

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: P647474

Luminaire Tested: **GALN-SA6D-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31704.4 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

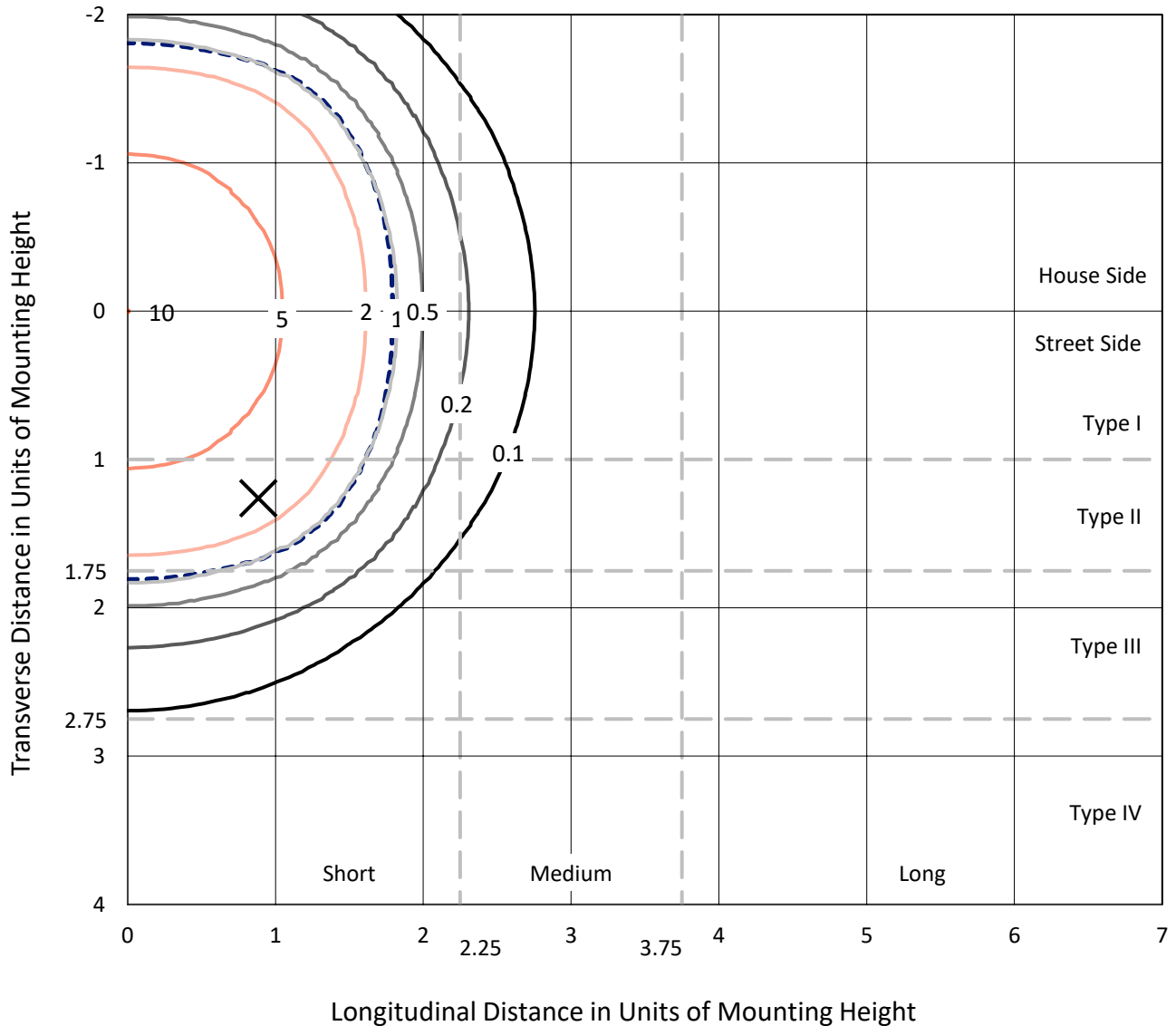




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Iso-Footcandle Lines of Horizontal Illumination

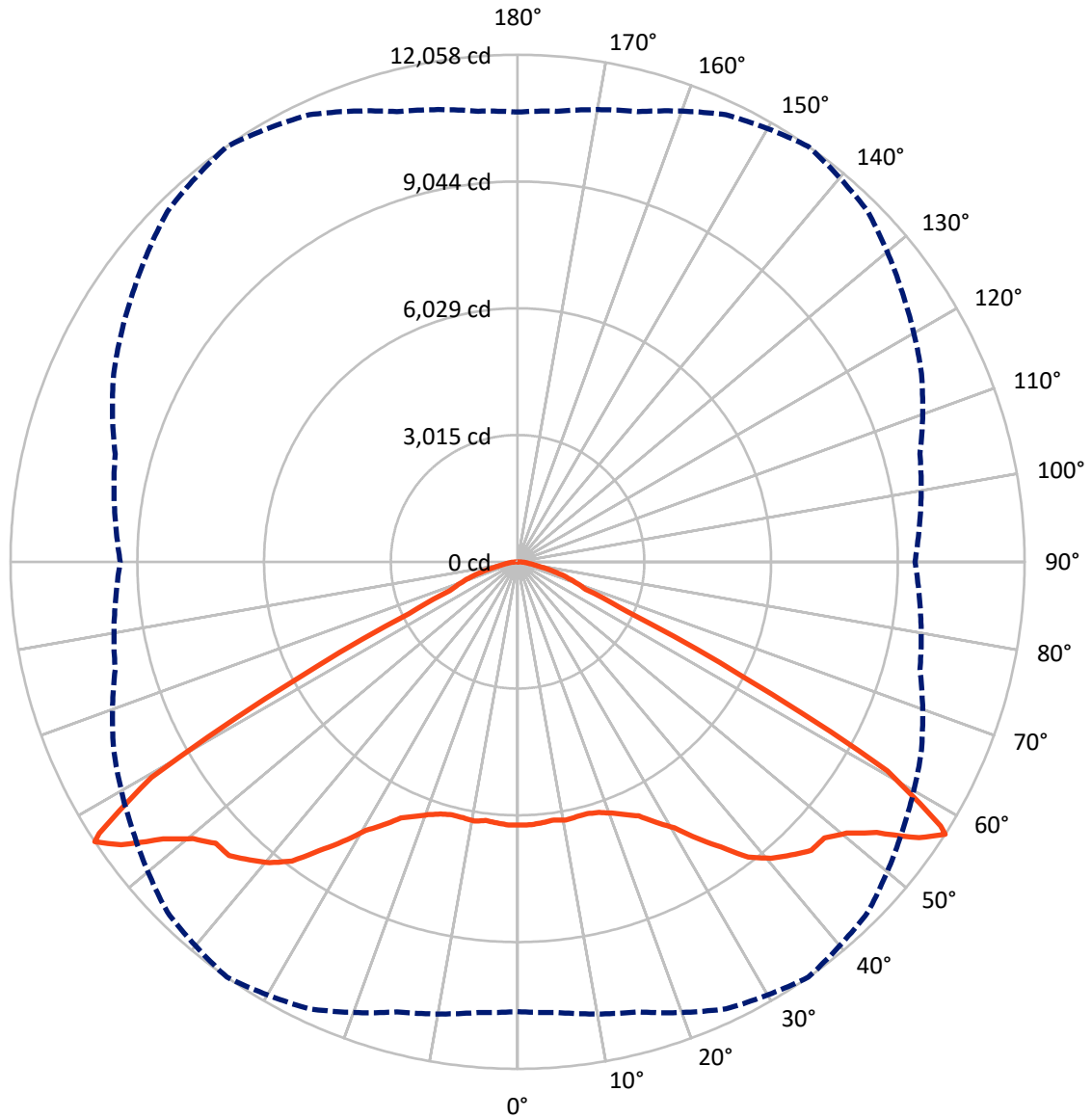
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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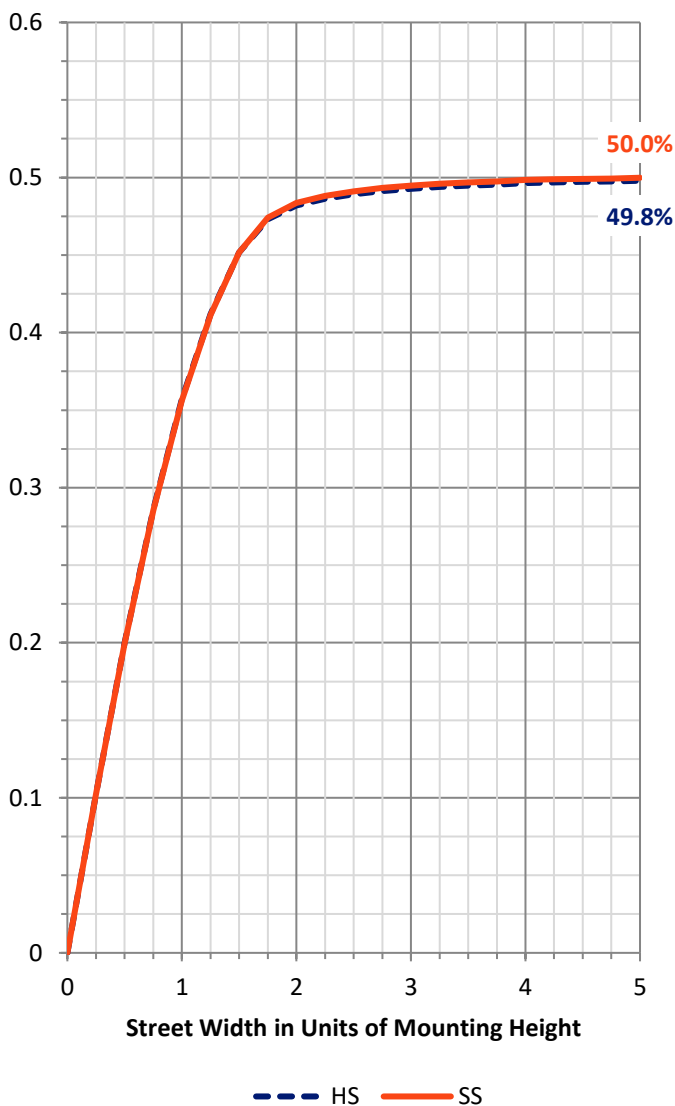
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15852.2	0.0	15852.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15852.2	0.0	15852.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	31704.4	0.0	31704.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.6	1.9
10°-20°	1758.1	5.5
20°-30°	3070.5	9.7
30°-40°	5031.0	15.9
40°-50°	7376.7	23.3
