

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P386501

Luminaire Tested: **GPC-SA2A-830-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GPC-SA2A-830-U-SL4
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7342 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

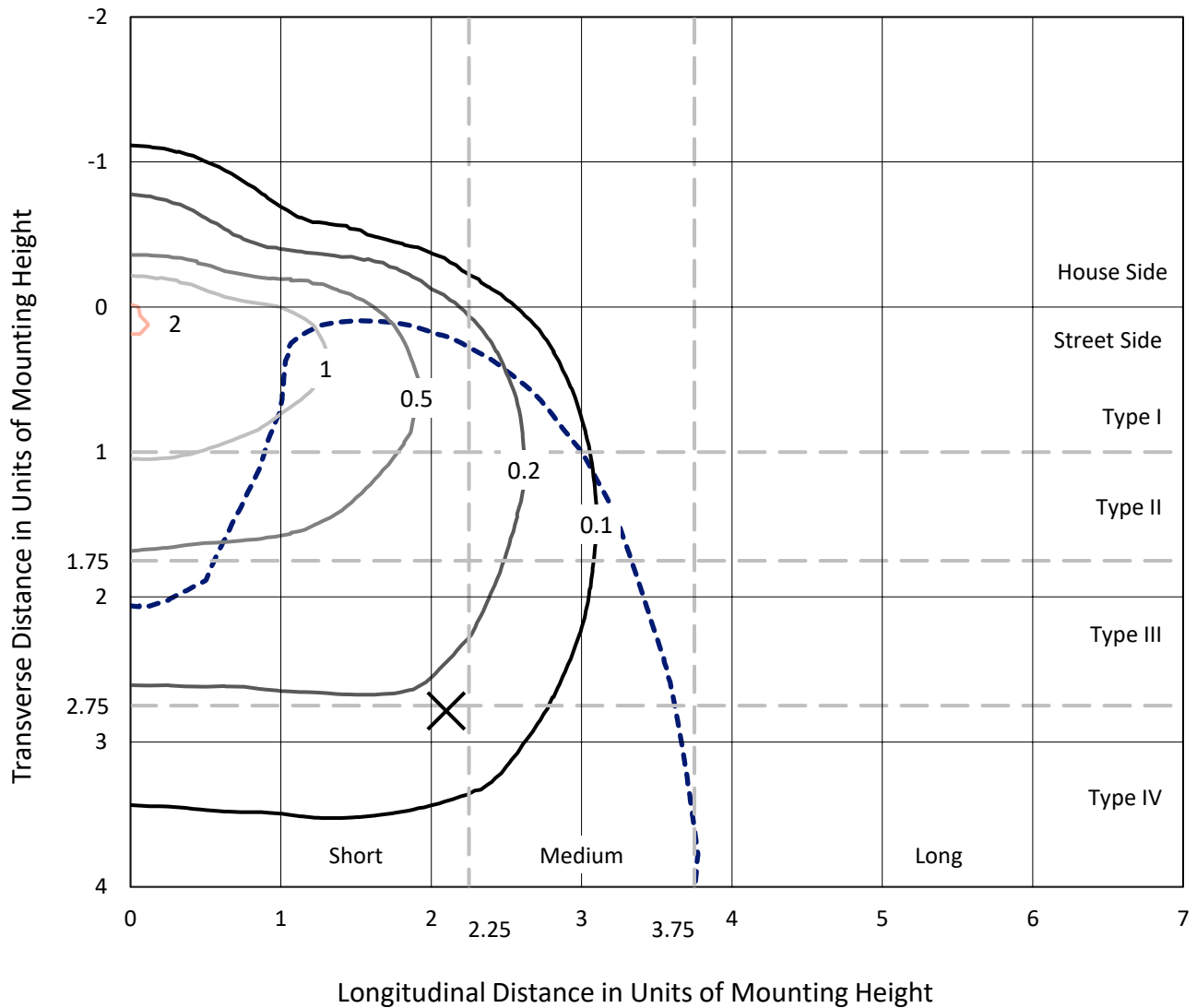
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

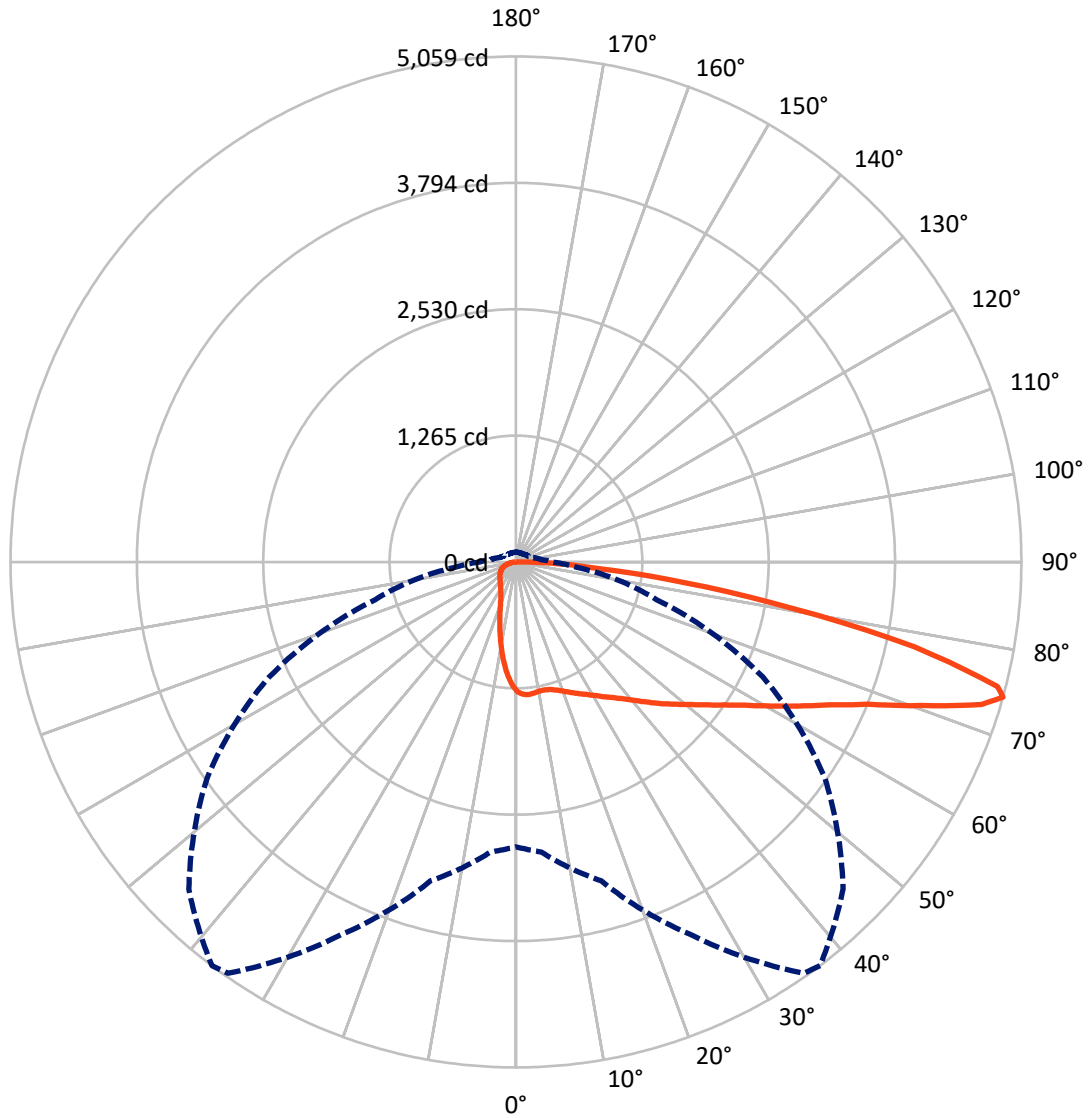
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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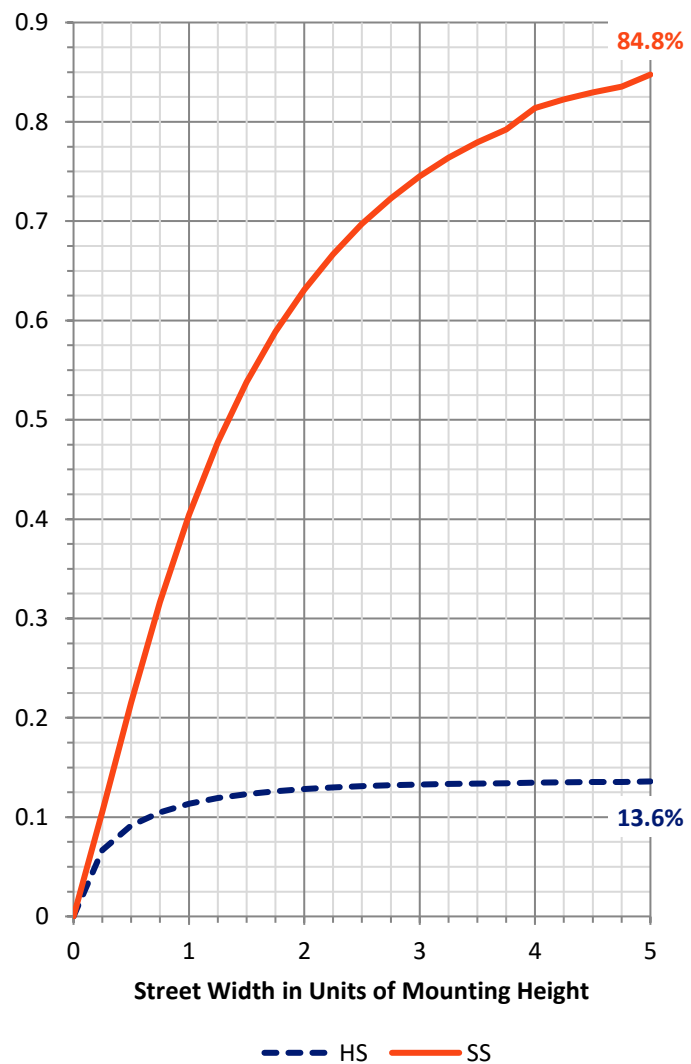
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1010.2	0.0	1010.2
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	6331.8	0.0	6331.8
	% Fixture	86.2	0.0	86.2
Total	Lumens	7342.0	0.0	7342.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	1.6
10°-20°	292.0	4.0
20°-30°	449.9	6.1
30°-40°	654.3	8.9
40°-50°	963.0	13.1
50°-60°	1352.3	18.4
60°-70°	1711.6	23.3
70°-80°	1507.1	20.5
80°-90°	298.0	4.1
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°	7342.0	100.0
0°-180°	7342.0	100.0

Coefficient of Utilization



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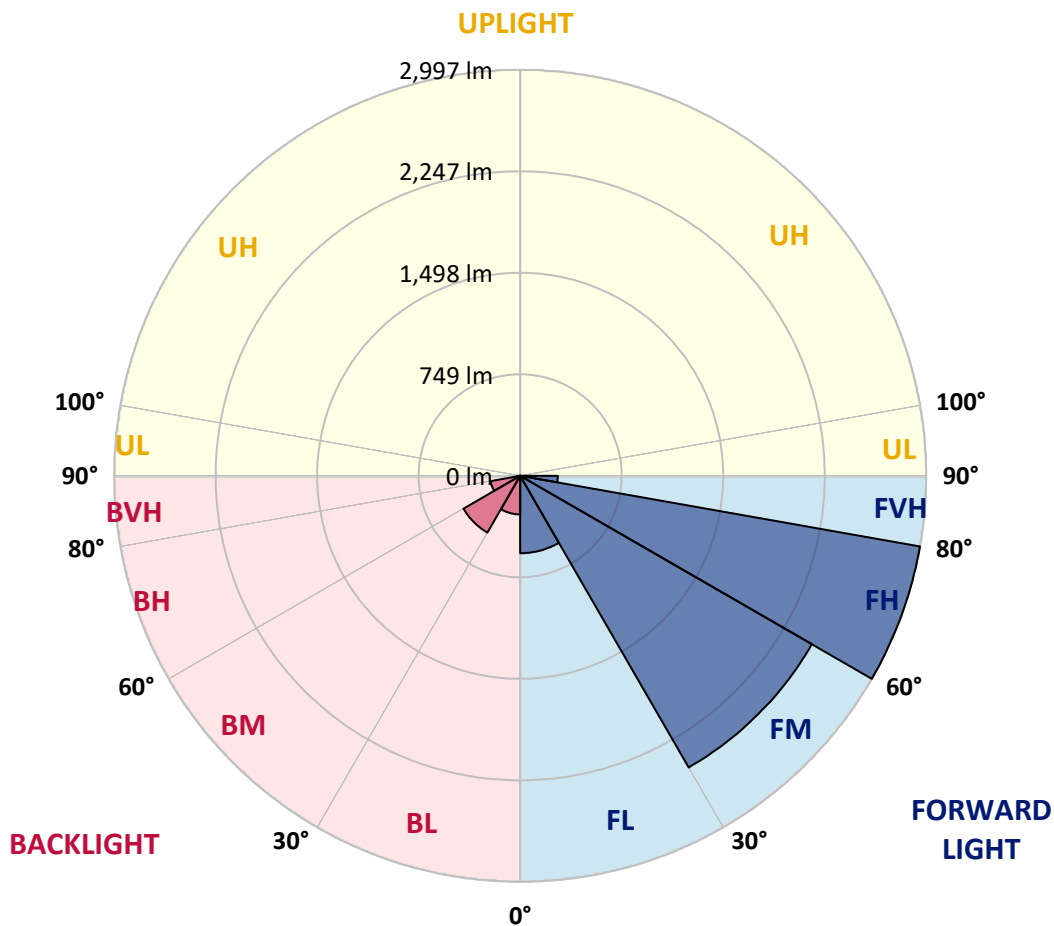
CATALOG NUMBER: GPC-SA2A-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.3	7.8			
