

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: P533085

Luminaire Tested: **GALN-SA8C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533085
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-SA8C-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 35517 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

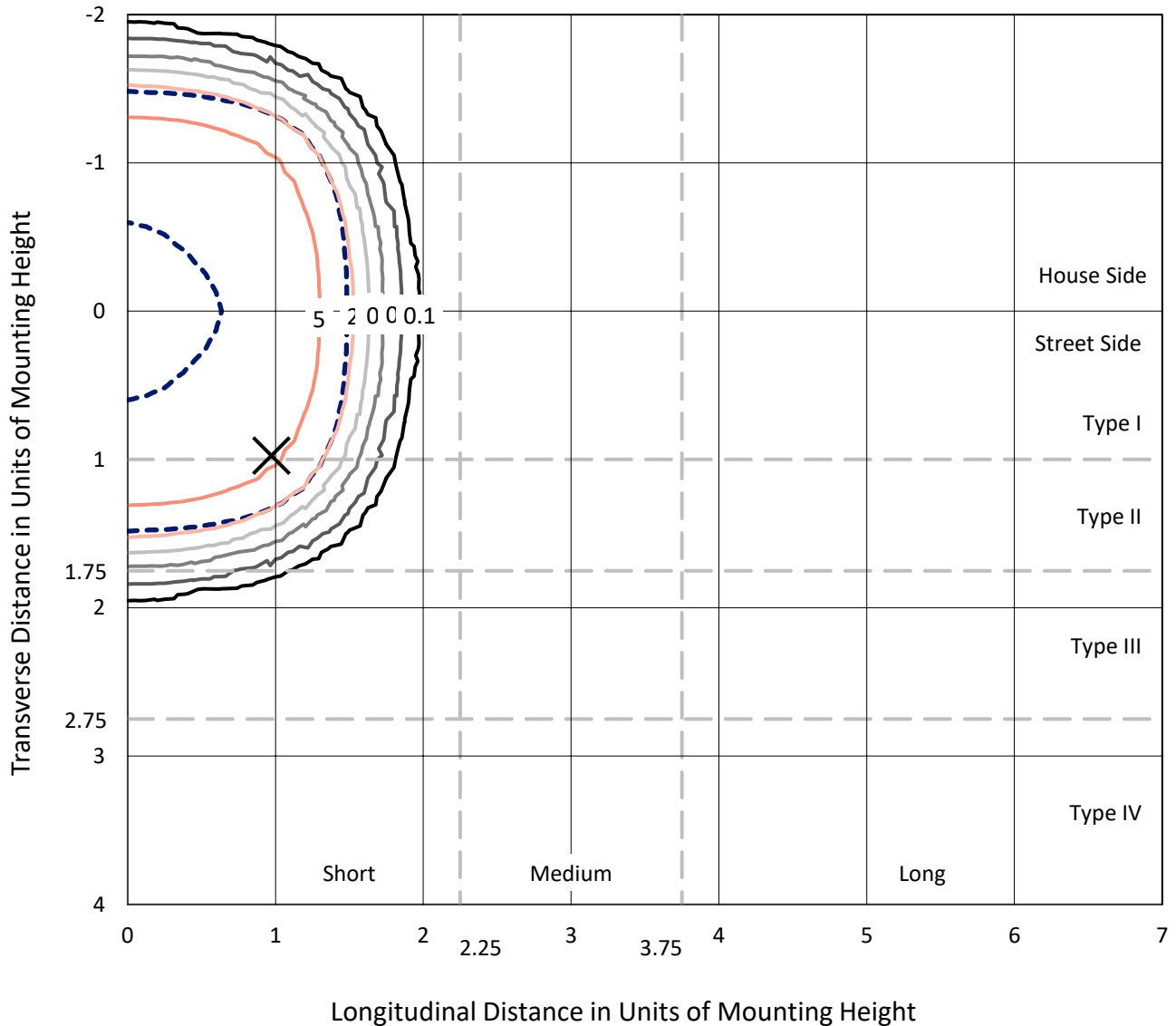
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

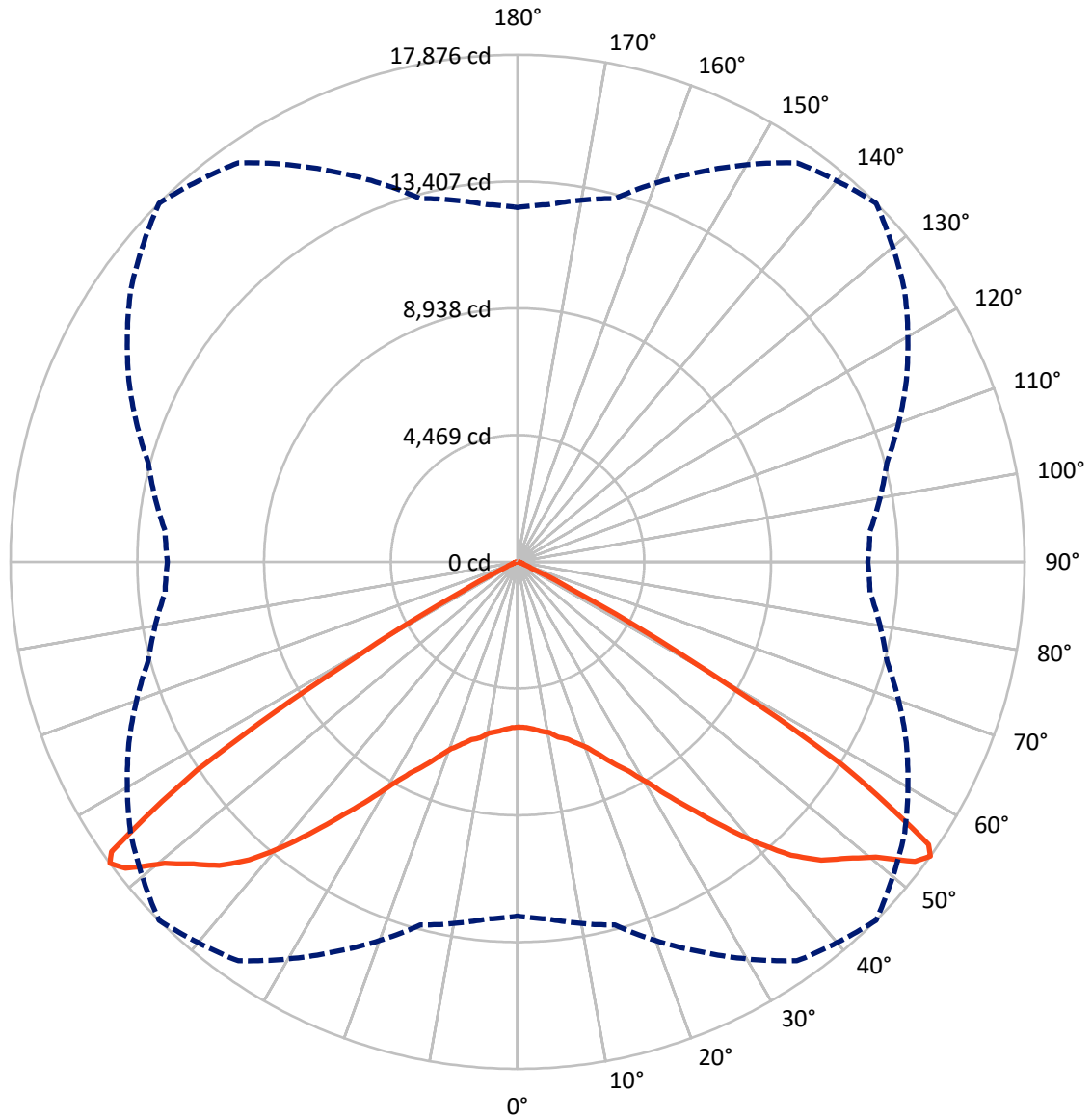
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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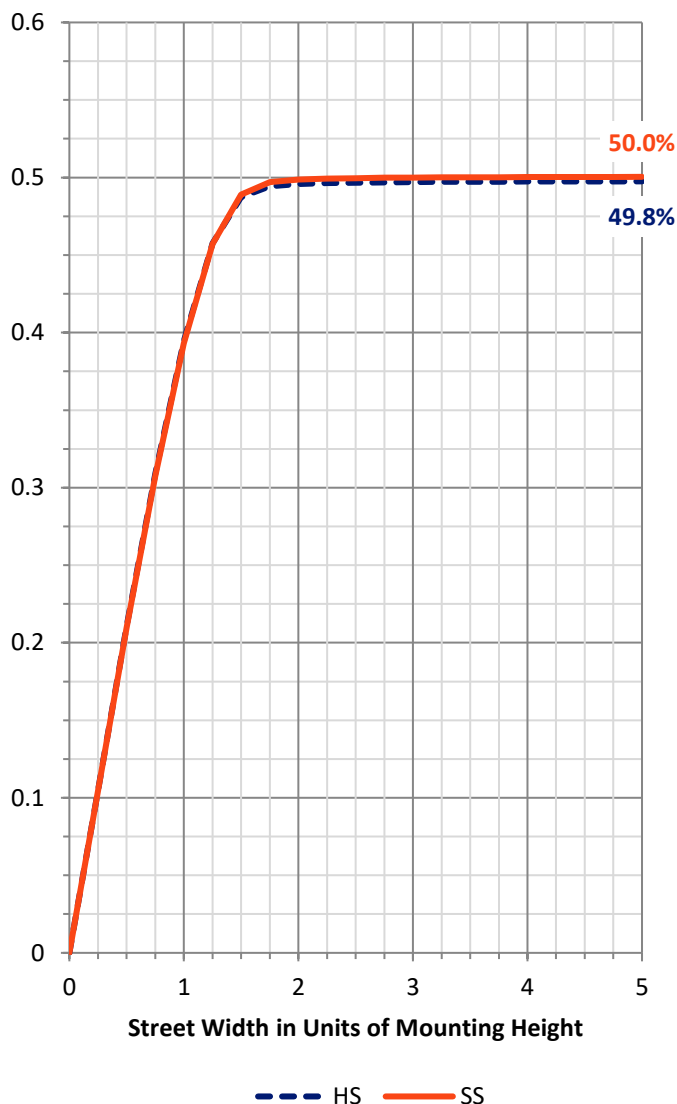
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17758.5	0.0	17758.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17758.5	0.0	17758.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35517.0	0.0	35517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.0	1.6
10°-20°	1845.9	5.2
