

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: P530804

Luminaire Tested: **GALN-SA6A-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23762 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

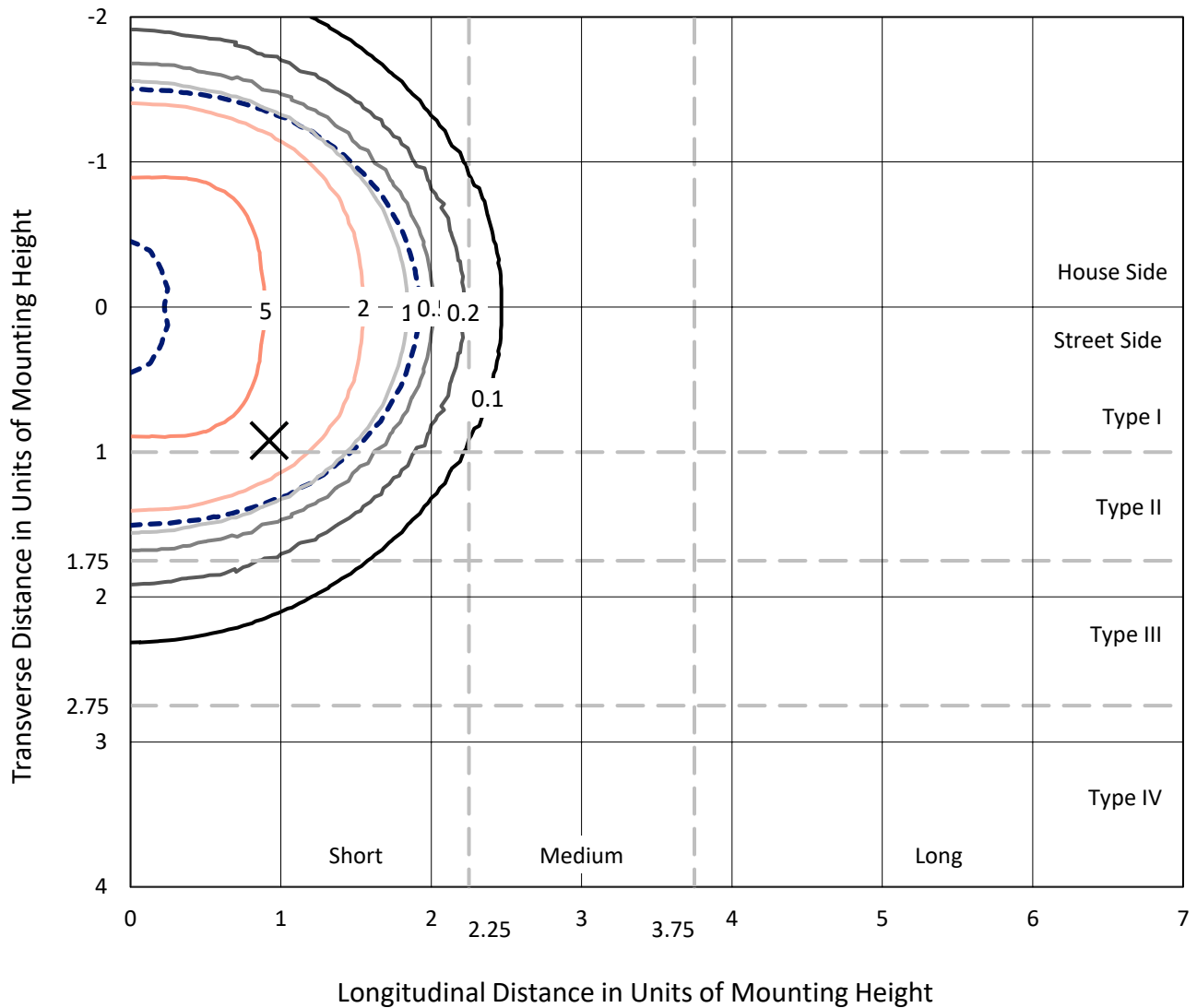
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

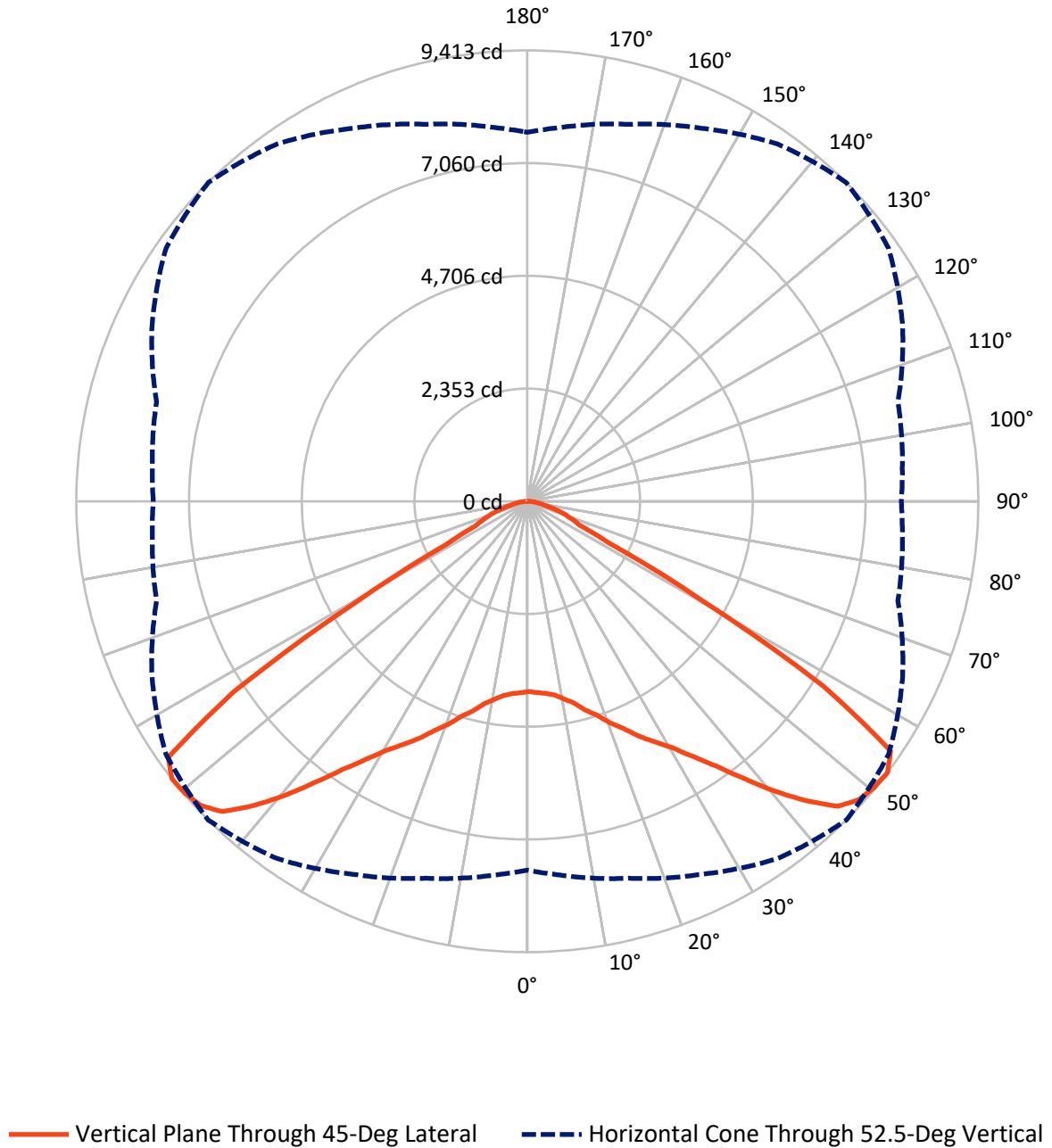
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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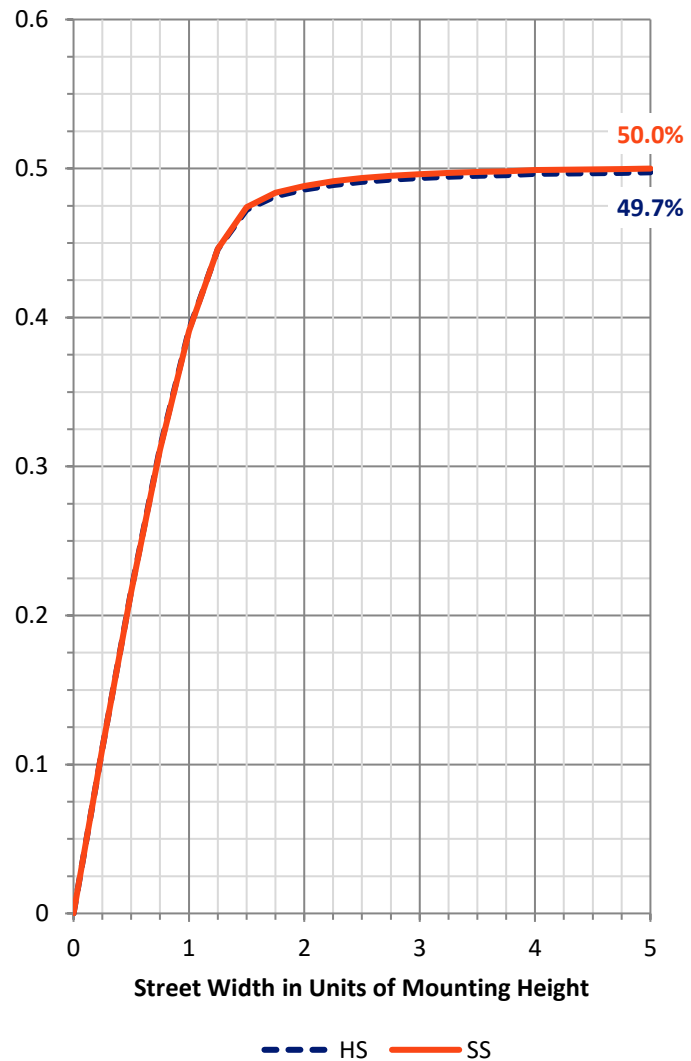
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11881.0	0.0	11881.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11881.0	0.0	11881.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23762.0	0.0	23762.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	1.6
10°-20°	1282.3	5.4
20°-30°	2441.4	10.3
30°-40°	4192.0	17.6
40°-50°	6443.3	27.1
50°-60°	6543.0	27.5
