

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: P647480

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30472.8 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

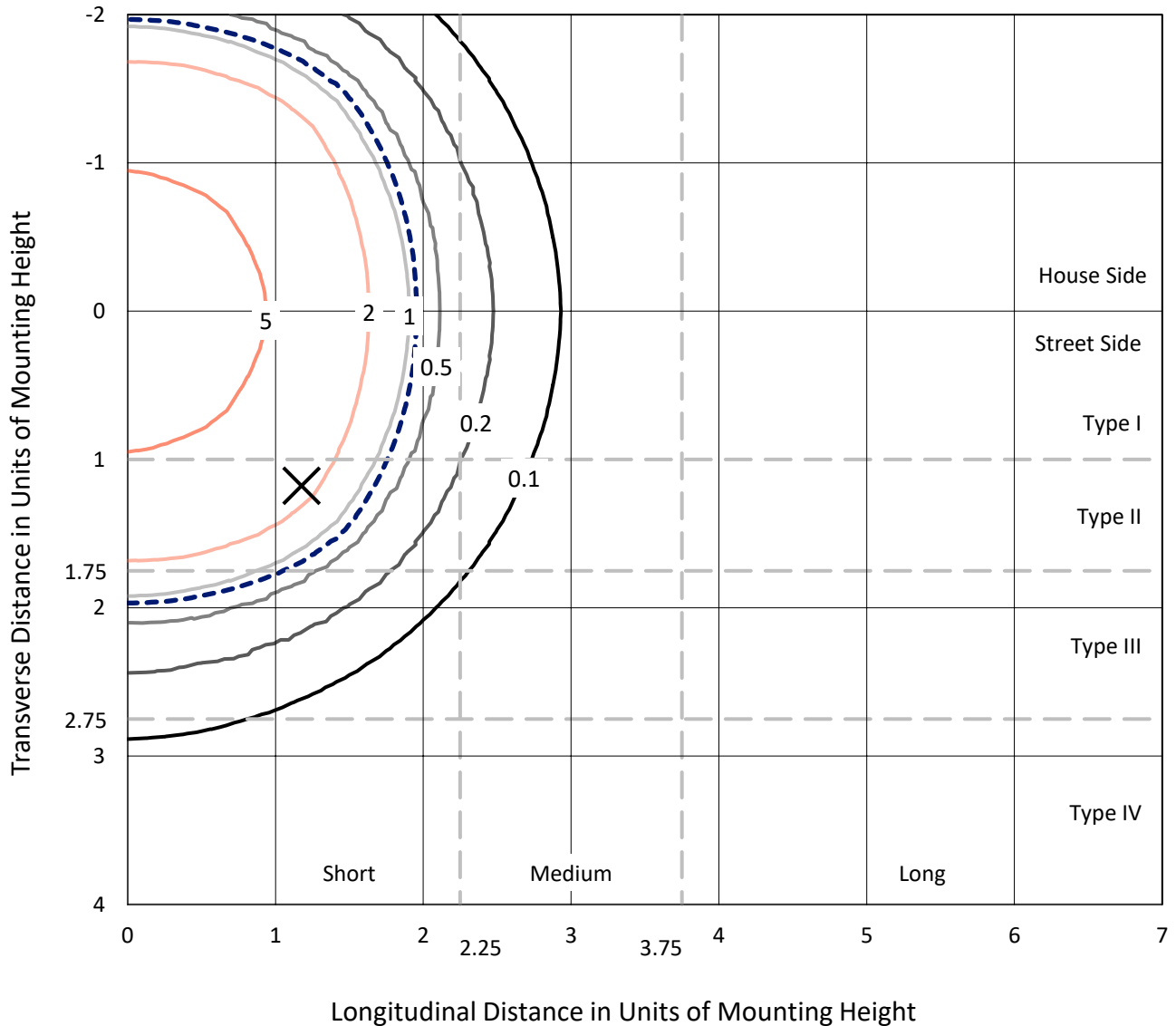
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

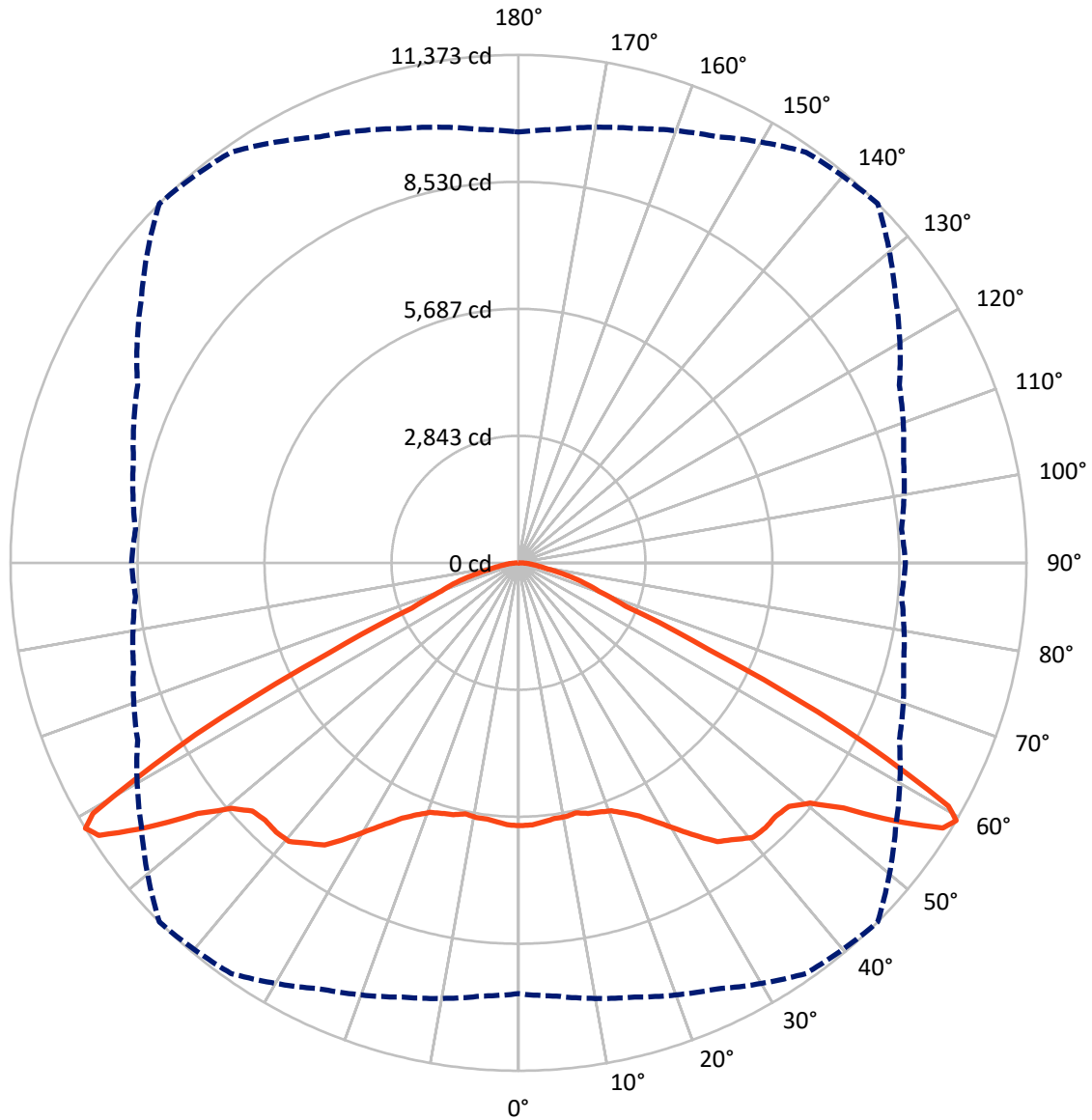
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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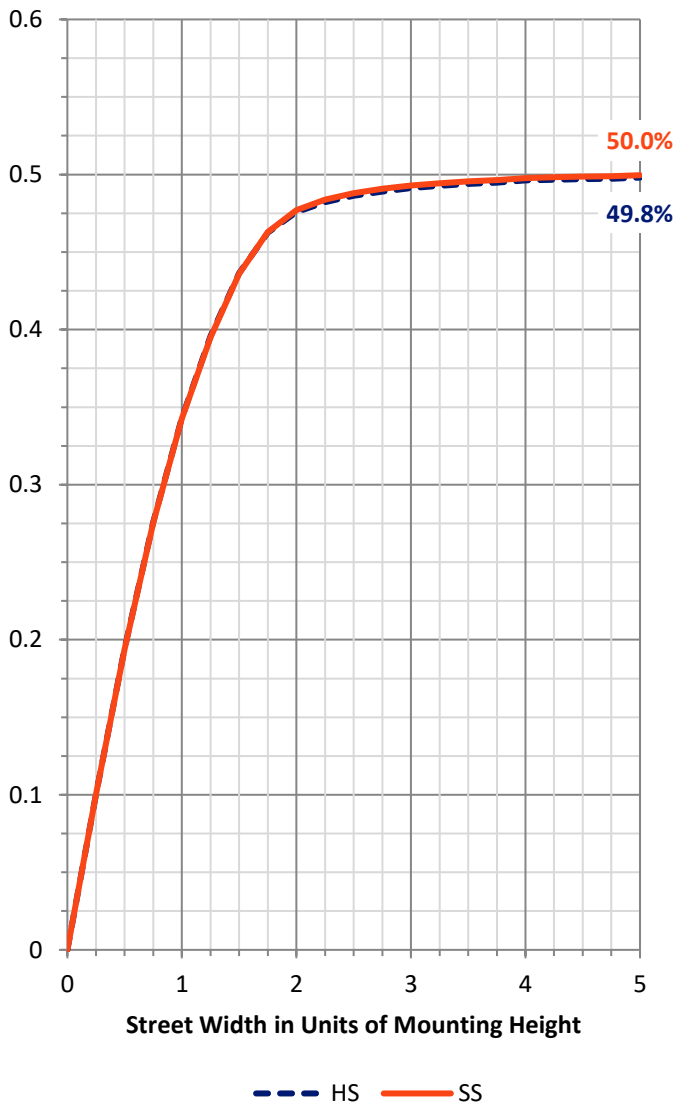
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15236.4	0.0	15236.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15236.4	0.0	15236.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	30472.8	0.0	30472.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.9	1.8
10°-20°	1650.0	5.4
20°-30°	2881.1	9.5
30°-40°	4601.6	15.1
40°-50°	6268.3	20.6
50°-60°	8476.4	27.8
60°-70°	4648.5	15.3
70°-80°	1189.2	3.9
80°-90°	202.8	0.7
