

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: P529862

Luminaire Tested: **GALN-SA5A-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529862
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-SA5A-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 615mA 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: 20628 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

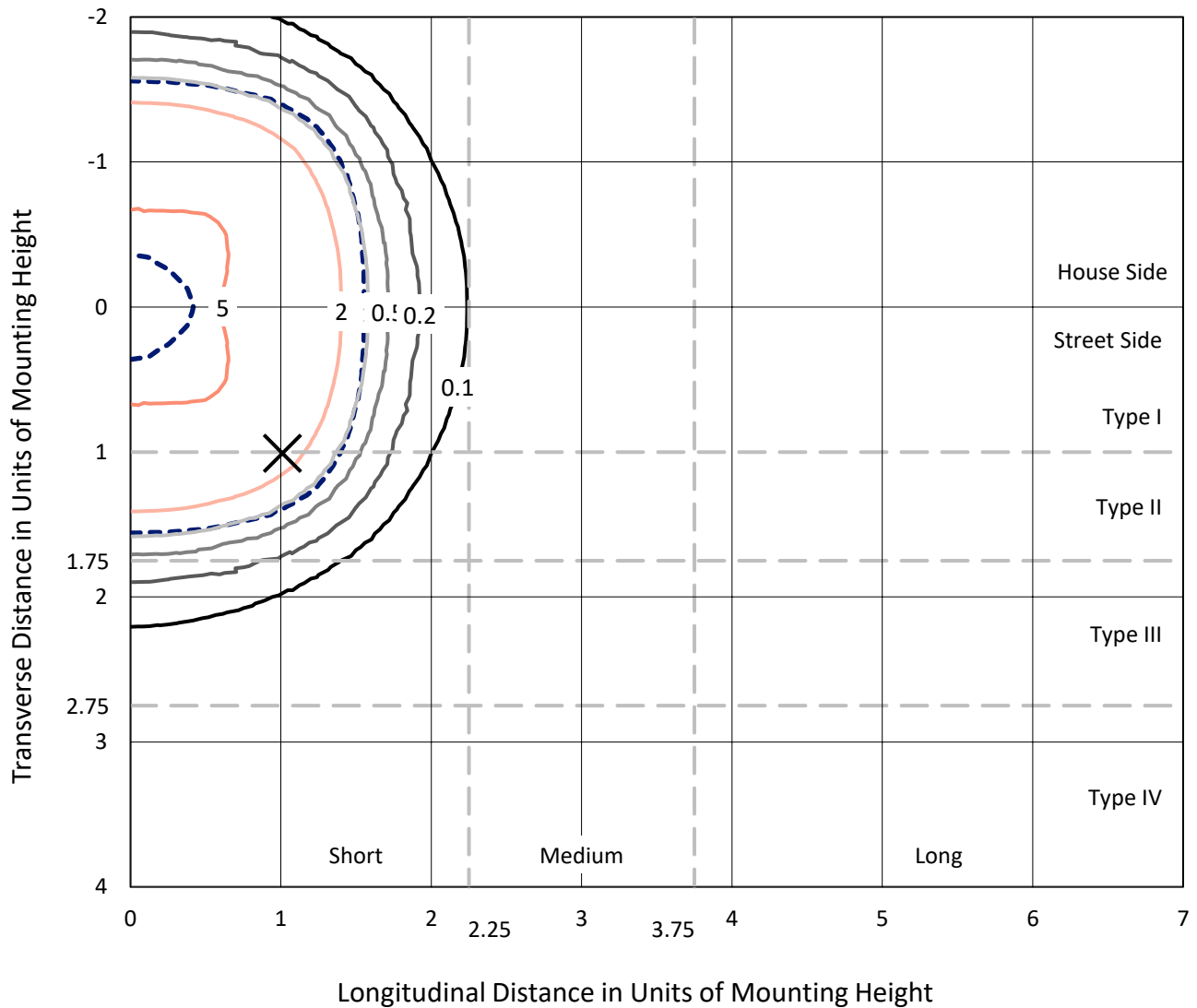
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

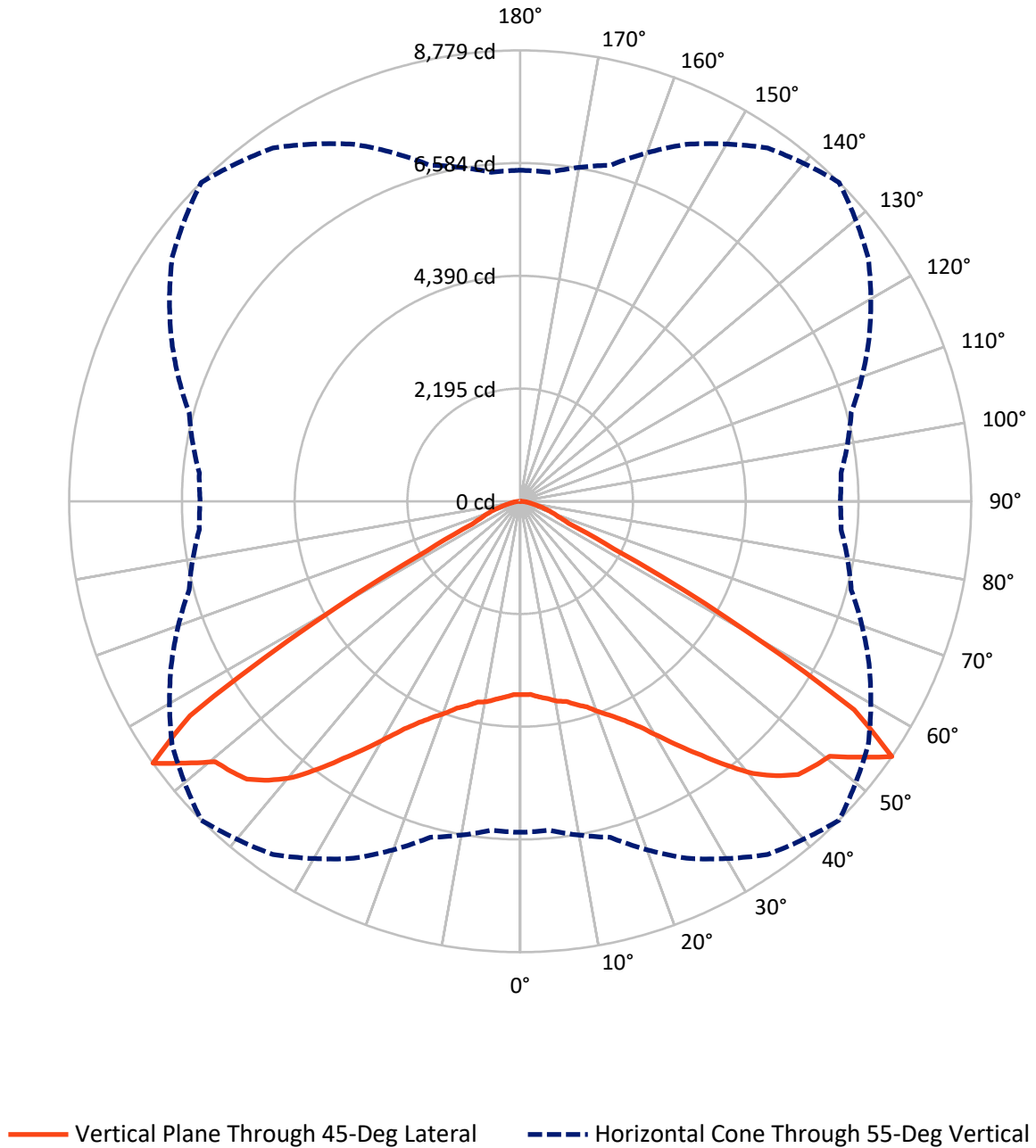
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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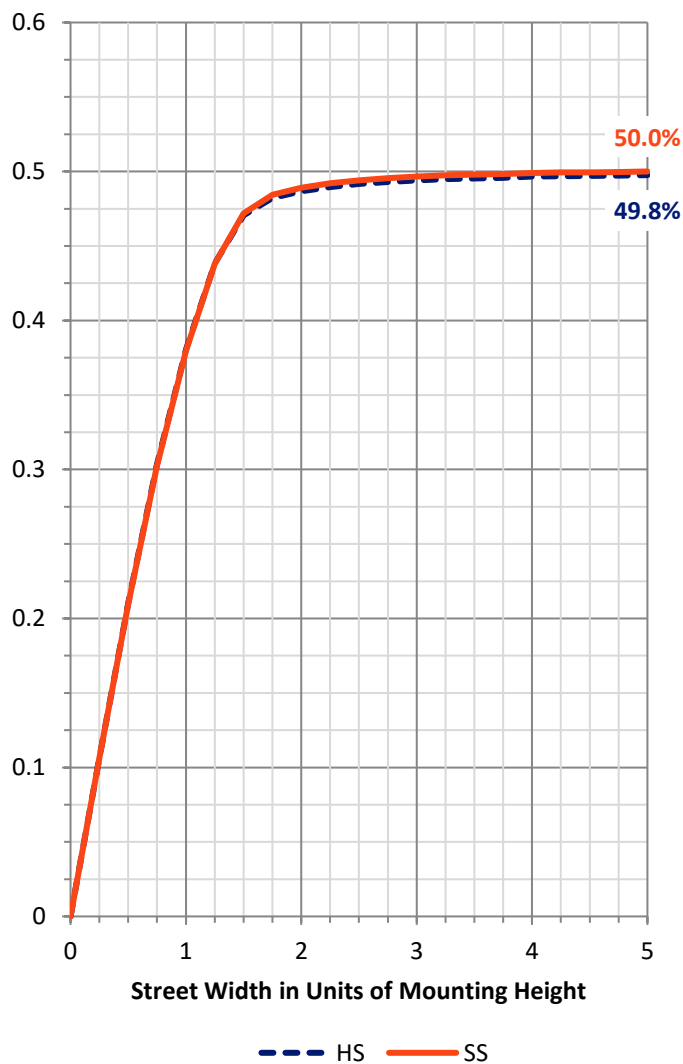
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10314.0	0.0	10314.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10314.0	0.0	10314.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20628.0	0.0	20628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.9	1.8