FM (30°-60°)	2486.1	33.9			
FH (60°-80°)	2996.6	40.8			G2/5000
FVH (80°-90°)	277.8	3.8			G3/500
BL (0°-30°)	284.6	3.9	B1/500		
BM (30°-60°)	483.4	6.6	B1/1000		
BH (60°-80°)	222.1	3.0	B1/500		G1/500
BVH (80°-90°)	20.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1337.9	1338.1	1337.9	1335.8	1330.9	1326.7	1323.4	1318.5	1307.6	1299.3	1286.9
5°	1350.5	1349.0	1347.9	1344.1	1336.3	1331.6	1325.2	1315.9	1298.0	1281.5	1261.3
7.5°	1344.6	1342.8	1340.4	1335.8	1327.0	1323.1	1314.1	1301.9	1280.4	1258.7	1229.8
10°	1326.2	1325.7	1324.7	1323.6	1316.1	1313.0	1304.8	1291.8	1270.6	1244.2	1210.4
12.5°	1305.8	1307.1	1311.2	1316.6	1313.3	1311.7	1306.6	1297.8	1276.0	1247.6	1206.7
15°	1292.9	1296.5	1307.6	1321.8	1324.7	1324.1	1322.9	1317.2	1294.1	1262.6	1215.0
17.5°	1288.5	1294.4	1315.6	1339.1	1347.4	1349.2	1349.8	1339.9	1314.3	1281.0	1223.5
20°	1296.5	1304.0	1335.0	1367.3	1380.5	1381.6	1379.2	1362.2	1333.5	1296.7	1228.2
22.5°	1320.8	1327.5	1366.3	1402.8	1417.8	1419.3	1412.3	1386.5	1353.6	1315.4	1234.7
25°	1367.6	1375.9	1414.7	1451.1	1458.9	1459.2	1449.1	1417.0	1380.0	1341.5	1248.6
27.5°	1428.6	1436.9	1471.8	1507.5	1503.4	1501.0	1487.3	1455.3	1414.4	1377.4	1273.5
30°	1496.7	1505.7	1538.8	1564.2	1554.3	1549.7	1538.5	1497.2	1462.3	1426.6	1311.5