60°-70°	1823.4	7.7
70°-80°	537.9	2.3
80°-90°	108.4	0.5
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°	23762.0	100.0
0°-180°	23762.0	100.0



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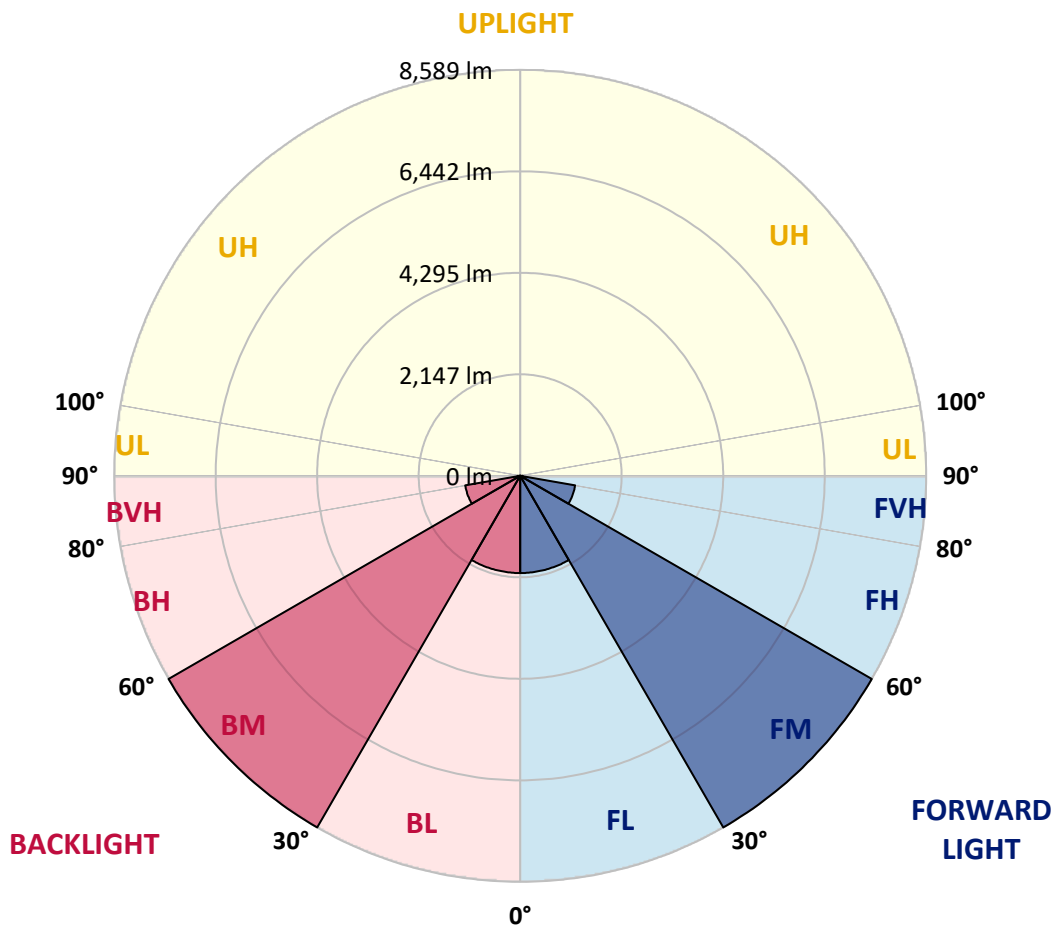
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2057.0	8.7			
FM (30°-60°)	8589.2	36.1			
FH (60°-80°)	1180.7	5.0			G1/1800
FVH (80°-90°)	54.2	0.2			G1/100
BL (0°-30°)	2057.0	8.7	B3/2500		
BM (30°-60°)	8589.2	36.1	B5		
BH (60°-80°)	1180.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	54.2	0.2			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°	3972.1	3972.1	3972.1	3972.1	3972.1	3972.1	3972.1	3972.1	3972.1	3972.1	3972.1
2.5°	3981.0	3939.7	3954.4	3963.3	4001.6	3998.7	3989.8	4001.6	4013.4	4016.4	4010.5
5°	3978.0	3948.5	3960.3	3969.2	4007.5	4028.2	4022.3	4072.4	4107.8	4098.9	4143.2