10°-20°	1165.8	5.7
20°-30°	2173.9	10.5
30°-40°	3639.8	17.6
40°-50°	5663.8	27.5
50°-60°	5880.8	28.5
60°-70°	1247.1	6.0
70°-80°	410.7	2.0
80°-90°	78.2	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°	20628.0	100.0
0°-180°	20628.0	100.0

Coefficient of Utilization

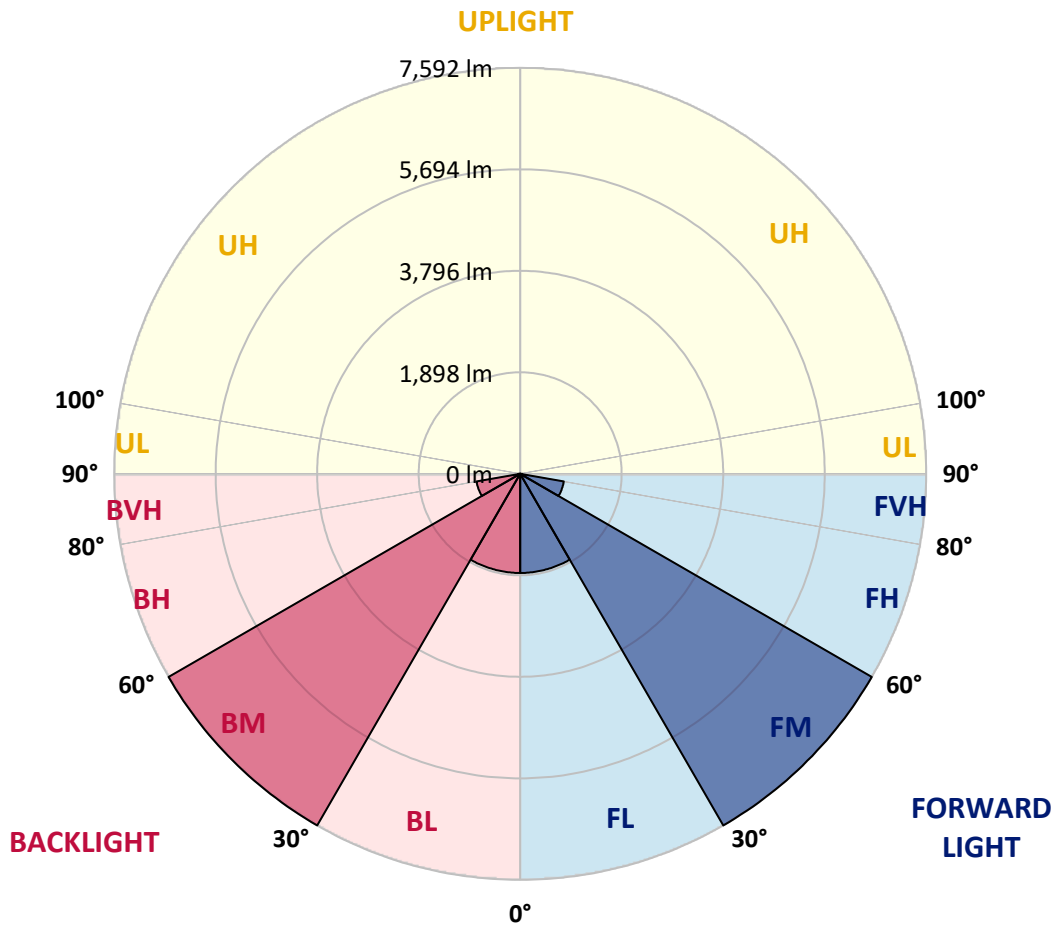


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1853.8	9.0			
FM (30°-60°)	7592.2	36.8			
FH (60°-80°)	828.9	4.0			G1/1800
FVH (80°-90°)	39.1	0.2			G1/100
BL (0°-30°)	1853.8	9.0	B3/2500		
BM (30°-60°)	7592.2	36.8	B4/8500		
BH (60°-80°)	828.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	39.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3766.4	3766.4	3766.4	3766.4	3766.4	3766.4	3766.4	3766.4	3766.4	3766.4	3766.4
2.5°	3811.2	3793.8	3763.9	3786.3	3803.8	3766.4	3781.3	3788.8	3783.8	3763.9	3771.4
