

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: P650722

Luminaire Tested: **GALN-SA2C-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-840-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10710.1 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

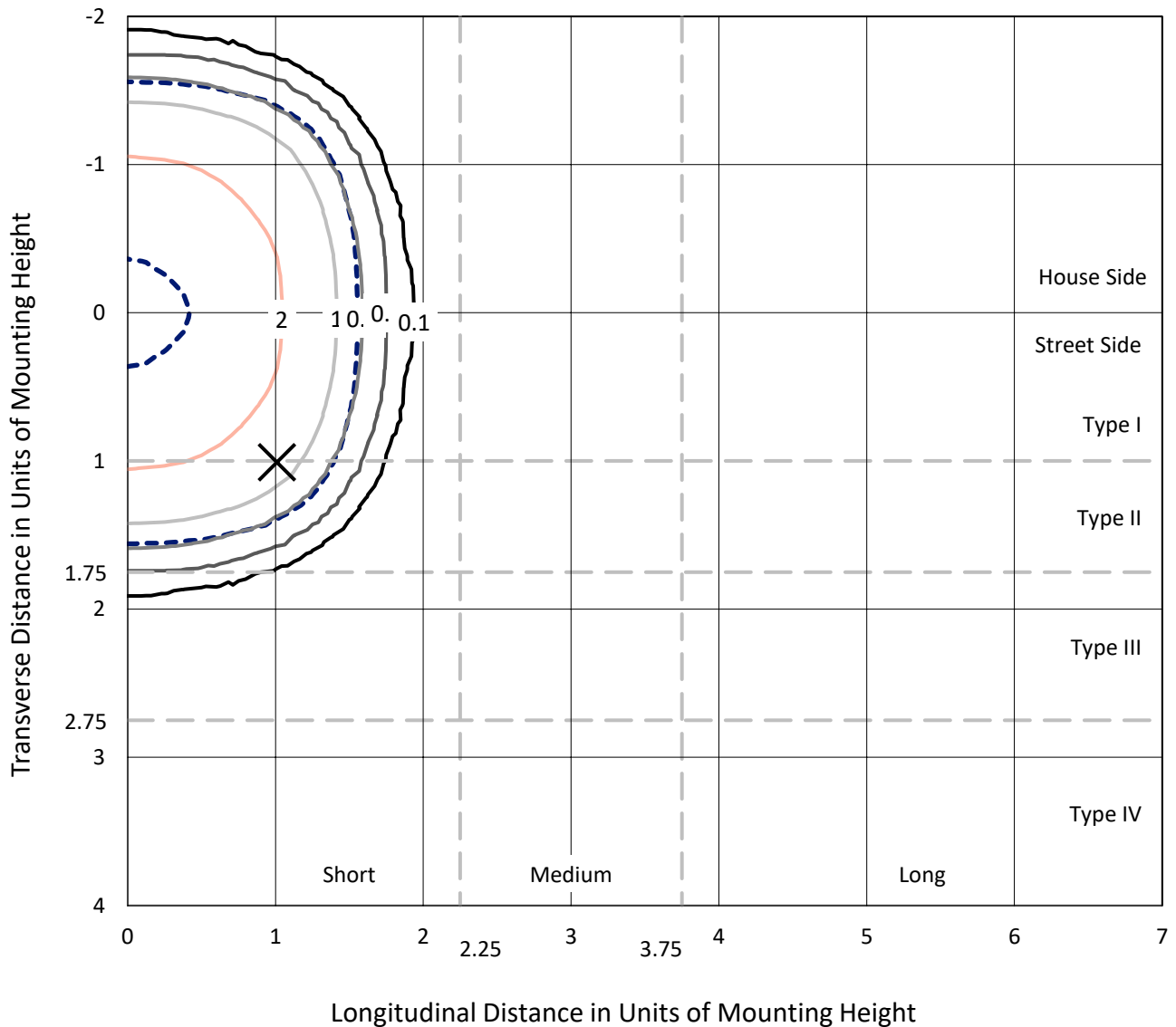
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

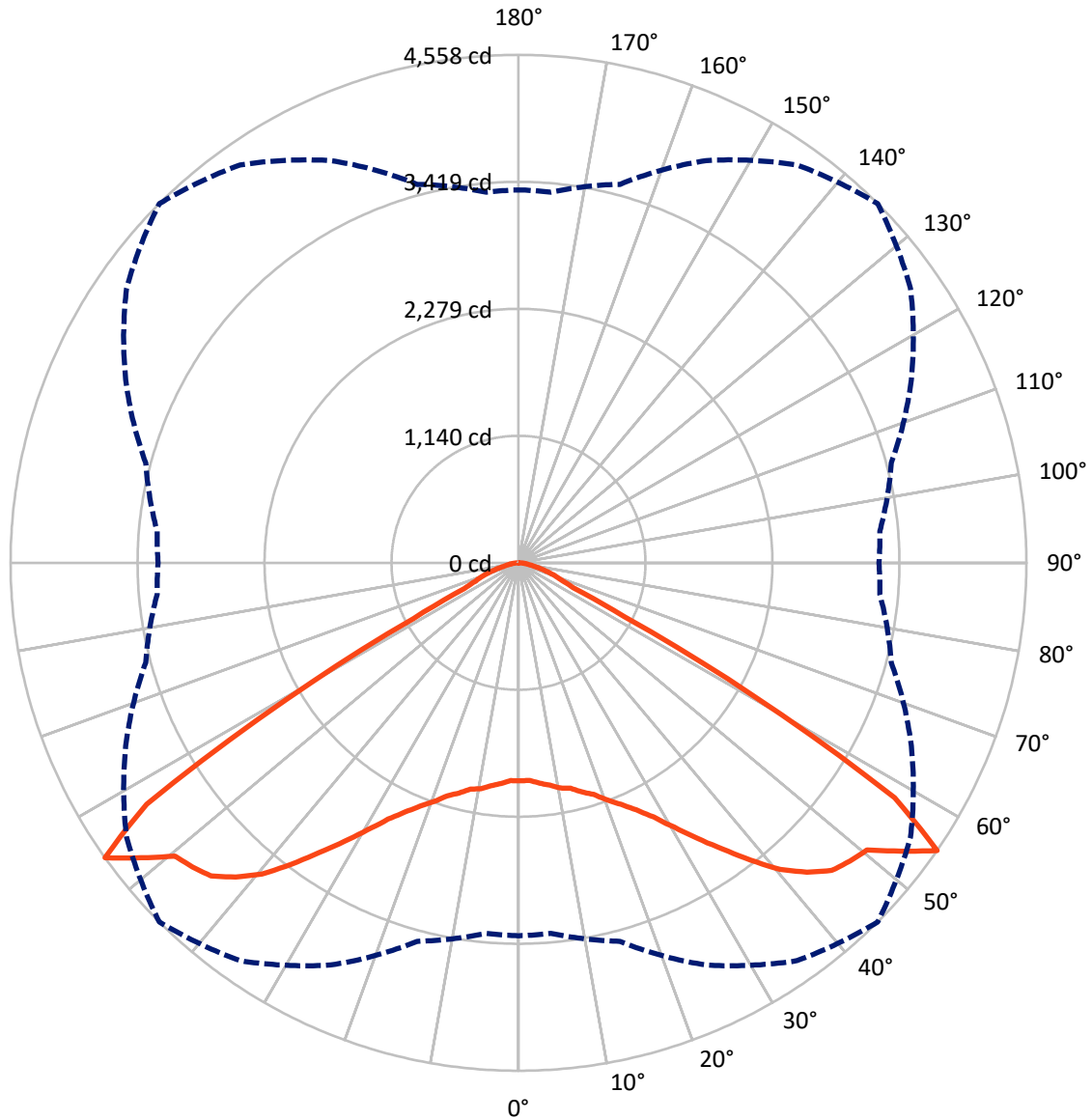
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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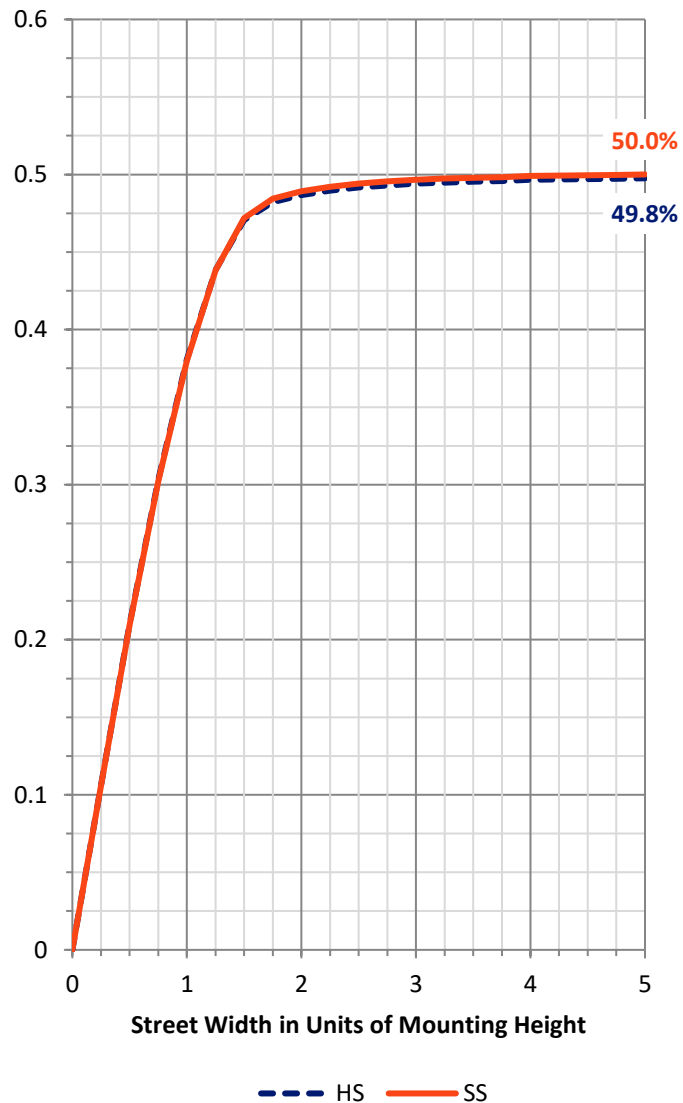
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5355.1	0.0	5355.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5355.1	0.0	5355.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10710.1	0.0	10710.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	1.8
10°-20°	605.3	5.7
20°-30°	1128.7	10.5