32.5°	1567.0	1575.3	1604.2	1621.6	1609.2	1607.1	1590.3	1552.5	1524.6	1501.6	1373.0
35°	1639.2	1645.1	1673.5	1683.4	1666.8	1666.3	1661.7	1627.0	1609.4	1620.3	1462.5
37.5°	1712.9	1714.4	1738.7	1739.2	1734.3	1736.4	1741.3	1719.6	1724.5	1758.4	1578.9
40°	1778.5	1782.7	1800.3	1805.7	1814.2	1821.5	1846.1	1831.8	1869.8	1929.8	1723.7
42.5°	1827.2	1835.2	1863.4	1877.3	1905.0	1916.4	1951.1	1964.2	2040.8	2130.8	1896.0
45°	1868.3	1880.7	1926.0	1954.7	2001.5	2021.4	2071.1	2115.3	2234.0	2348.8	2077.3
47.5°	1912.8	1928.6	1985.2	2040.0	2103.6	2126.1	2216.4	2282.6	2440.1	2568.1	2248.2
50°	1978.2	1990.4	2045.7	2131.8	2211.2	2240.2	2365.1	2460.0	2649.6	2777.1	2396.4
52.5°	2069.5	2064.8	2111.7	2232.4	2339.0	2374.7	2523.9	2648.8	2861.9	2966.1	2521.6
55°	2161.3	2153.6	2186.4	2337.7	2488.0	2525.5	2698.7	2838.4	3063.9	3136.3	2617.5
57.5°	2263.5	2248.7	2276.4	2456.4	2657.6	2702.4	2894.5	3039.9	3262.5	3273.9	2678.6
60°	2368.7	2348.8	2379.8	2603.6	2873.0	2925.8	3123.6	3236.4	3449.8	3384.1	2698.2
62.5°	2460.8	2446.8	2494.7	2767.8	3115.9	3173.8	3348.6	3445.4	3634.4	3429.9	2627.4
65°	2541.2	2543.6	2626.3	2952.4	3386.7	3448.5	3606.8	3703.0	3779.8	3402.7	2461.6
67.5°	2637.2	2650.4	2791.6	3195.5	3727.5	3795.3	3982.3	3983.8	3861.0	3243.4	2135.2
