

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: P531272

Luminaire Tested: **GALN-SA6C-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531272
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-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 36530 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

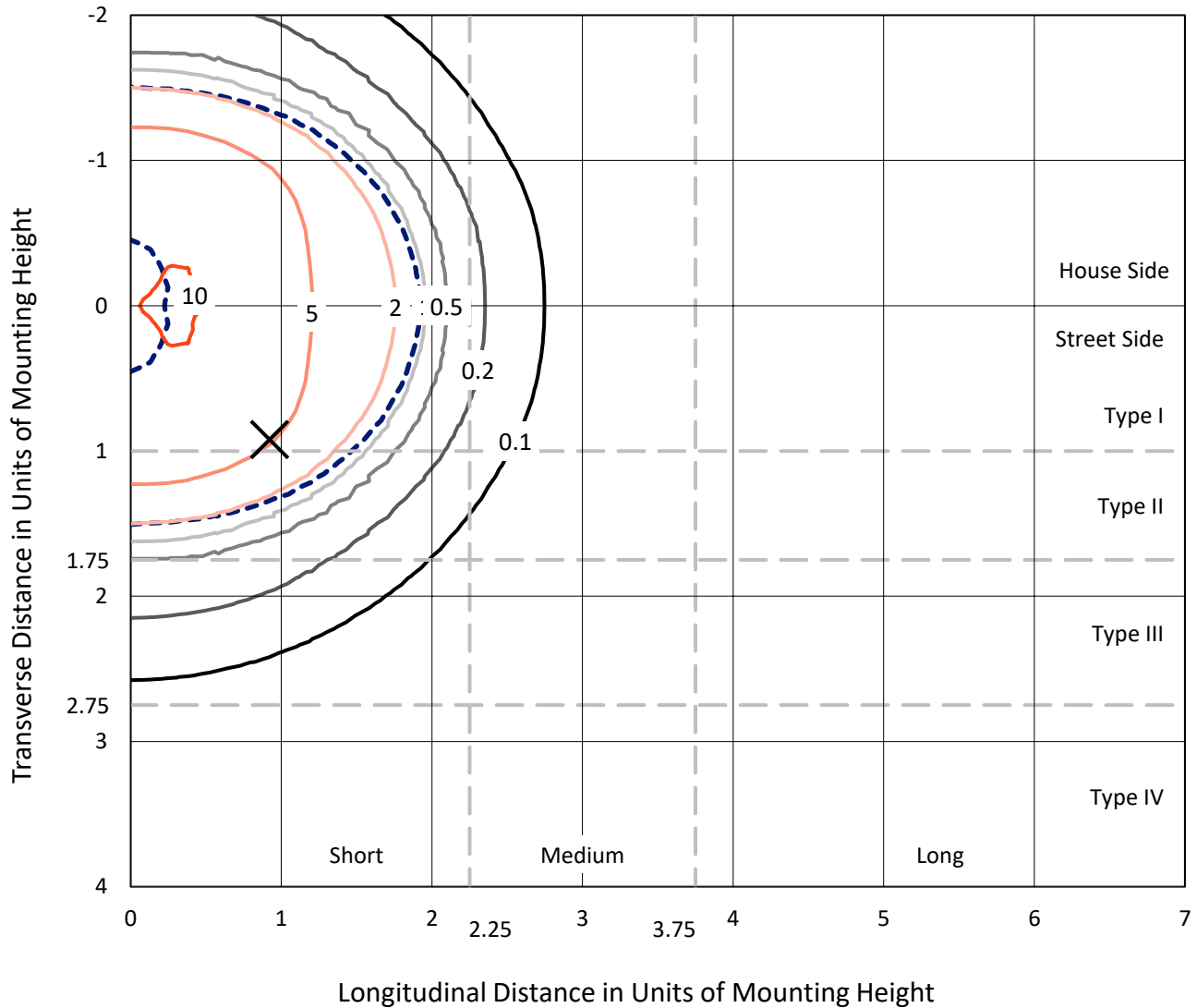
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

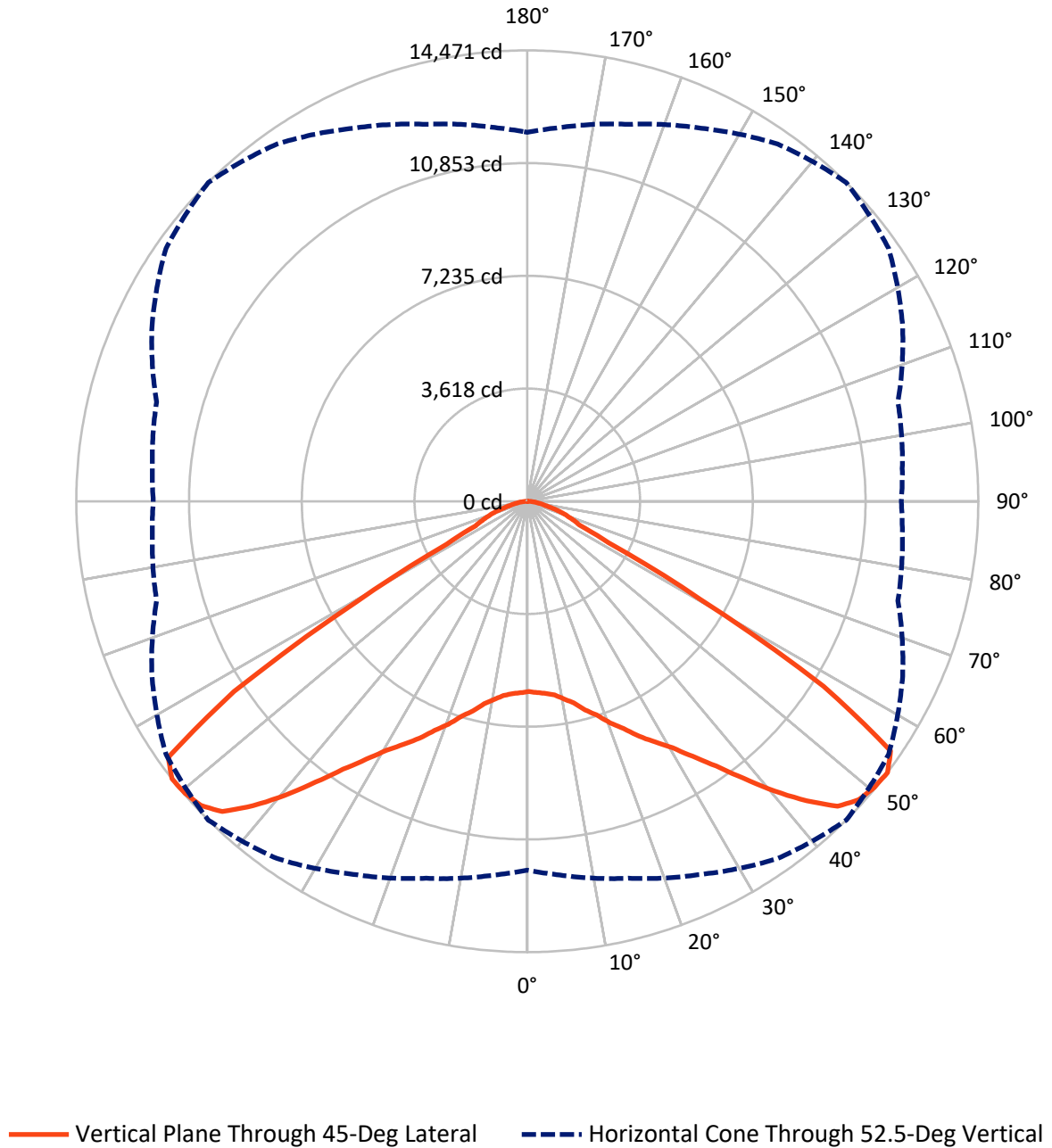
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	18265.0	0.0	18265.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18265.0	0.0	18265.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36530.0	0.0	36530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.9	1.6
10°-20°	1971.4	5.4
20°-30°	3753.2	10.3
30°-40°	6444.5	17.6
40°-50°	9905.4	27.1
50°-60°	10058.8	27.5
60°-70°	2803.3	7.7
70°-80°	826.9	2.3
80°-90°	166.6	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°	36530.0	100.0
0°-180°	36530.0	100.0

Coefficient of Utilization



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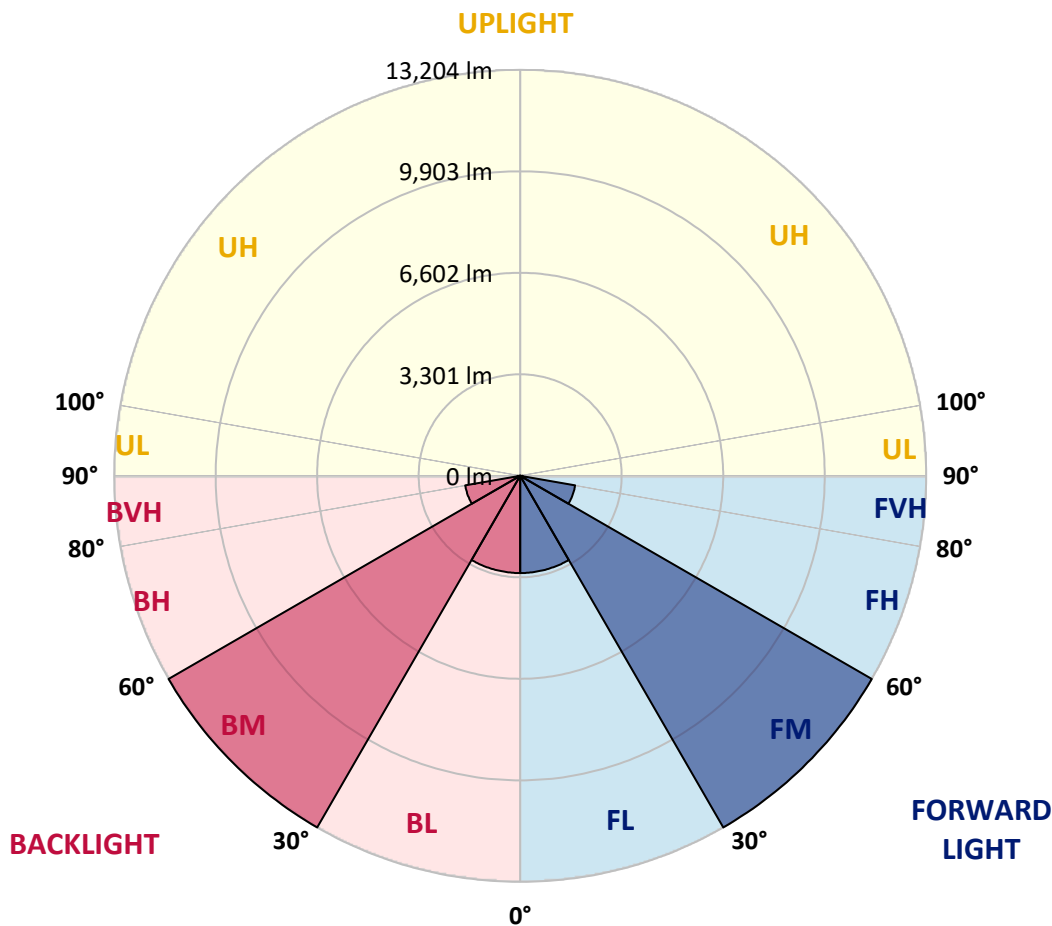