30°-40°	1889.8	17.6
40°-50°	2940.7	27.5
50°-60°	3053.3	28.5
60°-70°	647.5	6.0
70°-80°	213.3	2.0
80°-90°	40.6	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°	10710.1	100.0
0°-180°	10710.1	100.0

Coefficient of Utilization

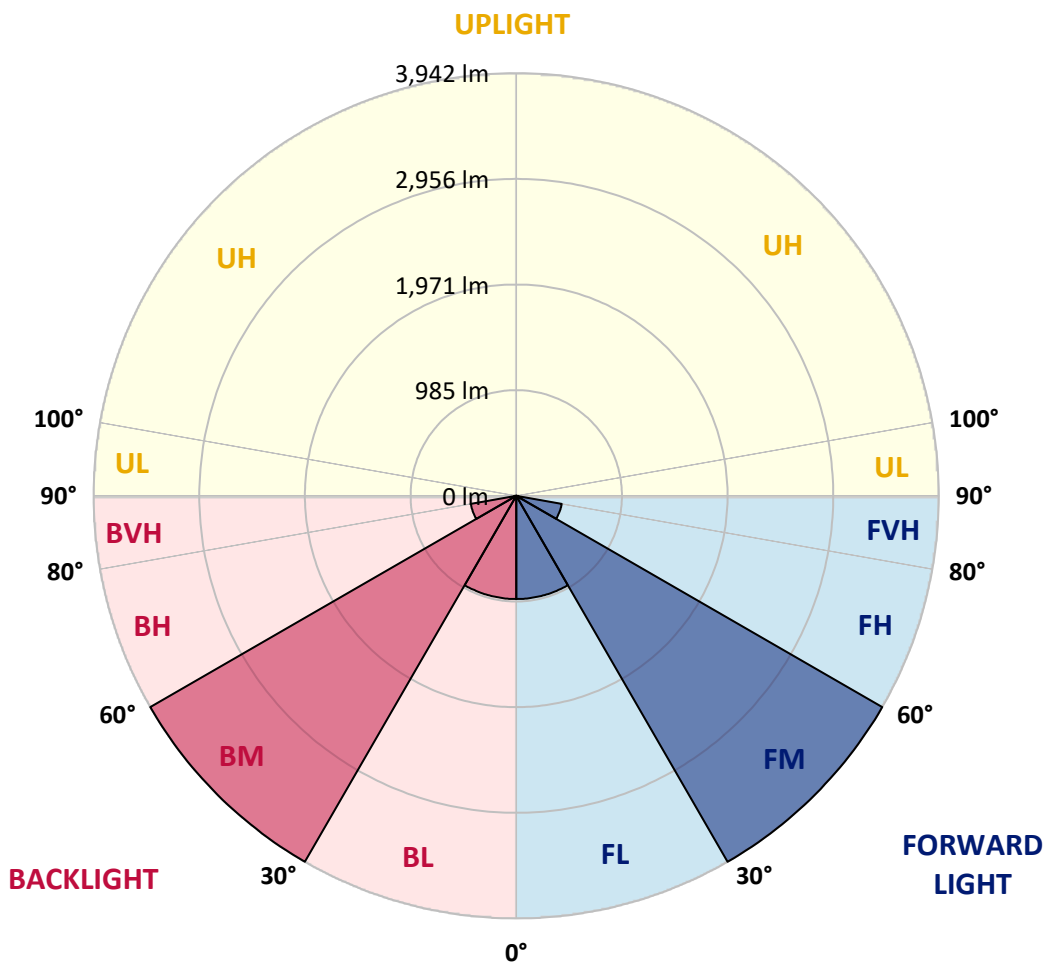


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	962.5	9.0			
FM (30°-60°)	3941.9	36.8			
FH (60°-80°)	430.4	4.0			G0/660
FVH (80°-90°)	20.3	0.2			G1/100
BL (0°-30°)	962.5	9.0	B2/1000		
BM (30°-60°)	3941.9	36.8	B3/5000		
BH (60°-80°)	430.4	4.0	B1/500		G0/660
BVH (80°-90°)	20.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1955.5	1955.5	1955.5	1955.5	1955.5	1955.5	1955.5	1955.5	1955.5	1955.5	1955.5
2.5°	1978.8	1969.7	1954.2	1965.8	1974.9	1955.5	1963.3	1967.2	1964.6	1954.2	1958.1
5°	2007.3	2002.1	1989.1	1998.2	1986.6	1986.6	1978.8	1968.4	1984.0	1981.4	1987.9
