

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: P650776

Luminaire Tested: **GALN-SA3C-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12125.5 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

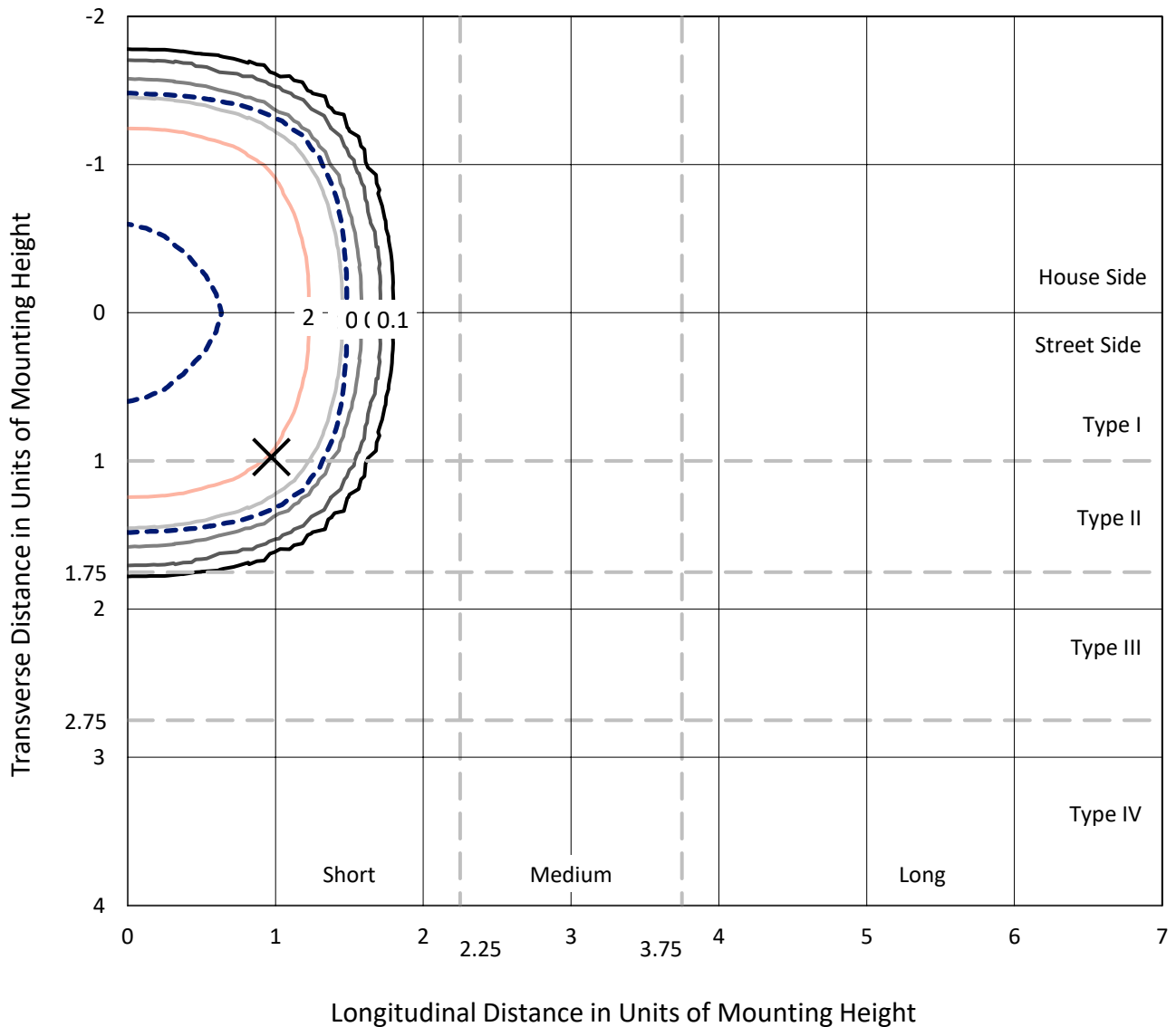
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650776
 CATALOG NUMBER: GALN-SA3C-840-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

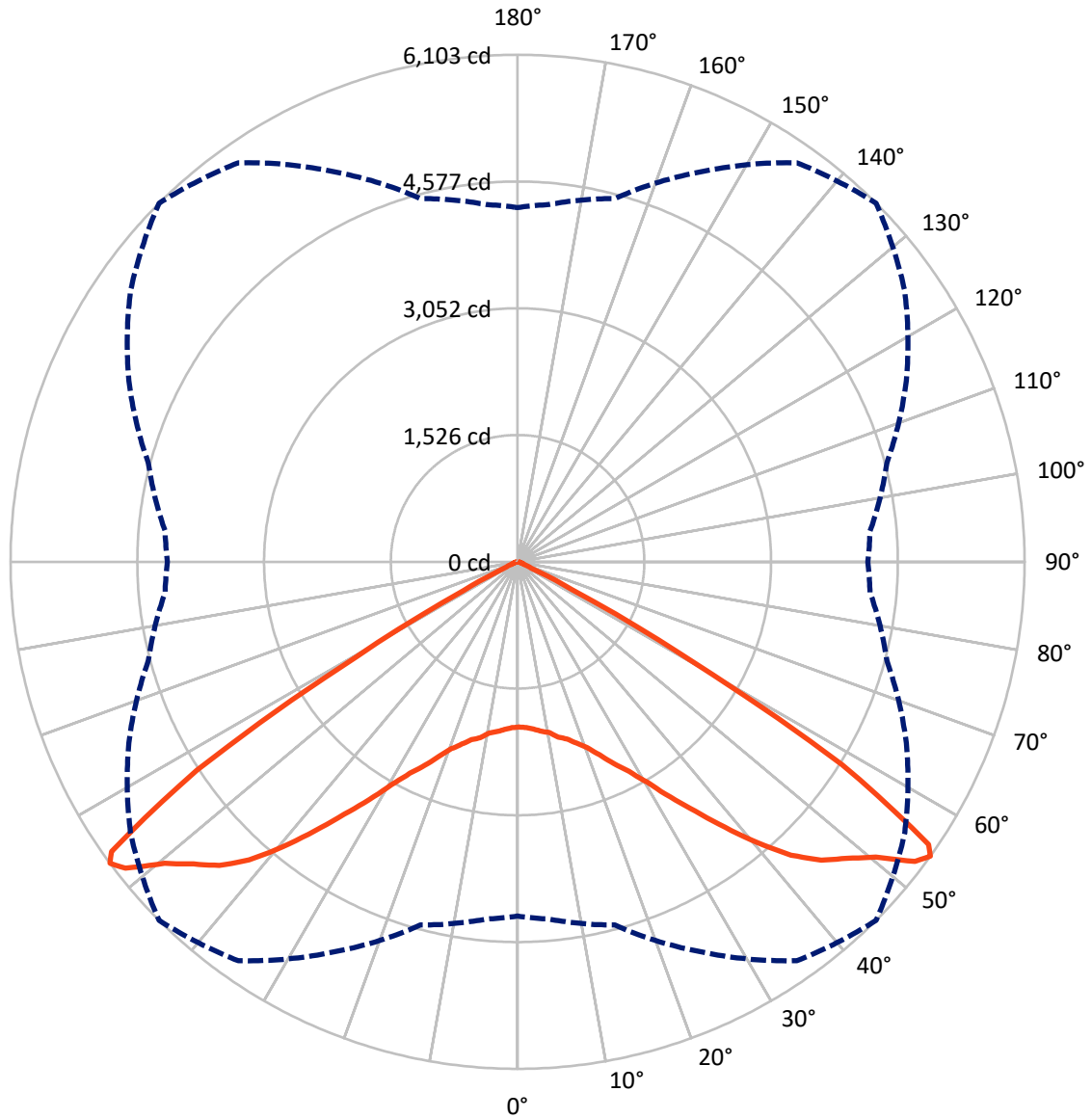
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P650776
CATALOG NUMBER: GALN-SA3C-840-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P650776
 CATALOG NUMBER: GALN-SA3C-840-U-5NQ-GRSBK

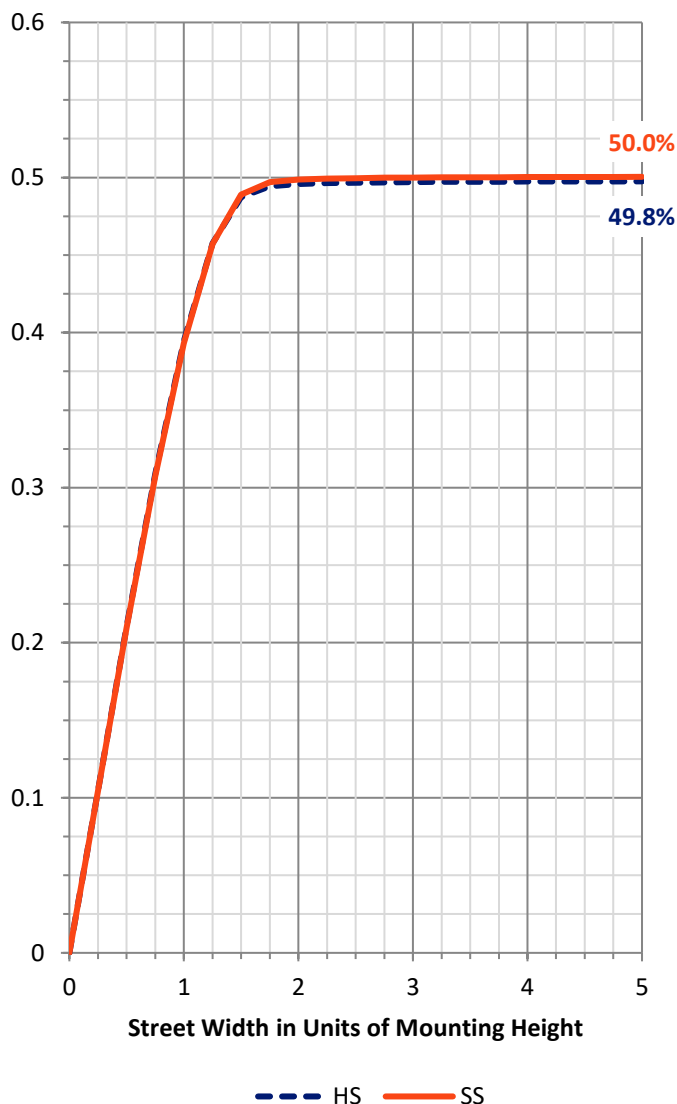
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6062.8	0.0	6062.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6062.8	0.0	6062.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12125.5	0.0	12125.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	1.6
