

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: P531446

Luminaire Tested: **GALN-SA6D-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36875 lumens
Efficiency: N/A
Efficacy: 100.2 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

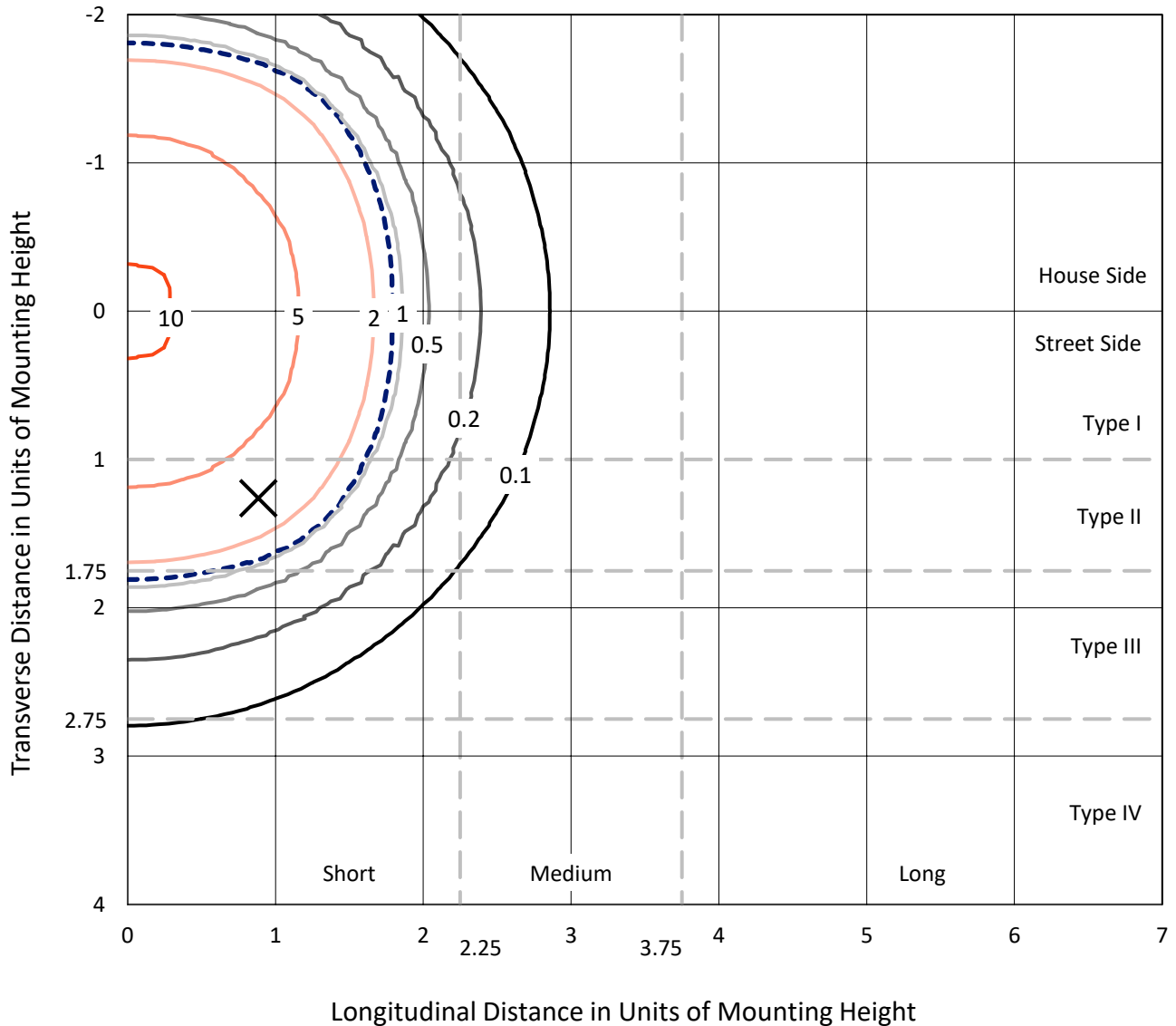




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Iso-Footcandle Lines of Horizontal Illumination

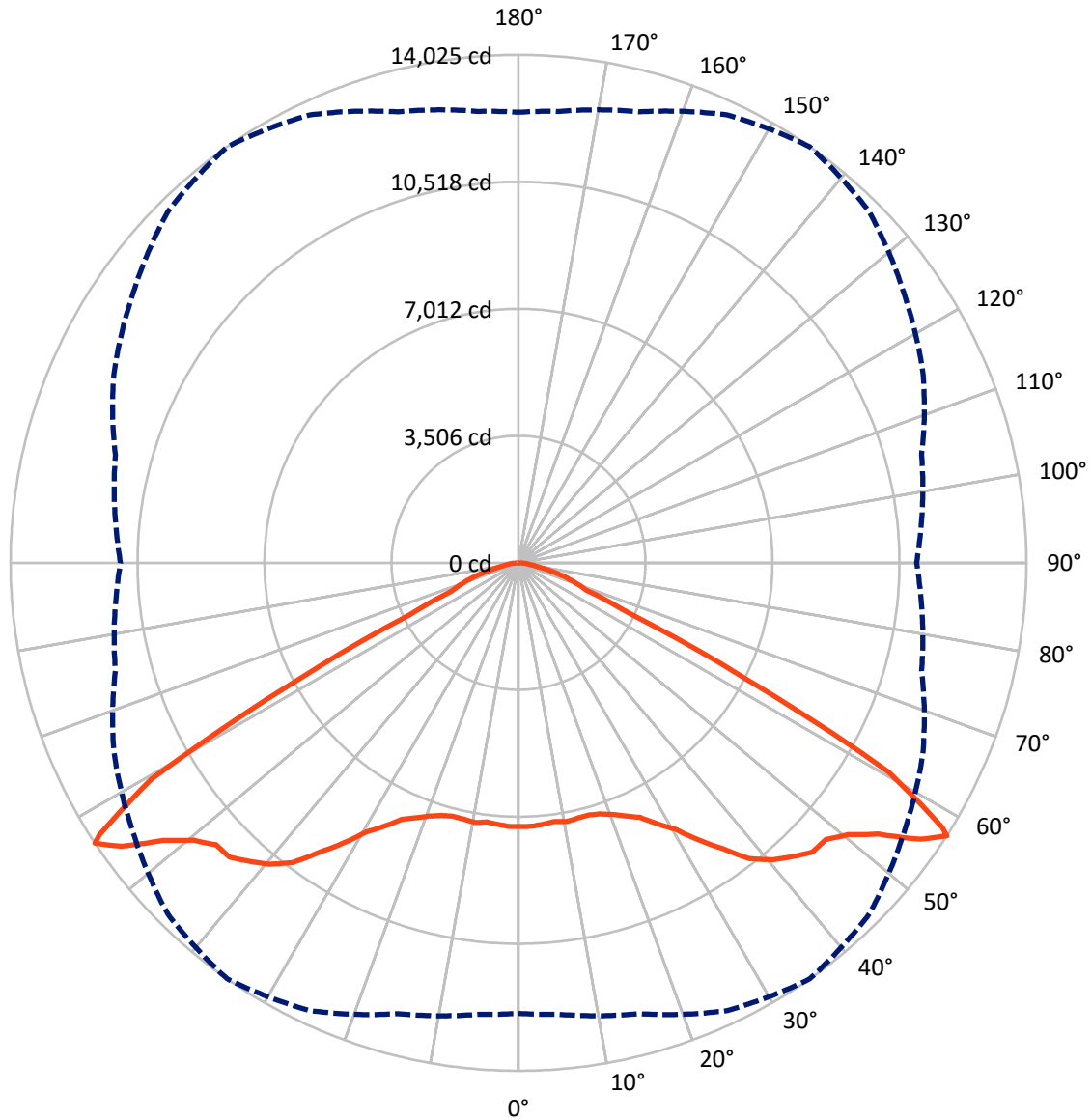
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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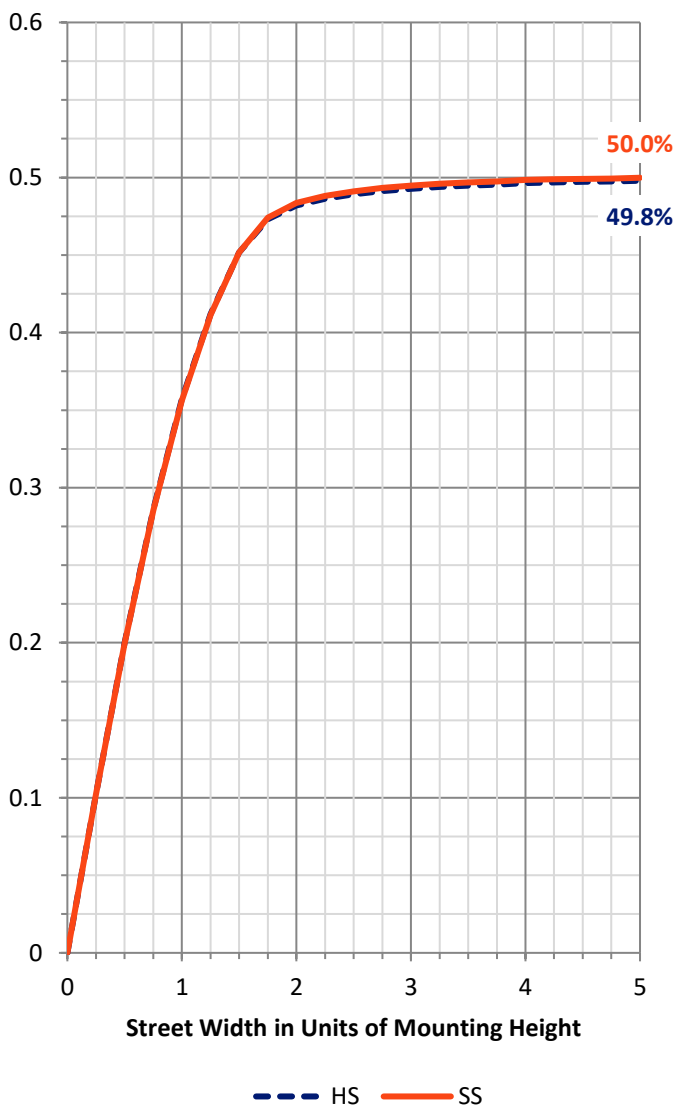
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18437.5	0.0	18437.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18437.5	0.0	18437.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36875.0	0.0	36875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.4	1.9
10°-20°	2044.8	5.5
20°-30°	3571.2	9.7
30°-40°	5851.5	15.9
