

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: P530330

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31712 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

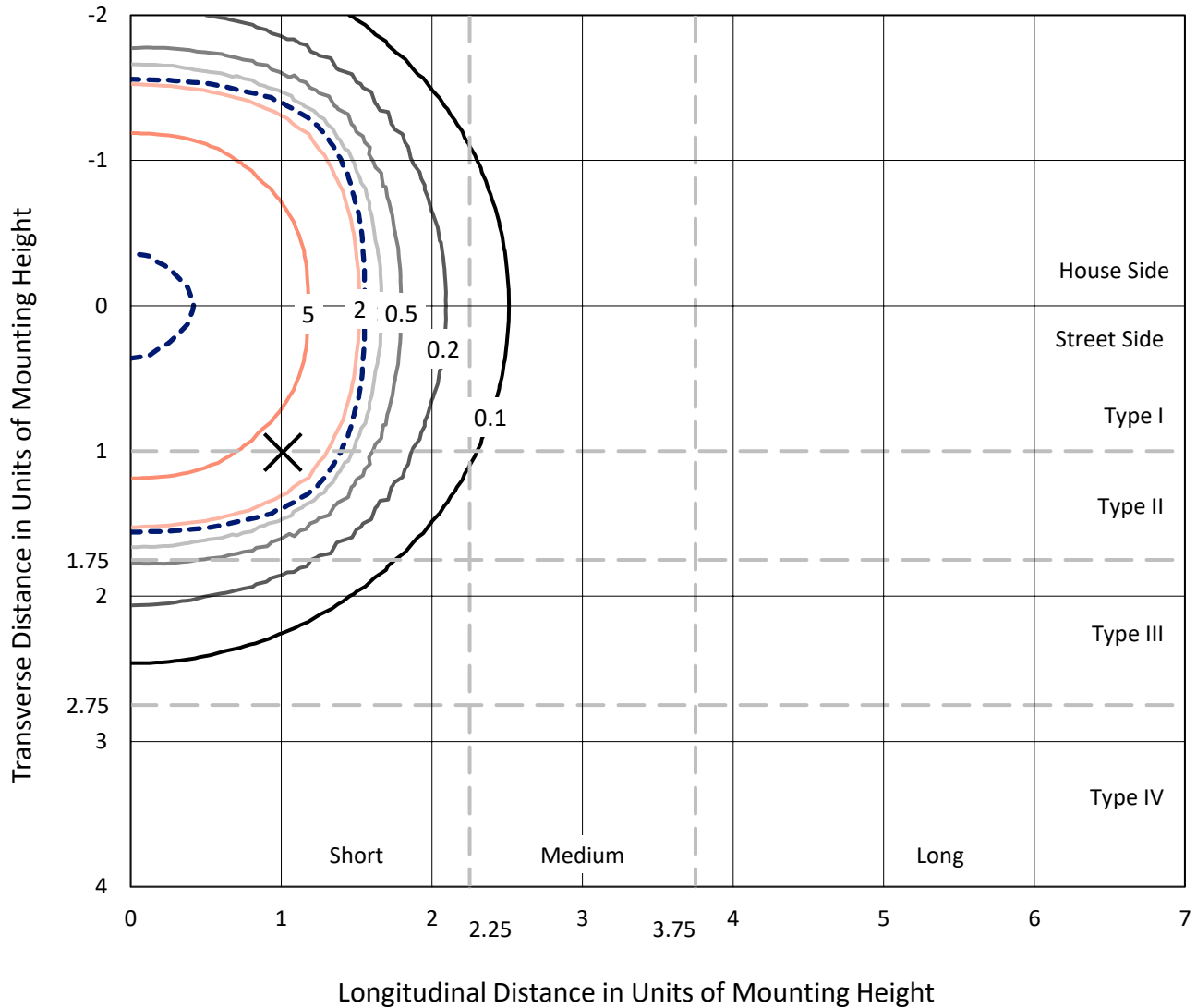
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

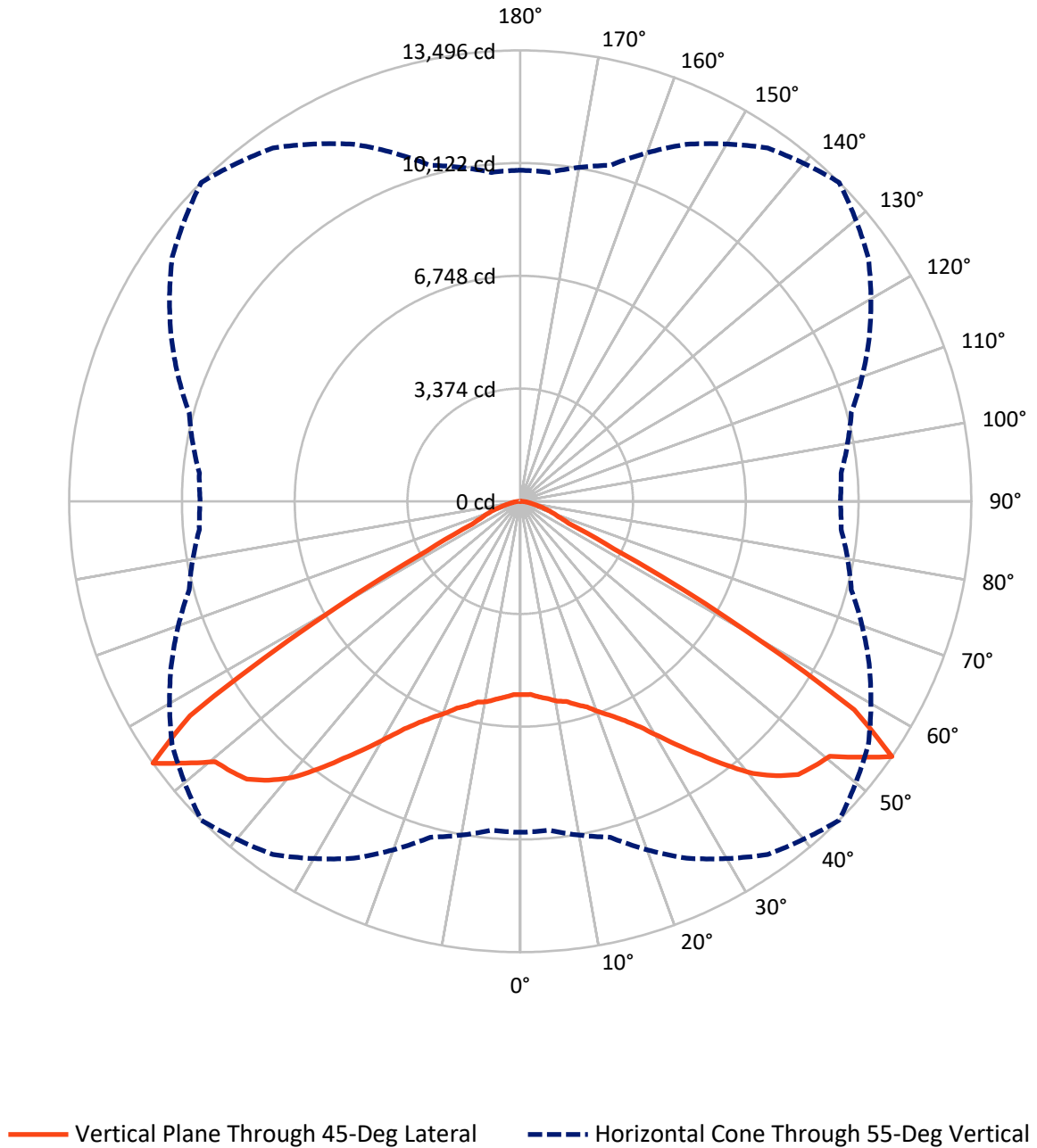
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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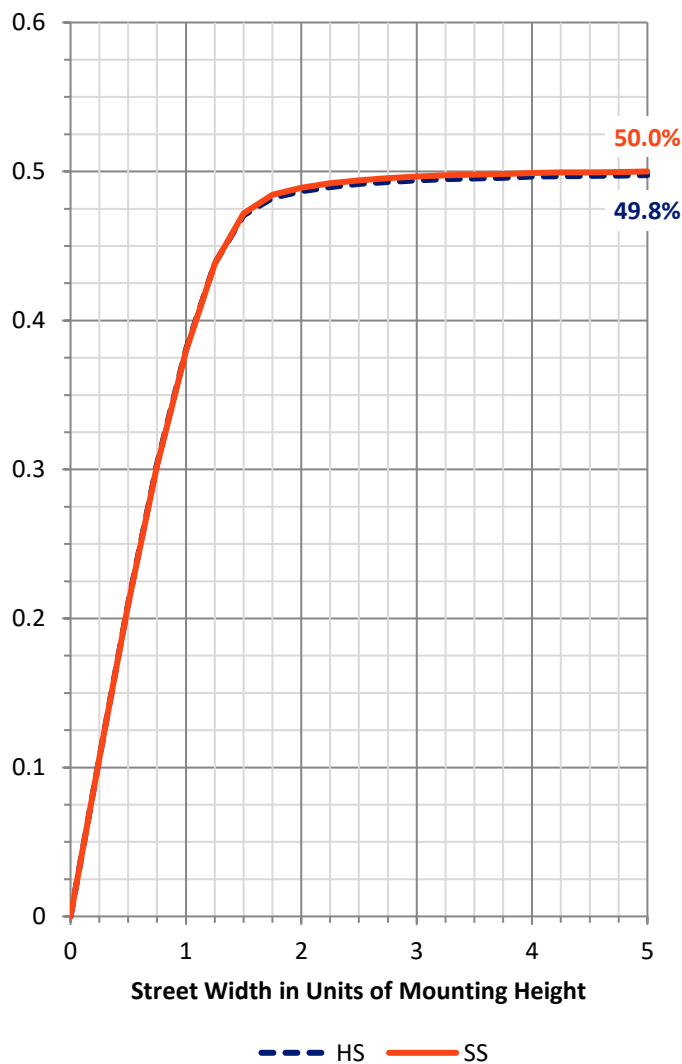
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15856.0	0.0	15856.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15856.0	0.0	15856.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31712.0	0.0	31712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.6	1.8
10°-20°	1792.2	5.7
20°-30°	3342.0	10.5
30°-40°	5595.5	17.6
40°-50°	8707.1	27.5
50°-60°	9040.7	28.5
60°-70°	1917.2	6.0
70°-80°	631.4	2.0
