

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: P321757

Luminaire Tested: **GLEON-SA3B-830-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321757
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-SA3B-830-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA 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: 10663 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

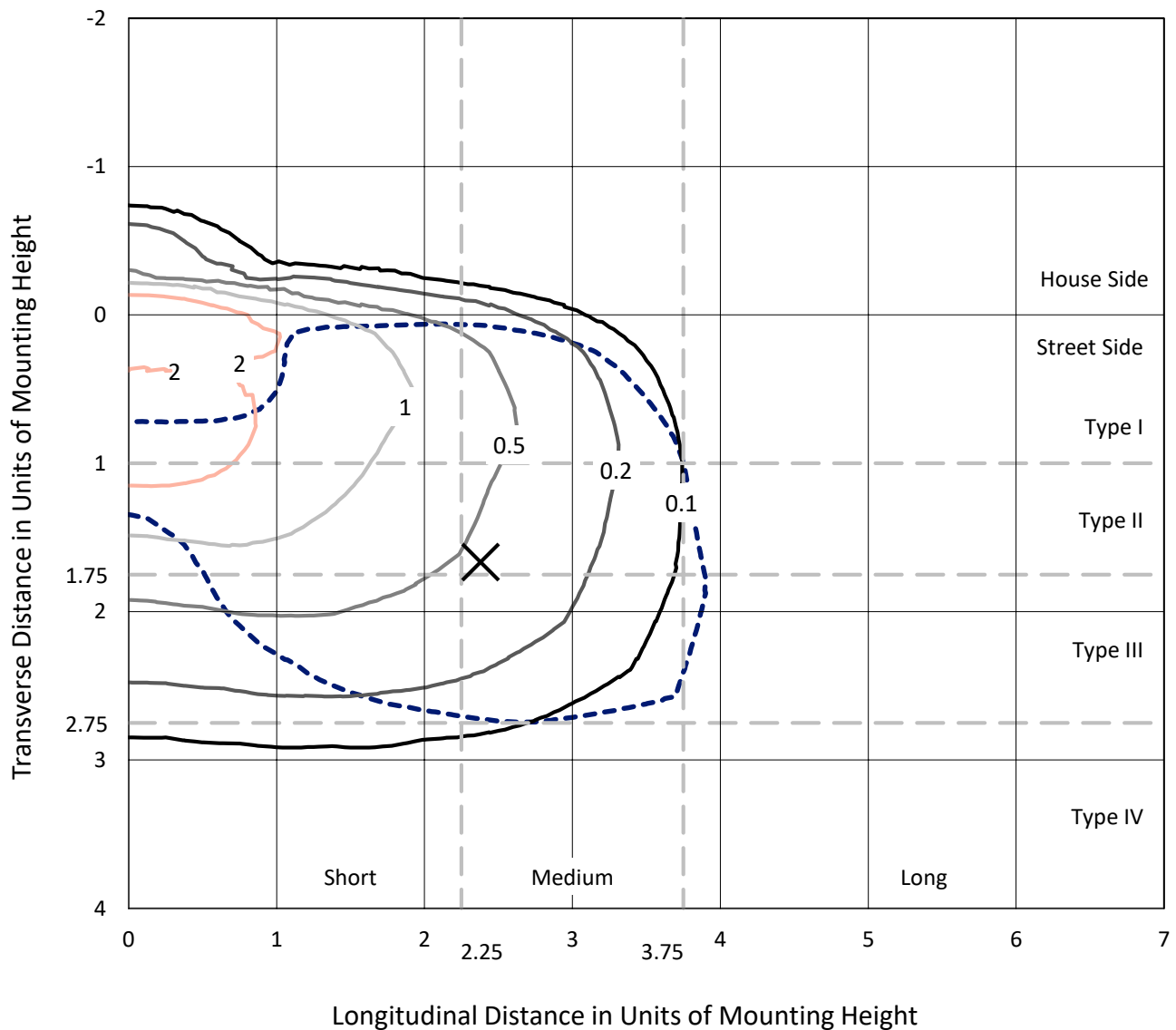
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321757
 CATALOG NUMBER: GLEON-SA3B-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