20°-30°	3617.8	10.2
30°-40°	6505.6	18.3
40°-50°	11136.3	31.4
50°-60°	10775.4	30.3
60°-70°	922.4	2.6
70°-80°	109.3	0.3
80°-90°	34.3	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°	35517.0	100.0
0°-180°	35517.0	100.0

Coefficient of Utilization

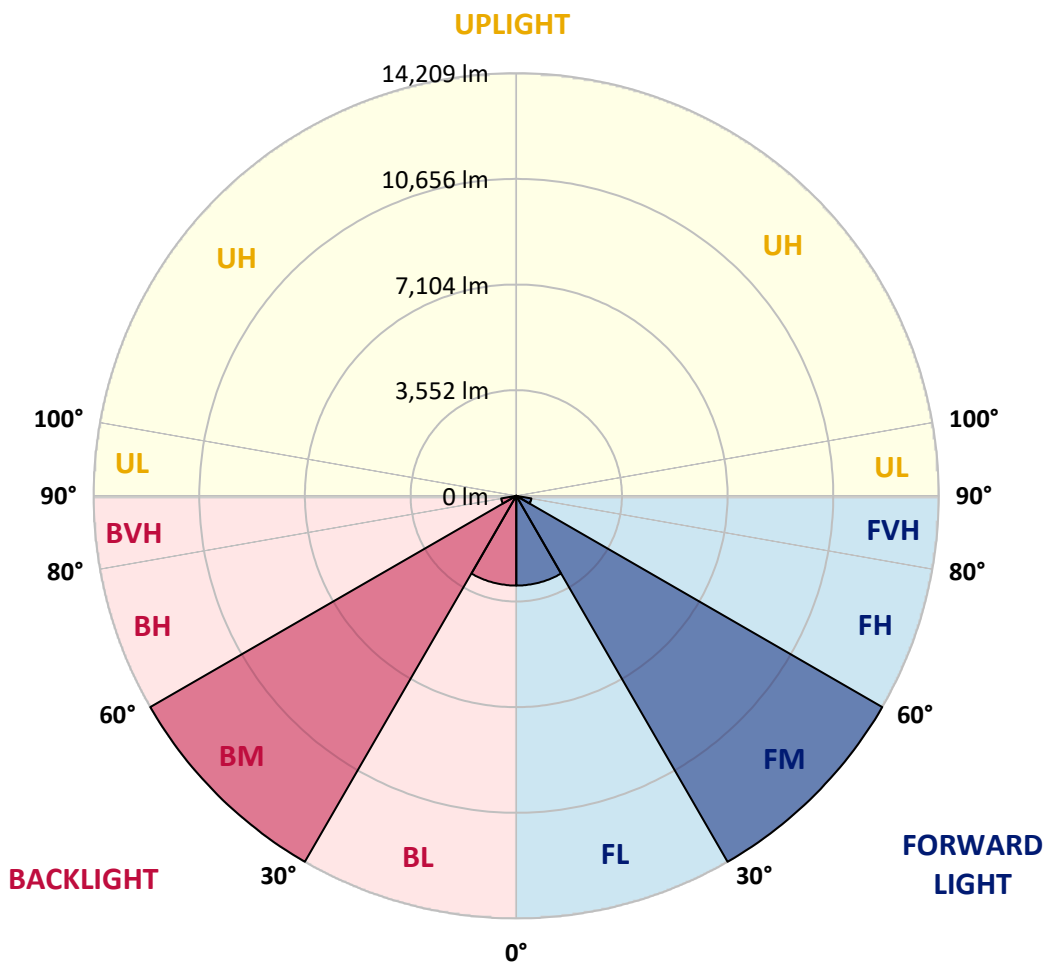


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3016.8	8.5			
FM (30°-60°)	14208.6	40.0			
FH (60°-80°)	515.9	1.5			G0/660
FVH (80°-90°)	17.1	0.0			G1/100
BL (0°-30°)	3016.8	8.5	B4/5000		
BM (30°-60°)	14208.6	40.0	B5		
BH (60°-80°)	515.9	1.5	B2/1000		G0/660
BVH (80°-90°)	17.1	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5823.7	5823.7	5823.7	5823.7	5823.7	5823.7	5823.7	5823.7	5823.7	5823.7	5823.7
2.5°	5851.8	5885.6	5863.1	5879.9	5879.9	5851.8	5868.7	5801.2	5846.2	5812.4	5818.1
5°	5941.8	5936.2	5936.2	5941.8	5919.3	5930.6	5908.1	5885.6	5868.7	5846.2	5913.7