80°-90°	120.3	0.4
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°	31712.0	100.0
0°-180°	31712.0	100.0

Coefficient of Utilization

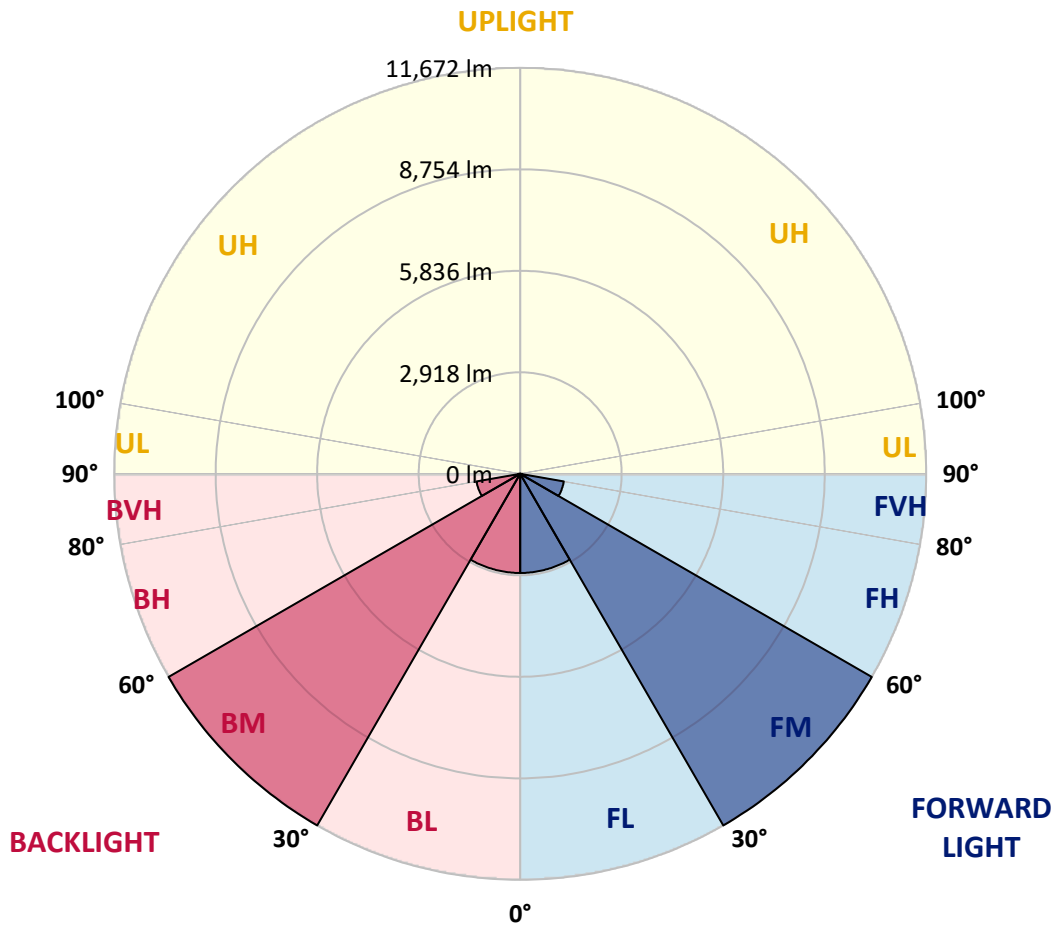


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2849.9	9.0			
FM (30°-60°)	11671.6	36.8			
FH (60°-80°)	1274.3	4.0			G1/1800
FVH (80°-90°)	60.1	0.2			G1/100
BL (0°-30°)	2849.9	9.0	B4/5000		
BM (30°-60°)	11671.6	36.8	B5		
BH (60°-80°)	1274.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	60.1	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°	5790.1	5790.1	5790.1	5790.1	5790.1	5790.1	5790.1	5790.1	5790.1	5790.1	5790.1
2.5°	5859.1	5832.3	5786.3	5820.8	5847.6	5790.1	5813.1	5824.6	5817.0	5786.3	5797.8
5°	5943.4	5928.1	5889.8	5916.6	5882.1	5882.1	5859.1	5828.5	5874.4	5866.8	5885.9
7.5°	5943.4	5924.3	6000.9	5951.1	5966.4	5966.4	5928.1	5897.4	5920.4	5885.9	5866.8
