

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: P321766

Luminaire Tested: **GLEON-SA2C-830-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA2C-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8845 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

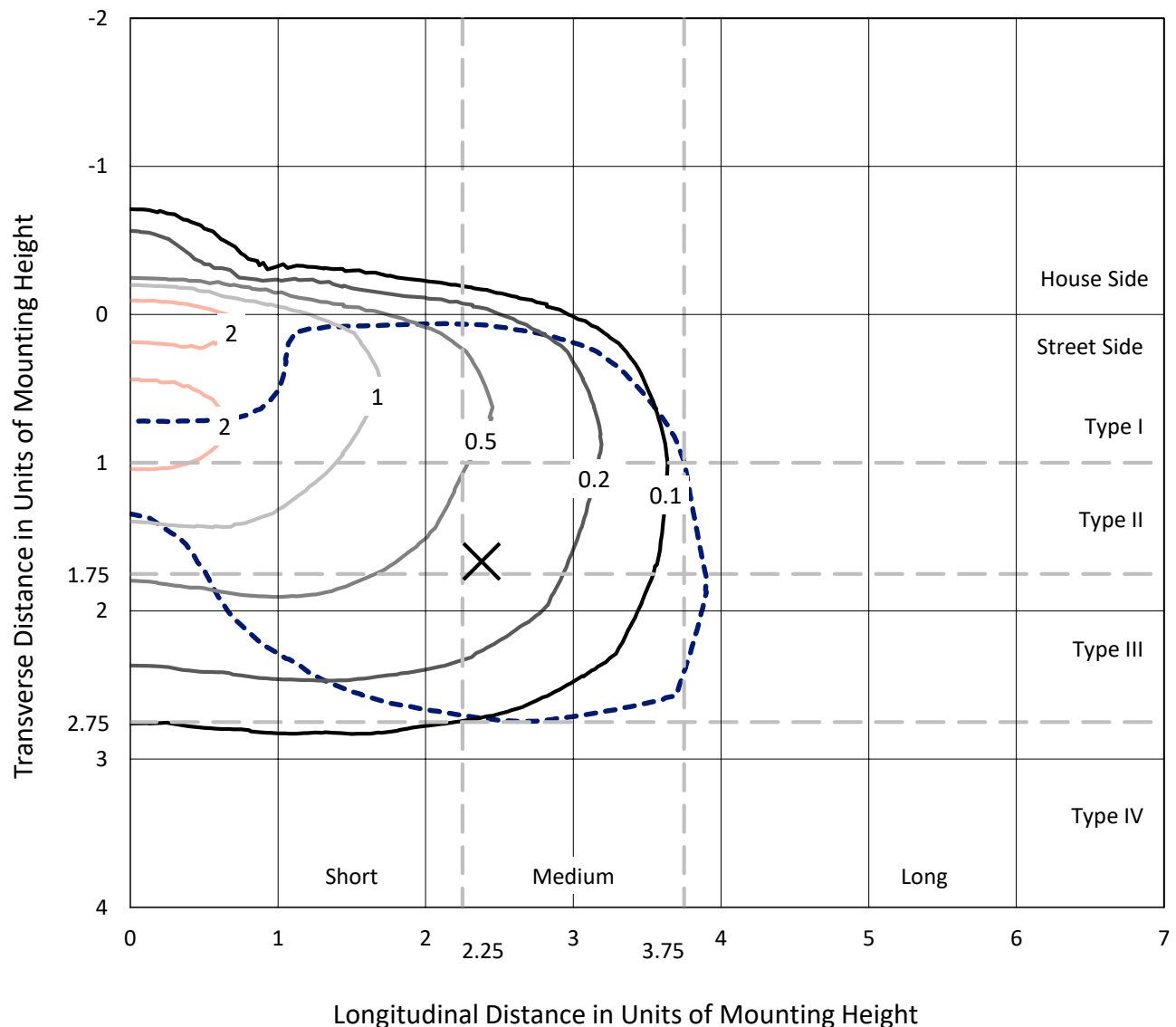
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

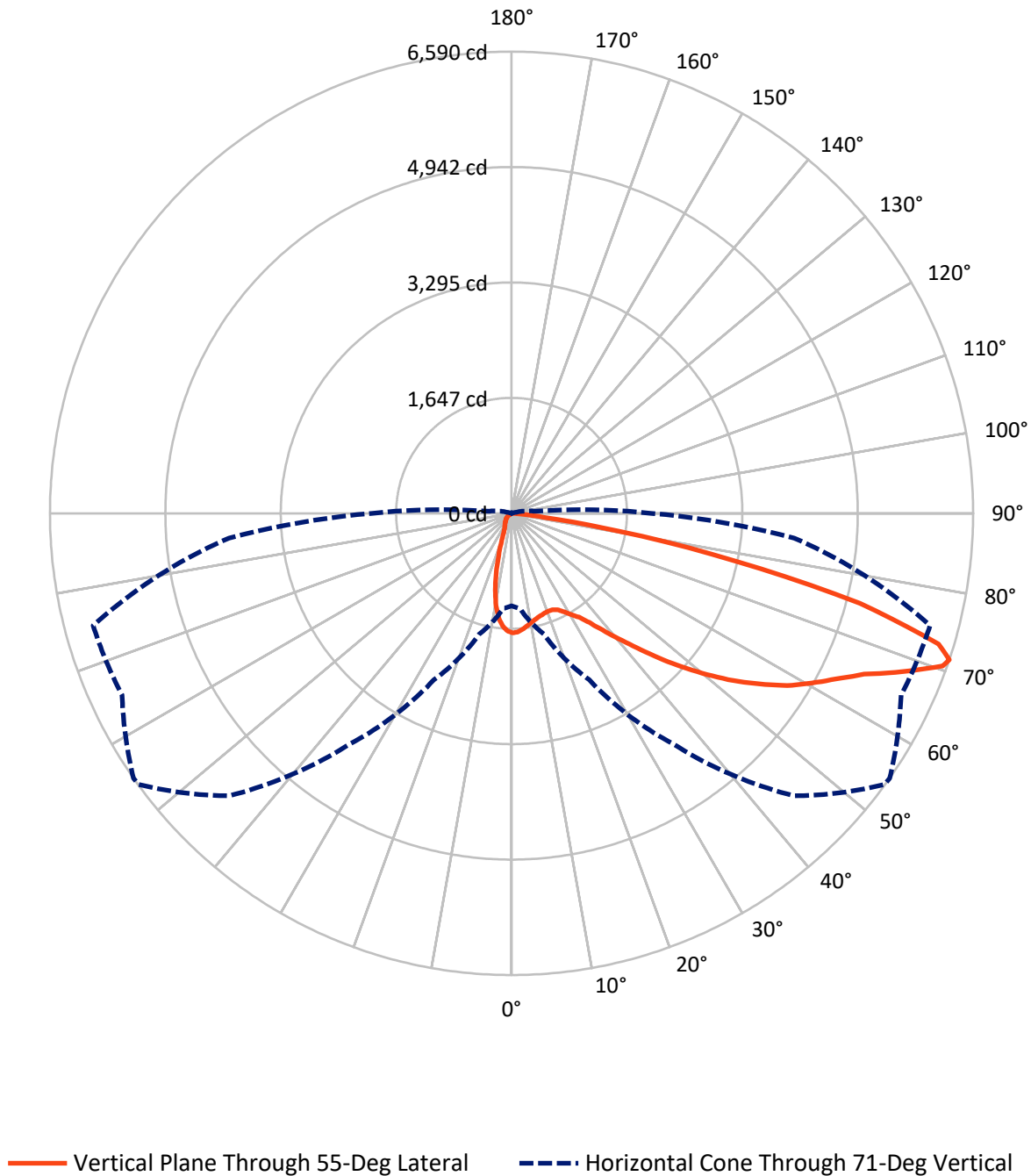
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.3	0.0	700.3
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	8144.7	0.0	8144.7
	% Fixture	92.1	0.0	92.1
Total	Lumens	8845.0	0.0	8845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.6
10°-20°	328.3	3.7
20°-30°	527.7	6.0
30°-40°	896.5	10.1
40°-50°	1391.5	15.7
50°-60°	1870.9	21.2
60°-70°	2288.7	25.9
70°-80°	1338.1	15.1
80°-90°	57.8	0.7
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°	8845.0	100.0
0°-180°	8845.0	100.0

Coefficient of Utilization



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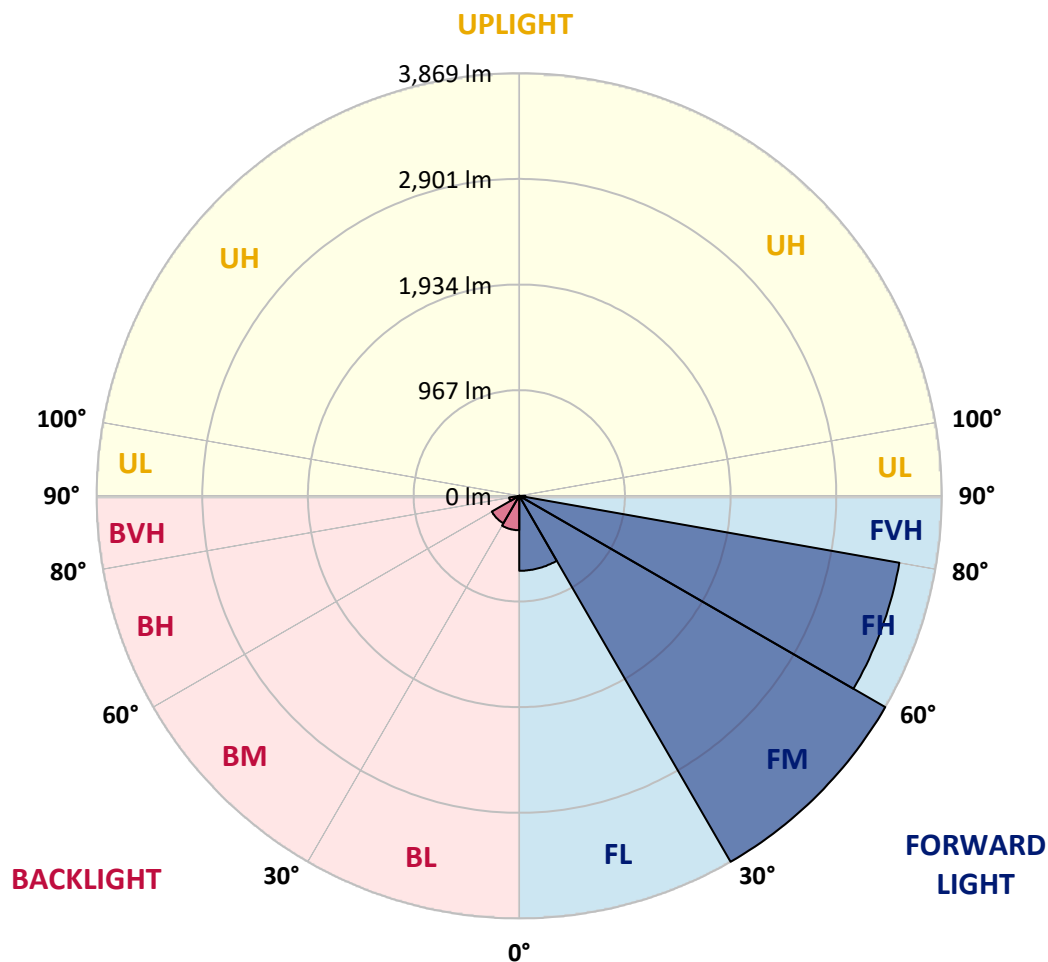
CATALOG NUMBER: GLEON-SA2C-830-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	686.2	7.8			
FM	(30°-60°)	3868.5	43.7			
FH	(60°-80°)	3533.0	39.9			G2/5000
FVH	(80°-90°)	56.9	0.6			G1/100
BL	(0°-30°)	315.2	3.6	B1/500		
BM	(30°-60°)	290.4	3.3	B1/1000		
BH	(60°-80°)	93.8	1.1	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8
