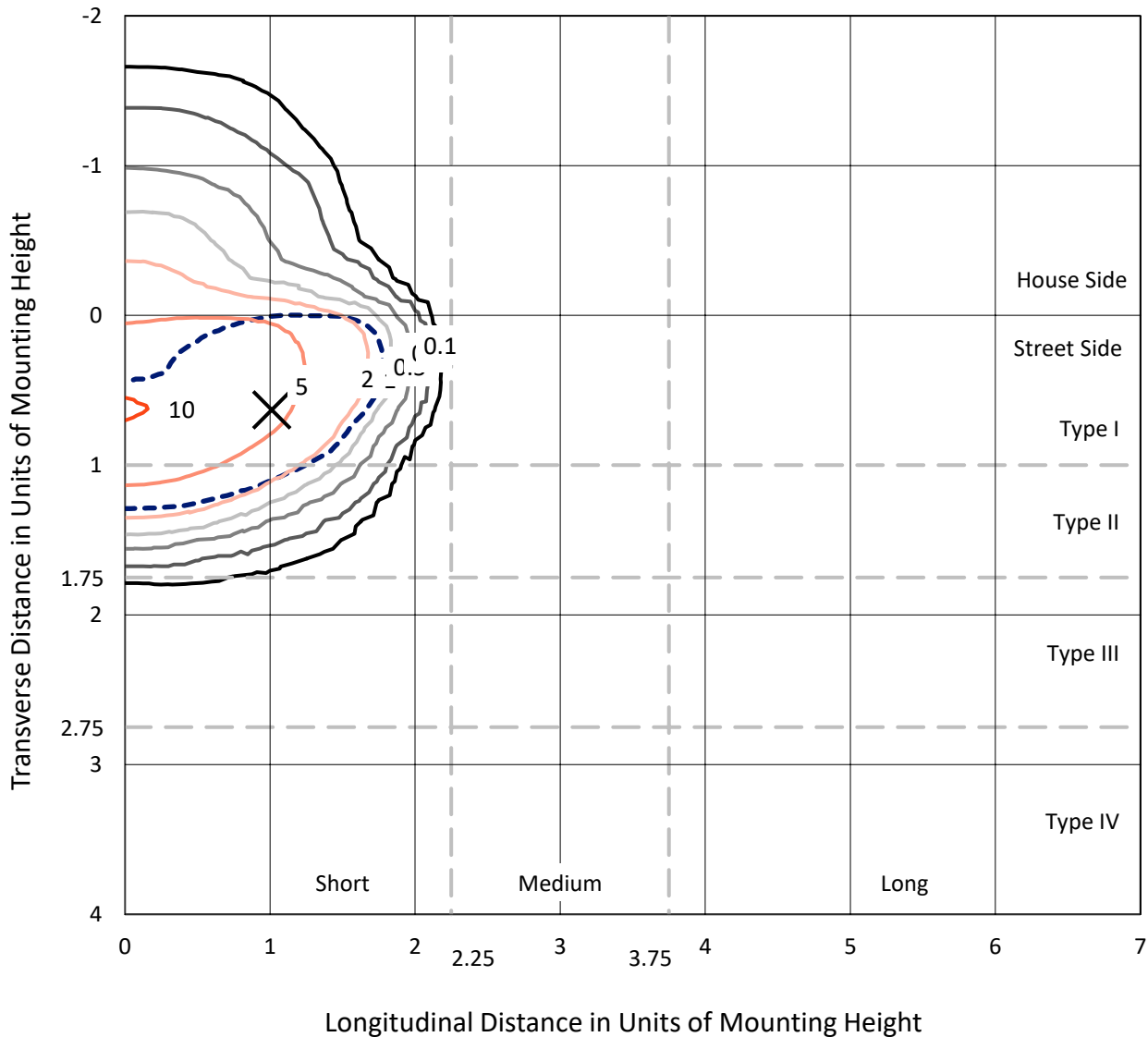
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