10°-20°	630.2	5.2
20°-30°	1235.1	10.2
30°-40°	2221.0	18.3
40°-50°	3801.9	31.4
50°-60°	3678.7	30.3
60°-70°	314.9	2.6
70°-80°	37.3	0.3
80°-90°	11.7	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°	12125.5	100.0
0°-180°	12125.5	100.0

Coefficient of Utilization



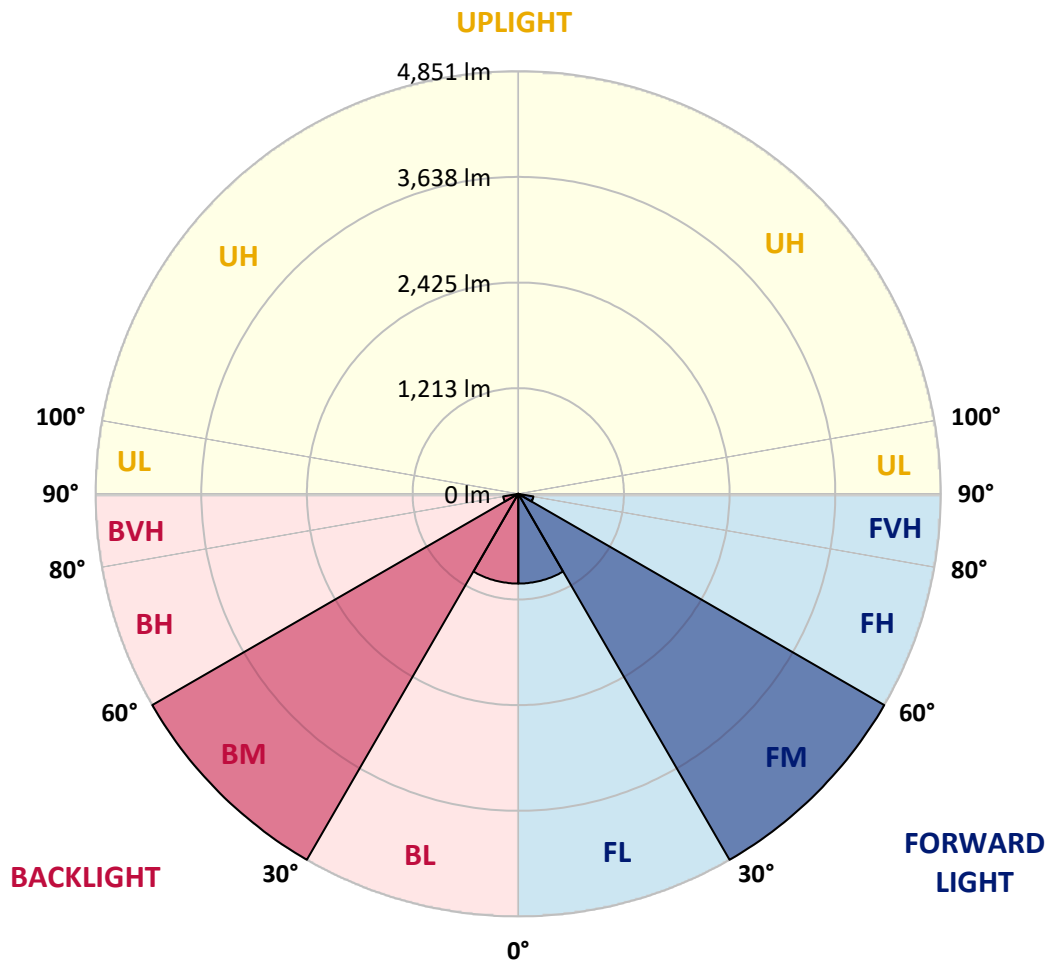
REPORT NUMBER: P650776
 CATALOG NUMBER: GALN-SA3C-840-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.0	8.5			
FM (30°-60°)	4850.8	40.0			
FH (60°-80°)	176.1	1.5			G0/660
FVH (80°-90°)	5.9	0.0			G0/10
BL (0°-30°)	1030.0	8.5	B3/2500		
BM (30°-60°)	4850.8	40.0	B3/5000		
BH (60°-80°)	176.1	1.5	B1/500		G0/660
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P650776
 CATALOG NUMBER: GALN-SA3C-840-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1988.2	1988.2	1988.2	1988.2	1988.2	1988.2	1988.2	1988.2	1988.2	1988.2	1988.2
