

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: P530279

Luminaire Tested: **GALN-SA5C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16725 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

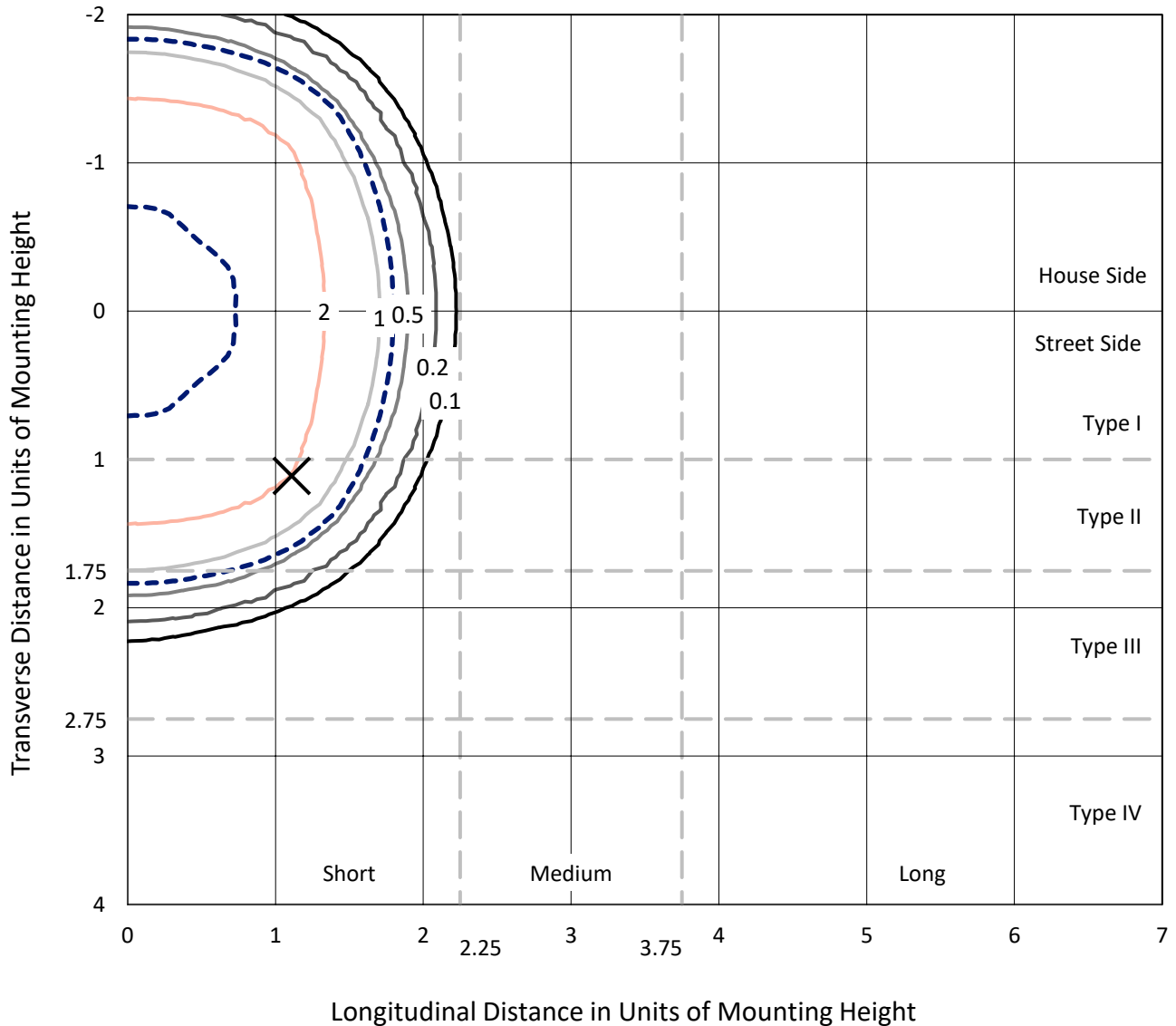
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

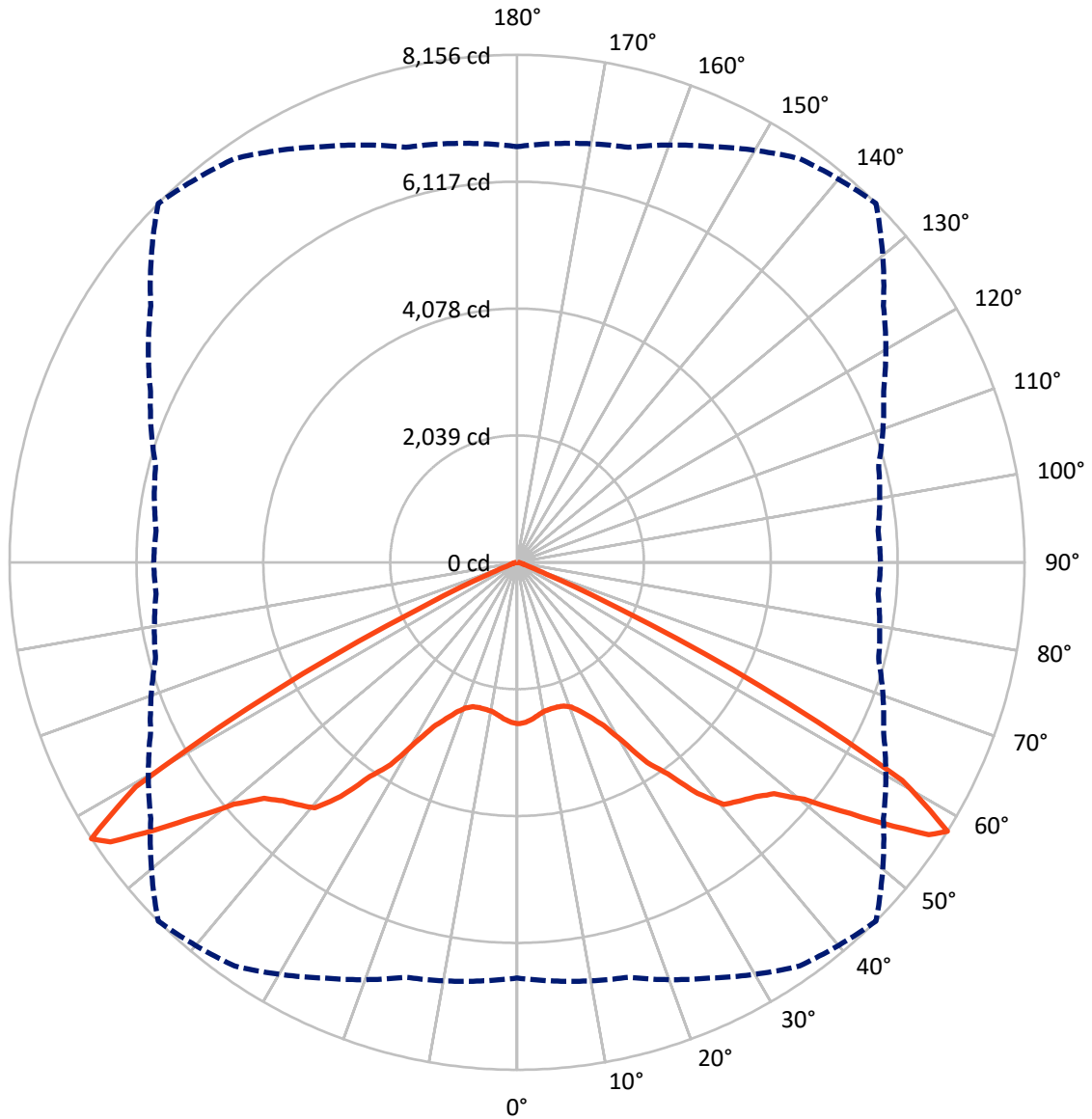
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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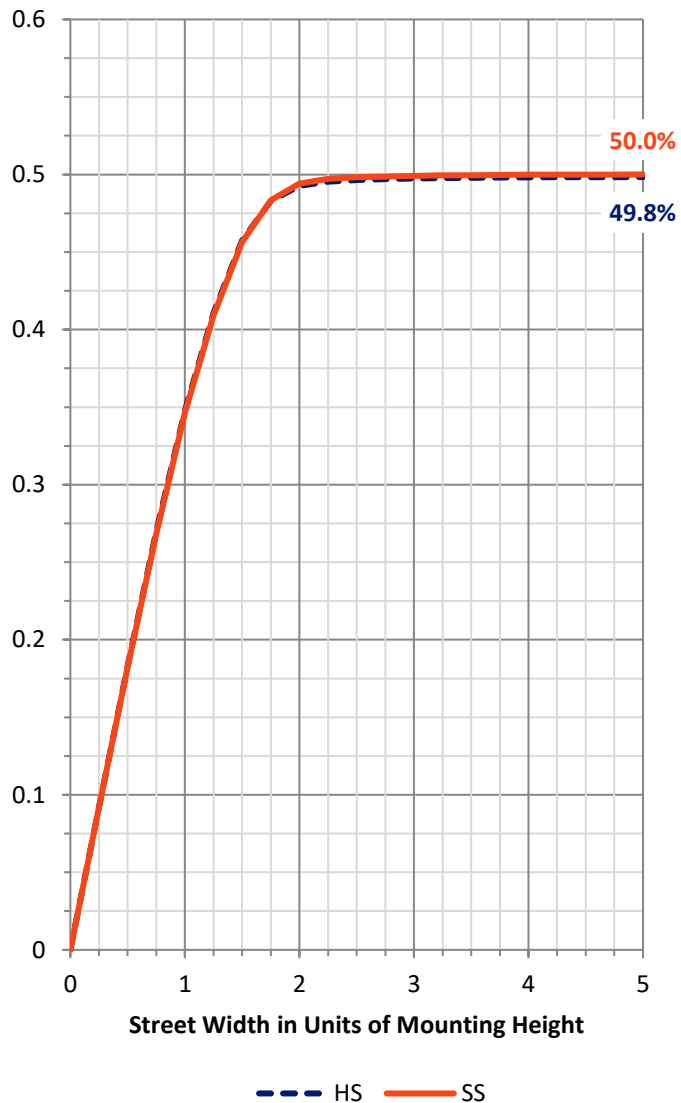
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8362.5	0.0	8362.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8362.5	0.0	8362.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16725.0	0.0	16725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.4	1.4
10°-20°	689.1	4.1
20°-30°	1271.9	7.6
30°-40°	2501.4	15.0
40°-50°	4074.1	24.4
50°-60°	5810.2	34.7