7.5°	3954.4	3972.1	3957.4	4001.6	4034.1	4084.2	4137.3	4184.5	4228.7	4278.8	4287.7
10°	4007.5	4007.5	4034.1	4069.4	4155.0	4193.3	4270.0	4337.8	4423.3	4482.3	4458.7
12.5°	4063.5	4072.4	4072.4	4163.8	4234.6	4320.1	4390.9	4482.3	4603.2	4674.0	4709.3
15°	4119.6	4125.5	4155.0	4278.8	4385.0	4520.6	4585.5	4668.1	4735.9	4868.6	4871.5
17.5°	4169.7	4202.1	4290.6	4429.2	4561.9	4691.7	4794.9	4880.4	4939.4	4992.4	4980.6
20°	4358.4	4382.0	4473.4	4612.0	4809.6	4936.4	4971.8	4986.5	5024.9	5131.0	5098.6
22.5°	4541.3	4550.1	4635.6	4847.9	4986.5	5154.6	5193.0	5184.1	5198.9	5225.4	5272.6
25°	4730.0	4744.7	4862.7	5042.6	5237.2	5437.7	5470.2	5402.3	5381.7	5411.2	5414.1
27.5°	4971.8	4974.7	5125.1	5281.4	5502.6	5691.3	5741.5	5688.4	5591.1	5614.7	5653.0
30°	5278.5	5257.8	5408.2	5632.3	5865.3	5971.5	6057.0	6030.4	5924.3	5903.6	5871.2
32.5°	5632.3	5638.2	5773.9	6018.6	6172.0	6348.9	6440.3	6396.1	6328.3	6292.9	6313.5