2.5°	1997.8	2009.3	2001.7	2007.4	2007.4	1997.8	2003.6	1980.6	1995.9	1984.3	1986.3
5°	2028.6	2026.6	2026.6	2028.6	2020.8	2024.7	2017.1	2009.3	2003.6	1995.9	2018.9
7.5°	2067.0	2067.0	2053.6	2057.3	2053.6	2059.3	2043.9	2028.6	2022.8	2017.1	2013.2
10°	2103.5	2099.6	2093.8	2111.2	2097.7	2090.1	2082.3	2072.7	2051.6	2043.9	2036.2
12.5°	2157.2	2155.3	2147.7	2164.9	2157.2	2164.9	2136.1	2111.2	2107.3	2082.3	2095.8
15°	2220.7	2237.9	2224.5	2224.5	2220.7	2211.1	2199.6	2188.0	2153.4	2143.8	2145.7
17.5°	2303.2	2297.5	2299.4	2299.4	2318.6	2293.7	2270.6	2241.8	2224.5	2218.7	2199.6
20°	2382.0	2389.7	2387.8	2401.2	2412.7	2385.8	2360.9	2357.1	2309.0	2316.7	2289.8
22.5°	2520.3	2514.6	2524.2	2533.8	2526.1	2522.2	2499.2	2470.4	2428.1	2408.9	2405.1
25°	2666.3	2656.7	2639.4	2662.4	2674.0	2691.3	2647.1	2631.7	2566.4	2537.6	2539.6
27.5°	2791.2	2804.7	2823.8	2833.4	2862.3	2856.5	2825.8	2775.8	2725.8	2693.2	2672.1
