

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: P527389

Luminaire Tested: **GALN-SA2B-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5457 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 82
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



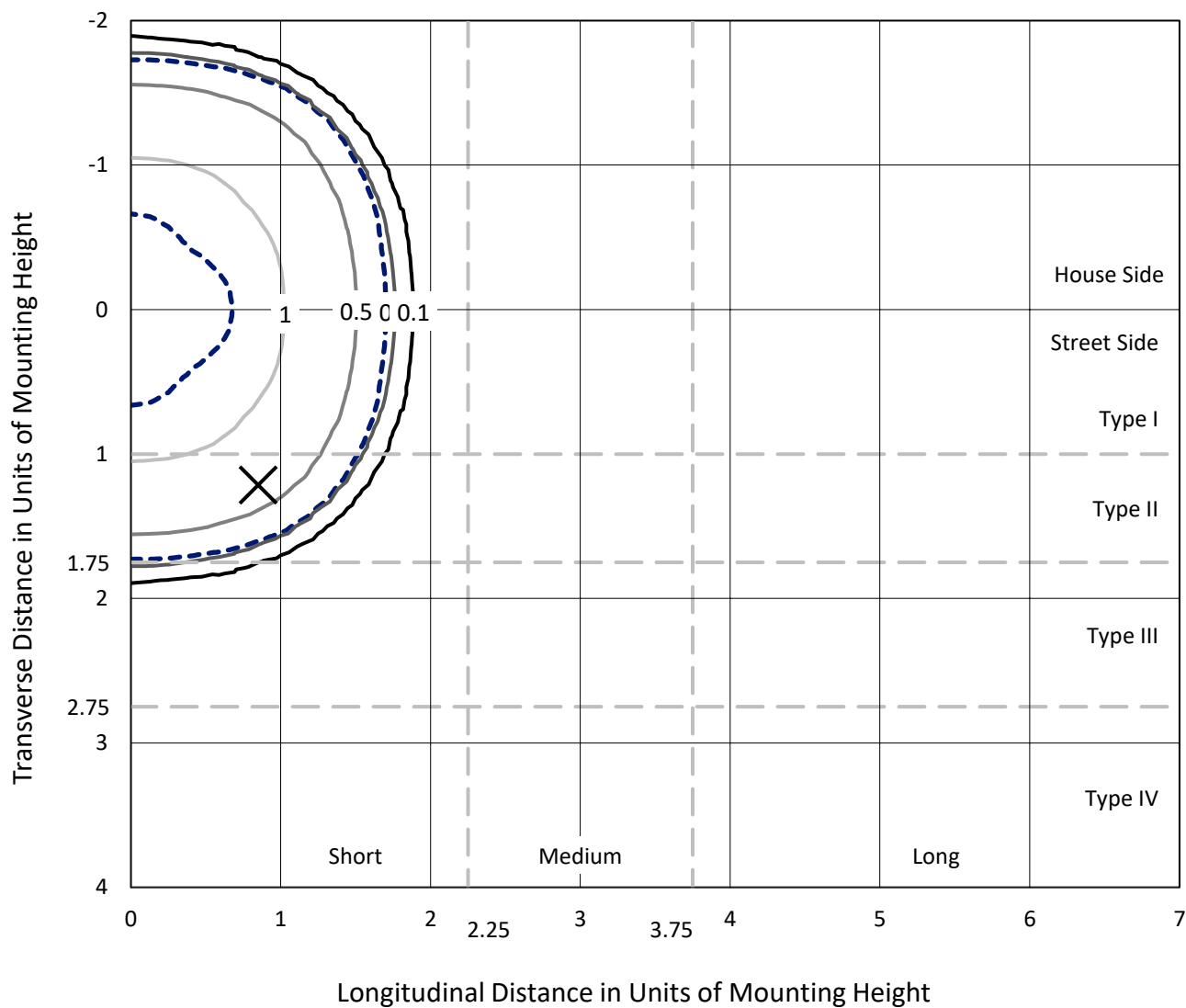
REPORT NUMBER: P527389

CATALOG NUMBER: GALN-SA2B-830-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