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°	30472.8	100.0
0°-180°	30472.8	100.0

Coefficient of Utilization



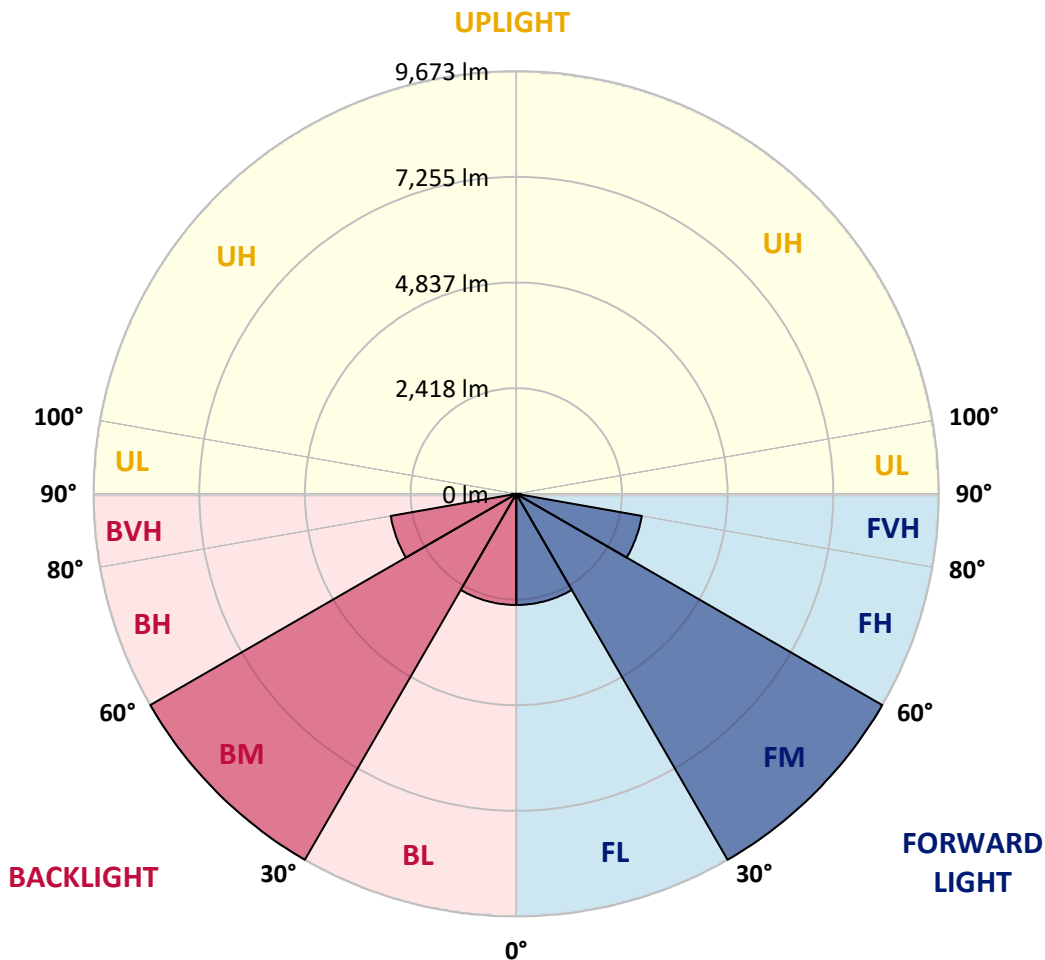
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2543.0	8.3			
FM (30°-60°)	9673.1	31.7			
FH (60°-80°)	2918.8	9.6			G2/5000
FVH (80°-90°)	101.4	0.3			G2/225
BL (0°-30°)	2543.0	8.3	B4/5000		
BM (30°-60°)	9673.1	31.7	B5		
BH (60°-80°)	2918.8	9.6	B4/5000		G2/5000
BVH (80°-90°)	101.4	0.3			G2/225
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°	5885.9	5885.9	5885.9	5885.9	5885.9	5885.9	5885.9	5885.9	5885.9	5885.9	5885.9
2.5°	5850.7	5893.7	5862.5	5889.8	5885.9	5874.1	5854.6	5842.9	5827.3	5850.7	5811.7
5°	5827.3	5862.5	5897.6	5850.7	5850.7	5827.3	5815.6	5792.2	5792.2	5788.2	5784.3
7.5°	5866.4	5831.2	5815.6	5823.4	5831.2	5780.4	5815.6	5768.8	5729.7	5757.0	5788.2
10°	5831.2	5846.8	5788.2	5815.6	5772.6	5780.4	5757.0	5788.2	5745.3	5745.3	5745.3
