

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: P322395

Luminaire Tested: **GLEON-SA1B-830-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA1B-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3465 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

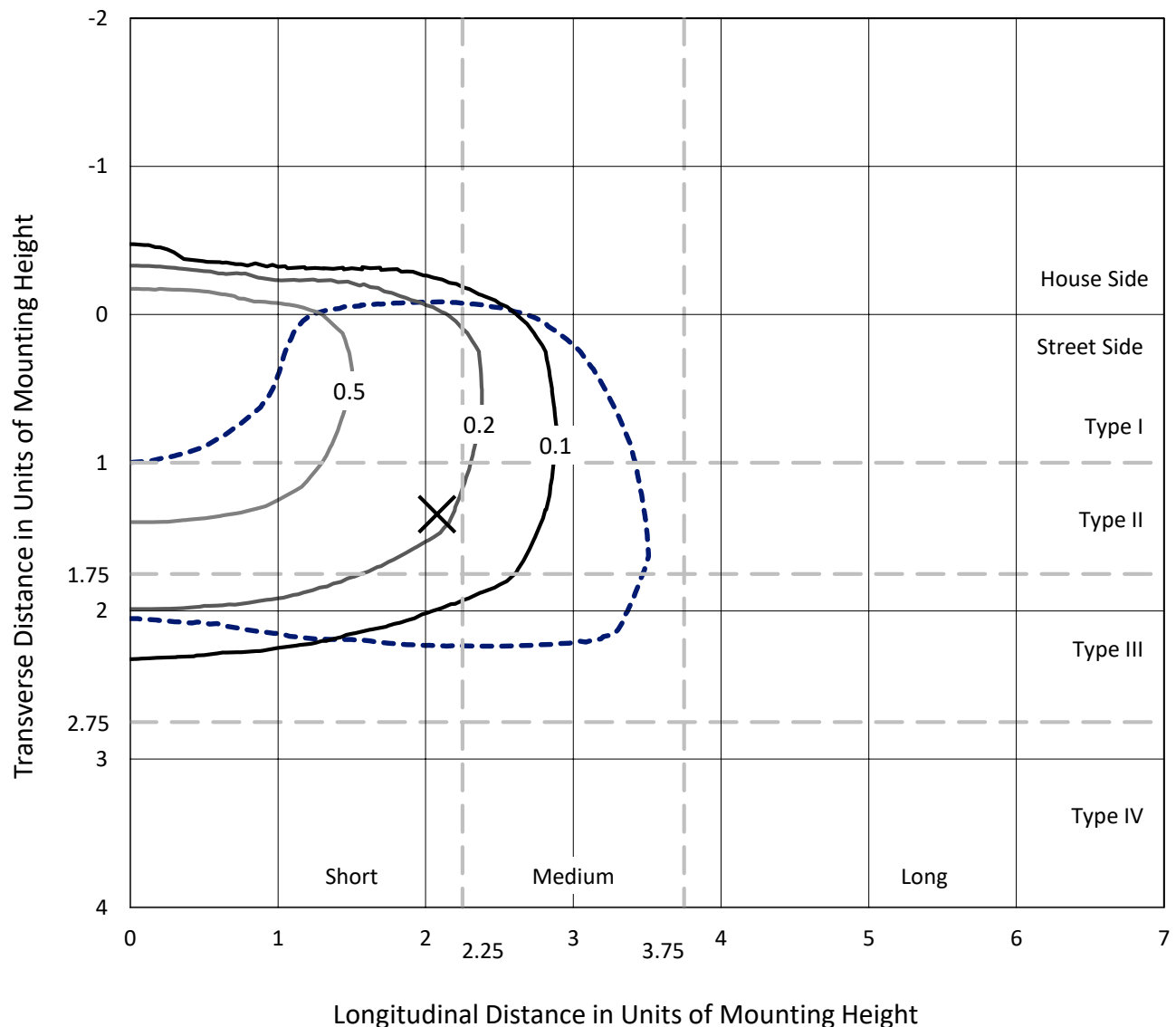
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322395
 CATALOG NUMBER: GLEON-SA1B-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