2.5°	1655.7	1657.7	1664.9	1668.1	1675.6	1688.3	1694.7	1695.1	1705.4	1709.4	1712.5
5°	1538.6	1550.5	1562.4	1575.1	1598.2	1628.7	1658.9	1661.7	1695.1	1719.7	1732.8
7.5°	1437.7	1448.4	1462.7	1483.0	1515.6	1563.6	1614.0	1620.0	1683.2	1739.2	1768.5
10°	1334.1	1342.8	1363.4	1393.2	1438.1	1502.4	1570.4	1580.3	1672.4	1765.4	1817.0
12.5°	1223.2	1228.4	1253.4	1296.3	1362.2	1444.1	1533.4	1546.5	1665.7	1795.5	1874.2
15°	1139.0	1141.4	1165.3	1209.7	1285.2	1391.6	1504.8	1520.7	1667.3	1831.7	1936.5
17.5°	1117.6	1118.8	1131.5	1162.1	1228.8	1344.8	1482.2	1501.7	1672.0	1867.0	1999.3
20°	1204.6	1196.2	1183.1	1178.4	1207.0	1316.6	1468.7	1490.5	1678.4	1898.4	2055.7
22.5°	1443.3	1418.6	1364.2	1291.6	1247.5	1318.6	1472.3	1494.1	1698.6	1936.9	2120.8
25°	1797.5	1763.4	1670.8	1527.9	1390.4	1375.8	1502.0	1524.3	1738.0	1983.0	2183.2
27.5°	2200.6	2166.9	2053.7	1849.6	1615.2	1488.9	1570.4	1591.0	1796.3	2023.9	2230.8
30°	2586.7	2577.2	2443.7	2211.8	1898.0	1672.4	1658.5	1676.0	1839.6	2048.5	2268.6
32.5°	2913.9	2898.9	2791.6	2566.0	2221.7	1892.9	1762.2	1767.3	1872.2	2080.3	2317.8
35°	3217.4	3198.7	3104.6	2891.3	2553.7	2162.1	1921.8	1914.3	1943.3	2144.3	2389.3
37.5°	3482.3	3499.4	3394.9	3192.0	2851.6	2442.1	2137.1	2114.5	2054.5	2248.3	2493.0
40°	3703.9	3703.9	3649.5	3480.3	3173.3	2731.6	2380.6	2350.8	2221.7	2408.8	2624.4
42.5°	3783.7	3800.8	3821.0	3725.3	3461.2	3032.7	2651.8	2620.8	2457.2	2636.3	2790.4
