

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: P531220

Luminaire Tested: **GALN-SA6C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531220
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-SA6C-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA 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: 33268 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

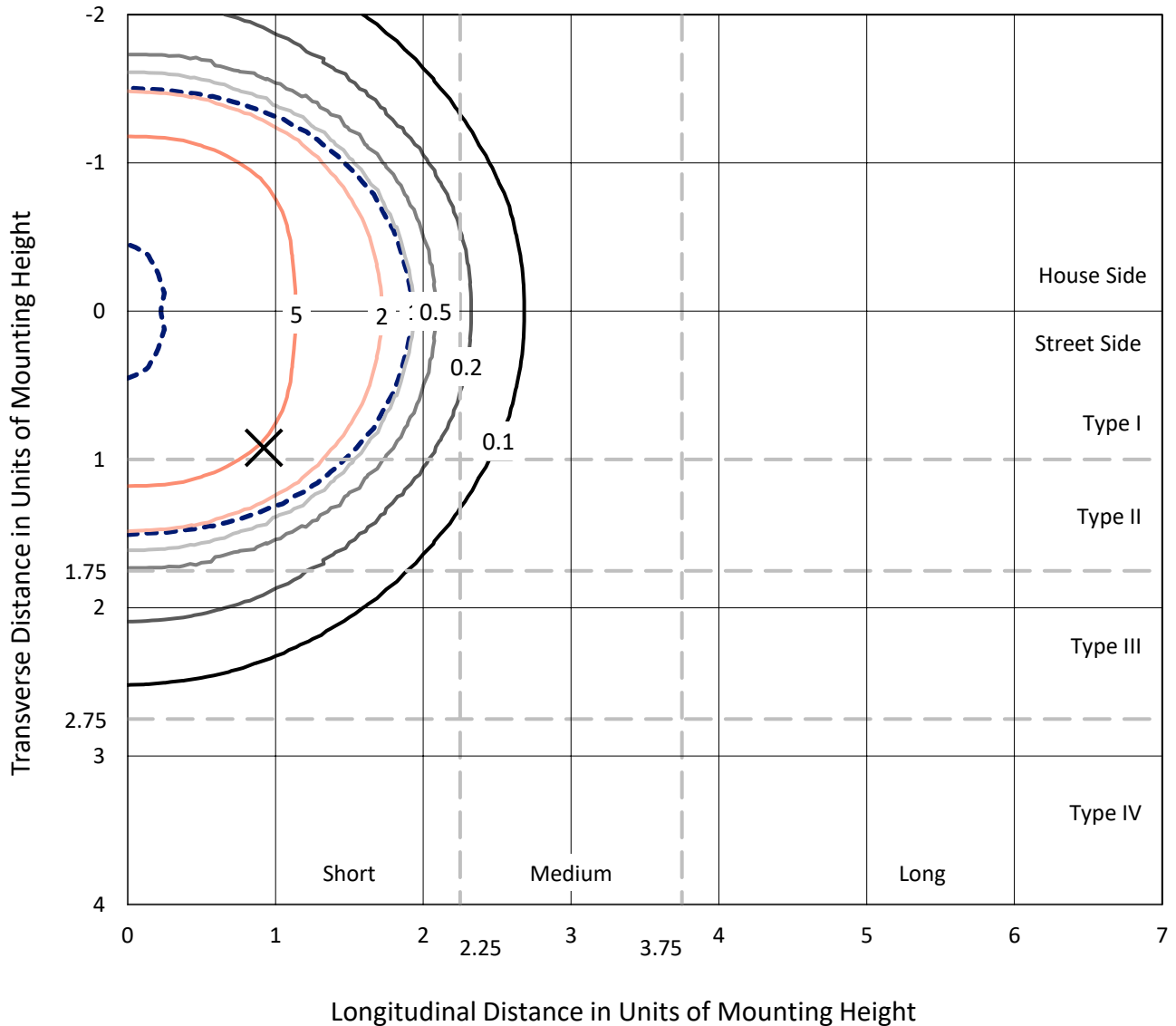
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

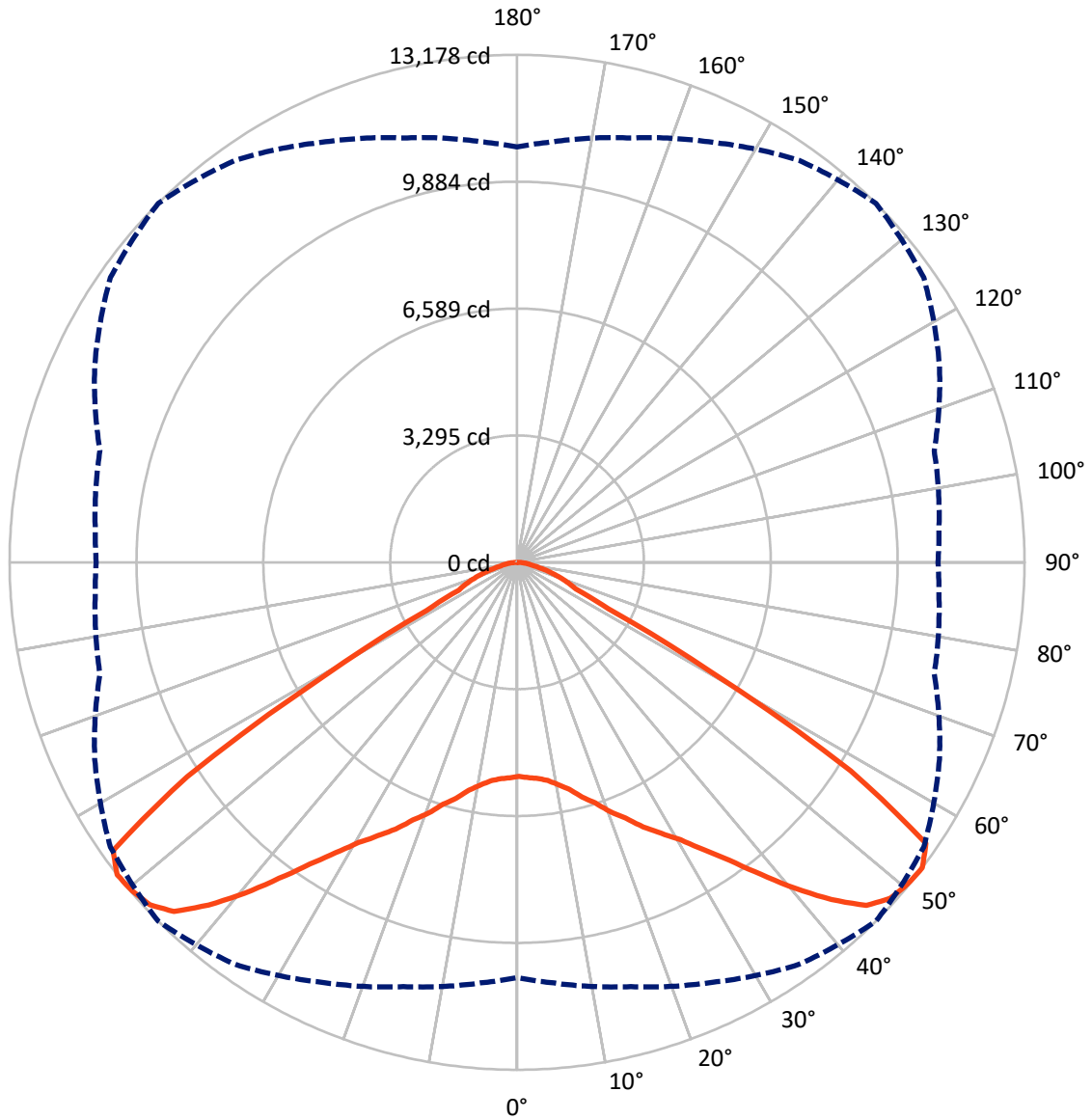
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16634.0	0.0	16634.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16634.0	0.0	16634.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33268.0	0.0	33268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.4	1.6
10°-20°	1795.3	5.4
20°-30°	3418.1	10.3
30°-40°	5869.1	17.6
40°-50°	9020.9	27.1
50°-60°	9160.6	27.5
60°-70°	2552.9	7.7
70°-80°	753.1	2.3
80°-90°	151.7	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°	33268.0	100.0
0°-180°	33268.0	100.0

Coefficient of Utilization



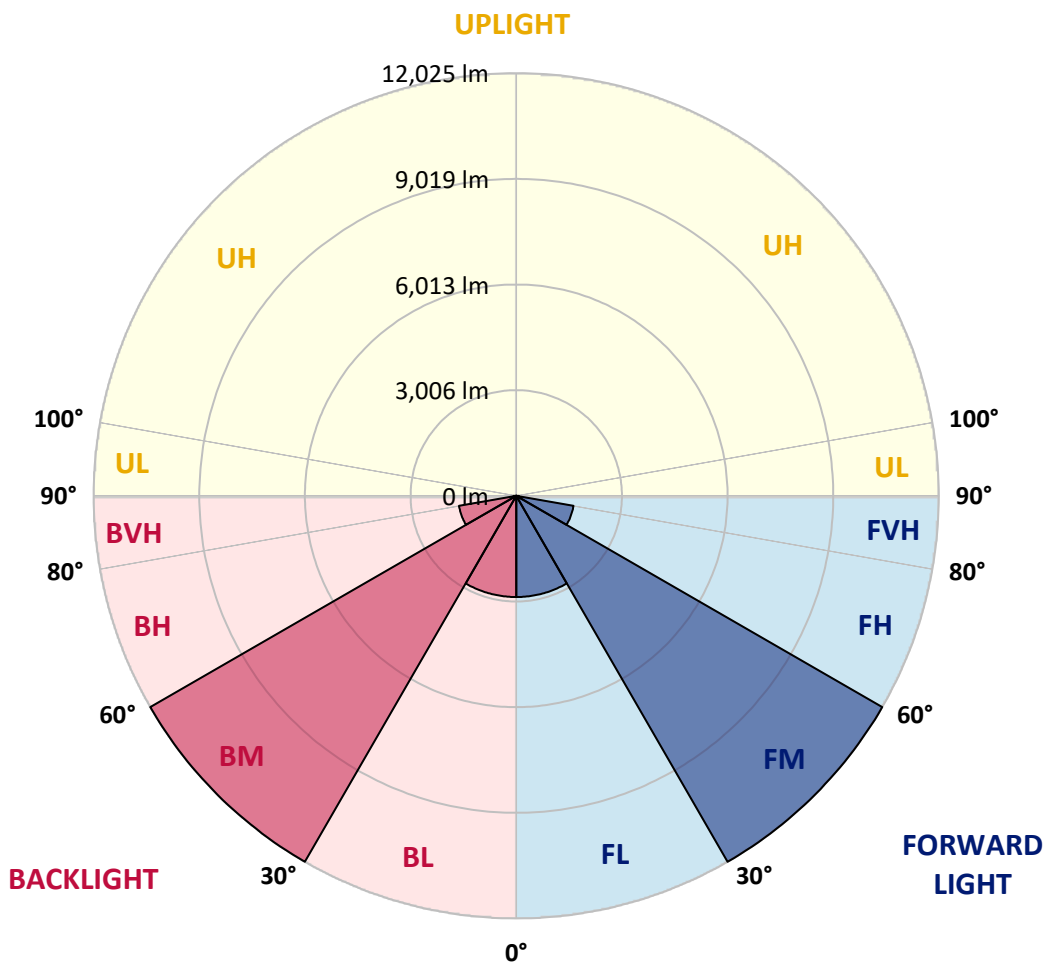
