

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: P323666

Luminaire Tested: **GLEON-SA2A-830-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA2A-830-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6473 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

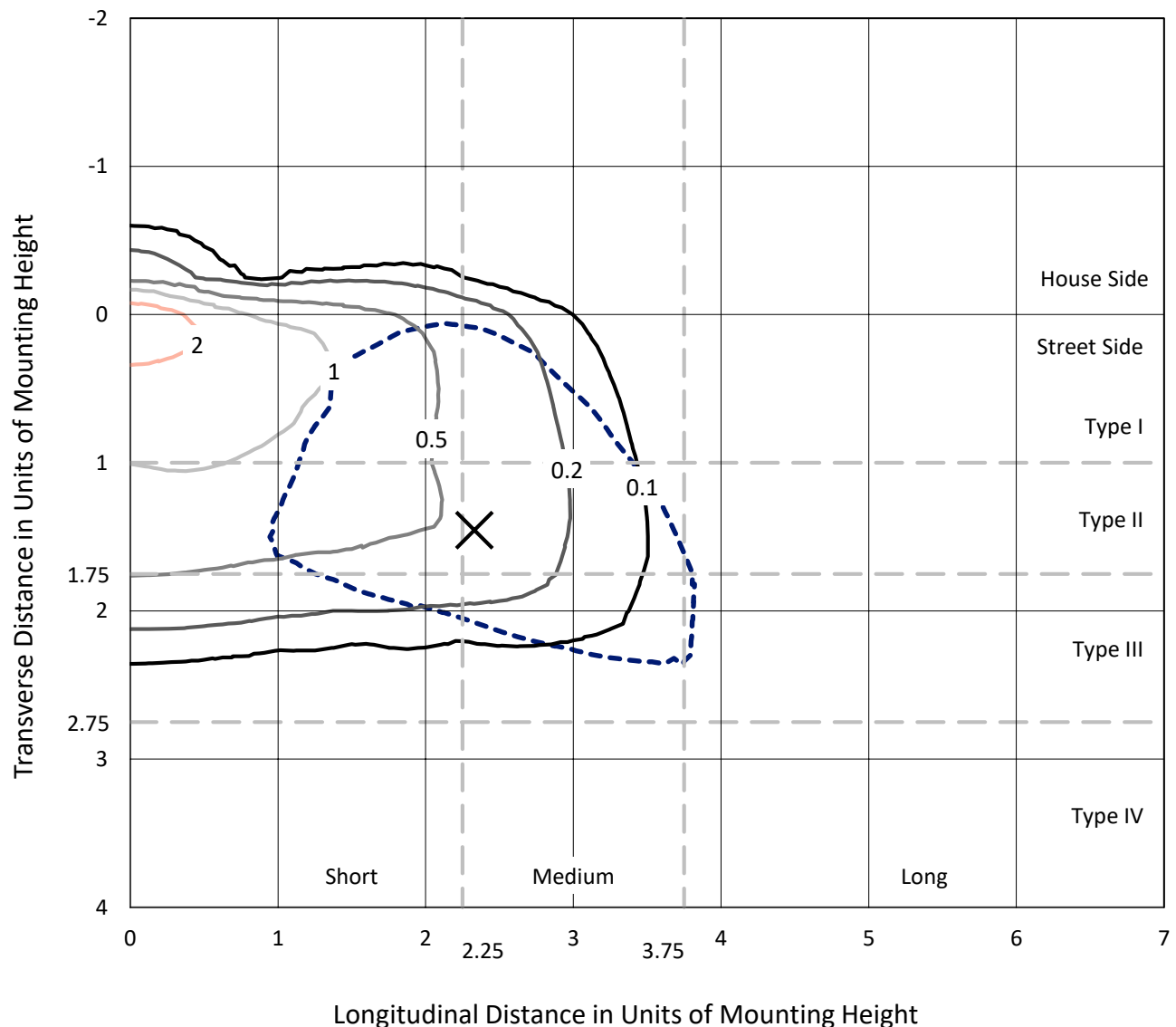
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

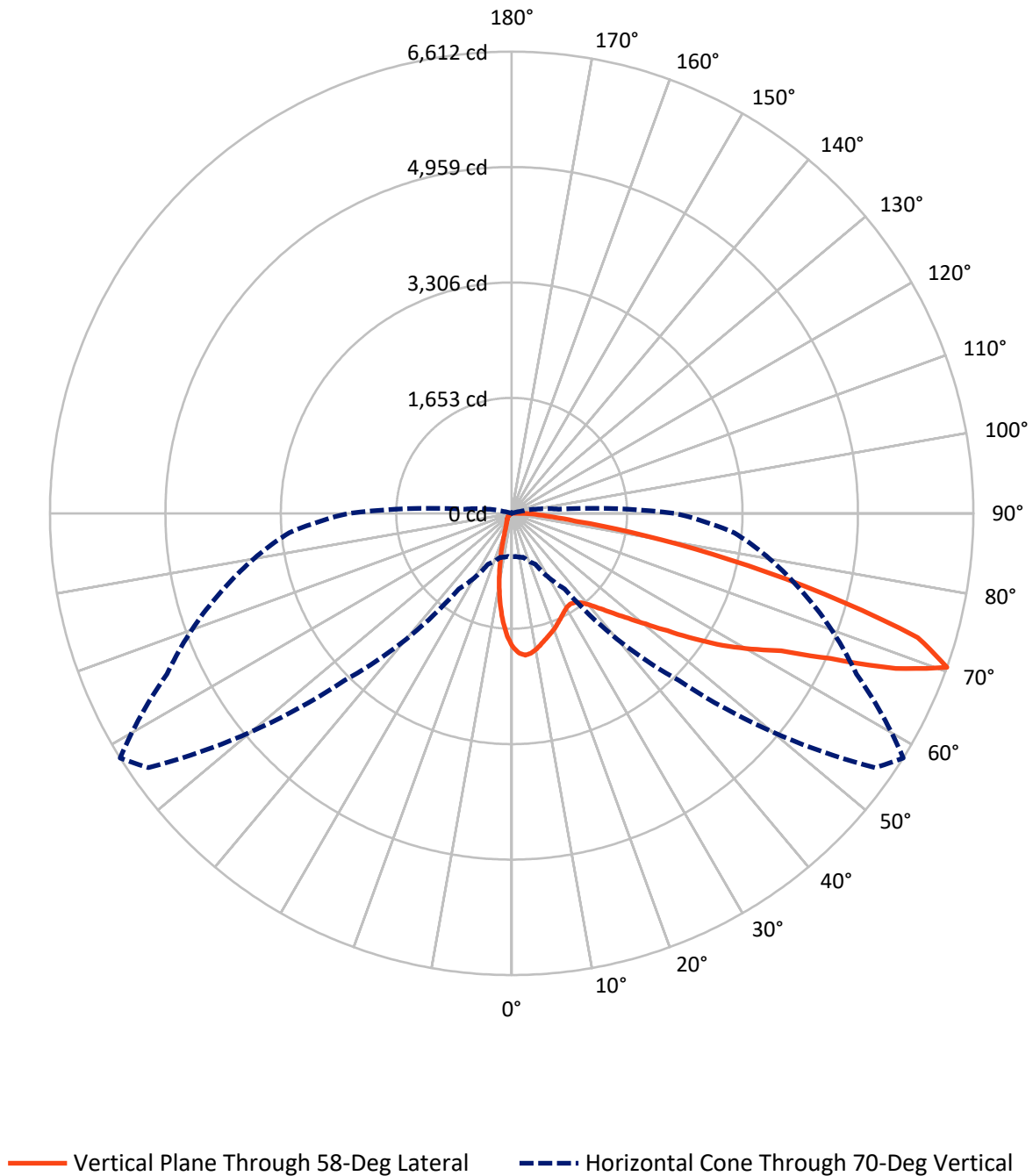
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	553.9	0.0	553.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	5919.1	0.0	5919.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	6473.0	0.0	6473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	2.4
10°-20°	328.2	5.1
20°-30°	431.4	6.7
30°-40°	571.4	8.8
40°-50°	854.0	13.2
50°-60°	1368.1	21.1
60°-70°	1724.5	26.6
70°-80°	930.2	14.4
80°-90°	108.9	1.7
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°	6473.0	100.0
0°-180°	6473.0	100.0

Coefficient of Utilization



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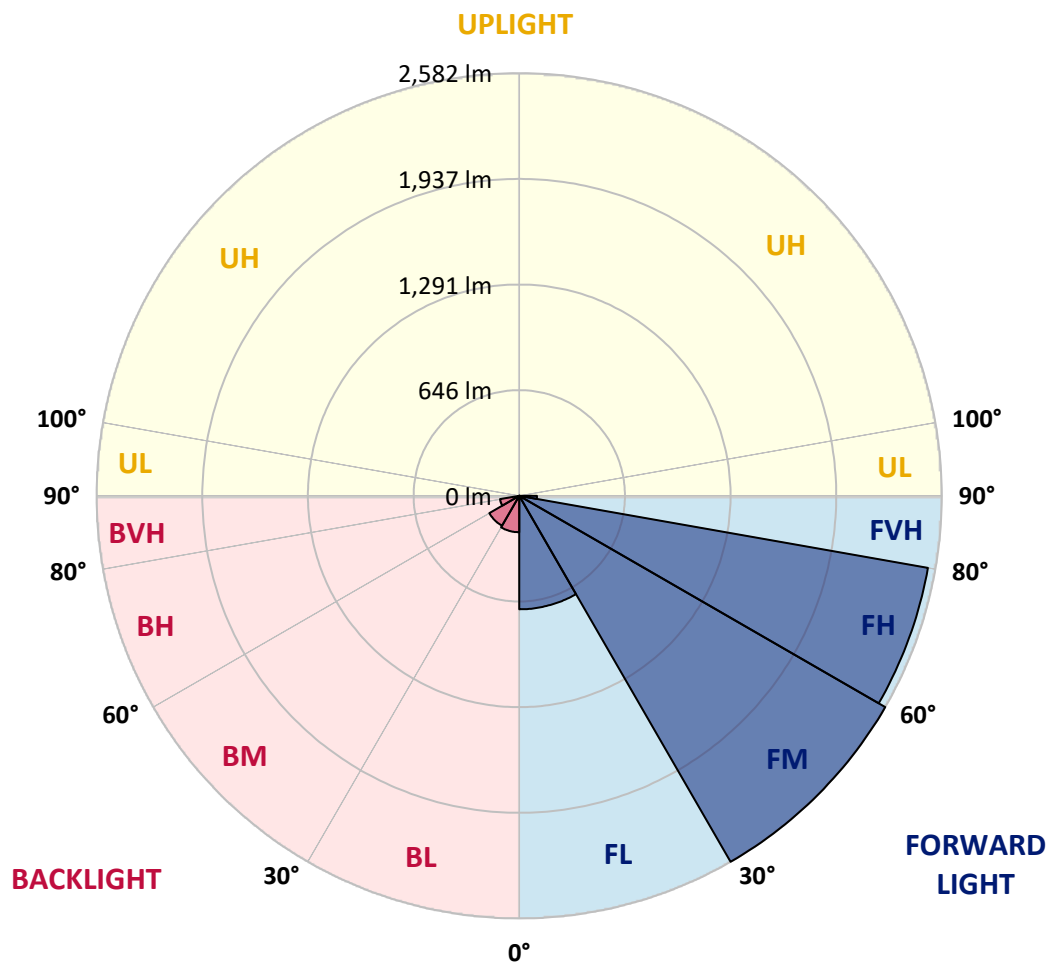
CATALOG NUMBER: GLEON-SA2A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	693.4	10.7			
FM	(30°-60°)	2582.2	39.9			
FH	(60°-80°)	2535.5	39.2			G2/5000
FVH	(80°-90°)	107.9	1.7			G2/225
BL	(0°-30°)	222.6	3.4	B1/500		
BM	(30°-60°)	211.3	3.3	B0/220		
BH	(60°-80°)	119.1	1.8	B1/500		G1/500
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°	55°	58°	65°	75°	85°