45°	3788.5	3815.5	3919.1	3918.7	3721.4	3331.8	2957.6	2942.9	2759.1	2928.6	2996.2
47.5°	3721.4	3755.1	3925.9	4022.8	3927.5	3610.2	3292.0	3273.8	3113.7	3286.9	3211.4
50°	3617.7	3655.0	3853.6	4063.7	4067.7	3852.4	3644.3	3616.9	3504.1	3696.3	3433.8
52.5°	3432.2	3504.5	3788.9	4073.2	4159.8	4061.7	3979.5	3967.6	3941.0	4090.7	3611.0
55°	3035.5	3115.7	3626.4	4076.4	4245.2	4247.2	4293.7	4296.8	4350.5	4459.3	3742.8
57.5°	2848.0	2893.3	3342.9	4091.5	4371.9	4457.7	4613.8	4638.4	4721.4	4809.2	3893.3
60°	2730.1	2783.7	3203.1	4070.9	4570.9	4733.7	4910.5	4918.8	5007.8	5170.2	4097.1
62.5°	2635.9	2688.8	3114.9	3991.4	4794.5	5065.7	5200.4	5201.2	5267.9	5600.3	4328.6
65°	2403.6	2448.1	2936.6	3902.1	4942.2	5394.2	5537.2	5532.0	5586.4	6053.9	4597.5
67.5°	2067.6	2101.8	2572.4	3563.3	4886.6	5692.9	6045.5	6028.4	5962.5	6445.9	4703.1
70°	1598.6	1610.9	2027.5	2969.5	4365.6	5807.6	6536.8	6528.1	6193.3	6375.6	4315.9
71°	1321.3	1361.9	1786.8	2620.8	4016.5	5701.6	6584.5	6589.6	6135.3	6184.1	4049.4
72.5°	767.3	801.9	1295.1	2012.8	3410.0	5259.2	6337.4	6374.8	5864.4	5624.9	3458.8
75°	164.4	175.9	480.2	974.2	1875.8	3686.0	5002.2	5135.2	4779.8	3826.6	2084.7
77.5°	114.4	123.5	205.7	442.0	620.0	1821.4	3107.4	3257.5	2855.6	1438.1	667.2
80°	90.6	100.9	160.5	218.4	167.6	587.4	1455.6	1547.3	952.4	320.9	112.4
82.5°	50.4	60.0	125.1	118.0	64.3	111.6	407.5	460.7	190.6	64.7	26.6
85°	14.7	17.9	80.6	85.8	27.4	21.4	69.5	86.2	36.1	17.1	11.9