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2879.9	8.7			
FM (30°-60°)	12025.3	36.1			
FH (60°-80°)	1653.0	5.0			G1/1800
FVH (80°-90°)	75.8	0.2			G1/100
BL (0°-30°)	2879.9	8.7	B4/5000		
BM (30°-60°)	12025.3	36.1	B5		
BH (60°-80°)	1653.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	75.8	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°	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2	5561.2
2.5°	5573.6	5515.8	5536.4	5548.8	5602.5	5598.3	5586.0	5602.5	5619.0	5623.1	5614.9
5°	5569.4	5528.2	5544.7	5557.1	5610.7	5639.6	5631.4	5701.6	5751.1	5738.7	5800.6
7.5°	5536.4	5561.2	5540.5	5602.5	5647.9	5718.1	5792.4	5858.4	5920.4	5990.6	6002.9
10°	5610.7	5610.7	5647.9	5697.4	5817.2	5870.8	5978.2	6073.1	6192.9	6275.4	6242.4
12.5°	5689.2	5701.6	5701.6	5829.5	5928.6	6048.4	6147.4	6275.4	6444.7	6543.8	6593.3
15°	5767.6	5775.9	5817.2	5990.6	6139.2	6329.1	6419.9	6535.5	6630.5	6816.3	6820.4
17.5°	5837.8	5883.2	6007.1	6201.1	6386.9	6568.6	6713.1	6832.8	6915.4	6989.7	6973.2
20°	6102.0	6135.1	6263.0	6457.1	6733.7	6911.2	6960.8	6981.4	7035.1	7183.7	7138.3
22.5°	6358.0	6370.4	6490.1	6787.4	6981.4	7216.7	7270.4	7258.0	7278.7	7315.8	7381.9