0°	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1
2.5°	2070.6	2065.5	2063.6	2060.4	2048.0	2035.9	2012.0	2005.2	1990.1	1954.4	1916.4
5°	2072.2	2072.0	2077.6	2076.3	2072.0	2066.3	2049.1	2040.2	2014.6	1963.5	1894.1
7.5°	1972.4	1977.5	1990.1	2000.4	2012.2	2027.6	2029.7	2021.1	2000.1	1944.9	1852.9
10°	1838.3	1846.4	1864.2	1884.4	1915.3	1946.0	1973.5	1972.4	1965.1	1910.7	1803.4
12.5°	1704.0	1713.5	1733.9	1763.8	1807.7	1857.7	1906.7	1913.4	1925.6	1880.1	1757.6
15°	1586.4	1594.5	1614.7	1651.3	1705.6	1772.9	1844.8	1857.2	1888.4	1856.1	1719.4
17.5°	1486.6	1491.7	1506.5	1547.1	1610.1	1691.7	1785.1	1809.3	1855.8	1837.3	1686.3
20°	1416.8	1417.7	1427.3	1455.9	1518.9	1610.1	1723.1	1757.9	1821.4	1821.1	1652.1
22.5°	1382.4	1379.7	1381.6	1398.0	1444.3	1532.3	1661.2	1702.4	1790.4	1807.4	1617.4
25°	1375.9	1373.8	1368.4	1370.5	1398.5	1464.2	1598.8	1646.4	1763.2	1799.0	1587.2
27.5°	1396.1	1398.3	1389.1	1379.4	1381.6	1420.1	1543.3	1598.5	1741.2	1799.0	1566.0
30°	1436.8	1437.8	1431.1	1418.5	1401.5	1407.7	1504.9	1560.0	1730.1	1811.4	1552.5
32.5°	1481.7	1487.6	1486.8	1476.6	1452.4	1427.3	1495.7	1546.0	1729.3	1838.9	1551.2
35°	1537.4	1544.2	1555.5	1553.3	1528.0	1486.8	1526.9	1566.5	1745.2	1884.1	1565.7
37.5°	1596.6	1606.9	1631.1	1642.7	1626.2	1579.7	1596.9	1625.2	1787.7	1957.3	1602.6
40°	1654.0	1665.5	1709.7	1755.2	1742.8	1694.9	1703.0	1725.6	1863.4	2062.6	1672.5
