

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: P530332

Luminaire Tested: **GALN-SA5C-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530332
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-SA5C-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1050mA 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: 29870 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

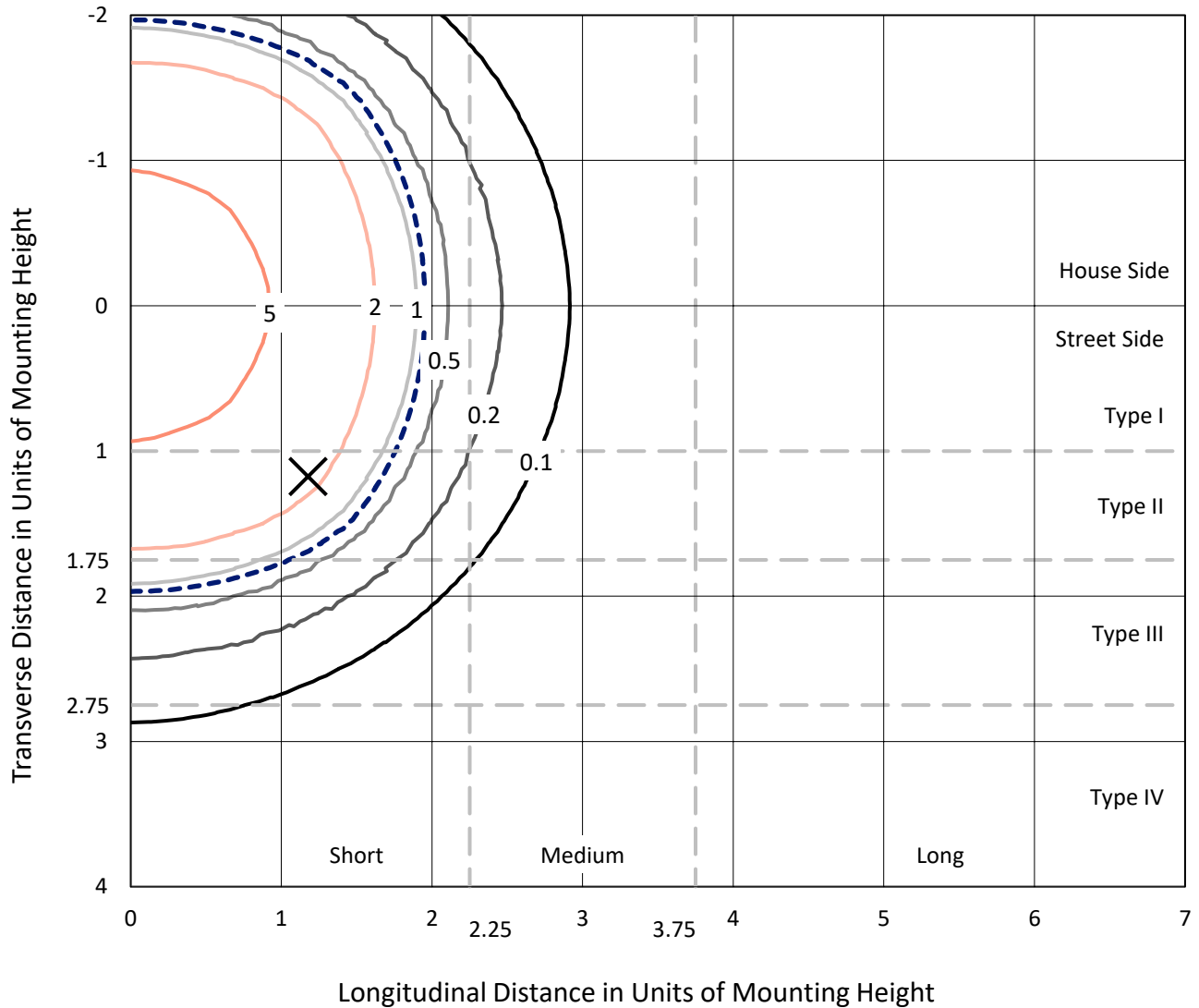
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

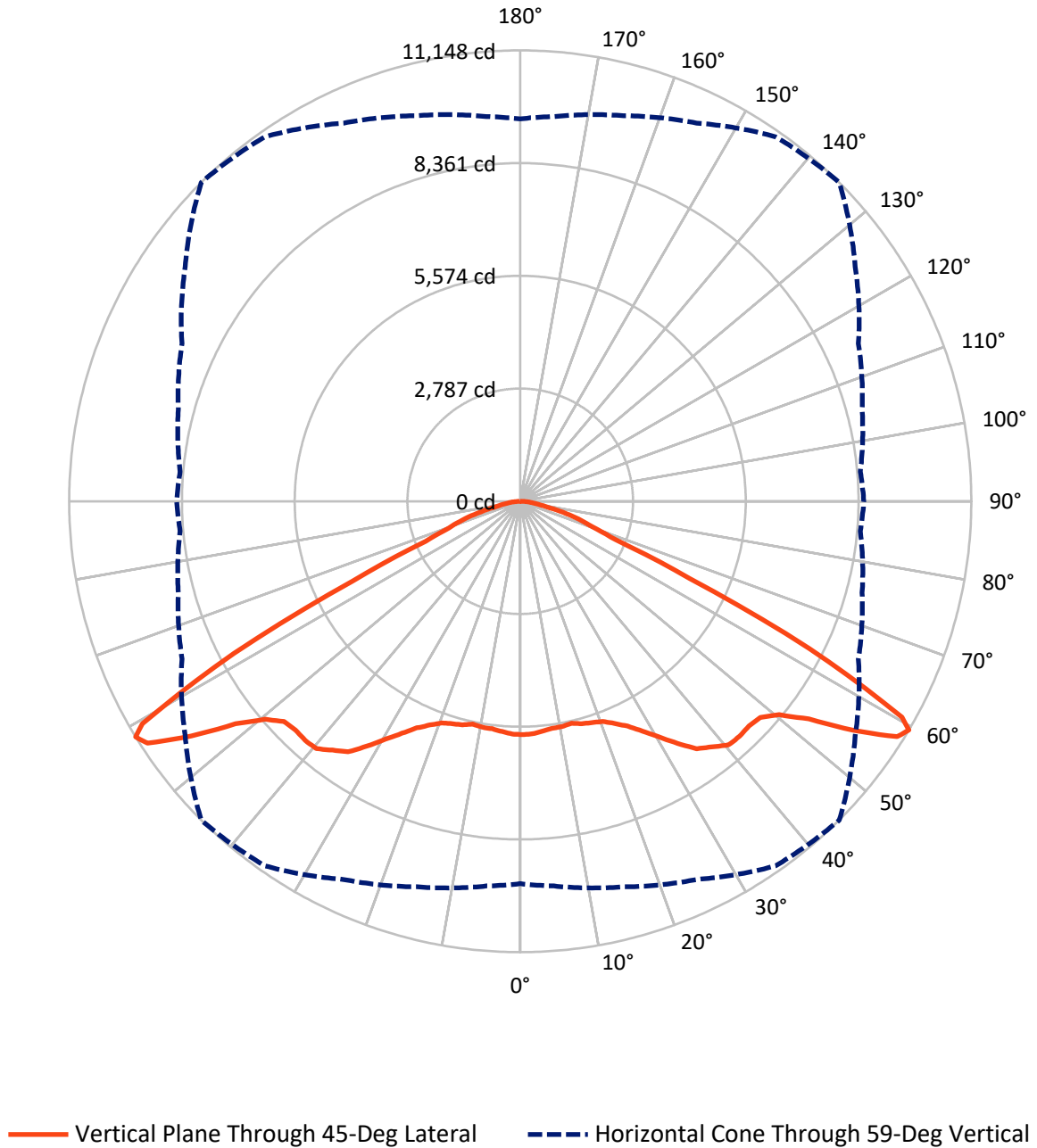
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	14935.0	0.0	14935.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14935.0	0.0	14935.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29870.0	0.0	29870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.9	1.8
10°-20°	1617.4	5.4
20°-30°	2824.1	9.5
30°-40°	4510.6	15.1
40°-50°	6144.3	20.6
50°-60°	8308.7	27.8
60°-70°	4556.5	15.3
70°-80°	1165.7	3.9
80°-90°	198.8	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°	29870.0	100.0
0°-180°	29870.0	100.0

Coefficient of Utilization



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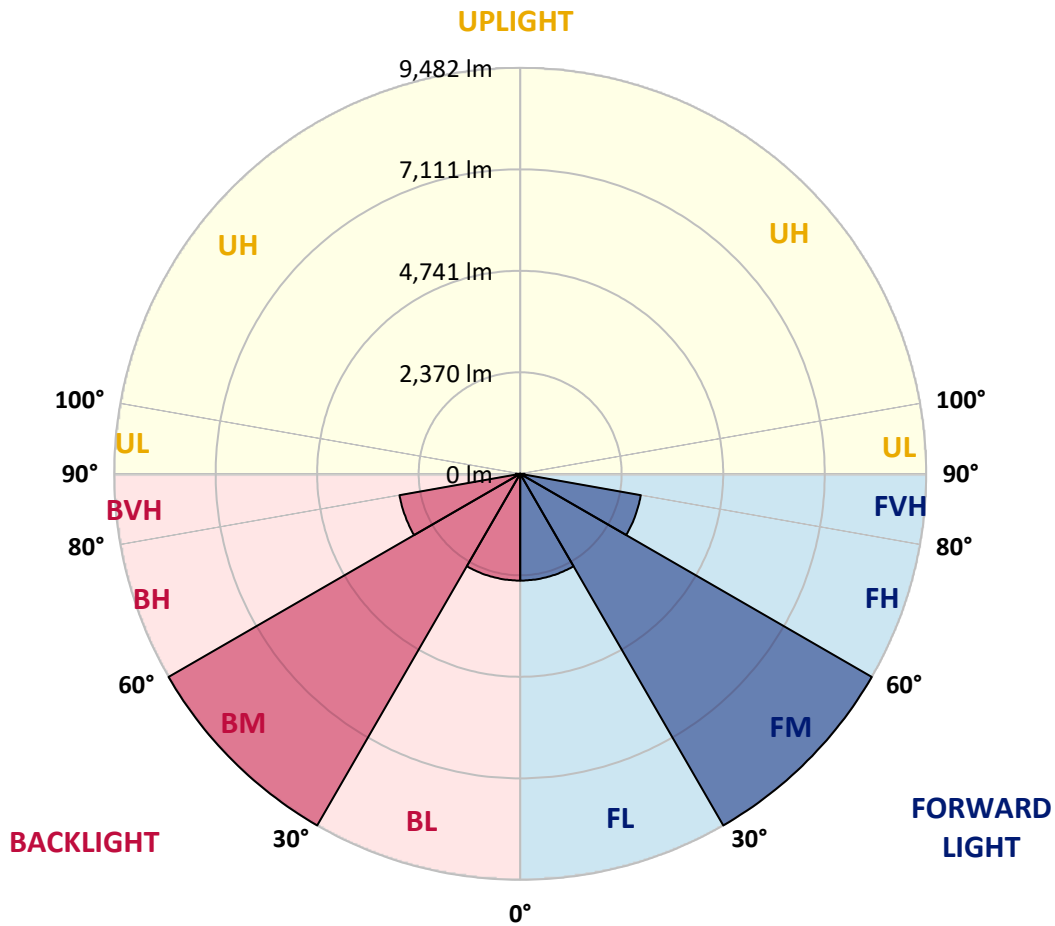