87.5°	0.0	0.0	38.9	33.0	7.9	3.2	6.4	7.1	7.1	7.1	7.9
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: GLEON-SA2C-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8	1705.8
2.5°	1712.5	1715.3	1705.4	1692.3	1678.4	1661.3	1643.4	1629.5	1629.1	1622.4	1615.6
5°	1733.6	1732.0	1704.6	1662.9	1613.6	1562.4	1513.6	1458.4	1440.1	1417.5	1409.9
7.5°	1772.5	1761.4	1703.4	1612.1	1504.0	1396.8	1286.0	1174.4	1126.7	1083.8	1076.3
10°	1821.4	1800.3	1695.9	1535.8	1337.6	1139.8	972.6	820.9	754.2	703.0	700.6
12.5°	1872.2	1840.0	1674.8	1420.6	1119.6	841.6	649.0	499.6	444.0	408.3	411.5
15°	1925.4	1877.4	1629.5	1265.3	871.4	571.1	398.7	311.0	288.7	279.6	282.0
17.5°	1979.8	1903.2	1566.4	1078.3	626.3	368.6	276.0	251.4	251.4	253.4	254.2
20°	2027.1	1917.1	1473.5	868.6	424.6	268.5	241.5	237.9	239.9	243.1	243.5
22.5°	2074.0	1917.9	1352.3	656.1	297.1	235.1	230.0	228.4	229.6	233.1	233.5
25°	2112.1	1908.3	1200.6	466.7	237.1	221.6	219.2	218.4	219.2	223.6	223.6
27.5°	2127.6	1873.8	1015.5	328.1	212.5	206.5	205.7	206.5	207.7	210.9	211.3
30°	2129.2	1813.4	813.8	237.5	192.6	186.3	187.9	190.6	189.4	188.6	189.4
32.5°	2133.1	1743.5	617.2	195.4	175.9	166.0	164.0	164.0	159.3	156.5	154.9
35°	2146.2	1661.3	447.6	175.5	158.9	147.3	139.8	131.1	121.9	117.2	116.0
37.5°	2166.9	1575.1	320.5	162.4	143.8	130.7	116.4	100.9	87.8	84.2	84.2
40°	2204.6	1486.2	237.1	152.1	131.9	115.6	94.1	73.9	62.0	60.0	60.0