30°	2962.2	2969.8	3002.5	3015.9	3065.9	3079.3	3031.3	2973.7	2885.3	2843.1	2818.1
32.5°	3119.7	3173.4	3171.5	3238.8	3319.4	3375.2	3288.7	3200.3	3112.0	3062.0	3017.8
35°	3375.2	3365.5	3421.3	3492.3	3622.9	3686.4	3592.2	3490.4	3355.9	3275.3	3240.7
37.5°	3613.4	3617.2	3692.2	3805.4	3955.3	4053.3	3970.7	3803.5	3665.2	3561.5	3513.4
40°	3959.1	3966.8	4043.7	4172.4	4341.4	4447.0	4351.0	4182.0	3997.5	3916.9	3916.9
42.5°	4364.5	4397.1	4447.0	4558.5	4710.3	4827.4	4741.0	4608.4	4422.1	4318.4	4333.8
45°	4781.3	4796.6	4829.4	4994.5	5065.6	5123.2	5042.6	4981.1	4856.2	4729.4	4708.3
47.5°	5171.3	5177.0	5273.1	5325.0	5380.6	5332.6	5384.5	5303.9	5163.6	5040.6	5015.6
50°	5344.1	5334.5	5471.0	5628.5	5670.7	5586.2	5542.0	5488.2	5275.0	5127.1	5061.8
52.5°	4840.9	4896.6	5150.1	5588.1	5918.5	5989.6	5732.2	5484.4	5086.7	4798.6	4754.4
54°	4264.5	4316.4	4525.8	5175.1	5862.8	6103.0	5688.0	5161.6	4600.8	4258.8	4214.6
