

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: P647476

Luminaire Tested: **GALN-SA6D-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647476
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-SA6D-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA 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: 24674.7 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

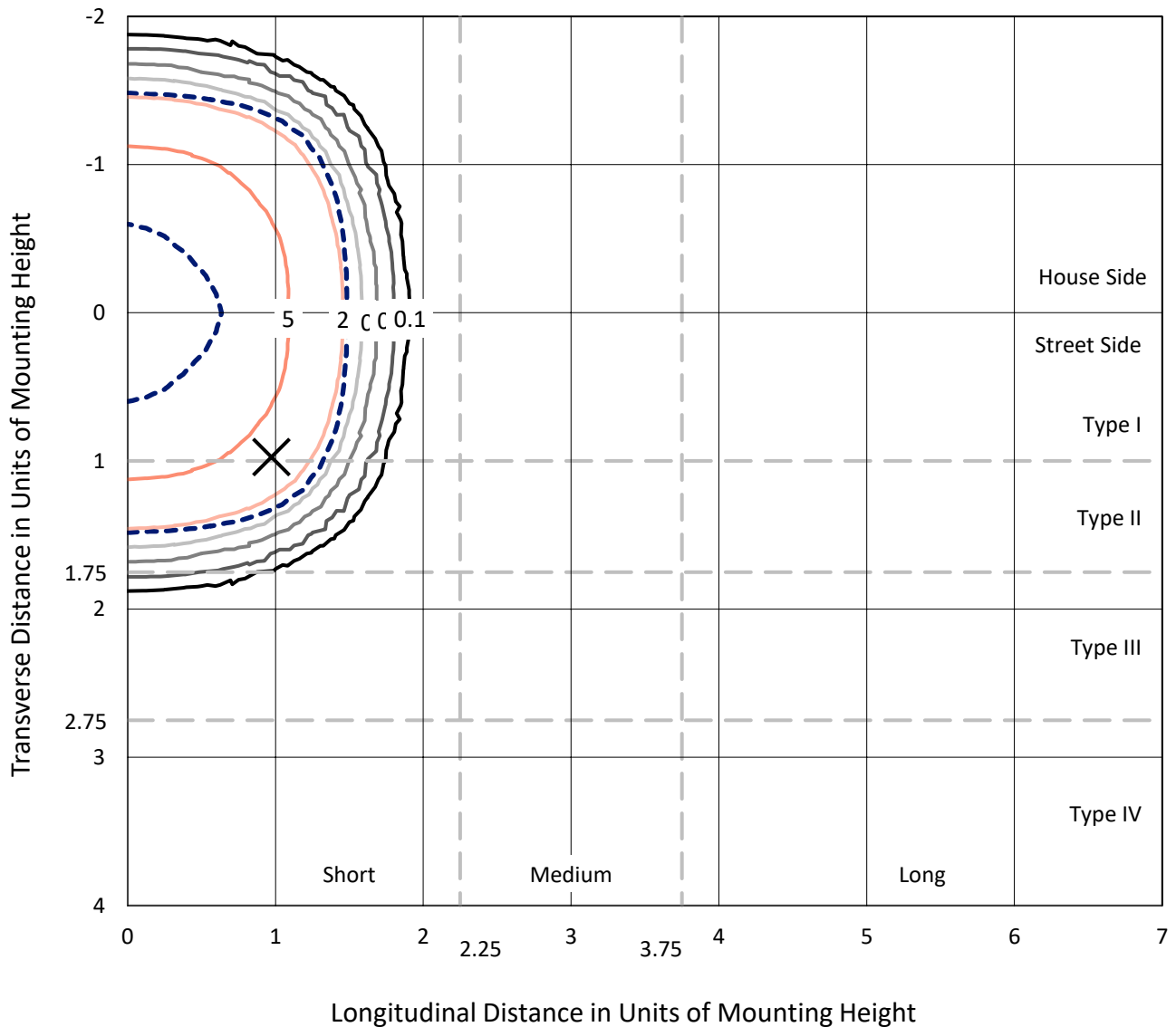
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