40°-50°	8579.8	23.3
50°-60°	10806.9	29.3
60°-70°	4064.4	11.0
70°-80°	1080.7	2.9
80°-90°	185.3	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°	36875.0	100.0
0°-180°	36875.0	100.0

Coefficient of Utilization



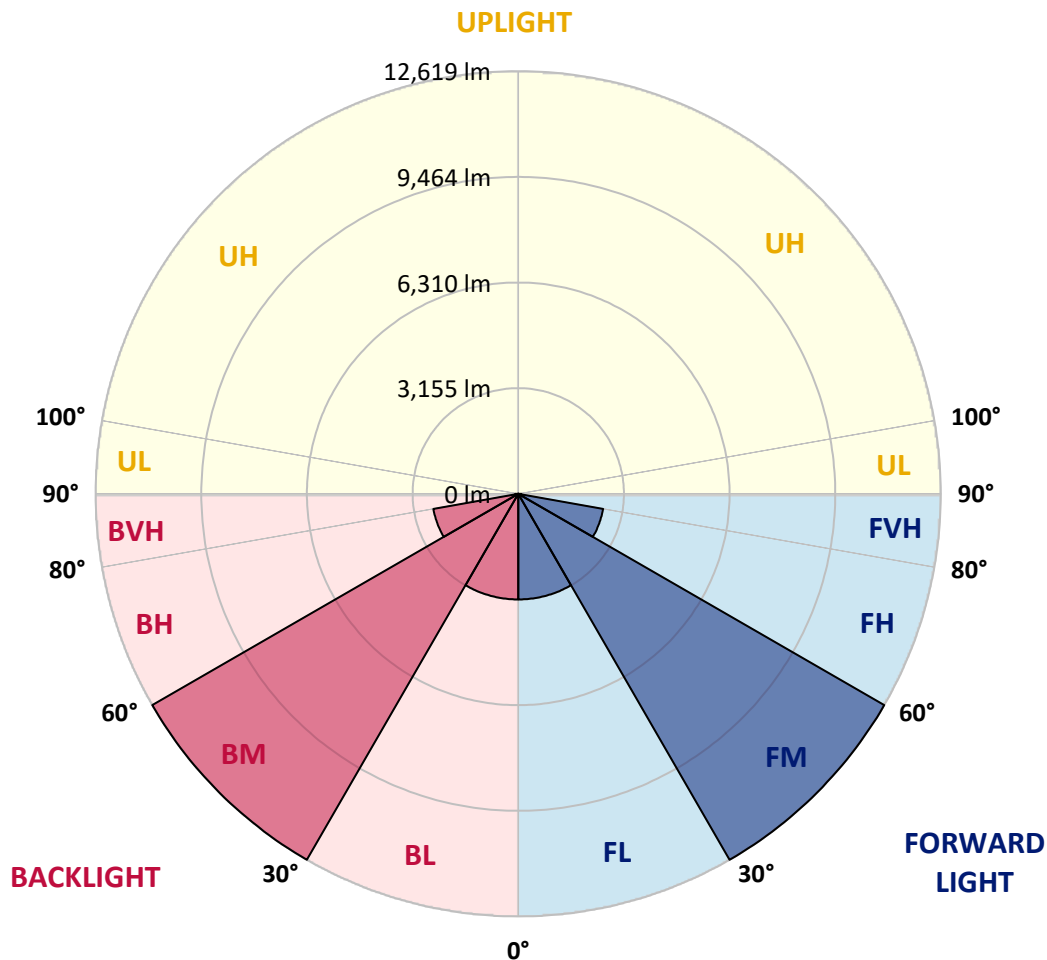
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3153.2	8.6			
FM (30°-60°)	12619.1	34.2			
FH (60°-80°)	2572.5	7.0			G2/5000
FVH (80°-90°)	92.6	0.3			G1/100
BL (0°-30°)	3153.2	8.6	B4/5000		
BM (30°-60°)	12619.1	34.2	B5		
BH (60°-80°)	2572.5	7.0	B4/5000		G2/5000
BVH (80°-90°)	92.6	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°	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5
2.5°	7246.2	7318.9	7287.1	7268.9	7282.5	7259.8	7223.5	7264.4	7255.3	7218.9	7205.3
5°	7228.0	7282.5	7246.2	7282.5	7246.2	7309.8	7291.6	7223.5	7305.3	7228.0	7255.3
7.5°	7214.4	7232.6	7241.7	7223.5	7209.9	7287.1	7246.2	7214.4	7169.0	7155.3	7178.1
