

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: P532152

Luminaire Tested: **GALN-SA7C-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37834 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 377
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

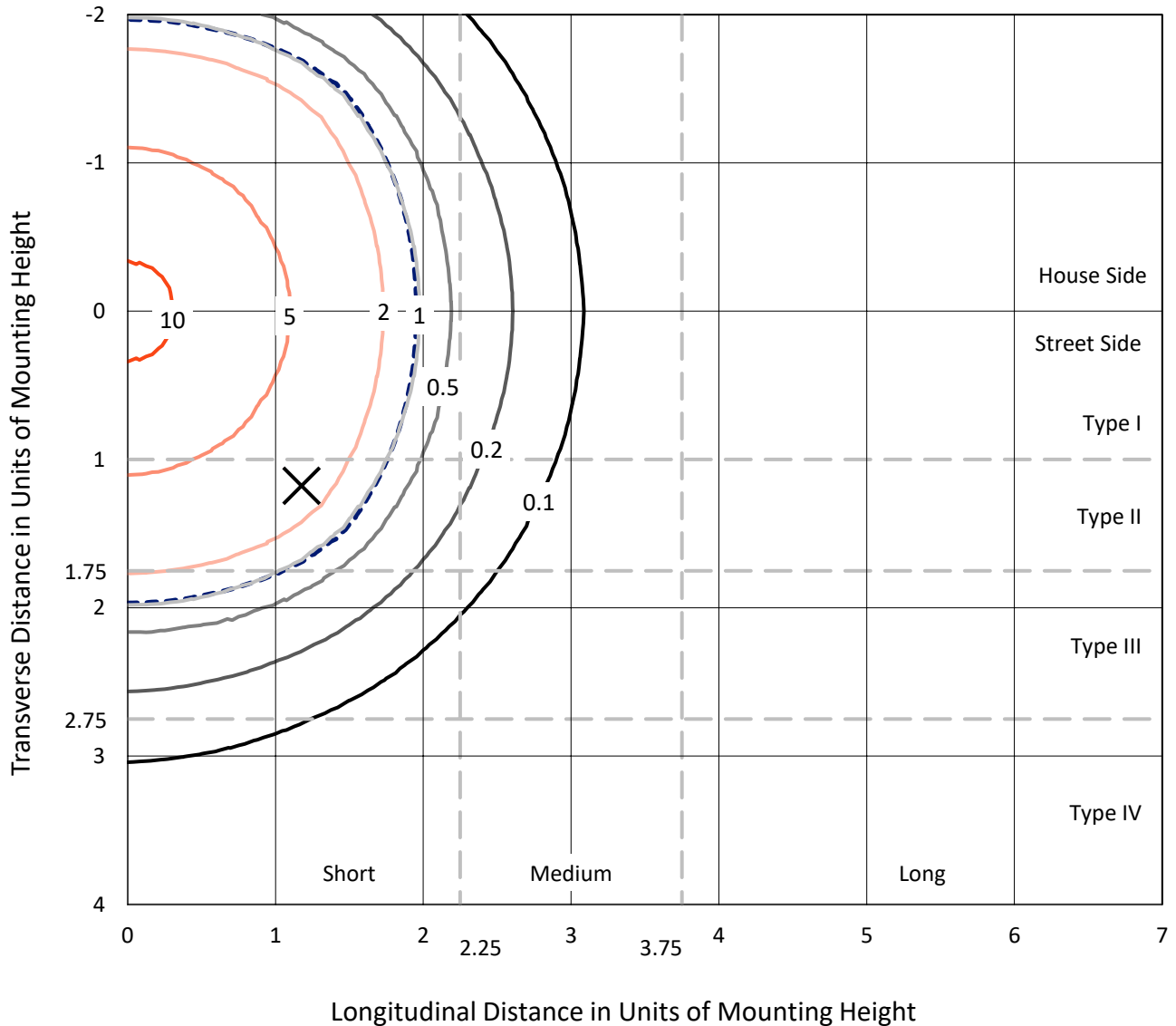




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Iso-Footcandle Lines of Horizontal Illumination