35°	6130.7	6157.2	6248.7	6452.1	6699.8	6788.3	6932.8	6838.4	6661.5	6705.7	6744.1
37.5°	6540.6	6617.3	6788.3	7030.1	7177.6	7339.7	7392.8	7266.0	7136.3	7083.2	7210.0
40°	7168.7	7145.1	7333.8	7575.7	7793.9	7956.1	7888.2	7761.4	7440.0	7443.0	7478.3
42.5°	7708.4	7720.1	7864.6	8153.6	8451.5	8551.7	8336.5	8026.8	7670.0	7631.7	7708.4
45°	8162.5	8209.7	8292.2	8678.5	8970.5	9079.6	8681.5	8315.8	7838.1	7678.9	7805.7
47.5°	8324.7	8401.3	8581.2	8935.1	9224.1	9312.5	8994.1	8469.2	7994.4	7734.9	7802.7
50°	8348.3	8321.7	8616.6	8941.0	9194.6	9386.3	9106.1	8581.2	7956.1	7820.4	7799.8
52.5°	7702.5	7832.2	8147.7	8593.0	9106.1	9412.8	9206.4	8643.1	8009.1	7855.8	7805.7
55°	6233.9	6080.6	6655.6	7404.6	8348.3	9200.5	9171.0	8675.6	8041.6	7914.8	7847.0
57.5°	3479.7	3523.9	3848.3	4662.2	5880.1	7295.5	8153.6	8333.5	8026.8	7953.1	7988.5
60°	1610.1	1624.8	1763.4	2143.8	2898.7	4137.3	5266.7	6413.8	6941.6	7047.8	7047.8