50°-60°	9291.6	29.3
60°-70°	3494.5	11.0
70°-80°	929.2	2.9
80°-90°	159.3	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°	31704.4	100.0
0°-180°	31704.4	100.0

Coefficient of Utilization



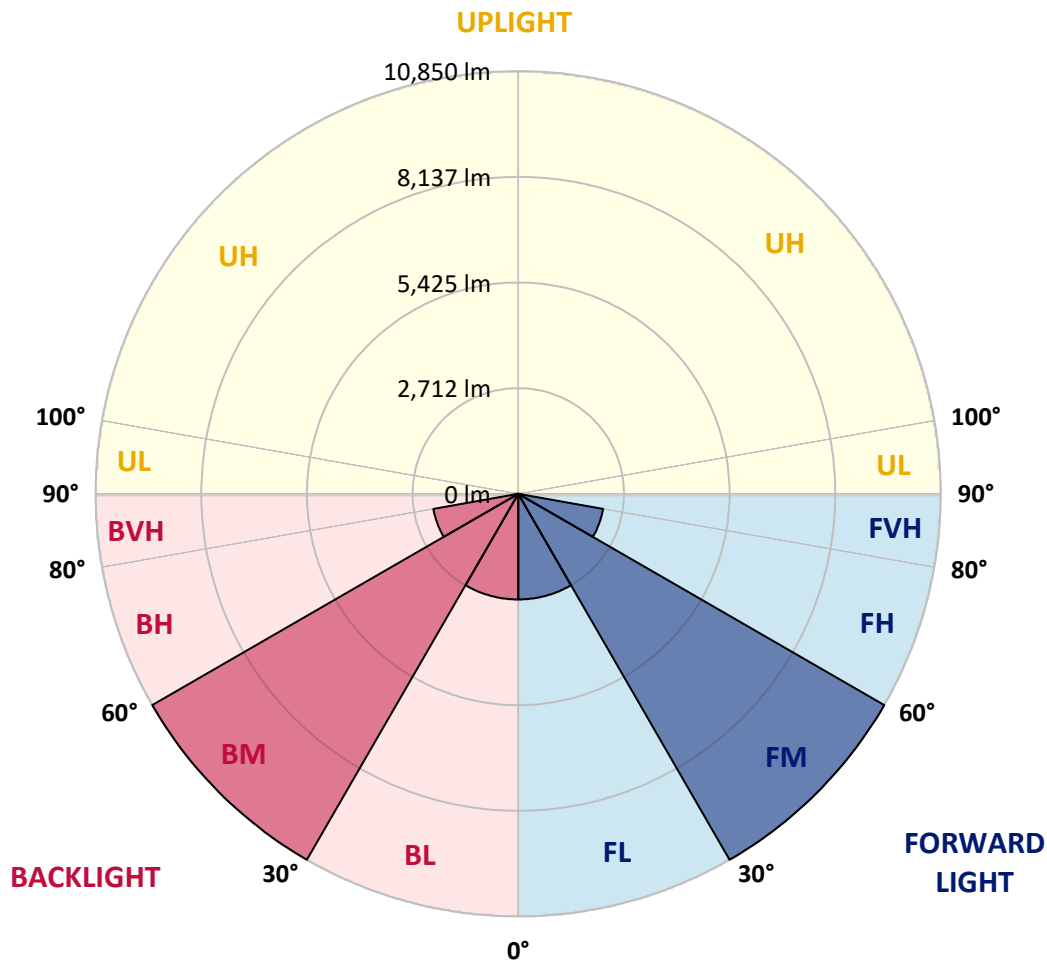
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2711.1	8.6			
FM (30°-60°)	10849.7	34.2			
FH (60°-80°)	2211.8	7.0			G2/5000
FVH (80°-90°)	79.7	0.3			G1/100
BL (0°-30°)	2711.1	8.6	B4/5000		
BM (30°-60°)	10849.7	34.2	B5		
BH (60°-80°)	2211.8	7.0	B3/2500		G2/5000
BVH (80°-90°)	79.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6261.4	6261.4	6261.4	6261.4	6261.4	6261.4	6261.4	6261.4	6261.4	6261.4	6261.4
2.5°	6230.2	6292.7	6265.3	6249.7	6261.4	6241.8	6210.6	6245.8	6237.9	6206.7	6195.0
5°	6214.5	6261.4	6230.2	6261.4	6230.2	6284.8	6269.2	6210.6	6280.9	6214.5	6237.9
7.5°	6202.8	6218.4	6226.3	6210.6	6198.9	6265.3	6230.2	6202.8	6163.8	6152.0	6171.5