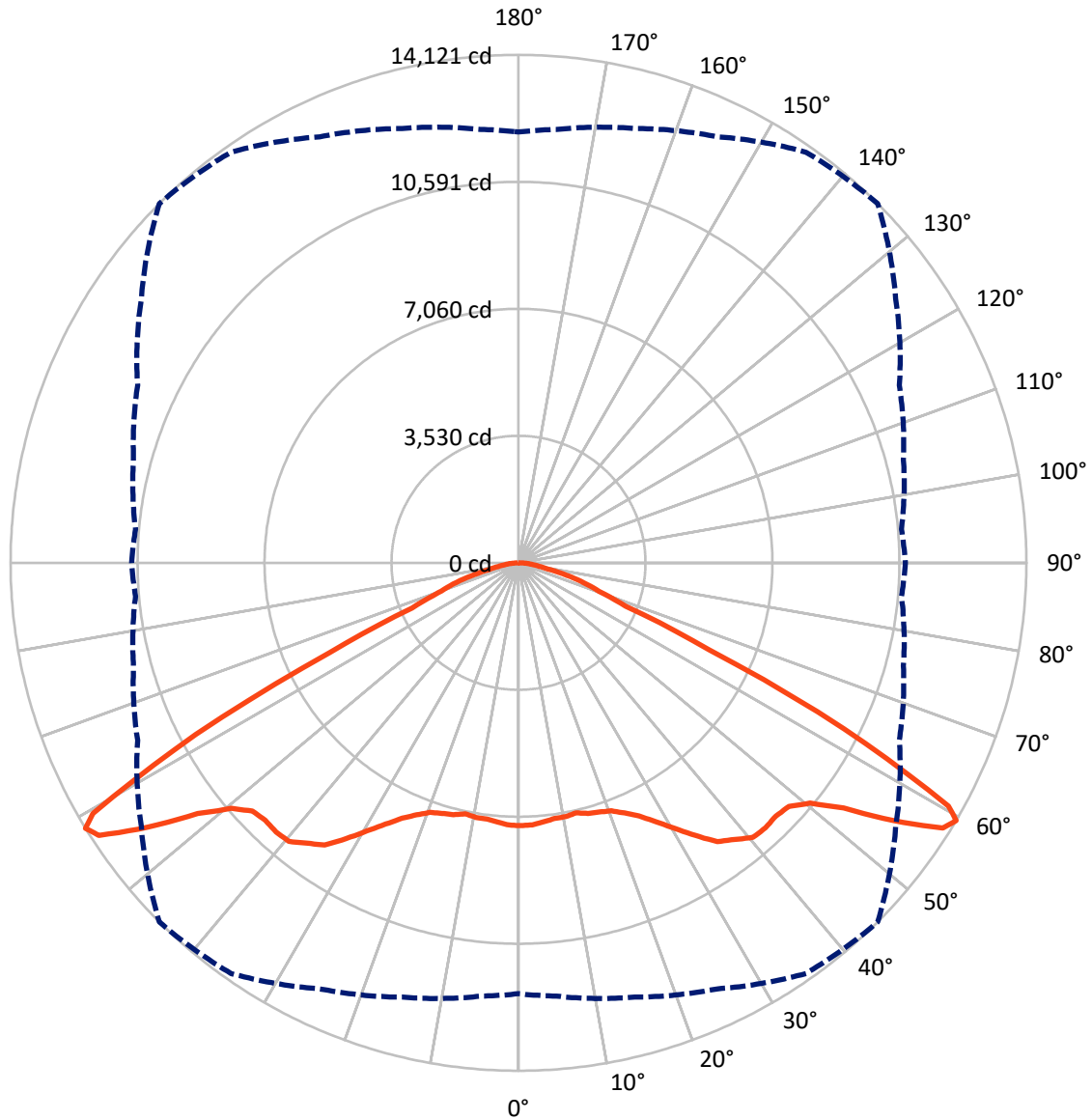
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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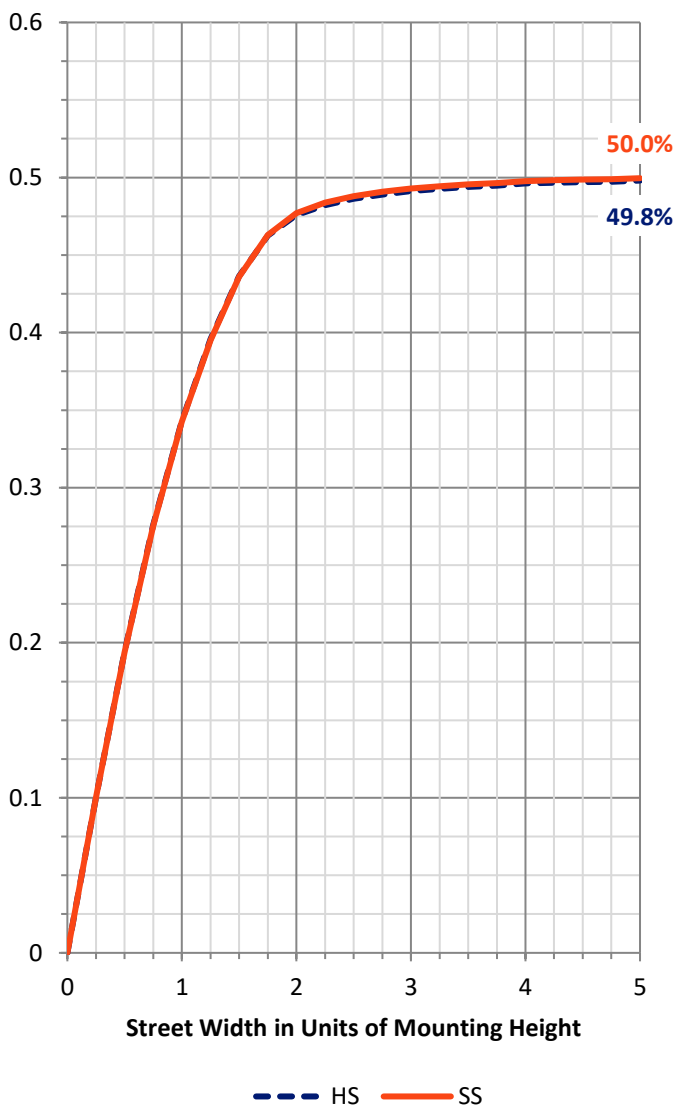
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18917.0	0.0	18917.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18917.0	0.0	18917.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37834.0	0.0	37834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.9	1.8
10°-20°	2048.6	5.4
20°-30°	3577.1	9.5
30°-40°	5713.2	15.1
40°-50°	7782.5	20.6
50°-60°	10524.0	27.8
60°-70°	5771.4	15.3
70°-80°	1476.5	3.9
80°-90°	251.8	0.7
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°	37834.0	100.0
0°-180°	37834.0	100.0