60°-70°	2011.6	12.0
70°-80°	107.9	0.6
80°-90°	20.3	0.1
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°	16725.0	100.0
0°-180°	16725.0	100.0

Coefficient of Utilization

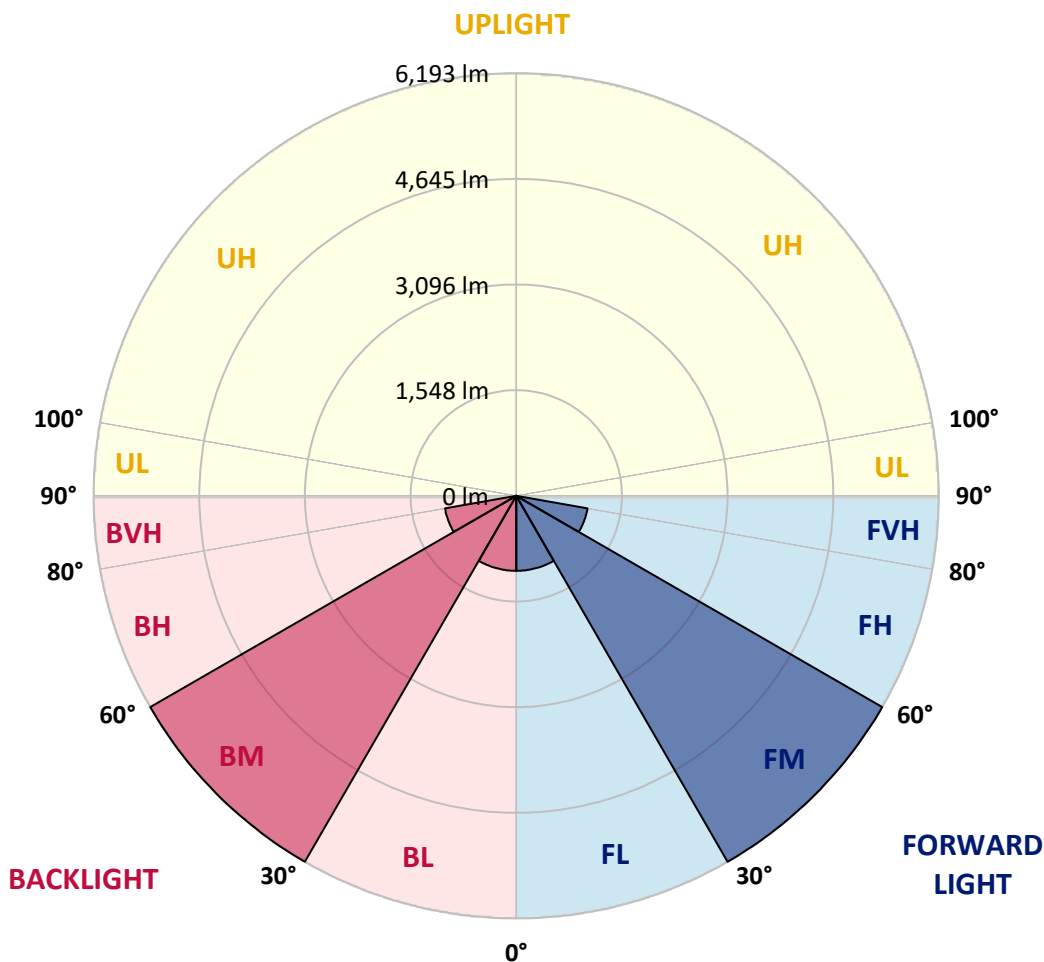


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1099.7	6.6			
FM (30°-60°)	6192.9	37.0			
FH (60°-80°)	1059.8	6.3			G1/1800
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	1099.7	6.6	B3/2500		
BM (30°-60°)	6192.9	37.0	B4/8500		
BH (60°-80°)	1059.8	6.3	B3/2500		G1/1800
BVH (80°-90°)	10.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2594.2	2594.2	2594.2	2594.2	2594.2	2594.2	2594.2	2594.2	2594.2	2594.2	2594.2
2.5°	2587.2	2601.2	2583.8	2576.8	2573.3	2573.3	2562.8	2562.8	2559.4	2562.8	2548.9
5°	2545.4	2559.4	2559.4	2555.9	2534.9	2531.5	2521.0	2514.0	2517.5	2503.6	2514.0
7.5°	2503.6	2514.0	2500.1	2496.6	2489.6	2475.7	2472.2	2440.8	2444.3	2444.3	2451.3