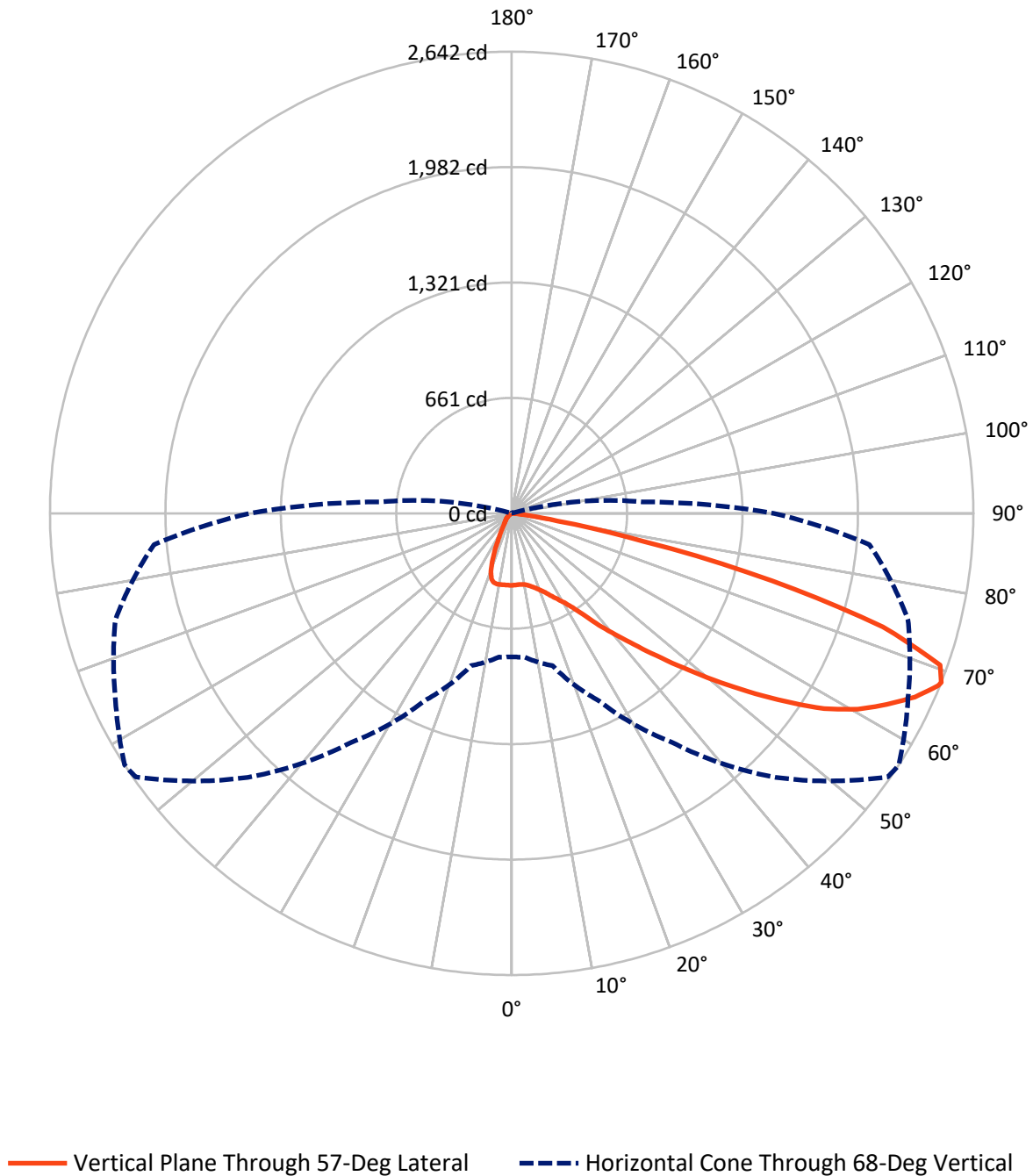
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

REPORT NUMBER: P322395
CATALOG NUMBER: GLEON-SA1B-830-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322395

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	380.0	0.0	380.0
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	3085.0	0.0	3085.0
	% Fixture	89.0	0.0	89.0
Total	Lumens	3465.0	0.0	3465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	1.1
10°-20°	106.8	3.1
20°-30°	184.2	5.3
30°-40°	317.9	9.2
40°-50°	543.8	15.7
50°-60°	870.0	25.1
60°-70°	1005.2	29.0
70°-80°	384.1	11.1
80°-90°	14.4	0.4
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°	3465.0	100.0
0°-180°	3465.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322395