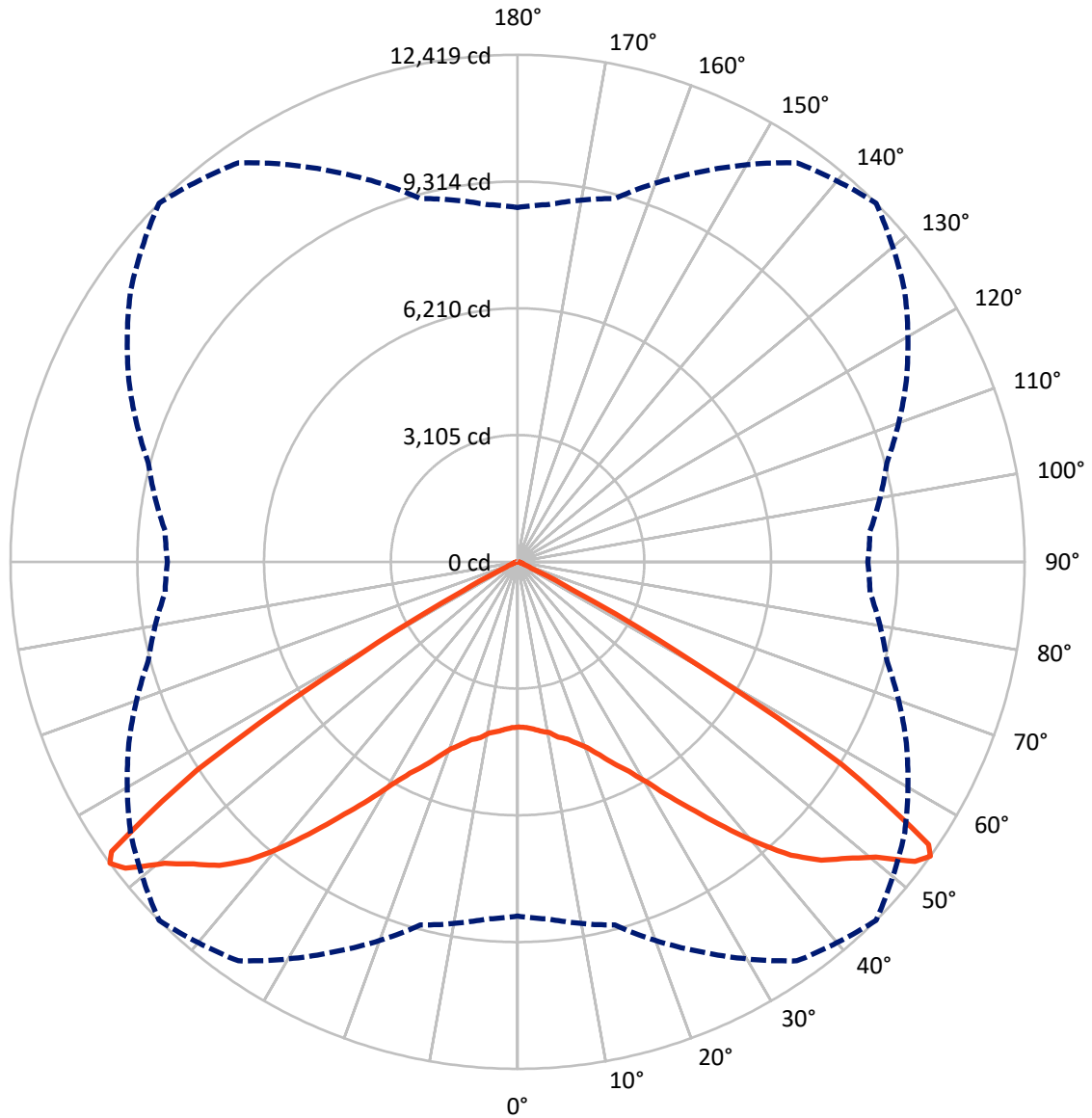
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	12337.3	0.0	12337.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12337.3	0.0	12337.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	24674.7	0.0	24674.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.0	1.6
10°-20°	1282.4	5.2
20°-30°	2513.4	10.2
30°-40°	4519.6	18.3
40°-50°	7736.7	31.4
50°-60°	7486.0	30.3
60°-70°	640.8	2.6
70°-80°	76.0	0.3
80°-90°	23.8	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°	24674.7	100.0
0°-180°	24674.7	100.0