10°	7182.6	7228.0	7159.9	7250.7	7268.9	7214.4	7214.4	7155.3	7119.0	7096.3	7173.5
12.5°	7264.4	7187.1	7178.1	7223.5	7237.1	7259.8	7196.2	7164.4	7096.3	7105.4	7091.7
15°	7169.0	7200.8	7205.3	7214.4	7228.0	7282.5	7223.5	7155.3	7128.1	7032.7	7041.8
17.5°	7205.3	7173.5	7205.3	7309.8	7291.6	7332.5	7268.9	7164.4	7100.8	7046.3	7119.0
20°	7268.9	7255.3	7268.9	7396.1	7418.8	7455.2	7400.7	7305.3	7182.6	7119.0	7155.3
22.5°	7337.1	7328.0	7337.1	7459.7	7591.5	7636.9	7582.4	7359.8	7296.2	7178.1	7137.2
25°	7459.7	7468.8	7564.2	7700.5	7786.8	7873.1	7773.2	7614.2	7409.7	7337.1	7250.7
27.5°	7732.3	7755.0	7809.5	8009.4	8159.4	8236.6	8095.8	7877.7	7750.5	7600.6	7577.8
30°	8068.5	8068.5	8163.9	8336.5	8541.0	8659.1	8486.5	8227.5	8073.0	7991.3	7941.3
32.5°	8513.7	8463.7	8500.1	8804.5	9122.5	9222.4	8990.7	8672.7	8427.4	8318.4	8282.0
35°	8895.3	8927.1	9008.9	9336.0	9690.4	9922.1	9558.6	9145.2	8895.3	8795.4	8777.2
37.5°	9390.5	9445.0	9485.9	9935.7	10362.7	10449.1	10099.2	9767.6	9463.2	9381.4	9336.0