Coefficient of Utilization



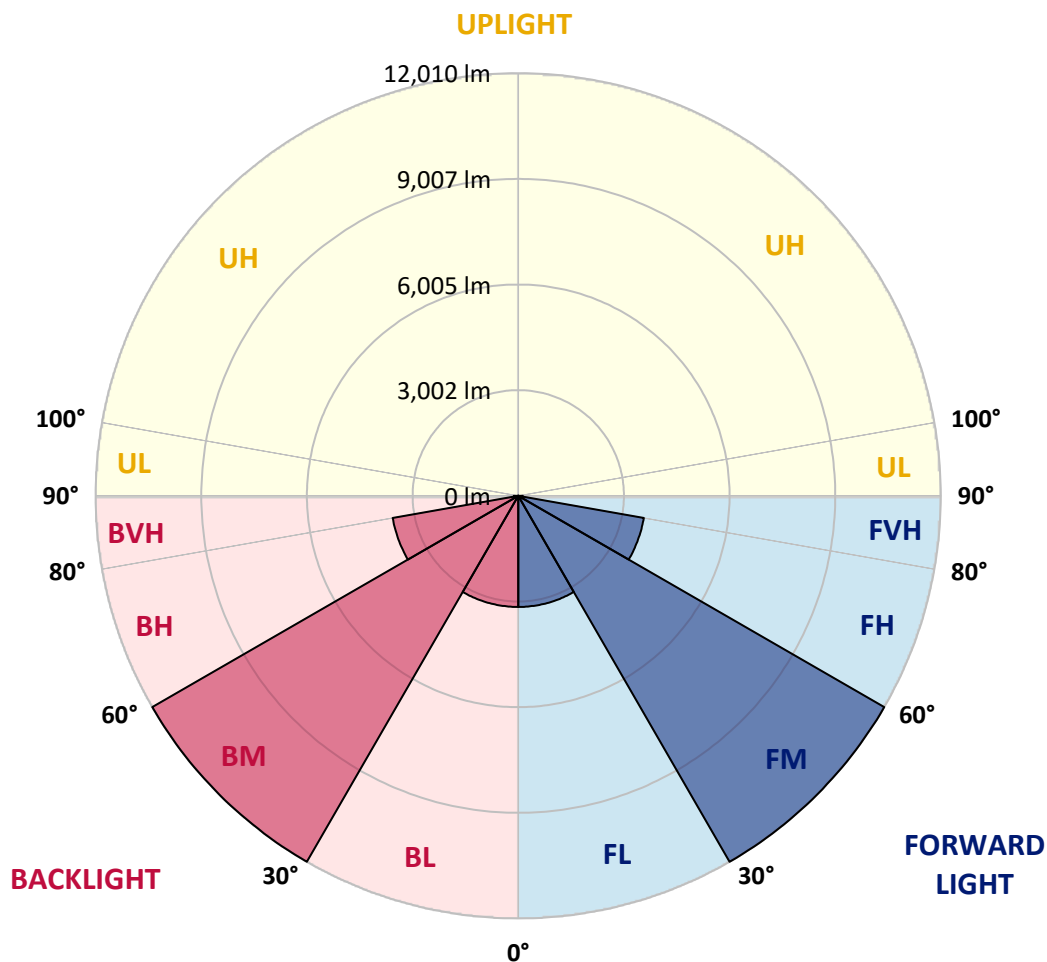
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3157.3	8.3			
FM (30°-60°)	12009.8	31.7			
FH (60°-80°)	3623.9	9.6			G2/5000
FVH (80°-90°)	125.9	0.3			G2/225
BL (0°-30°)	3157.3	8.3	B4/5000		
BM (30°-60°)	12009.8	31.7	B5		
BH (60°-80°)	3623.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	125.9	0.3			G2/225
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°	7307.7	7307.7	7307.7	7307.7	7307.7	7307.7	7307.7	7307.7	7307.7	7307.7	7307.7
2.5°	7264.1	7317.4	7278.6	7312.6	7307.7	7293.2	7268.9	7254.4	7235.0	7264.1	7215.6
5°	7235.0	7278.6	7322.3	7264.1	7264.1	7235.0	7220.4	7191.3	7191.3	7186.5	7181.6
7.5°	7283.5	7239.8	7220.4	7230.1	7239.8	7176.8	7220.4	7162.2	7113.8	7147.7	7186.5
10°	7239.8	7259.2	7186.5	7220.4	7167.1	7176.8	7147.7	7186.5	7133.1	7133.1	7133.1
12.5°	7283.5	7230.1	7254.4	7230.1	7215.6	7133.1	7171.9	7128.3	7123.5	7171.9	7128.3
15°	7370.8	7283.5	7264.1	7215.6	7230.1	7230.1	7191.3	7196.2	7142.8	7171.9	7181.6
17.5°	7341.7	7293.2	7278.6	7220.4	7268.9	7283.5	7210.7	7162.2	7196.2	7191.3	7186.5
20°	7365.9	7385.3	7370.8	7380.5	7399.9	7361.1	7293.2	7225.3	7181.6	7244.7	7239.8