Coefficient of Utilization

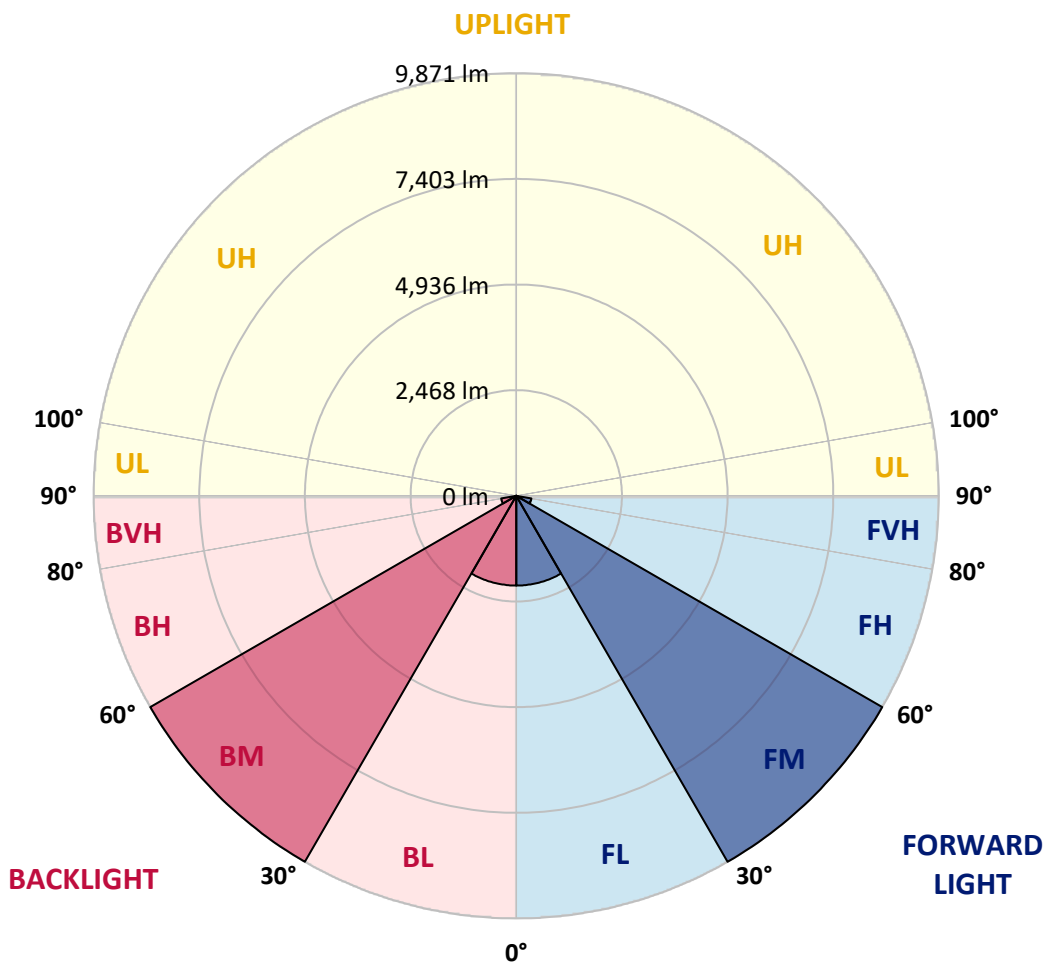


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2095.9	8.5			
FM (30°-60°)	9871.1	40.0			
FH (60°-80°)	358.4	1.5			G0/660
FVH (80°-90°)	11.9	0.0			G1/100
BL (0°-30°)	2095.9	8.5	B3/2500		
BM (30°-60°)	9871.1	40.0	B5		
BH (60°-80°)	358.4	1.5	B1/500		G0/660
BVH (80°-90°)	11.9	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°	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9
2.5°	4065.4	4088.9	4073.2	4085.0	4085.0	4065.4	4077.2	4030.3	4061.5	4038.1	4042.0
5°	4128.0	4124.1	4124.1	4128.0	4112.3	4120.1	4104.5	4088.9	4077.2	4061.5	4108.4
7.5°	4206.1	4206.1	4178.8	4186.6	4178.8	4190.5	4159.2	4128.0	4116.2	4104.5	4096.7
10°	4280.4	4272.6	4260.9	4296.1	4268.7	4253.0	4237.4	4217.9	4174.9	4159.2	4143.6
12.5°	4389.9	4386.0	4370.3	4405.5	4389.9	4405.5	4346.9	4296.1	4288.3	4237.4	4264.8
15°	4518.8	4554.1	4526.7	4526.7	4518.8	4499.4	4475.9	4452.5	4382.1	4362.5	4366.4
17.5°	4687.0	4675.2	4679.1	4679.1	4718.2	4667.4	4620.5	4561.8	4526.7	4514.9	4475.9
20°	4847.2	4862.9	4859.0	4886.3	4909.8	4855.1	4804.3	4796.4	4698.7	4714.4	4659.6
22.5°	5128.7	5117.0	5136.5	5156.1	5140.4	5132.6	5085.7	5027.0	4941.0	4902.0	4894.1
25°	5425.8	5406.2	5371.1	5418.0	5441.4	5476.6	5386.6	5355.4	5222.5	5163.9	5167.8
27.5°	5679.9	5707.2	5746.4	5765.9	5824.5	5812.8	5750.2	5648.6	5546.9	5480.5	5437.5
30°	6027.8	6043.4	6109.8	6137.2	6238.9	6266.2	6168.5	6051.3	5871.4	5785.4	5734.6
32.5°	6348.3	6457.8	6453.9	6590.7	6754.9	6868.2	6692.3	6512.5	6332.7	6231.0	6141.1
35°	6868.2	6848.7	6962.0	7106.7	7372.5	7501.5	7309.9	7102.7	6829.2	6665.0	6594.6