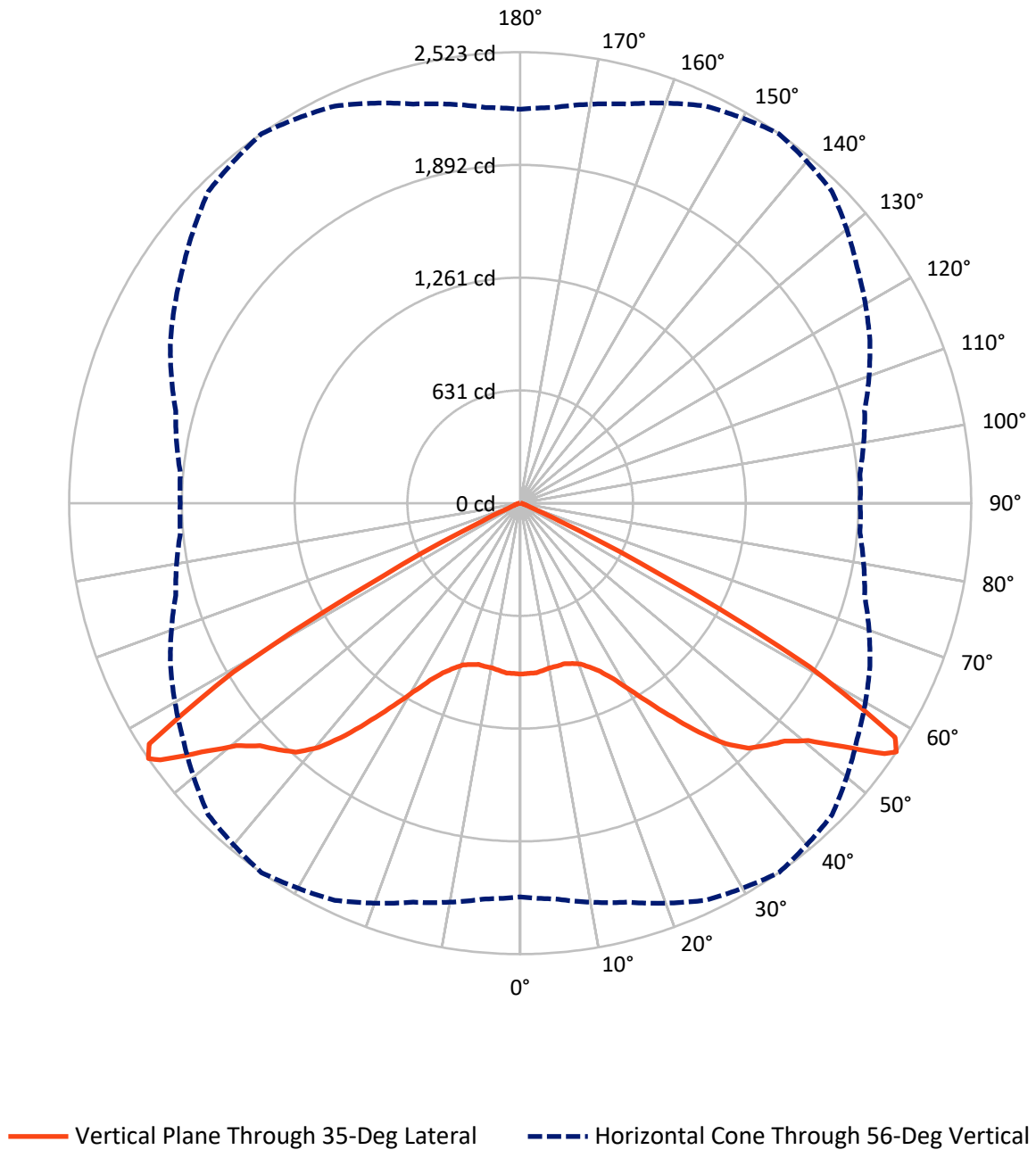
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P527389
CATALOG NUMBER: GALN-SA2B-830-U-5MQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P527389