62.5°	1200.2	1194.3	1229.7	1297.5	1456.7	1902.0	2539.0	3450.2	4175.6	4682.8	4815.5
65°	1085.2	1082.2	1099.9	1123.5	1135.3	1197.2	1338.8	1618.9	1854.8	1990.5	1966.9
67.5°	949.5	946.6	952.5	967.2	987.9	1020.3	1055.7	1114.7	1197.2	1191.3	1176.6
70°	766.7	766.7	775.6	787.3	810.9	849.3	890.6	931.8	1002.6	1017.4	1014.4
72.5°	566.2	557.3	575.0	598.6	622.2	669.4	713.6	752.0	802.1	816.8	810.9
75°	359.8	365.7	377.5	404.0	445.3	477.7	524.9	557.3	589.8	601.6	604.5
77.5°	200.5	206.4	227.1	259.5	300.8	336.2	377.5	404.0	424.6	427.6	430.5
80°	120.9	123.9	144.5	174.0	209.4	247.7	280.1	306.7	324.4	315.5	312.6
82.5°	73.7	76.7	94.4	120.9	150.4	179.9	215.3	238.9	256.6	244.8	233.0
85°	38.3	41.3	56.0	73.7	97.3	112.1	112.1	100.3	97.3	91.4	88.5
87.5°	11.8	11.8	14.7	17.7	14.7	17.7	20.6	23.6	23.6	26.5	23.6
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)