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2492.7	8.3			
FM (30°-60°)	9481.8	31.7			
FH (60°-80°)	2861.1	9.6			G2/5000
FVH (80°-90°)	99.4	0.3			G1/100
BL (0°-30°)	2492.7	8.3	B3/2500		
BM (30°-60°)	9481.8	31.7	B5		
BH (60°-80°)	2861.1	9.6	B4/5000		G2/5000
BVH (80°-90°)	99.4	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°	5769.5	5769.5	5769.5	5769.5	5769.5	5769.5	5769.5	5769.5	5769.5	5769.5	5769.5
2.5°	5735.0	5777.1	5746.5	5773.3	5769.5	5758.0	5738.8	5727.3	5712.0	5735.0	5696.7
5°	5712.0	5746.5	5780.9	5735.0	5735.0	5712.0	5700.5	5677.6	5677.6	5673.7	5669.9
7.5°	5750.3	5715.9	5700.5	5708.2	5715.9	5666.1	5700.5	5654.6	5616.3	5643.1	5673.7
10°	5715.9	5731.2	5673.7	5700.5	5658.4	5666.1	5643.1	5673.7	5631.6	5631.6	5631.6
12.5°	5750.3	5708.2	5727.3	5708.2	5696.7	5631.6	5662.3	5627.8	5624.0	5662.3	5627.8
15°	5819.2	5750.3	5735.0	5696.7	5708.2	5708.2	5677.6	5681.4	5639.3	5662.3	5669.9
17.5°	5796.3	5758.0	5746.5	5700.5	5738.8	5750.3	5692.9	5654.6	5681.4	5677.6	5673.7
20°	5815.4	5830.7	5819.2	5826.9	5842.2	5811.6	5758.0	5704.4	5669.9	5719.7	5715.9