7.5°	6054.4	6054.4	6015.0	6026.2	6015.0	6031.9	5986.9	5941.8	5925.0	5908.1	5896.8
10°	6161.3	6150.0	6133.2	6183.8	6144.4	6121.9	6099.4	6071.3	6009.4	5986.9	5964.4
12.5°	6318.8	6313.2	6290.7	6341.3	6318.8	6341.3	6256.9	6183.8	6172.5	6099.4	6138.8
15°	6504.5	6555.2	6515.8	6515.8	6504.5	6476.4	6442.6	6408.9	6307.6	6279.4	6285.1
17.5°	6746.5	6729.6	6735.2	6735.2	6791.5	6718.3	6650.8	6566.4	6515.8	6498.9	6442.6
20°	6977.2	6999.7	6994.0	7033.4	7067.2	6988.4	6915.3	6904.0	6763.3	6785.9	6707.1
22.5°	7382.3	7365.4	7393.5	7421.7	7399.2	7387.9	7320.4	7236.0	7112.2	7055.9	7044.7
25°	7809.9	7781.8	7731.1	7798.7	7832.4	7883.1	7753.7	7708.6	7517.3	7432.9	7438.6
27.5°	8175.7	8215.0	8271.3	8299.4	8383.9	8367.0	8276.9	8130.6	7984.4	7888.7	7826.8
30°	8676.4	8698.9	8794.6	8834.0	8980.3	9019.7	8879.0	8710.2	8451.4	8327.6	8254.4
32.5°	9137.8	9295.4	9289.8	9486.7	9723.0	9886.2	9633.0	9374.2	9115.3	8969.0	8839.6