5°	3866.1	3856.1	3831.2	3848.6	3826.2	3826.2	3811.2	3791.3	3821.2	3816.2	3828.7
7.5°	3866.1	3853.6	3903.5	3871.1	3881.0	3881.0	3856.1	3836.2	3851.1	3828.7	3816.2
10°	3943.3	3960.8	3938.4	3945.8	3940.8	3958.3	3920.9	3908.4	3896.0	3888.5	3873.5
12.5°	4035.6	4023.1	4030.6	4025.6	4043.0	3998.2	3975.7	3948.3	3970.8	3938.4	3960.8
15°	4110.3	4102.9	4110.3	4130.3	4112.8	4110.3	4070.5	4043.0	4008.2	4015.6	3980.7
17.5°	4212.5	4205.1	4207.6	4225.0	4222.5	4210.1	4180.1	4127.8	4115.3	4095.4	4073.0
20°	4364.6	4352.1	4347.1	4354.6	4367.1	4377.1	4317.2	4297.3	4254.9	4222.5	4185.1
22.5°	4494.2	4489.2	4509.2	4476.8	4504.2	4534.1	4476.8	4466.8	4362.1	4344.7	4304.8
25°	4673.7	4666.2	4653.7	4701.1	4733.5	4731.0	4676.2	4621.3	4541.6	4521.6	4521.6
27.5°	4863.1	4820.7	4885.6	4898.0	4955.4	4972.8	4925.4	4845.7	4770.9	4728.5	4738.5
30°	5099.9	5060.0	5075.0	5164.7	5239.5	5304.3	5184.7	5067.5	4962.8	4888.0	4875.6