10°	6062.2	6089.0	6054.5	6066.0	6058.4	6085.2	6027.7	6008.6	5989.4	5977.9	5954.9
12.5°	6204.0	6184.8	6196.3	6188.7	6215.5	6146.5	6112.0	6069.9	6104.4	6054.5	6089.0
15°	6319.0	6307.5	6319.0	6349.6	6322.8	6319.0	6257.6	6215.5	6161.8	6173.3	6119.7
17.5°	6476.1	6464.6	6468.4	6495.2	6491.4	6472.2	6426.2	6345.8	6326.6	6296.0	6261.5
20°	6709.8	6690.7	6683.0	6694.5	6713.6	6729.0	6637.0	6606.4	6541.2	6491.4	6433.9
22.5°	6909.1	6901.4	6932.1	6882.3	6924.4	6970.4	6882.3	6866.9	6706.0	6679.2	6617.8
25°	7185.0	7173.5	7154.3	7227.1	7277.0	7273.1	7188.8	7104.5	6981.9	6951.2	6951.2
27.5°	7476.2	7411.1	7510.7	7529.9	7618.0	7644.8	7572.0	7449.4	7334.4	7269.3	7284.6
30°	7840.3	7778.9	7801.9	7939.9	8054.8	8154.5	7970.5	7790.4	7629.5	7514.5	7495.4
32.5°	8204.3	8143.0	8212.0	8346.1	8576.0	8725.4	8545.3	8231.1	8043.3	7874.7	7909.2
35°	8499.4	8545.3	8656.5	8859.6	9097.1	9338.6	9051.2	8809.7	8541.5	8353.7	8380.6