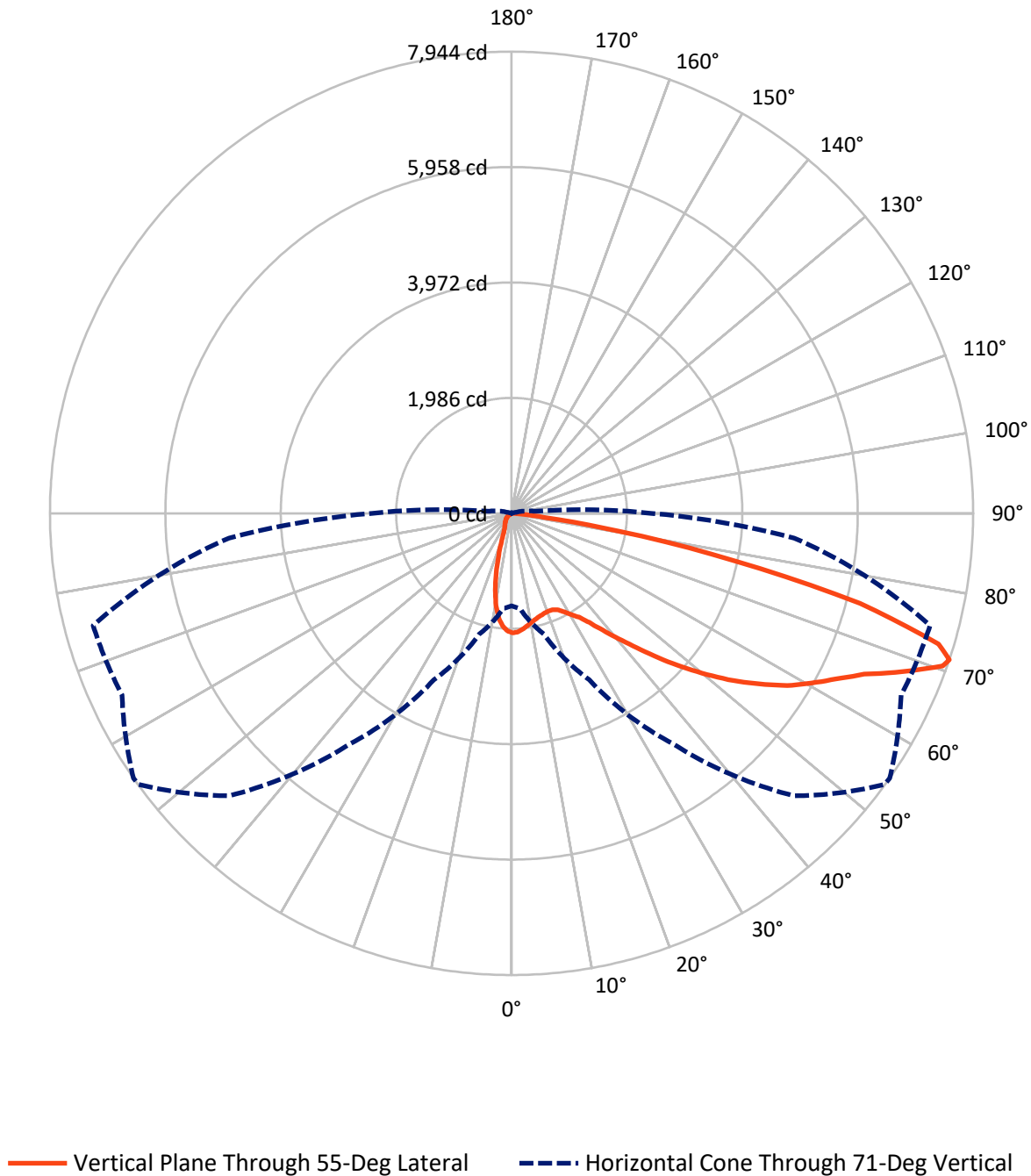
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P321757
CATALOG NUMBER: GLEON-SA3B-830-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P321757

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	844.2	0.0	844.2
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	9818.8	0.0	9818.8
	% Fixture	92.1	0.0	92.1
Total	Lumens	10663.0	0.0	10663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	1.6
10°-20°	395.8	3.7
20°-30°	636.1	6.0
30°-40°	1080.8	10.1
40°-50°	1677.5	15.7
50°-60°	2255.4	21.2
60°-70°	2759.1	25.9
70°-80°	1613.2	15.1
80°-90°	69.7	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°	10663.0	100.0
0°-180°	10663.0	100.0