7.5°	2007.3	2000.8	2026.7	2009.9	2015.0	2015.0	2002.1	1991.7	1999.5	1987.9	1981.4
10°	2047.4	2056.5	2044.8	2048.7	2046.1	2055.2	2035.7	2029.2	2022.8	2018.9	2011.2
12.5°	2095.3	2088.8	2092.7	2090.1	2099.1	2075.8	2064.2	2050.0	2061.6	2044.8	2056.5
15°	2134.1	2130.3	2134.1	2144.5	2135.4	2134.1	2113.4	2099.1	2081.1	2084.9	2066.8
17.5°	2187.2	2183.3	2184.6	2193.7	2192.3	2185.8	2170.4	2143.2	2136.7	2126.4	2114.7
20°	2266.1	2259.7	2257.1	2260.9	2267.4	2272.6	2241.5	2231.2	2209.1	2192.3	2172.9
22.5°	2333.4	2330.8	2341.2	2324.4	2338.6	2354.1	2324.4	2319.1	2264.8	2255.7	2235.0
25°	2426.6	2422.8	2416.3	2440.8	2457.7	2456.4	2427.9	2399.5	2358.0	2347.7	2347.7
27.5°	2524.9	2503.0	2536.6	2543.1	2572.9	2581.9	2557.3	2515.9	2477.1	2455.0	2460.3
30°	2647.9	2627.2	2634.9	2681.5	2720.4	2754.0	2691.9	2631.1	2576.7	2537.9	2531.4
32.5°	2770.8	2750.2	2773.4	2818.7	2896.4	2946.9	2886.1	2779.9	2716.5	2659.6	2671.2