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3162.3	8.7			
FM (30°-60°)	13204.4	36.1			
FH (60°-80°)	1815.1	5.0			G2/5000
FVH (80°-90°)	83.3	0.2			G1/100
BL (0°-30°)	3162.3	8.7	B4/5000		
BM (30°-60°)	13204.4	36.1	B5		
BH (60°-80°)	1815.1	5.0	B3/2500		G2/5000
BVH (80°-90°)	83.3	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6106.5	6106.5	6106.5	6106.5	6106.5	6106.5	6106.5	6106.5	6106.5	6106.5	6106.5
2.5°	6120.1	6056.6	6079.3	6092.9	6151.8	6147.3	6133.7	6151.8	6169.9	6174.5	6165.4
5°	6115.5	6070.2	6088.3	6101.9	6160.9	6192.6	6183.5	6260.6	6315.0	6301.4	6369.4
7.5°	6079.3	6106.5	6083.8	6151.8	6201.7	6278.7	6360.3	6432.9	6500.9	6577.9	6591.5
10°	6160.9	6160.9	6201.7	6256.1	6387.5	6446.5	6564.3	6668.6	6800.1	6890.7	6854.5
12.5°	6247.0	6260.6	6260.6	6401.1	6509.9	6641.4	6750.2	6890.7	7076.6	7185.4	7239.8
15°	6333.1	6342.2	6387.5	6577.9	6741.1	6949.7	7049.4	7176.3	7280.6	7484.6	7489.2
17.5°	6410.2	6460.1	6596.1	6809.1	7013.1	7212.6	7371.3	7502.8	7593.4	7675.0	7656.9
20°	6700.3	6736.6	6877.1	7090.2	7394.0	7588.9	7643.3	7666.0	7724.9	7888.1	7838.2
22.5°	6981.4	6995.0	7126.5	7452.9	7666.0	7924.4	7983.3	7969.7	7992.4	8033.2	8105.7