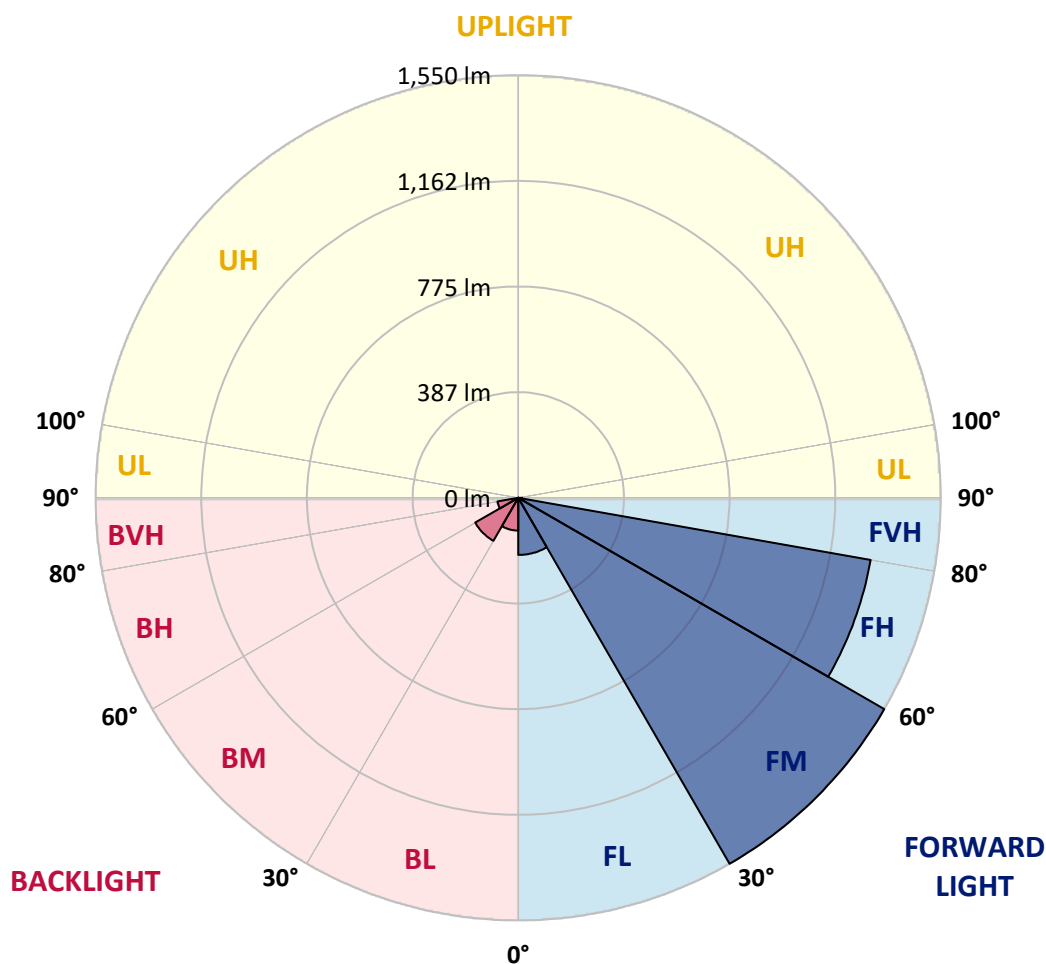
CATALOG NUMBER: GLEON-SA1B-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.4	6.0			
FM	(30°-60°)	1549.5	44.7			
FH	(60°-80°)	1312.0	37.9			G1/1800
FVH	(80°-90°)	14.1	0.4			G1/100
BL	(0°-30°)	120.1	3.5	B1/500		
BM	(30°-60°)	182.2	5.3	B0/220		
BH	(60°-80°)	77.4	2.2	B0/110		G0/110
BVH	(80°-90°)	0.3	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 III Short