32.5°	5336.7	5296.8	5341.7	5428.9	5578.5	5675.7	5558.6	5354.2	5232.0	5122.4	5144.8
35°	5528.7	5558.6	5630.9	5763.0	5917.5	6074.5	5887.6	5730.6	5556.1	5433.9	5451.4
37.5°	5837.7	5930.0	5987.3	6139.3	6358.7	6520.7	6326.3	6121.9	5935.0	5775.4	5720.6
40°	6241.5	6303.9	6368.7	6548.1	6807.4	6969.4	6784.9	6518.2	6333.8	6169.3	6161.8
42.5°	6685.2	6745.1	6812.4	7031.7	7186.3	7308.4	7138.9	6996.8	6792.4	6662.8	6655.3
45°	7201.2	7158.8	7233.6	7378.2	7507.8	7587.6	7477.9	7408.1	7261.0	7141.4	7128.9
47.5°	7545.2	7507.8	7642.4	7772.0	7792.0	7704.7	7727.2	7792.0	7637.4	7440.5	7502.8
50°	7744.6	7744.6	7834.3	7954.0	7916.6	7804.4	7981.4	7986.4	7831.8	7657.4	7657.4
52.5°	7398.1	7475.4	7729.6	8121.0	8245.6	8278.0	8238.1	8068.6	7664.8	7308.4	7290.9
55°	6445.9	6428.5	6772.5	7669.8	8395.2	8779.0	8270.5	7490.4	6670.3	6269.0	6229.1
57.5°	4192.6	4212.5	4726.0	5640.8	6949.5	7664.8	6807.4	5710.6	4726.0	4172.7	4225.0