42.5°	2264.2	1392.4	189.0	143.0	121.5	100.1	71.9	53.6	44.9	43.7	43.3
45°	2326.1	1289.2	165.2	134.2	110.4	82.2	53.2	39.7	34.6	33.4	33.4
47.5°	2388.1	1179.2	153.7	125.9	99.7	63.9	39.7	31.4	29.0	29.0	29.4
50°	2440.5	1064.4	145.4	116.8	85.8	48.5	31.4	26.6	25.8	27.4	27.8
52.5°	2453.6	951.6	135.0	105.2	68.7	36.9	25.8	23.4	23.4	23.4	23.4
55°	2445.7	864.2	121.5	90.9	50.8	29.4	22.2	20.7	20.3	20.3	20.3
57.5°	2472.7	812.6	97.3	70.7	36.5	23.8	19.5	18.3	17.5	17.1	17.1
60°	2527.1	778.8	69.5	50.8	27.4	19.9	16.7	15.5	14.3	13.5	13.5
62.5°	2599.4	749.4	51.6	37.7	21.0	15.9	13.9	12.7	11.1	10.3	10.3
65°	2655.0	697.0	39.3	28.2	15.9	12.7	10.7	10.3	7.9	7.1	6.8
67.5°	2570.0	581.8	31.8	20.7	11.9	9.9	8.3	7.9	4.8	4.0	4.0
70°	2204.2	405.1	25.4	15.1	8.7	7.9	6.8	5.2	3.6	3.2	3.2
71°	1998.9	338.4	23.0	12.7	7.5	7.5	6.4	4.4	3.2	2.8	2.8
72.5°	1660.5	240.3	19.5	9.9	6.8	7.9	6.8	4.0	3.2	2.8	2.4
75°	963.9	100.5	13.5	6.8	5.2	9.5	8.7	3.6	2.4	2.0	2.0
77.5°	289.9	36.9	7.5	4.4	4.0	8.3	9.9	3.2	1.2	0.4	0.4
80°	52.8	15.9	4.8	2.8	2.8	5.2	7.5	1.6	0.0	0.0	0.0
82.5°	18.7	7.9	2.8	1.6	1.2	2.4	3.6	0.0	0.0	0.0	0.0
85°	10.7	5.6	1.6	0.8	0.0	0.4	0.8	0.0	0.0	0.0	0.0
87.5°	7.1	1.6	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 ^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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.32

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	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)