25°	6622.2	6642.9	6808.0	7059.9	7332.3	7613.1	7658.5	7563.5	7534.6	7575.9	7580.1
27.5°	6960.8	6964.9	7175.5	7394.3	7703.9	7968.1	8038.3	7964.0	7827.8	7860.8	7914.5
30°	7390.1	7361.2	7571.8	7885.6	8211.7	8360.4	8480.1	8442.9	8294.3	8265.4	8220.0
32.5°	7885.6	7893.8	8083.7	8426.4	8641.1	8888.8	9016.8	8954.9	8859.9	8810.4	8839.3
35°	8583.3	8620.5	8748.4	9033.3	9380.1	9504.0	9706.3	9574.2	9326.4	9388.4	9442.0
37.5°	9157.2	9264.5	9504.0	9842.5	10048.9	10276.0	10350.3	10172.8	9991.1	9916.8	10094.4
40°	10036.6	10003.5	10267.8	10606.3	10911.8	11138.9	11043.9	10866.4	10416.4	10420.5	10470.1
42.5°	10792.1	10808.6	11010.9	11415.5	11832.5	11972.9	11671.5	11238.0	10738.4	10684.7	10792.1
45°	11427.9	11493.9	11609.5	12150.4	12559.1	12711.9	12154.5	11642.6	10973.7	10750.8	10928.3
47.5°	11655.0	11762.3	12014.1	12509.6	12914.2	13038.0	12592.1	11857.3	11192.6	10829.2	10924.2
50°	11688.0	11650.8	12063.7	12517.8	12872.9	13141.2	12749.0	12014.1	11138.9	10949.0	10920.1
52.5°	10783.8	10965.5	11407.2	12030.7	12749.0	13178.4	12889.4	12100.8	11213.2	10998.5	10928.3