Coefficient of Utilization



REPORT NUMBER: P321757

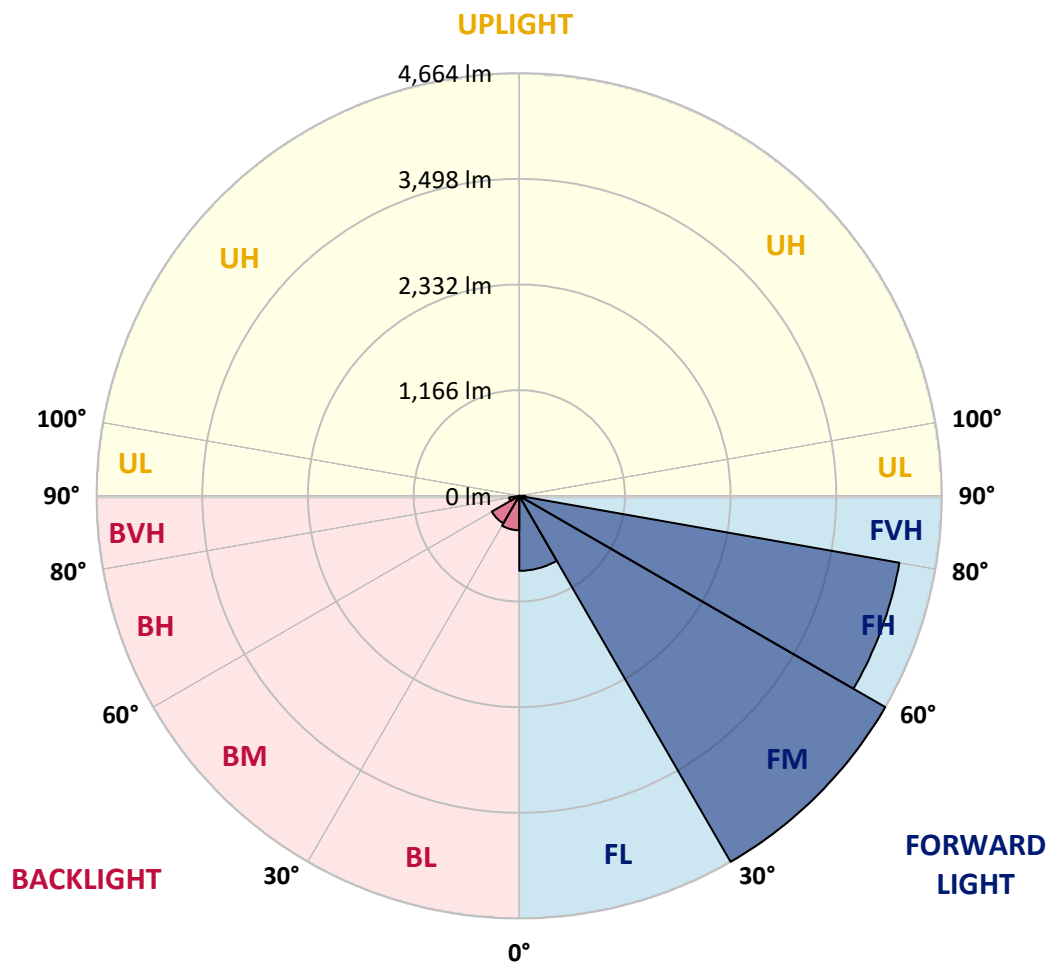
CATALOG NUMBER: GLEON-SA3B-830-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	827.3	7.8			
FM	(30°-60°)	4663.7	43.7			
FH	(60°-80°)	4259.2	39.9			G2/5000
FVH	(80°-90°)	68.6	0.6			G1/100
BL	(0°-30°)	380.0	3.6	B1/500		
BM	(30°-60°)	350.0	3.3	B1/1000		
BH	(60°-80°)	113.1	1.1	B1/500		G1/500
BVH	(80°-90°)	1.1	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