60°	1886.9	1954.2	2265.8	2948.8	4073.0	4656.2	4082.9	3098.3	2378.0	2063.9	2091.3
62.5°	1084.3	1096.8	1109.2	1316.1	1734.9	2051.4	1802.2	1390.9	1226.4	1171.5	1171.5
65°	914.8	907.3	909.8	927.3	972.1	1036.9	1009.5	972.1	977.1	972.1	964.6
67.5°	777.7	787.7	780.2	792.7	795.1	805.1	822.6	837.5	840.0	845.0	840.0
70°	638.1	640.6	645.6	655.6	658.1	665.5	690.5	702.9	710.4	710.4	720.4
72.5°	488.6	486.1	491.0	501.0	513.5	516.0	538.4	555.9	565.8	553.4	555.9
75°	321.5	324.0	331.5	339.0	356.4	373.9	381.4	398.8	401.3	406.3	393.8
77.5°	191.9	196.9	204.4	219.4	234.3	249.3	266.7	279.2	284.2	279.2	264.2
80°	124.6	124.6	134.6	147.1	164.5	177.0	186.9	196.9	204.4	196.9	191.9
82.5°	77.3	77.3	89.7	104.7	117.2	124.6	139.6	152.1	159.5	154.5	147.1
85°	39.9	42.4	52.3	64.8	74.8	79.8	77.3	69.8	62.3	59.8	54.8
87.5°	12.5	12.5	15.0	15.0	12.5	12.5	15.0	12.5	15.0	15.0	15.0
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)