CATALOG NUMBER: GALN-SA2B-830-U-5MQ-GRSBK

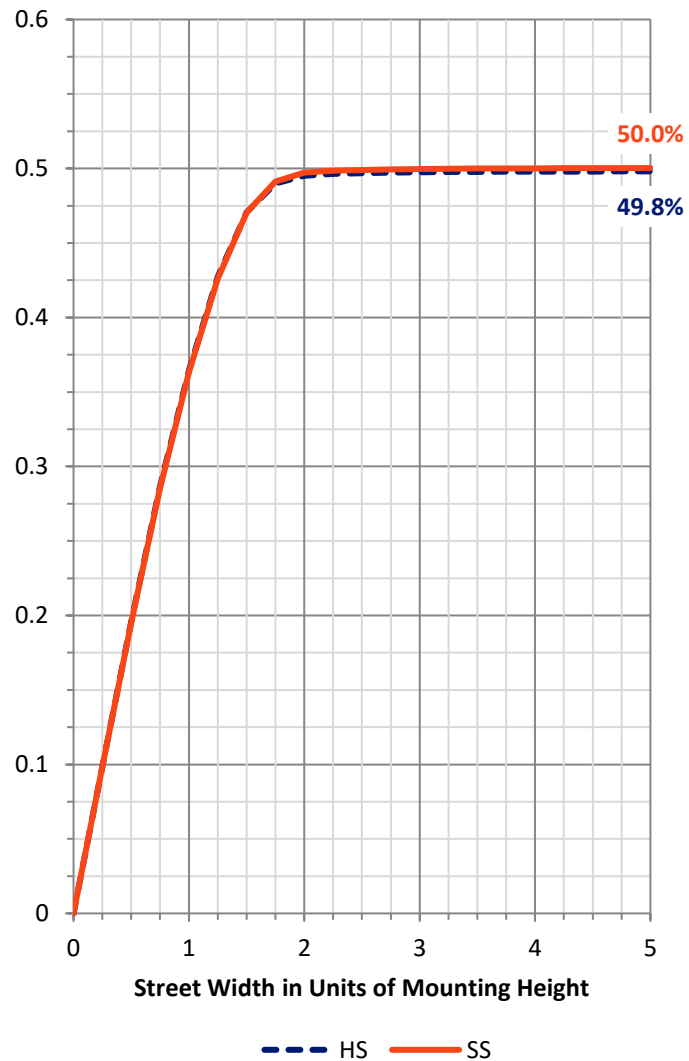
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2728.5	0.0	2728.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2728.5	0.0	2728.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5457.0	0.0	5457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.6
10°-20°	262.4	4.8
20°-30°	475.1	8.7
30°-40°	881.0	16.1
40°-50°	1446.1	26.5
50°-60°	1863.1	34.1
60°-70°	410.6	7.5
70°-80°	23.8	0.4
80°-90°	5.0	0.1
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°	5457.0	100.0
0°-180°	5457.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527389