REPORT NUMBER: P321757

CATALOG NUMBER: GLEON-SA3B-830-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4
2.5°	1996.1	1998.5	2007.1	2010.9	2020.0	2035.3	2043.0	2043.5	2055.9	2060.7	2064.5
5°	1854.8	1869.2	1883.6	1898.9	1926.6	1963.5	1999.9	2003.3	2043.5	2073.2	2089.0
7.5°	1733.2	1746.1	1763.4	1787.8	1827.1	1885.0	1945.8	1953.0	2029.1	2096.6	2132.0
10°	1608.3	1618.8	1643.7	1679.6	1733.7	1811.3	1893.1	1905.1	2016.2	2128.2	2190.5
12.5°	1474.7	1480.9	1511.1	1562.8	1642.2	1740.9	1848.6	1864.4	2008.0	2164.6	2259.4
15°	1373.2	1376.0	1404.8	1458.4	1549.4	1677.7	1814.1	1833.3	2010.0	2208.2	2334.6
17.5°	1347.3	1348.7	1364.1	1400.9	1481.4	1621.2	1786.8	1810.3	2015.7	2250.8	2410.2
20°	1452.2	1442.1	1426.3	1420.6	1455.0	1587.2	1770.6	1796.9	2023.4	2288.6	2478.2
22.5°	1739.9	1710.2	1644.6	1557.0	1503.9	1589.6	1774.9	1801.2	2047.8	2335.1	2556.7
25°	2167.0	2125.8	2014.3	1841.9	1676.2	1658.5	1810.8	1837.6	2095.2	2390.6	2631.9
27.5°	2653.0	2612.3	2475.8	2229.7	1947.2	1795.0	1893.1	1918.0	2165.6	2439.9	2689.4
30°	3118.4	3106.9	2946.0	2666.4	2288.1	2016.2	1999.4	2020.5	2217.7	2469.6	2734.8
32.5°	3512.9	3494.7	3365.4	3093.5	2678.3	2281.9	2124.4	2130.6	2257.0	2507.9	2794.2
35°	3878.7	3856.2	3742.7	3485.6	3078.6	2606.5	2316.9	2307.8	2342.7	2585.0	2880.4
37.5°	4198.0	4218.6	4092.7	3848.0	3437.7	2944.1	2576.4	2549.1	2476.8	2710.4	3005.4
40°	4465.2	4465.2	4399.6	4195.6	3825.5	3293.1	2869.9	2834.0	2678.3	2903.9	3163.8
42.5°	4561.4	4582.0	4606.4	4491.0	4172.6	3656.0	3196.9	3159.5	2962.3	3178.2	3364.0
45°	4567.2	4599.7	4724.7	4724.2	4486.3	4016.6	3565.5	3547.8	3326.1	3530.6	3612.0
47.5°	4486.3	4526.9	4732.8	4849.7	4734.7	4352.2	3968.7	3946.7	3753.7	3962.5	3871.5
50°	4361.3	4406.3	4645.7	4899.0	4903.8	4644.3	4393.4	4360.3	4224.4	4456.1	4139.6
52.5°	4137.7	4224.8	4567.6	4910.5	5014.8	4896.6	4797.5	4783.1	4751.0	4931.5	4353.1
55°	3659.4	3756.1	4371.8	4914.3	5117.8	5120.2	5176.2	5180.0	5244.7	5375.8	4512.1
57.5°	3433.4	3488.0	4030.0	4932.5	5270.5	5373.9	5562.1	5591.8	5691.8	5797.7	4693.6
60°	3291.2	3355.8	3861.4	4907.6	5510.4	5706.7	5919.7	5929.8	6037.0	6232.9	4939.2
62.5°	3177.7	3241.4	3755.1	4811.8	5779.9	6107.0	6269.3	6270.2	6350.7	6751.4	5218.3
65°	2897.6	2951.3	3540.2	4704.1	5958.0	6502.9	6675.3	6669.0	6734.6	7298.2	5542.5
67.5°	2492.6	2533.8	3101.1	4295.7	5891.0	6863.0	7288.1	7267.5	7188.1	7770.7	5669.8
70°	1927.1	1942.0	2444.2	3579.9	5262.8	7001.3	7880.4	7869.9	7466.2	7686.0	5203.0
71°	1592.9	1641.8	2154.1	3159.5	4842.0	6873.5	7937.8	7944.1	7396.3	7455.2	4881.7
72.5°	925.0	966.7	1561.3	2426.5	4110.9	6340.1	7640.0	7685.0	7069.8	6781.1	4169.8
75°	198.2	212.1	578.9	1174.5	2261.3	4443.6	6030.3	6190.7	5762.2	4613.1	2513.2
77.5°	137.9	148.9	248.0	532.9	747.4	2195.7	3746.0	3927.0	3442.5	1733.7	804.4
80°	109.2	121.6	193.4	263.3	202.0	708.1	1754.8	1865.4	1148.1	386.9	135.5
82.5°	60.8	72.3	150.8	142.2	77.6	134.5	491.2	555.4	229.8	78.0	32.1
85°	17.7	21.5	97.2	103.4	33.0	25.9	83.8	103.9	43.6	20.6	14.4
87.5°	0.0	0.0	46.9	39.7	9.6	3.8	7.7	8.6	8.6	8.6	9.6
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: P321757