42.5°	1710.2	1727.5	1792.3	1867.1	1881.9	1843.7	1848.0	1866.1	1975.6	2207.4	1786.9
45°	1777.5	1796.9	1893.0	1985.3	2024.9	2008.2	2026.5	2038.3	2122.3	2398.7	1941.2
47.5°	1876.3	1898.6	2016.5	2121.8	2191.2	2202.0	2238.9	2246.7	2307.8	2621.6	2142.2
50°	2069.0	2075.2	2181.8	2277.3	2377.5	2442.1	2484.1	2490.0	2532.2	2865.2	2393.3
52.5°	2311.5	2315.6	2375.9	2439.9	2553.8	2685.7	2783.9	2792.2	2801.1	3102.6	2641.2
55°	2552.4	2551.9	2591.7	2629.4	2759.7	2951.3	3164.5	3169.6	3105.8	3327.9	2830.7
57.5°	2702.9	2717.4	2778.0	2826.4	3008.4	3254.1	3549.9	3568.8	3425.8	3494.7	3018.1
60°	2655.0	2662.0	2796.3	2975.5	3318.2	3684.5	3939.9	3944.8	3666.5	3661.3	3254.9
62.5°	2262.0	2265.8	2476.8	2846.3	3475.1	4242.7	4410.4	4331.5	3943.2	3892.6	3538.3
65°	1550.3	1574.8	1751.1	2207.9	3186.8	4592.9	5138.8	5008.2	4364.9	4225.8	3794.6
67.5°	913.0	907.9	995.1	1331.5	2340.6	4360.3	6060.1	5930.3	4940.1	4448.9	3719.5
70°	623.6	620.1	653.5	806.1	1321.3	3382.5	6350.0	6611.8	5448.0	4298.7	3201.1
72.5°	445.2	447.1	496.3	626.3	829.5	1970.8	5460.7	6080.5	5288.9	3747.5	2433.2
75°	302.3	307.4	377.9	513.8	727.3	1002.6	3875.1	4622.2	4306.8	2723.6	1398.5
77.5°	162.6	168.2	251.4	414.0	657.6	696.6	2492.7	3181.2	2705.3	1224.4	405.4
80°	67.8	71.1	117.6	300.9	568.2	611.8	1466.6	1929.1	1152.8	241.4	90.4
82.5°	29.3	31.0	49.0	179.5	424.7	516.5	776.5	928.1	349.4	53.0	45.5
85°	5.7	5.9	20.2	95.0	271.0	291.5	503.3	493.4	156.9	22.9	33.1