37.5°	8974.5	9116.3	9204.4	9438.2	9775.4	10024.5	9725.6	9411.4	9124.0	8878.7	8794.4
40°	9595.3	9691.1	9790.7	10066.6	10465.2	10714.2	10430.7	10020.7	9737.1	9484.2	9472.7
42.5°	10277.4	10369.4	10472.8	10810.0	11047.6	11235.4	10974.8	10756.4	10442.2	10242.9	10231.4
45°	11070.6	11005.5	11120.4	11342.7	11542.0	11664.6	11496.0	11388.7	11162.6	10978.7	10959.5
47.5°	11599.4	11542.0	11748.9	11948.1	11978.8	11844.7	11879.2	11978.8	11741.2	11438.5	11534.3
50°	11906.0	11906.0	12043.9	12227.9	12170.4	11998.0	12270.0	12277.7	12040.1	11771.9	11771.9
52.5°	11373.3	11492.1	11883.0	12484.6	12676.2	12726.0	12664.7	12404.2	11783.4	11235.4	11208.6
55°	9909.5	9882.7	10411.5	11791.0	12906.1	13496.3	12714.5	11515.1	10254.4	9637.5	9576.1
57.5°	6445.4	6476.1	7265.5	8671.8	10683.6	11783.4	10465.2	8779.1	7265.5	6414.8	6495.2
60°	2900.8	3004.3	3483.3	4533.2	6261.5	7158.2	6276.8	4763.2	3655.7	3172.9	3215.0