22.5°	5937.9	5922.6	5914.9	5907.3	5934.1	5964.7	5892.0	5807.7	5807.7	5842.2	5857.5
25°	6037.4	6033.6	6029.8	6064.2	6156.1	6156.1	6064.2	5957.0	5930.2	5953.2	5934.1
27.5°	6182.9	6225.0	6209.7	6271.0	6405.0	6435.6	6313.1	6186.8	6114.0	6087.2	6121.7
30°	6516.0	6466.2	6477.7	6542.8	6661.5	6761.0	6573.4	6439.4	6339.9	6336.1	6351.4
32.5°	6738.1	6776.3	6810.8	6872.0	7059.6	7136.2	6910.3	6692.1	6630.9	6596.4	6607.9
35°	7182.1	7147.7	7140.0	7201.3	7388.9	7515.2	7231.9	7040.5	6960.1	7036.7	7036.7
37.5°	7603.3	7507.6	7434.8	7515.2	7687.5	7702.8	7461.6	7358.3	7316.1	7404.2	7400.4
40°	7802.4	7794.7	7626.2	7672.2	7901.9	7924.9	7699.0	7576.5	7568.8	7683.7	7798.5
42.5°	8009.1	7936.4	7767.9	7798.5	7940.2	7947.8	7733.4	7699.0	7783.2	7894.2	7901.9
45°	8043.5	7982.3	7875.1	7798.5	7901.9	7924.9	7798.5	7821.5	7829.2	7963.2	7963.2
47.5°	8112.5	8104.8	8043.5	7986.1	8005.3	7986.1	7905.7	7940.2	8055.0	8120.1	8089.5
50°	8303.9	8223.5	8284.7	8235.0	8238.8	8292.4	8219.7	8254.1	8231.1	8173.7	8135.4
52.5°	8725.0	8686.7	8740.3	8774.8	8813.1	8935.6	8851.3	8667.6	8495.3	8342.2	8338.3
55°	9341.4	9368.2	9471.6	9647.7	9797.0	9992.2	9586.4	9146.1	8870.5	8629.3	8644.6