87.5°	0.0	0.0	4.8	29.9	79.7	158.8	307.1	303.3	53.3	11.0	12.4
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-SA2A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1	1912.1
2.5°	1897.0	1878.4	1839.4	1791.2	1754.4	1713.7	1681.4	1640.5	1622.7	1623.6	1613.9
5°	1854.5	1816.3	1729.9	1620.9	1536.9	1450.2	1375.7	1301.4	1257.5	1243.2	1229.8
7.5°	1793.7	1733.1	1595.3	1427.3	1285.2	1146.3	1025.5	919.2	851.9	819.0	806.9
10°	1725.0	1640.0	1440.5	1219.3	1016.3	828.5	671.8	535.6	481.3	444.4	435.0
12.5°	1664.7	1549.5	1289.3	1005.8	764.9	538.3	388.9	304.1	267.3	252.7	250.3
15°	1607.9	1465.0	1143.6	812.6	529.7	331.3	247.4	218.6	209.9	207.5	207.5
17.5°	1554.4	1384.5	1001.3	622.3	350.4	232.3	204.8	198.4	195.7	195.4	195.7
20°	1498.4	1304.1	861.3	456.0	244.7	196.8	189.2	185.7	184.9	184.9	184.9
22.5°	1444.8	1223.6	725.1	325.7	196.2	179.5	175.8	173.3	172.5	172.3	171.7
25°	1393.4	1147.1	592.1	230.1	172.3	164.5	161.2	158.0	155.6	154.2	153.4
27.5°	1351.2	1079.1	468.3	184.6	155.6	148.8	144.8	140.0	134.0	131.3	130.3
30°	1317.5	1016.9	360.9	155.8	140.0	133.2	127.0	118.7	110.1	105.5	105.2
32.5°	1291.1	955.8	274.0	137.8	126.0	117.6	108.7	98.2	88.3	83.2	82.9
35°	1278.2	901.9	209.4	124.6	113.6	103.1	92.1	80.5	70.8	65.9	65.4
37.5°	1286.8	856.5	163.4	113.6	103.1	91.0	78.1	65.9	57.3	53.0	52.8
40°	1318.3	827.4	132.7	104.2	94.2	79.4	65.4	54.1	46.8	43.3	43.1