10°	6175.4	6214.5	6155.9	6234.1	6249.7	6202.8	6202.8	6152.0	6120.8	6101.2	6167.6
12.5°	6245.8	6179.4	6171.5	6210.6	6222.3	6241.8	6187.2	6159.9	6101.2	6109.0	6097.4
15°	6163.8	6191.1	6195.0	6202.8	6214.5	6261.4	6210.6	6152.0	6128.6	6046.6	6054.4
17.5°	6195.0	6167.6	6195.0	6284.8	6269.2	6304.3	6249.7	6159.9	6105.1	6058.3	6120.8
20°	6249.7	6237.9	6249.7	6359.1	6378.6	6409.8	6363.0	6280.9	6175.4	6120.8	6152.0
22.5°	6308.2	6300.5	6308.2	6413.7	6527.0	6566.1	6519.2	6327.8	6273.1	6171.5	6136.4
25°	6413.7	6421.5	6503.6	6620.7	6695.0	6769.2	6683.2	6546.5	6370.8	6308.2	6234.1
27.5°	6648.1	6667.6	6714.5	6886.3	7015.3	7081.7	6960.6	6773.1	6663.7	6534.8	6515.3
30°	6937.1	6937.1	7019.2	7167.6	7343.4	7444.9	7296.5	7073.9	6941.1	6870.7	6827.8
32.5°	7320.0	7277.0	7308.2	7569.9	7843.3	7929.3	7730.1	7456.7	7245.7	7152.0	7120.8
35°	7648.0	7675.4	7745.7	8026.9	8331.6	8530.8	8218.3	7862.9	7648.0	7562.1	7546.5