12.5°	5866.4	5823.4	5842.9	5823.4	5811.7	5745.3	5776.5	5741.3	5737.4	5776.5	5741.3
15°	5936.6	5866.4	5850.7	5811.7	5823.4	5823.4	5792.2	5796.1	5753.1	5776.5	5784.3
17.5°	5913.2	5874.1	5862.5	5815.6	5854.6	5866.4	5807.7	5768.8	5796.1	5792.2	5788.2
20°	5932.8	5948.4	5936.6	5944.5	5960.1	5928.9	5874.1	5819.5	5784.3	5835.2	5831.2
22.5°	6057.8	6042.1	6034.3	6026.5	6053.8	6085.1	6010.9	5925.0	5925.0	5960.1	5975.7
25°	6159.3	6155.4	6151.5	6186.6	6280.4	6280.4	6186.6	6077.3	6049.9	6073.3	6053.8
27.5°	6307.7	6350.7	6335.0	6397.5	6534.2	6565.5	6440.5	6311.6	6237.4	6210.1	6245.2
30°	6647.5	6596.7	6608.4	6674.8	6795.9	6897.4	6706.1	6569.4	6467.8	6463.9	6479.6
32.5°	6874.0	6913.1	6948.3	7010.7	7202.1	7280.3	7049.8	6827.1	6764.7	6729.5	6741.2
35°	7327.1	7291.9	7284.1	7346.7	7538.0	7666.9	7377.9	7182.6	7100.6	7178.7	7178.7