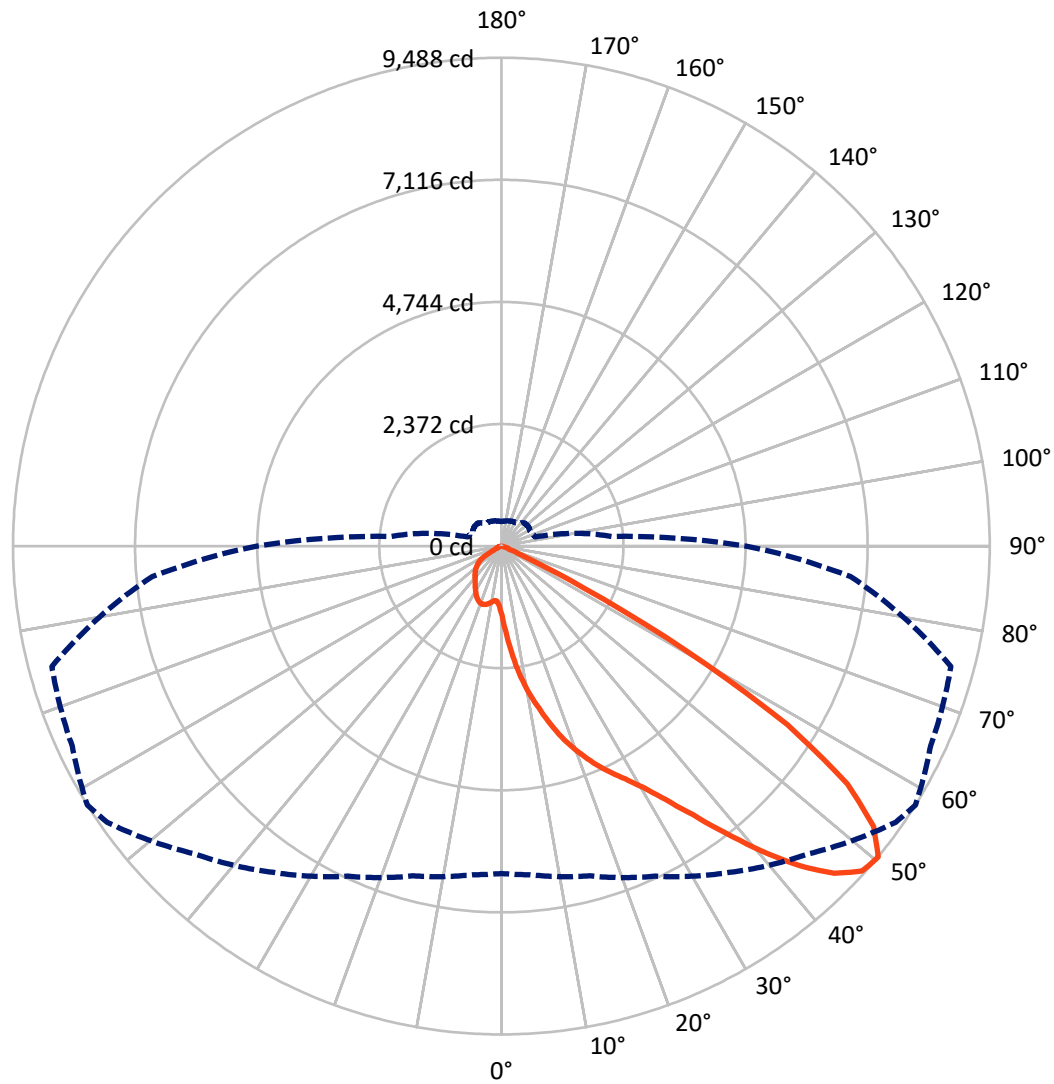


Based on 20 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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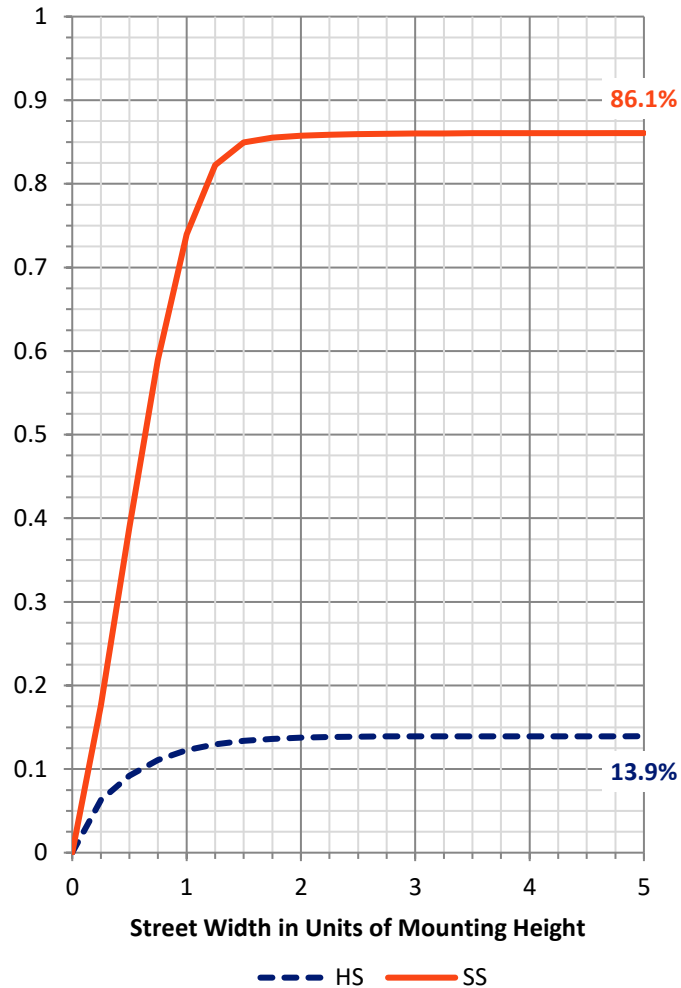
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1579.2	0.0	1579.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	9695.5	0.0	9695.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	11274.7	0.0	11274.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.5
10°-20°	660.5	5.9
20°-30°	1336.5	11.9
30°-40°	2364.4	21.0
40°-50°	3446.8	30.6
50°-60°	2762.7	24.5
60°-70°	497.7	4.4
70°-80°	39.2	0.3
80°-90°	0.0	0.0
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°	11274.7	100.0
0°-180°	11274.7	100.0