10°	2496.6	2493.1	2472.2	2454.7	2433.8	2430.3	2419.9	2412.9	2412.9	2409.4	2419.9
12.5°	2496.6	2479.2	2475.7	2437.3	2402.4	2416.4	2388.5	2371.1	2395.5	2402.4	2416.4
15°	2493.1	2510.5	2451.3	2433.8	2409.4	2412.9	2388.5	2371.1	2385.0	2392.0	2402.4
17.5°	2514.0	2503.6	2486.1	2451.3	2440.8	2426.9	2395.5	2381.5	2381.5	2399.0	2402.4
20°	2569.8	2541.9	2507.1	2489.6	2500.1	2482.6	2444.3	2392.0	2405.9	2419.9	2430.3
22.5°	2622.1	2601.2	2576.8	2566.3	2625.6	2597.7	2531.5	2472.2	2451.3	2475.7	2493.1
25°	2723.2	2723.2	2677.9	2691.9	2758.1	2761.6	2684.9	2580.3	2566.3	2576.8	2583.8
27.5°	2929.0	2939.4	2901.1	2915.0	2942.9	2967.3	2901.1	2813.9	2782.5	2779.0	2789.5
30°	3152.1	3173.0	3169.6	3228.8	3309.0	3323.0	3225.3	3082.4	2988.2	2970.8	2984.8
32.5°	3445.0	3455.5	3448.5	3518.2	3734.4	3835.5	3581.0	3378.8	3253.2	3284.6	3253.2