70°	2777.1	2804.2	3018.9	3532.8	4212.2	4305.3	4449.6	4148.8	3746.9	2811.5	1680.0
72.5°	2901.2	2951.9	3260.7	3918.7	4802.9	4873.5	4723.0	4053.7	3270.3	2107.0	1046.6
74°	2850.8	2913.6	3304.7	4108.7	5025.3	5059.2	4630.6	3775.9	2726.7	1459.2	608.3
75°	2742.2	2810.5	3240.5	4106.9	4997.1	4978.2	4407.7	3458.6	2245.6	995.2	404.7
77.5°	2213.0	2285.2	2730.5	3519.9	4097.4	4079.5	3385.9	2320.1	983.5	326.4	205.6
80°	1286.6	1341.7	1695.0	2235.3	2762.9	2795.2	2226.7	1148.0	386.9	183.4	139.4
82.5°	571.6	609.6	818.8	1141.0	1667.3	1709.0	1166.1	601.6	239.0	111.5	83.8
85°	375.0	403.2	497.1	543.4	794.0	822.4	570.8	468.4	157.8	61.3	61.6
87.5°	269.7	296.9	369.3	322.5	364.4	345.0	310.6	433.5	63.4	34.9	20.7
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: GPC-SA2A-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1281.5	1277.3	1268.0	1250.4	1240.6	1232.3	1218.6	1210.6	1207.0	1206.7	1208.3
5°	1249.7	1240.1	1216.0	1186.6	1163.0	1141.6	1114.9	1098.9	1087.5	1080.8	1082.6
7.5°	1212.7	1197.7	1159.9	1112.9	1075.1	1033.5	992.3	967.8	948.6	934.4	937.0
10°	1187.3	1166.6	1111.6	1043.8	981.0	920.4	863.8	829.9	803.0	782.3	783.9
12.5°	1178.8	1150.9	1074.6	984.1	895.9	813.1	739.1	687.2	659.5	636.0	637.8
15°	1180.1	1142.6	1043.5	930.3	819.3	715.1	625.4	564.6	527.1	510.8	511.0