35°	9886.2	9858.1	10021.2	10229.4	10612.0	10797.7	10522.0	10223.8	9829.9	9593.6	9492.3
37.5°	10583.9	10595.2	10814.6	11146.6	11585.5	11872.4	11630.5	11141.0	10735.8	10432.0	10291.3
40°	11596.7	11619.2	11844.3	12221.3	12716.4	13025.9	12744.6	12249.4	11709.3	11472.9	11472.9
42.5°	12784.0	12879.6	13025.9	13352.3	13796.8	14140.0	13886.8	13498.6	12952.8	12648.9	12693.9
45°	14005.0	14050.0	14145.6	14629.5	14837.7	15006.5	14770.2	14590.2	14224.4	13853.0	13791.2
47.5°	15147.2	15164.1	15445.4	15597.3	15760.5	15619.8	15771.8	15535.4	15124.7	14764.6	14691.4
50°	15653.6	15625.5	16025.0	16486.4	16610.2	16362.6	16233.2	16075.6	15451.0	15017.8	14826.5
52.5°	14179.4	14342.6	15085.3	16368.2	17336.0	17544.2	16790.2	16064.4	14899.6	14055.6	13926.2
54°	12491.4	12643.3	13256.6	15158.5	17172.8	17876.2	16660.8	15119.1	13476.1	12474.5	12345.1
55°	10820.2	10651.4	11765.5	13706.8	16407.6	17583.6	16148.8	13898.1	12018.7	11101.6	10921.5