40°	10090.2	10053.8	10067.4	10399.1	10785.2	10839.8	10494.5	10258.3	10008.4	9958.4	9958.4
42.5°	10667.1	10626.2	10671.7	10794.3	11089.6	11048.7	10857.9	10685.3	10580.8	10526.3	10580.8
45°	11016.9	11007.9	11089.6	11180.5	11389.5	11253.2	11103.3	11130.5	11030.6	10939.7	10935.2
47.5°	11398.6	11339.5	11439.4	11575.7	11416.7	11353.1	11344.0	11403.1	11371.3	11212.3	11162.3
50°	11584.8	11562.1	11721.1	11880.1	11793.8	11648.4	11680.2	11775.6	11366.8	11153.2	11030.6
52.5°	12084.6	12089.1	12393.5	12479.8	12443.5	12229.9	12298.1	12039.1	11557.6	11257.7	11271.4
55°	12870.5	12838.7	13179.4	13433.9	13474.7	13202.2	12875.1	12511.6	11907.4	11603.0	11512.1
57°	12438.9	12511.6	12888.7	13642.8	14024.5	13701.9	12988.6	12325.3	11521.2	11153.2	10989.7
57.5°	11862.0	11980.1	12634.3	13393.0	13792.8	13765.5	12847.8	11980.1	11262.3	10689.8	10703.5
60°	8690.9	8713.6	9304.2	10508.1	11757.5	11784.7	10667.1	9517.7	8718.2	8095.8	8182.1