17.5°	1181.1	1133.0	1011.0	872.6	743.5	623.5	526.0	464.5	429.1	414.1	414.3
20°	1177.8	1117.5	970.6	806.4	664.4	539.5	445.1	392.8	366.0	354.3	354.3
22.5°	1173.4	1099.1	925.1	739.9	586.3	466.6	387.2	347.3	331.8	324.1	323.8
25°	1175.4	1085.4	878.5	671.6	514.4	408.4	348.6	322.2	311.9	307.0	306.7
27.5°	1186.6	1079.0	835.6	603.6	451.6	364.7	322.8	304.1	297.4	294.3	294.3
30°	1206.7	1079.0	790.9	545.7	399.3	332.3	302.8	290.2	285.5	283.5	283.5
32.5°	1241.9	1084.9	747.7	488.3	357.7	307.0	286.3	277.8	274.1	273.1	273.1
35°	1302.4	1105.1	705.5	434.0	324.1	286.3	270.5	265.6	263.0	262.8	263.5
37.5°	1387.5	1146.2	666.0	393.9	300.3	269.5	257.3	253.5	251.9	253.2	254.2
40°	1494.6	1202.1	630.0	357.7	282.2	256.0	245.2	242.6	241.8	243.6	245.2
42.5°	1623.9	1277.6	600.5	331.6	268.2	244.7	234.8	231.7	231.0	233.0	235.1
45°	1763.8	1358.8	579.8	312.2	257.3	236.1	225.8	222.4	220.9	221.9	224.2
47.5°	1891.1	1435.6	571.6	298.5	247.0	228.9	217.8	213.6	211.0	210.5	212.3
50°	1998.4	1492.8	575.4	290.2	238.7	220.9	210.0	205.3	201.5	199.1	200.4
52.5°	2076.5	1528.7	579.1	286.6	232.2	212.1	201.5	197.1	191.9	188.0	188.0
55°	2133.1	1537.0	571.0	283.7	227.3	202.5	191.9	187.8	182.6	178.2	177.7
57.5°	2155.4	1513.7	541.3	279.6	224.0	193.4	181.8	178.7	174.3	169.1	168.9
60°	2125.4	1441.8	483.9	270.8	219.6	185.9	171.7	169.7	167.6	162.7	162.4