55°	3694.0	3636.4	4016.8	4679.5	5601.6	6003.1	5513.2	4744.8	4103.2	3790.1	3728.6
57.5°	1999.7	2009.3	2330.2	2956.4	3936.0	4602.6	4064.8	3209.9	2424.3	2072.7	2042.0
60°	633.9	649.3	789.5	1194.8	1880.6	2245.6	1924.8	1289.0	891.3	714.6	685.8
62.5°	197.9	205.5	224.7	334.2	514.9	735.7	576.3	345.7	257.4	236.3	240.1
65°	121.0	121.0	123.0	130.6	153.7	178.6	172.9	151.7	146.0	142.1	140.2
67.5°	78.8	76.9	80.7	86.5	90.3	92.2	98.0	103.7	101.8	98.0	98.0
70°	48.0	46.1	50.0	57.6	59.5	63.4	69.1	76.9	74.9	71.1	73.0
72.5°	26.9	26.9	28.8	34.6	40.4	44.2	50.0	55.7	57.6	55.7	55.7
75°	9.6	11.5	15.4	21.1	25.0	30.7	36.5	42.3	48.0	44.2	42.3
77.5°	3.9	3.9	7.7	13.5	19.2	25.0	34.6	40.4	44.2	40.4	36.5
80°	1.9	1.9	5.8	11.5	17.3	23.0	28.8	34.6	36.5	32.6	28.8
82.5°	1.9	1.9	5.8	11.5	17.3	21.1	30.7	34.6	38.4	34.6	28.8
85°	0.0	1.9	5.8	11.5	15.4	17.3	17.3	11.5	9.6	5.8	5.8
87.5°	0.0	0.0	1.9	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

(END OF REPORT)