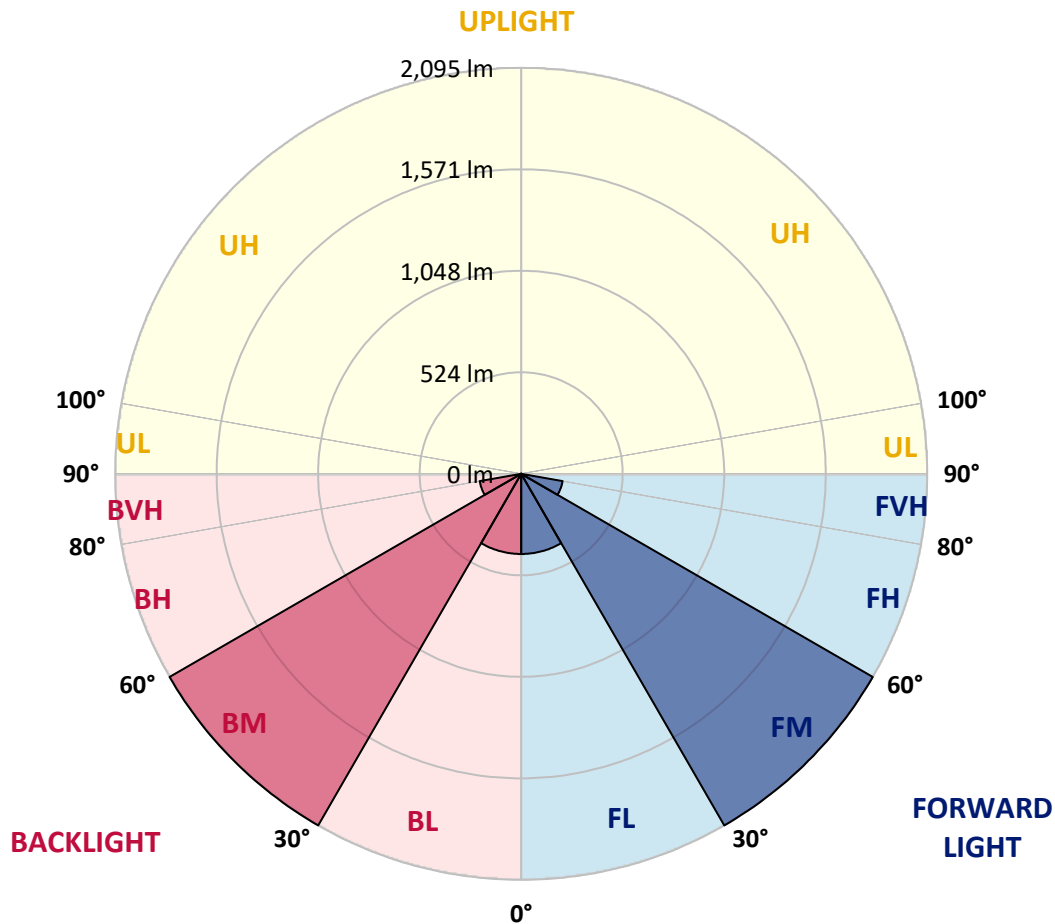
CATALOG NUMBER: GALN-SA2B-830-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.7	7.6			
FM	(30°-60°)	2095.1	38.4			
FH	(60°-80°)	217.2	4.0			G0/660
FVH	(80°-90°)	2.5	0.0			G0/10
BL	(0°-30°)	413.7	7.6	B1/500		
BM	(30°-60°)	2095.1	38.4	B2/2500		
BH	(60°-80°)	217.2	4.0	B1/500		G0/660
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