35°	3995.9	3985.5	3908.8	3922.7	4100.5	4173.8	3929.7	3800.7	3741.4	3804.2	3790.2
37.5°	4470.2	4431.8	4369.0	4459.7	4644.5	4710.7	4456.2	4229.6	4121.5	4226.1	4271.4
40°	4871.1	4773.5	4686.3	4777.0	5024.6	5115.2	4742.1	4557.3	4515.5	4592.2	4689.8
42.5°	5209.4	5146.6	5031.5	5038.5	5202.4	5244.2	4944.4	4836.3	4794.4	4916.5	4965.3
45°	5450.0	5390.7	5282.6	5275.6	5401.1	5373.2	5104.8	5031.5	5055.9	5136.1	5160.6
47.5°	5572.0	5603.4	5540.6	5558.1	5624.3	5558.1	5345.4	5345.4	5289.6	5338.4	5314.0
50°	5924.2	5826.5	5906.7	5906.7	5976.5	5983.4	5770.8	5694.0	5544.1	5460.4	5460.4
52.5°	6335.6	6342.6	6374.0	6489.0	6607.6	6708.7	6405.4	6077.6	5826.5	5718.4	5704.5
55°	6673.8	6743.6	6869.1	7085.3	7427.0	7566.5	7043.5	6457.7	6150.8	5983.4	5948.6
56°	6858.7	6792.4	7008.6	7305.0	7751.3	7932.6	7148.1	6534.4	6196.1	6007.9	6004.4