35°	2870.5	2886.1	2923.6	2992.1	3072.4	3153.9	3056.9	2975.3	2884.7	2821.3	2830.4
37.5°	3031.0	3078.9	3108.6	3187.6	3301.4	3385.6	3284.6	3178.5	3081.4	2998.6	2970.2
40°	3240.6	3273.0	3306.6	3399.8	3534.4	3618.6	3522.8	3384.3	3288.5	3203.1	3199.2
42.5°	3471.0	3502.1	3537.0	3650.9	3731.1	3794.5	3706.5	3632.8	3526.6	3459.4	3455.5
45°	3738.9	3716.9	3755.7	3830.8	3898.1	3939.5	3882.6	3846.3	3770.0	3707.8	3701.3
47.5°	3917.5	3898.1	3968.0	4035.3	4045.6	4000.3	4012.0	4045.6	3965.4	3863.1	3895.5
50°	4021.0	4021.0	4067.6	4129.7	4110.3	4052.1	4143.9	4146.6	4066.3	3975.7	3975.7
52.5°	3841.1	3881.2	4013.3	4216.4	4281.2	4298.0	4277.2	4189.3	3979.6	3794.5	3785.5
55°	3346.8	3337.7	3516.3	3982.2	4358.8	4558.1	4294.1	3889.0	3463.2	3254.8	3234.1
57.5°	2176.8	2187.2	2453.8	2928.7	3608.1	3979.6	3534.4	2964.9	2453.8	2166.5	2193.7