62.5°	4584.0	4688.4	4924.7	5892.4	6973.6	7237.1	6560.2	5969.6	5279.0	4806.6	4852.0
65°	2426.0	2412.4	2525.9	2798.5	3330.1	3466.4	3375.5	2907.6	2666.8	2589.5	2594.1
67.5°	1971.7	1994.4	1980.8	1994.4	2030.8	2089.8	2076.2	2094.4	2108.0	2130.7	2126.2
70°	1671.8	1671.8	1680.9	1685.5	1685.5	1712.7	1744.5	1803.6	1808.1	1830.9	1839.9
72.5°	1317.5	1308.4	1322.0	1353.8	1358.4	1381.1	1426.5	1462.9	1476.5	1476.5	1449.2
75°	895.0	904.1	922.2	949.5	976.8	1017.6	1054.0	1076.7	1085.8	1072.2	1058.5
77.5°	504.3	513.4	527.0	567.9	599.7	636.0	676.9	699.6	722.3	726.9	699.6
80°	299.8	299.8	322.6	354.4	390.7	427.0	463.4	490.7	499.7	499.7	486.1
82.5°	181.7	186.3	204.4	236.2	268.0	290.8	322.6	345.3	363.4	358.9	349.8
85°	95.4	95.4	113.6	140.8	163.6	186.3	186.3	172.6	163.6	140.8	131.7
87.5°	31.8	27.3	36.3	36.3	31.8	36.3	36.3	40.9	40.9	40.9	40.9
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)