REPORT NUMBER: P527389

CATALOG NUMBER: GALN-SA2B-830-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	956.2	956.2	956.2	956.2	956.2	956.2	956.2	956.2	956.2	956.2	956.2
2.5°	958.2	958.2	959.2	960.1	953.2	950.3	951.2	949.3	948.3	951.2	951.2
5°	955.2	955.2	952.2	953.2	953.2	944.3	944.3	946.3	946.3	940.4	938.4
7.5°	947.3	945.3	941.4	946.3	943.3	943.3	936.4	931.5	929.5	933.4	929.5
10°	930.5	931.5	935.4	937.4	935.4	941.4	929.5	922.6	915.6	912.7	912.7
12.5°	922.6	928.5	922.6	927.5	934.4	929.5	922.6	917.6	907.7	903.8	903.8
15°	921.6	925.5	927.5	934.4	931.5	933.4	919.6	913.7	898.8	891.9	888.9
17.5°	920.6	925.5	928.5	941.4	943.3	944.3	933.4	915.6	902.8	895.9	888.9
20°	931.5	933.4	939.4	952.2	960.1	974.0	954.2	935.4	907.7	899.8	896.9
22.5°	945.3	955.2	961.1	975.0	995.7	1007.6	981.9	958.2	929.5	919.6	907.7
25°	989.8	987.8	997.7	1026.4	1043.2	1052.1	1031.3	996.7	959.2	947.3	949.3
27.5°	1045.2	1047.2	1056.1	1087.7	1112.4	1126.3	1101.5	1056.1	1019.5	999.7	997.7
30°	1117.4	1115.4	1125.3	1167.8	1212.3	1233.1	1189.5	1136.1	1100.6	1074.8	1080.8
32.5°	1193.5	1194.5	1222.2	1260.7	1332.9	1373.5	1303.3	1238.0	1184.6	1166.8	1157.9
35°	1306.2	1311.2	1332.9	1392.3	1472.3	1524.8	1447.6	1369.5	1308.2	1275.6	1279.5
37.5°	1445.6	1440.7	1477.3	1541.6	1625.6	1664.2	1598.9	1509.9	1447.6	1425.9	1439.7
40°	1594.0	1598.9	1617.7	1676.0	1770.0	1795.7	1698.8	1650.3	1595.9	1585.1	1601.9
42.5°	1742.3	1739.3	1753.2	1805.6	1873.8	1856.0	1798.7	1770.0	1731.4	1709.7	1732.4
45°	1851.1	1846.1	1871.8	1907.4	1932.1	1898.5	1872.8	1862.9	1843.2	1819.4	1840.2
47.5°	1956.9	1952.9	1977.6	1987.5	1989.5	1945.0	1949.9	1967.7	1918.3	1868.9	1892.6
50°	2046.8	2039.9	2070.6	2092.3	2087.4	2016.2	2034.0	2016.2	1939.1	1880.7	1871.8
52.5°	2197.1	2200.1	2232.7	2272.3	2260.4	2201.1	2175.4	2094.3	1995.4	1943.0	1912.4
55°	2292.1	2277.2	2333.6	2459.2	2473.0	2411.7	2298.0	2178.4	2030.0	1965.8	1957.9
56°	2203.1	2221.9	2310.9	2451.3	2522.5	2466.1	2301.0	2157.6	1994.4	1907.4	1901.5
57.5°	1976.6	1966.8	2087.4	2279.2	2473.0	2449.3	2219.9	2009.3	1819.4	1721.5	1709.7
60°	1230.1	1258.8	1364.6	1601.9	1860.9	1872.8	1645.4	1464.4	1242.9	1155.9	1176.7
62.5°	481.6	456.8	523.1	700.1	878.1	917.6	831.6	691.2	567.6	481.6	475.6
65°	111.7	108.8	122.6	169.1	236.3	273.9	260.1	186.9	137.4	130.5	120.6
67.5°	63.3	63.3	60.3	60.3	66.3	70.2	67.2	66.3	69.2	72.2	71.2
70°	44.5	43.5	41.5	42.5	40.5	40.5	43.5	48.5	52.4	52.4	53.4
72.5°	26.7	26.7	26.7	29.7	29.7	29.7	32.6	36.6	37.6	36.6	35.6
75°	11.9	11.9	13.8	16.8	18.8	19.8	22.7	24.7	26.7	24.7	22.7
77.5°	3.0	3.0	4.9	6.9	8.9	10.9	14.8	17.8	18.8	17.8	14.8
80°	1.0	1.0	2.0	4.9	8.9	10.9	14.8	15.8	16.8	14.8	11.9
82.5°	1.0	1.0	2.0	4.9	6.9	8.9	11.9	13.8	14.8	12.9	11.9
85°	0.0	1.0	2.0	4.0	5.9	7.9	7.9	5.9	4.9	3.0	4.0
87.5°	0.0	0.0	1.0	1.0	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

(END OF REPORT)