55°	8727.8	8513.1	9318.2	10366.8	11688.0	12881.1	12839.9	12146.3	11258.6	11081.1	10986.1
57.5°	4871.7	4933.6	5387.8	6527.3	8232.4	10214.1	11415.5	11667.3	11238.0	11134.8	11184.3
60°	2254.2	2274.8	2468.9	3001.5	4058.4	5792.4	7373.6	8979.6	9718.7	9867.3	9867.3
62.5°	1680.3	1672.1	1721.6	1816.6	2039.5	2662.9	3554.7	4830.4	5846.1	6556.2	6742.0
65°	1519.3	1515.2	1540.0	1573.0	1589.5	1676.2	1874.4	2266.6	2596.9	2786.8	2753.8
67.5°	1329.4	1325.3	1333.5	1354.2	1383.1	1428.5	1478.0	1560.6	1676.2	1667.9	1647.3
70°	1073.4	1073.4	1085.8	1102.3	1135.4	1189.0	1246.8	1304.6	1403.7	1424.4	1420.2
72.5°	792.7	780.3	805.1	838.1	871.1	937.2	999.1	1052.8	1123.0	1143.6	1135.4
75°	503.7	511.9	528.5	565.6	623.4	668.8	734.9	780.3	825.7	842.2	846.4
77.5°	280.7	289.0	317.9	363.3	421.1	470.7	528.5	565.6	594.5	598.6	602.8
80°	169.3	173.4	202.3	243.6	293.1	346.8	392.2	429.4	454.1	441.8	437.6
82.5°	103.2	107.3	132.1	169.3	210.6	251.8	301.4	334.4	359.2	342.7	326.2
85°	53.7	57.8	78.4	103.2	136.2	156.9	156.9	140.4	136.2	128.0	123.9
87.5°	16.5	16.5	20.6	24.8	20.6	24.8	28.9	33.0	33.0	37.2	33.0
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)