57.5°	5857.4	5885.6	6825.2	8659.6	11529.2	13481.7	11906.2	9402.3	7101.0	6071.3	5981.2
60°	1856.8	1901.8	2312.6	3499.8	5508.6	6577.7	5638.0	3775.5	2610.8	2093.1	2008.7
62.5°	579.6	602.1	658.3	979.1	1508.0	2155.0	1688.0	1012.8	754.0	692.1	703.3
65°	354.5	354.5	360.1	382.6	450.1	523.3	506.4	444.5	427.6	416.4	410.8
67.5°	230.7	225.1	236.3	253.2	264.5	270.1	287.0	303.8	298.2	287.0	287.0
70°	140.7	135.0	146.3	168.8	174.4	185.7	202.6	225.1	219.4	208.2	213.8
72.5°	78.8	78.8	84.4	101.3	118.2	129.4	146.3	163.2	168.8	163.2	163.2
75°	28.1	33.8	45.0	61.9	73.1	90.0	106.9	123.8	140.7	129.4	123.8
77.5°	11.3	11.3	22.5	39.4	56.3	73.1	101.3	118.2	129.4	118.2	106.9
80°	5.6	5.6	16.9	33.8	50.6	67.5	84.4	101.3	106.9	95.7	84.4
82.5°	5.6	5.6	16.9	33.8	50.6	61.9	90.0	101.3	112.5	101.3	84.4
85°	0.0	5.6	16.9	33.8	45.0	50.6	50.6	33.8	28.1	16.9	16.9
87.5°	0.0	0.0	5.6	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)