37.5°	7352.9	7360.7	7513.2	7743.9	8048.8	8248.1	8080.0	7740.0	7458.5	7247.4	7149.7
40°	8056.6	8072.2	8228.5	8490.5	8834.5	9049.4	8854.0	8510.0	8134.7	7970.5	7970.5
42.5°	8881.4	8947.8	9049.4	9276.2	9585.0	9823.4	9647.6	9377.8	8998.6	8787.6	8818.9
45°	9729.6	9761.0	9827.4	10163.6	10308.2	10425.5	10261.3	10136.2	9882.1	9624.1	9581.1
47.5°	10523.2	10535.0	10730.4	10835.9	10949.3	10851.5	10957.1	10793.0	10507.5	10257.4	10206.6
50°	10875.0	10855.4	11133.0	11453.6	11539.5	11367.5	11277.6	11168.2	10734.3	10433.3	10300.4
52.5°	9850.8	9964.2	10480.2	11371.4	12043.8	12188.5	11664.7	11160.3	10351.2	9764.9	9674.9
54°	8678.1	8783.7	9209.7	10531.0	11930.5	12419.1	11574.7	10503.6	9362.2	8666.4	8576.5
55°	7517.1	7399.8	8173.8	9522.5	11398.8	12215.8	11219.0	9655.4	8349.8	7712.6	7587.5
57.5°	4069.3	4088.9	4741.7	6016.0	8009.7	9366.1	8271.6	6532.0	4933.2	4217.9	4155.3
60°	1290.0	1321.2	1606.6	2431.4	3827.0	4569.7	3916.9	2623.0	1813.8	1454.2	1395.5
62.5°	402.6	418.3	457.4	680.2	1047.7	1497.2	1172.7	703.6	523.8	480.8	488.7
65°	246.3	246.3	250.2	265.8	312.7	363.5	351.8	308.8	297.1	289.2	285.3
67.5°	160.3	156.4	164.2	175.9	183.7	187.6	199.4	211.1	207.2	199.4	199.4
70°	97.7	93.8	101.6	117.3	121.2	129.0	140.7	156.4	152.5	144.6	148.5
72.5°	54.7	54.7	58.6	70.4	82.1	89.9	101.6	113.4	117.3	113.4	113.4
75°	19.6	23.5	31.2	43.0	50.8	62.6	74.3	86.0	97.7	89.9	86.0
77.5°	7.8	7.8	15.7	27.3	39.1	50.8	70.4	82.1	89.9	82.1	74.3
80°	3.9	3.9	11.7	23.5	35.2	46.9	58.6	70.4	74.3	66.5	58.6
82.5°	3.9	3.9	11.7	23.5	35.2	43.0	62.6	70.4	78.1	70.4	58.6
85°	0.0	3.9	11.7	23.5	31.2	35.2	35.2	23.5	19.6	11.7	11.7
87.5°	0.0	0.0	3.9	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)