REPORT NUMBER: P322395

CATALOG NUMBER: GLEON-SA1B-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7
2.5°	402.1	403.9	405.2	406.0	407.0	409.1	409.8	410.8	411.2	411.2	412.4
5°	386.2	388.1	390.9	393.2	397.8	403.7	408.0	409.6	412.6	415.2	416.6
7.5°	371.4	373.7	377.0	382.4	390.3	399.8	408.6	410.9	416.6	422.2	425.0
10°	361.9	363.7	368.0	375.7	386.0	399.3	411.7	414.5	424.3	433.7	438.9
12.5°	358.6	360.3	364.7	373.4	386.2	401.7	418.9	423.0	437.5	451.1	458.4
15°	363.4	363.7	368.5	376.7	389.3	407.8	430.9	435.8	454.0	471.7	480.9
17.5°	381.8	380.3	382.7	386.3	396.3	415.8	443.5	450.9	475.1	495.9	504.6
20°	427.6	427.6	422.1	412.2	412.4	428.3	460.6	468.9	498.6	522.7	530.5
22.5°	506.1	504.6	493.5	469.4	447.3	449.7	481.4	492.2	526.7	552.5	555.1
25°	600.5	598.7	581.5	547.6	509.2	484.5	509.5	522.0	560.3	583.1	577.7
27.5°	700.4	698.9	681.9	639.8	585.2	539.9	543.1	554.9	594.6	617.0	599.8
30°	797.3	797.7	780.9	737.6	675.8	610.5	585.7	592.6	627.8	650.6	626.0
32.5°	889.3	890.0	875.4	827.1	769.4	692.6	644.7	642.9	666.5	689.0	660.8
35°	971.4	973.1	963.1	925.5	864.4	784.0	721.2	717.0	721.4	746.8	714.0
37.5°	1050.6	1051.5	1044.0	1012.4	961.3	884.4	817.9	811.8	802.3	821.8	784.3
40°	1137.2	1134.8	1126.1	1097.4	1053.5	995.3	921.8	911.3	894.7	912.1	876.7
42.5°	1217.8	1215.0	1216.5	1184.1	1147.1	1109.4	1042.9	1024.8	1015.2	1035.1	990.1
45°	1318.6	1317.1	1322.0	1293.9	1263.9	1236.5	1181.6	1162.0	1157.7	1181.1	1127.2
47.5°	1418.0	1421.7	1436.9	1424.9	1412.8	1388.7	1328.6	1319.7	1322.4	1350.7	1271.9
50°	1501.0	1505.2	1547.0	1560.8	1578.3	1564.2	1503.9	1498.5	1508.8	1534.4	1427.5
52.5°	1560.9	1569.6	1621.5	1684.9	1748.8	1758.3	1698.2	1693.3	1707.2	1711.2	1547.8
55°	1602.5	1610.2	1669.1	1785.1	1915.1	1956.1	1918.7	1899.7	1897.1	1858.3	1674.3
57.5°	1609.9	1609.1	1693.6	1849.8	2045.6	2151.2	2127.6	2109.0	2055.2	1994.3	1819.3
60°	1568.3	1573.0	1671.2	1872.2	2127.5	2298.9	2300.7	2276.4	2192.7	2126.5	1959.9
62.5°	1440.2	1459.5	1558.6	1813.4	2126.5	2358.3	2427.5	2409.0	2308.9	2234.8	2102.4
65°	1232.4	1239.3	1333.8	1611.9	1982.8	2333.4	2541.7	2534.8	2413.5	2340.0	2175.6
67.5°	900.0	885.1	984.4	1269.3	1678.7	2188.3	2623.6	2632.3	2494.3	2361.6	2097.7
68°	821.3	825.8	903.1	1184.6	1599.1	2137.0	2629.0	2642.3	2502.3	2347.5	2055.1
70°	489.6	498.1	567.1	815.6	1216.5	1846.8	2570.7	2601.0	2454.5	2202.2	1777.5
72.5°	125.0	135.2	200.4	365.0	694.9	1301.2	2170.1	2221.4	2131.1	1786.5	1200.0
75°	51.4	54.1	71.6	120.3	258.9	586.2	1430.3	1540.1	1477.4	1069.6	542.3
77.5°	35.6	37.4	46.0	66.7	112.1	198.7	701.2	780.5	703.2	365.0	118.3
80°	25.6	27.0	32.9	44.4	64.4	70.9	228.6	264.3	209.9	80.1	29.3
82.5°	15.2	16.4	24.6	31.6	39.2	33.9	56.9	64.6	60.8	39.8	13.1
85°	7.5	8.8	16.5	22.6	21.1	14.3	17.4	19.3	23.9	24.2	7.0
87.5°	0.5	1.0	9.7	13.6	5.9	3.3	5.1	6.2	8.5	12.0	2.9
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: P322395