37.5°	7756.7	7659.1	7584.8	7666.9	7842.6	7858.3	7612.2	7506.8	7463.8	7553.6	7549.7
40°	7959.8	7952.0	7780.1	7827.0	8061.4	8084.8	7854.4	7729.4	7721.6	7838.8	7955.9
42.5°	8170.7	8096.5	7924.7	7955.9	8100.4	8108.2	7889.5	7854.4	7940.2	8053.5	8061.4
45°	8205.8	8143.4	8034.0	7955.9	8061.4	8084.8	7955.9	7979.3	7987.1	8123.9	8123.9
47.5°	8276.2	8268.3	8205.8	8147.3	8166.8	8147.3	8065.3	8100.4	8217.6	8284.0	8252.7
50°	8471.4	8389.5	8451.9	8401.1	8405.0	8459.8	8385.5	8420.7	8397.3	8338.6	8299.6
52.5°	8901.1	8862.0	8916.7	8951.9	8991.0	9115.9	9029.9	8842.5	8666.7	8510.5	8506.6
55°	9529.9	9557.2	9662.7	9842.4	9994.7	10193.9	9779.9	9330.7	9049.5	8803.4	8819.1
57.5°	10123.6	10104.1	10248.5	10658.7	11103.9	11205.4	10393.1	9752.5	9295.5	9139.3	9072.9
59°	9647.1	9740.8	10068.9	10525.9	11225.0	11373.4	10311.0	9408.8	8924.6	8608.1	8662.8
60°	8897.2	8932.3	9225.2	9861.9	10807.0	11061.0	9760.3	8877.7	8233.2	8049.6	8131.7