Coefficient of Utilization



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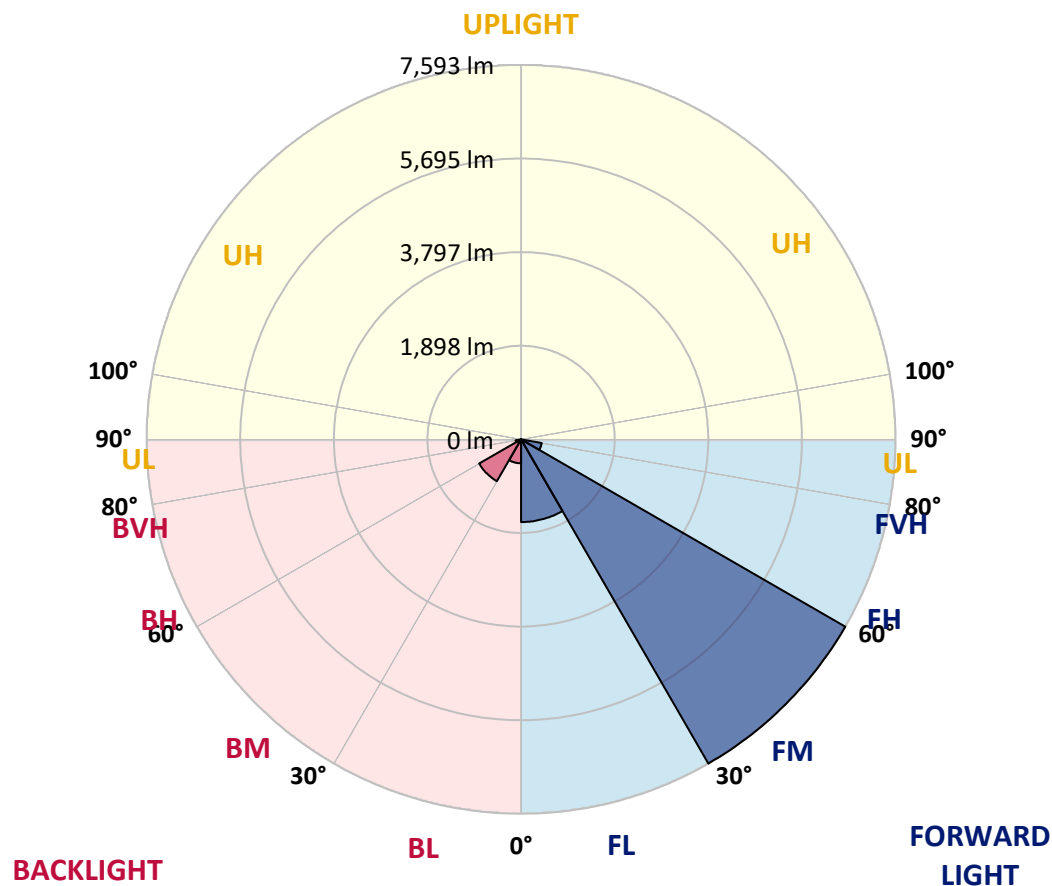
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1677.6	14.9			
FM	(30°-60°)	7593.2	67.3			
FH	(60°-80°)	424.7	3.8			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	486.2	4.3	B1/500		
BM	(30°-60°)	980.7	8.7	B1/1000		
BH	(60°-80°)	112.2	1.0	B1/500		G1/500
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CATALOG NUMBER: GWS-SA6B-830-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7
2.5°	1993.0	1961.6	1943.6	1929.1	1865.2	1763.9	1697.6	1662.6	1604.8	1507.1	1422.7
5°	2600.6	2577.7	2535.5	2506.6	2424.6	2281.1	2132.8	2073.8	1942.3	1721.7	1524.0
7.5°	3003.3	2986.5	2970.8	2932.2	2855.0	2724.8	2560.9	2499.4	2296.8	1983.3	1659.0
10°	3313.2	3299.9	3281.9	3280.7	3220.4	3103.4	2943.1	2879.2	2659.7	2267.9	1818.2
12.5°	3585.7	3574.8	3571.2	3605.0	3566.4	3479.6	3306.0	3226.4	2993.7	2558.5	1994.2
15°	3772.6	3770.2	3785.8	3852.1	3873.8	3834.1	3688.2	3602.6	3334.9	2850.2	2188.3
17.5°	3858.2	3865.4	3895.5	4010.1	4106.5	4140.3	4028.2	3955.8	3673.7	3145.6	2395.7
20°	4004.1	4001.6	4019.7	4128.2	4246.4	4367.0	4333.2	4271.7	4016.1	3457.9	2626.0
22.5°	4415.2	4380.2	4341.7	4358.5	4400.7	4541.8	4604.5	4573.1	4369.4	3778.6	2863.5
25°	5047.0	5010.8	4886.6	4766.0	4686.5	4750.4	4836.0	4851.7	4720.2	4107.7	3111.9
27.5°	5717.3	5684.8	5544.9	5364.1	5136.2	5025.3	5089.2	5120.5	5065.1	4499.6	3375.9
30°	6345.5	6302.1	6149.0	5924.7	5660.7	5490.7	5418.3	5440.0	5472.6	4963.8	3685.8
32.5°	6890.5	6857.9	6674.6	6438.3	6183.9	6006.7	5837.9	5874.1	5953.6	5531.7	4082.4
35°	7352.2	7335.4	7141.2	6906.1	6637.3	6546.8	6402.2	6409.4	6489.0	6217.7	4565.9
37.5°	7753.7	7724.8	7548.8	7330.5	7117.1	7102.7	7062.9	7066.5	7107.5	7017.1	5121.7
40°	8006.9	7980.4	7855.0	7720.0	7568.0	7570.5	7776.6	7792.3	7745.3	7801.9	5708.9
42.5°	8102.2	8082.9	8015.4	8016.6	8000.9	8072.0	8459.0	8488.0	8319.2	8418.1	6210.5
45°	7937.0	7928.5	7933.4	8107.0	8295.1	8514.5	9017.3	9067.9	8829.2	8826.8	6602.3
47.5°	7404.1	7387.2	7528.3	7823.7	8258.9	8685.7	9354.9	9433.2	9186.1	9060.7	6848.3