57.5°	6680.8	6754.0	6904.0	7371.2	7918.7	8155.8	7186.4	6499.5	6014.8	5823.1	5840.5
60°	5275.6	5345.4	5547.6	6070.6	6928.4	7113.2	6081.1	5359.3	4926.9	4651.5	4655.0
62.5°	2984.8	3037.1	3194.0	3678.6	4212.1	4390.0	3790.2	3309.0	3009.2	2855.7	2806.9
65°	1098.4	1077.4	1101.8	1349.4	1677.2	1827.1	1576.1	1332.0	1175.1	1119.3	1098.4
67.5°	411.4	380.1	355.7	380.1	477.7	505.6	463.8	387.0	362.6	373.1	380.1
70°	254.5	240.6	191.8	181.3	177.8	174.3	184.8	195.3	223.2	261.5	268.5
72.5°	177.8	167.4	136.0	129.0	122.0	118.6	136.0	149.9	174.3	202.2	205.7
75°	69.7	73.2	69.7	76.7	80.2	83.7	97.6	108.1	118.6	118.6	115.1
77.5°	13.9	13.9	20.9	27.9	34.9	45.3	66.3	76.7	80.2	76.7	66.3
80°	0.0	0.0	7.0	13.9	27.9	38.4	59.3	66.3	73.2	66.3	52.3
82.5°	0.0	0.0	7.0	17.4	27.9	34.9	55.8	69.7	80.2	73.2	55.8
85°	0.0	0.0	7.0	13.9	20.9	24.4	24.4	17.4	17.4	10.5	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)