42.5°	1385.4	816.6	113.3	96.4	85.6	68.6	54.4	44.7	38.0	35.5	35.0
45°	1497.3	832.5	100.1	88.8	76.7	58.4	44.9	36.6	30.7	28.8	28.5
47.5°	1646.4	874.2	90.7	81.6	68.6	49.3	37.4	29.6	25.0	23.1	22.9
50°	1838.6	940.4	82.9	74.3	61.1	41.7	31.0	23.4	19.4	18.0	18.0
52.5°	2047.7	1019.3	75.9	67.6	53.6	34.7	25.0	18.0	15.3	13.7	13.7
55°	2220.5	1088.2	68.4	62.4	44.4	28.8	19.1	13.7	11.3	10.5	10.5
57.5°	2393.1	1161.7	59.8	53.6	35.5	23.4	14.5	10.2	8.3	7.8	7.8
60°	2616.7	1251.6	51.4	43.6	28.0	17.8	10.8	7.3	6.2	5.9	5.9
62.5°	2862.8	1304.3	43.9	35.0	21.8	13.2	7.8	4.8	4.6	4.6	4.3
65°	3013.2	1229.8	36.9	28.0	17.0	10.0	5.1	3.5	4.0	3.8	3.2
67.5°	2821.3	962.8	30.1	21.8	13.2	7.5	3.2	2.4	4.3	3.5	2.7
70°	2336.0	674.0	23.4	15.3	10.5	6.5	2.2	1.6	4.6	3.5	2.2
72.5°	1748.2	451.1	18.6	10.2	7.8	5.7	1.9	0.8	4.0	3.0	1.9
75°	955.2	181.7	14.8	6.5	4.8	4.0	1.3	0.5	2.7	2.2	1.3
77.5°	251.4	47.9	10.8	4.3	2.7	1.6	0.8	0.3	1.3	1.1	0.5
80°	64.1	18.6	7.0	3.0	1.9	0.8	0.0	0.0	0.3	0.0	0.0
82.5°	34.2	7.8	4.3	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.8	5.1	2.4	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	1.6	0.8	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 $\text{W}^\wedge/\text{nm}$	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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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 $\text{W}^{\wedge}/\text{nm}$	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)