CATALOG NUMBER: GLEON-SA3B-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4	2056.4
2.5°	2064.5	2067.9	2055.9	2040.1	2023.4	2002.8	1981.2	1964.5	1964.0	1955.9	1947.7
5°	2089.9	2088.0	2055.0	2004.7	1945.3	1883.6	1824.7	1758.1	1736.1	1708.8	1699.7
7.5°	2136.8	2123.4	2053.5	1943.4	1813.2	1683.9	1550.3	1415.8	1358.3	1306.6	1297.5
10°	2195.7	2170.3	2044.4	1851.5	1612.6	1374.1	1172.6	989.7	909.2	847.5	844.6
12.5°	2257.0	2218.2	2019.1	1712.6	1349.7	1014.6	782.3	602.3	535.3	492.2	496.0
15°	2321.2	2263.2	1964.5	1525.4	1050.5	688.5	480.7	374.9	348.1	337.1	339.9
17.5°	2386.8	2294.4	1888.3	1299.9	755.0	444.3	332.8	303.1	303.1	305.5	306.4
20°	2443.7	2311.1	1776.3	1047.1	511.8	323.7	291.1	286.8	289.2	293.0	293.5
22.5°	2500.2	2312.1	1630.3	791.0	358.1	283.4	277.2	275.3	276.7	281.0	281.5
25°	2546.2	2300.6	1447.4	562.6	285.8	267.2	264.3	263.3	264.3	269.6	269.6
27.5°	2564.9	2258.9	1224.3	395.5	256.2	249.0	248.0	249.0	250.4	254.2	254.7
30°	2566.8	2186.1	981.0	286.3	232.2	224.6	226.5	229.8	228.4	227.4	228.4
32.5°	2571.6	2101.9	744.0	235.6	212.1	200.1	197.7	197.7	192.0	188.6	186.7
35°	2587.4	2002.8	539.6	211.6	191.5	177.6	168.5	158.0	147.0	141.2	139.8
37.5°	2612.3	1898.9	386.4	195.8	173.3	157.5	140.3	121.6	105.8	101.5	101.5
40°	2657.8	1791.6	285.8	183.4	159.0	139.3	113.5	89.1	74.7	72.3	72.3
42.5°	2729.6	1678.6	227.9	172.4	146.5	120.7	86.7	64.6	54.1	52.7	52.2
45°	2804.3	1554.1	199.2	161.8	133.1	99.1	64.2	47.9	41.7	40.2	40.2
47.5°	2879.0	1421.5	185.3	151.8	120.2	77.1	47.9	37.8	35.0	35.0	35.4
50°	2942.2	1283.2	175.2	140.8	103.4	58.4	37.8	32.1	31.1	33.0	33.5
52.5°	2958.0	1147.2	162.8	126.9	82.8	44.5	31.1	28.2	28.2	28.2	28.2
55°	2948.4	1041.8	146.5	109.6	61.3	35.4	26.8	24.9	24.4	24.4	24.4
57.5°	2980.9	979.6	117.3	85.2	44.0	28.7	23.5	22.0	21.1	20.6	20.6
60°	3046.5	938.9	83.8	61.3	33.0	23.9	20.1	18.7	17.2	16.3	16.3
62.5°	3133.7	903.5	62.2	45.5	25.4	19.2	16.8	15.3	13.4	12.4	12.4
65°	3200.7	840.3	47.4	34.0	19.2	15.3	12.9	12.4	9.6	8.6	8.1
67.5°	3098.2	701.4	38.3	24.9	14.4	12.0	10.1	9.6	5.7	4.8	4.8
70°	2657.3	488.4	30.6	18.2	10.5	9.6	8.1	6.2	4.3	3.8	3.8
71°	2409.7	407.9	27.8	15.3	9.1	9.1	7.7	5.3	3.8	3.4	3.4
72.5°	2001.8	289.7	23.5	12.0	8.1	9.6	8.1	4.8	3.8	3.4	2.9
75°	1162.0	121.1	16.3	8.1	6.2	11.5	10.5	4.3	2.9	2.4	2.4
77.5°	349.5	44.5	9.1	5.3	4.8	10.1	12.0	3.8	1.4	0.5	0.5
80°	63.7	19.2	5.7	3.4	3.4	6.2	9.1	1.9	0.0	0.0	0.0
82.5°	22.5	9.6	3.4	1.9	1.4	2.9	4.3	0.0	0.0	0.0	0.0
85°	12.9	6.7	1.9	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0
87.5°	8.6	1.9	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
 Rf: 81.5
 Rg: 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

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

TM-30-18

Summary

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



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)