62.5°	6288.2	6260.9	6471.7	6991.2	7838.8	8182.4	7256.8	6635.8	6229.6	6026.5	6073.3
65°	3343.3	3468.3	3554.2	3878.4	4327.5	4690.7	4308.0	4038.5	3812.0	3644.0	3640.1
67.5°	2257.5	2241.9	2261.4	2335.6	2487.9	2589.5	2581.6	2445.0	2425.4	2394.2	2429.3
70°	1902.1	1894.2	1859.1	1859.1	1890.3	1913.8	1941.1	1956.7	1988.0	2027.0	2023.1
72.5°	1542.7	1523.2	1499.8	1488.1	1527.2	1538.8	1574.0	1589.6	1617.0	1613.1	1648.2
75°	1019.4	1019.4	1046.7	1078.0	1089.7	1113.1	1117.0	1163.9	1163.9	1171.7	1140.4
77.5°	570.3	554.6	574.2	605.4	632.7	675.7	718.6	753.8	773.3	765.5	765.5
80°	332.0	332.0	351.5	386.6	421.8	460.9	492.1	519.4	539.0	531.2	515.5
82.5°	207.0	207.0	226.5	261.7	289.0	312.4	355.4	390.6	414.0	406.2	386.6
85°	105.5	105.5	128.9	152.3	187.5	203.1	199.2	183.5	179.7	160.1	160.1
87.5°	27.3	27.3	39.1	43.0	35.2	39.1	39.1	39.1	39.1	39.1	43.0
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)