50°	6360.0	6408.2	6631.2	7074.9	7736.8	8450.6	9351.2	9487.5	9199.3	9040.2	6807.3
52.5°	4606.9	4597.3	5085.6	5695.6	6501.0	7698.3	8854.5	9053.4	8877.4	8838.8	6715.6
55°	2506.6	2594.6	2923.8	3731.6	4737.1	6274.4	7720.0	8154.0	8357.8	8765.3	6880.8
57.5°	921.1	959.7	1165.9	1737.4	2507.8	3901.6	5897.0	6551.7	7181.0	8560.3	6853.1
60°	371.3	378.6	460.6	639.0	1053.8	1985.8	3537.5	4118.6	4711.8	6552.9	5259.2
62.5°	270.1	279.7	312.3	373.8	532.9	868.1	1525.2	1773.6	1938.7	3245.7	2591.0
65°	218.2	225.5	252.0	279.7	352.1	466.6	491.9	473.8	471.4	839.2	594.4
67.5°	180.9	188.1	207.4	226.7	253.2	232.7	168.8	177.2	144.7	143.5	117.0
70°	132.6	141.1	160.4	180.9	151.9	62.7	97.7	144.7	109.7	91.6	89.2
72.5°	100.1	106.1	124.2	118.2	44.6	24.1	65.1	104.9	84.4	67.5	66.3
75°	74.8	78.4	62.7	19.3	4.8	6.0	24.1	43.4	47.0	38.6	38.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.6	4.8	6.0	7.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7	1346.7
2.5°	1374.5	1323.8	1251.5	1191.2	1145.4	1100.8	1067.0	1033.3	1032.1	1015.2	1011.6
5°	1432.3	1340.7	1208.1	1112.8	1055.0	1020.0	995.9	983.8	977.8	971.8	969.4
7.5°	1515.5	1384.1	1200.9	1099.6	1051.4	1028.4	1011.6	1004.3	1000.7	995.9	994.7
10°	1618.0	1446.8	1227.4	1124.9	1082.7	1061.0	1042.9	1032.1	1026.0	1017.6	1015.2
12.5°	1741.0	1524.0	1269.6	1167.1	1122.5	1093.6	1069.4	1053.8	1045.3	1034.5	1032.1
15°	1873.6	1607.2	1316.6	1205.7	1152.6	1115.3	1085.1	1061.0	1045.3	1032.1	1028.4
17.5°	2011.1	1691.6	1358.8	1232.2	1167.1	1122.5	1079.1	1046.5	1027.2	1010.4	1005.5
20°	2165.4	1778.4	1386.5	1237.0	1162.3	1103.2	1052.6	1011.6	992.3	969.4	964.5
22.5°	2327.0	1859.2	1398.6	1226.2	1135.7	1067.0	1012.8	970.6	942.8	918.7	911.5
25°	2483.7	1931.5	1392.6	1196.0	1096.0	1016.4	960.9	917.5	887.4	863.3	857.2
27.5°	2650.1	1991.8	1370.9	1151.4	1041.7	960.9	907.9	870.5	842.8	816.2	810.2
30°	2837.0	2047.2	1335.9	1097.2	977.8	904.3	863.3	837.9	807.8	780.1	771.6
32.5°	3062.4	2096.7	1285.3	1032.1	921.1	854.8	831.9	812.6	777.7	748.7	742.7
35°	3320.4	2137.7	1221.4	964.5	865.7	823.5	818.7	793.3	747.5	713.8	706.5
37.5°	3619.4	2177.5	1145.4	898.2	824.7	809.0	810.2	766.8	711.4	670.4	665.5