60°	979.7	1014.7	1176.4	1531.0	2114.7	2417.5	2119.9	1608.7	1234.7	1071.6	1085.8
62.5°	563.0	569.4	575.9	683.3	900.7	1065.1	935.7	722.2	636.7	608.3	608.3
65°	475.0	471.0	472.4	481.5	504.8	538.4	524.1	504.8	507.3	504.8	500.8
67.5°	403.8	409.0	405.1	411.6	412.8	418.1	427.1	434.9	436.1	438.7	436.1
70°	331.3	332.6	335.2	340.4	341.7	345.6	358.5	365.0	368.9	368.9	374.0
72.5°	253.6	252.4	255.0	260.1	266.6	267.9	279.5	288.6	293.8	287.3	288.6
75°	166.9	168.3	172.2	176.0	185.1	194.1	198.0	207.1	208.4	210.9	204.4
77.5°	99.7	102.3	106.1	113.9	121.7	129.4	138.5	145.0	147.5	145.0	137.2
80°	64.7	64.7	69.9	76.4	85.4	91.9	97.1	102.3	106.1	102.3	99.7
82.5°	40.1	40.1	46.6	54.3	60.8	64.7	72.5	79.0	82.8	80.2	76.4
85°	20.7	22.0	27.2	33.6	38.9	41.4	40.1	36.2	32.4	31.0	28.5
87.5°	6.5	6.5	7.7	7.7	6.5	6.5	7.7	6.5	7.7	7.7	7.7
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)