25°	7271.6	7294.2	7475.6	7752.1	8051.3	8359.6	8409.4	8305.2	8273.4	8318.8	8323.3
27.5°	7643.3	7647.8	7879.0	8119.3	8459.3	8749.4	8826.5	8744.9	8595.3	8631.6	8690.5
30°	8114.8	8083.0	8314.2	8658.8	9016.9	9180.1	9311.6	9270.8	9107.6	9075.8	9026.0
32.5°	8658.8	8667.8	8876.4	9252.6	9488.4	9760.4	9900.9	9832.9	9728.6	9674.2	9706.0
35°	9424.9	9465.7	9606.2	9919.0	10299.9	10435.9	10658.0	10512.9	10240.9	10308.9	10367.9
37.5°	10055.1	10172.9	10435.9	10807.6	11034.3	11283.6	11365.2	11170.3	10970.8	10889.2	11084.1
40°	11020.7	10984.4	11274.5	11646.3	11981.7	12231.1	12126.8	11931.9	11437.7	11442.3	11496.7
42.5°	11850.3	11868.4	12090.5	12534.8	12992.7	13146.8	12815.9	12339.9	11791.3	11732.4	11850.3
45°	12548.4	12620.9	12747.9	13341.8	13790.6	13958.3	13346.3	12784.1	12049.7	11804.9	11999.9
47.5°	12797.7	12915.6	13192.2	13736.2	14180.4	14316.4	13826.8	13019.9	12290.0	11891.1	11995.3
50°	12834.0	12793.2	13246.6	13745.2	14135.1	14429.8	13999.1	13192.2	12231.1	12022.5	11990.8
52.5°	11841.2	12040.7	12525.7	13210.3	13999.1	14470.6	14153.2	13287.4	12312.7	12076.9	11999.9