40°	3941.4	2217.2	1061.0	840.4	787.3	800.6	789.7	728.2	637.8	598.0	593.2
42.5°	4276.5	2260.6	975.4	786.1	756.0	768.0	752.3	651.1	586.0	565.5	563.1
45°	4579.2	2312.5	882.6	731.8	724.6	721.0	694.5	589.6	561.8	547.4	546.2
47.5°	4797.4	2304.1	783.7	680.0	690.9	678.8	598.0	560.6	537.7	518.4	513.6
50°	4757.6	2157.0	681.2	622.1	647.4	636.6	537.7	526.9	506.4	485.9	478.7
52.5°	4656.3	1956.8	592.0	560.6	600.4	575.1	496.7	485.9	467.8	441.3	432.8
55°	4710.6	1768.7	522.1	511.2	552.2	476.2	450.9	434.0	414.8	385.8	382.2
57.5°	4535.8	1443.2	419.6	426.8	488.3	406.3	395.5	368.9	336.4	317.1	314.7
60°	3139.6	775.3	262.8	271.3	353.3	341.2	354.5	330.4	290.6	272.5	268.9
62.5°	1442.0	311.1	143.5	137.4	185.7	231.5	303.8	301.4	252.0	223.1	220.6
65°	349.6	142.3	102.5	96.5	104.9	138.7	197.7	237.5	203.8	170.0	166.4
67.5°	113.3	115.7	94.0	88.0	92.8	103.7	118.2	131.4	130.2	119.4	117.0
70°	90.4	104.9	86.8	79.6	79.6	83.2	79.6	63.9	55.5	60.3	62.7
72.5°	67.5	79.6	68.7	61.5	59.1	57.9	49.4	36.2	25.3	22.9	21.7
75°	39.8	44.6	42.2	36.2	33.8	30.1	24.1	15.7	8.4	6.0	3.6
77.5°	7.2	8.4	9.6	7.2	6.0	4.8	3.6	1.2	0.0	0.0	0.0
80°	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2408-195-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/07/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **GALN-SB1A-830-U-5WQ**
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K): 3050
 CIE u' : 0.2476
 CIE v' : 0.5251
 Duv: 0.0034
 CIE x: 0.4383
 CIE y: 0.4131
 CIE z: 0.1487
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 581
 Purity: 55.55201
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 81.0
 R1: 79.6
 R2: 85.6
 R3: 92.0
 R4: 82.6
 R5: 78.9
 R6: 81.7
 R7: 85.2
 R8: 62.0
 R9: 7.1
 R10: 67.0
 R11: 82.7
 R12: 63.2
 R13: 80.3
 R14: 95.0
 R15: 71.7



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.27

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.32

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 81.0$
 $R_9 = 7.1$



Color Vector Graphics



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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)