57.5°	9923.3	9904.2	10045.8	10447.8	10884.2	10983.8	10187.5	9559.6	9111.7	8958.5	8893.5
59°	9456.2	9548.1	9869.7	10317.6	11002.9	11148.4	10107.1	9222.7	8748.0	8437.9	8491.5
60°	8721.2	8755.6	9042.8	9666.8	10593.3	10842.1	9567.3	8702.0	8070.3	7890.4	7970.8
62.5°	6163.8	6137.0	6343.7	6852.9	7683.7	8020.6	7113.2	6504.5	6106.4	5907.3	5953.2
65°	3277.1	3399.7	3483.9	3801.6	4241.9	4598.0	4222.8	3958.6	3736.6	3571.9	3568.1
67.5°	2212.8	2197.5	2216.7	2289.4	2438.7	2538.3	2530.6	2396.6	2377.5	2346.8	2381.3
70°	1864.4	1856.8	1822.3	1822.3	1853.0	1875.9	1902.7	1918.0	1948.7	1987.0	1983.1
72.5°	1512.2	1493.1	1470.1	1458.6	1496.9	1508.4	1542.9	1558.2	1585.0	1581.1	1615.6
75°	999.2	999.2	1026.0	1056.6	1068.1	1091.1	1094.9	1140.9	1140.9	1148.5	1117.9
77.5°	559.0	543.6	562.8	593.4	620.2	662.3	704.4	738.9	758.0	750.4	750.4
80°	325.4	325.4	344.6	379.0	413.5	451.8	482.4	509.2	528.3	520.7	505.4
82.5°	202.9	202.9	222.0	256.5	283.3	306.3	348.4	382.8	405.8	398.2	379.0
85°	103.4	103.4	126.3	149.3	183.8	199.1	195.3	179.9	176.1	157.0	157.0
87.5°	26.8	26.8	38.3	42.1	34.5	38.3	38.3	38.3	38.3	38.3	42.1
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)