37.5°	8073.8	8120.6	8155.8	8542.5	8909.7	8983.9	8683.2	8398.0	8136.3	8066.0	8026.9
40°	8675.3	8644.1	8655.8	8940.9	9273.0	9319.8	9023.0	8819.9	8605.0	8562.0	8562.0
42.5°	9171.4	9136.3	9175.3	9280.7	9534.7	9499.5	9335.5	9187.0	9097.2	9050.3	9097.2
45°	9472.2	9464.4	9534.7	9612.8	9792.4	9675.3	9546.4	9569.8	9483.9	9405.8	9401.9
47.5°	9800.3	9749.5	9835.4	9952.6	9815.9	9761.2	9753.4	9804.2	9776.9	9640.1	9597.2
50°	9960.4	9940.9	10077.6	10214.3	10140.1	10015.1	10042.4	10124.5	9772.9	9589.3	9483.9
52.5°	10390.1	10394.0	10655.7	10729.9	10698.7	10515.1	10573.7	10351.0	9937.0	9679.2	9690.9
55°	11065.8	11038.5	11331.4	11550.2	11585.3	11351.0	11069.7	10757.2	10237.7	9976.0	9897.9
57°	10694.8	10757.2	11081.5	11729.9	12058.0	11780.6	11167.4	10597.1	9905.7	9589.3	9448.7
57.5°	10198.7	10300.3	10862.7	11515.0	11858.8	11835.4	11046.3	10300.3	9683.1	9190.9	9202.7
60°	7472.2	7491.8	7999.6	9034.7	10108.8	10132.3	9171.4	8183.1	7495.7	6960.6	7034.8