CATALOG NUMBER: GLEON-SA1B-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7	411.7
2.5°	412.9	413.0	411.9	411.4	411.7	409.8	408.9	409.3	409.3	409.8	408.9
5°	417.0	417.0	415.0	412.4	410.9	407.1	404.7	404.0	403.5	403.2	402.6
7.5°	425.8	424.8	421.4	415.7	410.8	402.6	396.3	393.1	391.4	390.8	390.3
10°	440.1	438.3	432.5	421.9	410.6	396.0	382.4	372.7	364.7	361.4	359.5
12.5°	459.2	456.6	447.0	429.3	409.4	382.6	353.1	324.7	298.4	287.5	282.1
15°	481.4	477.6	462.4	435.5	402.7	352.3	288.2	238.6	202.0	188.3	182.4
17.5°	503.8	498.9	475.8	439.4	382.6	289.5	202.2	152.7	128.3	121.7	119.4
20°	526.4	519.2	487.4	436.5	337.0	208.7	133.4	111.6	104.5	102.6	101.9
22.5°	547.9	536.7	497.9	425.0	266.9	140.1	105.5	98.6	96.3	95.2	94.9
25°	566.6	551.0	507.1	389.6	188.9	105.8	95.0	92.7	89.8	87.7	87.8
27.5°	584.1	565.3	512.7	331.3	126.0	90.4	88.0	84.9	79.5	76.4	76.4
30°	605.2	584.3	516.8	254.9	92.7	80.0	78.0	73.2	65.9	61.8	61.8
32.5°	637.0	613.1	514.1	178.9	76.8	70.3	65.7	59.1	51.1	47.2	47.0
35°	685.7	657.7	495.5	117.3	67.8	61.1	53.7	45.7	38.7	35.4	35.2
37.5°	751.2	717.3	453.5	83.9	60.8	52.6	43.7	34.9	29.7	27.5	27.4
40°	836.2	786.6	393.5	68.0	54.2	44.4	33.8	27.0	23.4	21.8	22.0
42.5°	938.3	860.8	321.6	58.7	47.8	36.5	26.4	21.3	19.0	17.9	17.5
45°	1051.7	934.1	246.3	52.3	41.5	29.5	20.6	16.9	15.1	14.4	14.4
47.5°	1176.4	1005.3	180.2	46.7	34.6	22.8	16.5	13.8	12.3	11.8	11.6
50°	1289.6	1054.8	129.9	40.8	28.3	18.0	13.4	11.5	10.5	9.8	9.8
52.5°	1384.0	1070.4	95.7	34.4	22.9	14.4	11.1	9.8	8.8	8.4	8.4
55°	1467.0	1064.0	71.1	28.3	18.5	11.8	9.5	8.4	7.5	7.0	7.0
57.5°	1546.7	1043.3	53.1	23.1	14.9	9.5	8.0	7.0	6.2	5.9	5.9
60°	1611.7	1008.9	39.5	18.7	12.0	7.7	6.7	5.7	5.1	4.6	4.6
62.5°	1664.5	970.9	29.0	15.4	9.5	6.1	5.2	4.8	3.8	3.3	3.3
65°	1664.8	907.8	21.8	12.8	7.4	4.8	3.9	3.8	2.5	2.0	1.8
67.5°	1544.4	782.7	16.7	11.0	5.7	3.6	2.9	3.1	1.3	0.8	0.7
68°	1500.6	750.9	15.7	10.8	5.4	3.4	2.8	3.1	1.1	0.7	0.5
70°	1265.2	597.4	12.6	10.5	4.8	2.6	2.3	3.1	1.0	0.5	0.3
72.5°	809.2	346.7	9.3	8.4	3.6	2.0	1.5	2.8	1.0	0.3	0.2
75°	344.4	107.5	6.4	5.9	2.1	1.5	1.0	1.8	0.7	0.2	0.0
77.5°	72.6	24.2	3.8	3.6	1.5	1.0	0.7	0.5	0.2	0.0	0.0
80°	18.7	7.0	2.0	1.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0
82.5°	5.9	2.8	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	1.6	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.5	0.2	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

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

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



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)