55°	9583.6	9347.8	10231.9	11383.3	12834.0	14144.2	14098.8	13337.2	12362.5	12167.6	12063.3
57.5°	5349.4	5417.4	5916.1	7167.3	9039.6	11215.6	12534.8	12811.3	12339.9	12226.5	12280.9
60°	2475.2	2497.9	2711.0	3295.8	4456.3	6360.3	8096.6	9860.1	10671.6	10834.8	10834.8
62.5°	1845.1	1836.0	1890.4	1994.7	2239.5	2924.0	3903.2	5304.1	6419.3	7199.0	7403.0
65°	1668.3	1663.8	1691.0	1727.2	1745.4	1840.6	2058.2	2488.8	2851.5	3060.0	3023.8
67.5°	1459.8	1455.2	1464.3	1487.0	1518.7	1568.6	1623.0	1713.6	1840.6	1831.5	1808.8
70°	1178.7	1178.7	1192.3	1210.4	1246.7	1305.6	1369.1	1432.5	1541.4	1564.0	1559.5
72.5°	870.4	856.8	884.0	920.3	956.5	1029.1	1097.1	1156.0	1233.1	1255.7	1246.7
75°	553.1	562.1	580.3	621.1	684.5	734.4	806.9	856.8	906.7	924.8	929.3
77.5°	308.3	317.3	349.1	398.9	462.4	516.8	580.3	621.1	652.8	657.3	661.9
80°	185.9	190.4	222.1	267.5	321.9	380.8	430.7	471.5	498.7	485.1	480.5
82.5°	113.3	117.9	145.1	185.9	231.2	276.5	330.9	367.2	394.4	376.3	358.1
85°	58.9	63.5	86.1	113.3	149.6	172.3	172.3	154.1	149.6	140.5	136.0
87.5°	18.1	18.1	22.7	27.2	22.7	27.2	31.7	36.3	36.3	40.8	36.3
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)