62.5°	2004.8	1284.1	409.7	252.9	210.8	177.9	162.4	163.4	163.7	160.3	159.8
65°	1786.3	1067.3	337.2	229.7	197.6	168.4	152.8	157.8	160.6	160.1	159.3
67.5°	1468.7	830.7	285.8	205.1	180.3	155.2	142.5	148.2	150.5	152.3	151.8
70°	1090.1	585.8	236.4	179.2	159.3	139.7	129.1	131.9	130.3	132.4	133.2
72.5°	607.8	351.5	192.7	153.4	137.6	121.6	114.1	113.5	110.2	110.2	110.2
74°	364.7	257.8	169.4	137.3	124.4	109.7	103.2	100.9	97.8	98.0	97.8
75°	293.3	221.6	155.4	126.7	115.1	102.7	96.2	93.1	90.8	90.8	90.5
77.5°	185.2	168.4	125.2	100.9	92.1	84.6	80.2	76.0	76.0	75.8	75.5
80°	139.9	134.0	97.5	76.3	70.6	64.9	62.1	60.3	60.3	61.0	60.8
82.5°	95.9	100.9	68.5	53.3	50.4	46.3	45.8	46.0	45.3	44.2	44.0
85°	70.1	75.8	46.3	33.6	30.8	28.2	30.3	31.3	30.0	27.7	26.6
87.5°	26.9	49.7	24.8	14.0	12.9	11.1	12.9	13.4	14.5	11.4	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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



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 [^] /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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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 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			

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)