62.5°	3941.2	4031.0	4234.2	5066.2	5995.8	6222.3	5640.3	5132.6	4538.8	4132.6	4171.7
65°	2085.8	2074.1	2171.7	2406.2	2863.1	2980.3	2902.2	2499.9	2292.9	2226.5	2230.4
67.5°	1695.2	1714.8	1703.0	1714.8	1746.0	1796.8	1785.1	1800.7	1812.4	1831.9	1828.0
70°	1437.4	1437.4	1445.3	1449.2	1449.2	1472.6	1499.9	1550.7	1554.6	1574.1	1582.0
72.5°	1132.8	1124.9	1136.7	1164.0	1167.9	1187.4	1226.5	1257.7	1269.5	1269.5	1246.1
75°	769.5	777.3	792.9	816.4	839.8	874.9	906.2	925.7	933.6	921.8	910.1
77.5°	433.5	441.4	453.1	488.3	515.6	546.8	582.0	601.5	621.1	625.0	601.5
80°	257.8	257.8	277.3	304.7	335.9	367.1	398.4	421.9	429.6	429.6	418.0
82.5°	156.2	160.1	175.8	203.1	230.4	250.0	277.3	296.8	312.5	308.6	300.8
85°	82.1	82.1	97.6	121.1	140.6	160.1	160.1	148.5	140.6	121.1	113.3
87.5°	27.3	23.4	31.2	31.2	27.3	31.2	31.2	35.2	35.2	35.2	35.2
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)