62.5°	1666.9	1686.1	1705.2	2023.3	2667.1	3153.7	2770.5	2138.3	1885.3	1801.0	1801.0
65°	1406.3	1394.8	1398.7	1425.5	1494.5	1594.1	1552.0	1494.5	1502.1	1494.5	1483.0
67.5°	1195.6	1210.9	1199.4	1218.6	1222.4	1237.7	1264.6	1287.5	1291.4	1299.0	1291.4
70°	981.0	984.8	992.5	1007.8	1011.6	1023.1	1061.5	1080.6	1092.1	1092.1	1107.4
72.5°	751.1	747.2	754.9	770.2	789.4	793.2	827.7	854.5	869.9	850.7	854.5
75°	494.3	498.2	509.7	521.2	548.0	574.8	586.3	613.1	617.0	624.6	605.5
77.5°	295.1	302.7	314.2	337.2	360.2	383.2	410.0	429.2	436.8	429.2	406.2
80°	191.6	191.6	206.9	226.1	252.9	272.1	287.4	302.7	314.2	302.7	295.1
82.5°	118.8	118.8	138.0	160.9	180.1	191.6	214.6	233.8	245.2	237.6	226.1
85°	61.3	65.1	80.5	99.6	115.0	122.6	118.8	107.3	95.8	92.0	84.3
87.5°	19.2	19.2	23.0	23.0	19.2	19.2	23.0	19.2	23.0	23.0	23.0
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)