22.5°	7521.1	7501.7	7492.0	7482.3	7516.2	7555.0	7462.9	7356.2	7356.2	7399.9	7419.3
25°	7647.2	7642.3	7637.5	7681.1	7797.5	7797.5	7681.1	7545.3	7511.4	7540.5	7516.2
27.5°	7831.4	7884.8	7865.4	7943.0	8112.7	8151.5	7996.3	7836.3	7744.1	7710.2	7753.8
30°	8253.3	8190.3	8204.8	8287.3	8437.6	8563.7	8326.0	8156.3	8030.2	8025.4	8044.8
32.5°	8534.6	8583.1	8626.7	8704.3	8941.9	9038.9	8752.8	8476.4	8398.8	8355.1	8369.7
35°	9097.1	9053.4	9043.7	9121.3	9358.9	9518.9	9160.1	8917.6	8815.8	8912.8	8912.8
37.5°	9630.5	9509.2	9417.1	9518.9	9737.2	9756.6	9451.1	9320.1	9266.8	9378.3	9373.5
40°	9882.6	9872.9	9659.6	9717.8	10008.7	10037.8	9751.7	9596.5	9586.8	9732.3	9877.8
42.5°	10144.5	10052.4	9839.0	9877.8	10057.2	10066.9	9795.4	9751.7	9858.4	9999.0	10008.7
45°	10188.1	10110.5	9974.8	9877.8	10008.7	10037.8	9877.8	9906.9	9916.6	10086.3	10086.3
47.5°	10275.4	10265.7	10188.1	10115.4	10139.6	10115.4	10013.6	10057.2	10202.7	10285.1	10246.3
50°	10517.9	10416.0	10493.6	10430.6	10435.4	10503.3	10411.2	10454.8	10425.7	10353.0	10304.5
52.5°	11051.3	11002.8	11070.7	11114.3	11162.8	11318.0	11211.3	10978.6	10760.3	10566.4	10561.5
55°	11832.0	11866.0	11996.9	12219.9	12409.1	12656.4	12142.4	11584.7	11235.6	10930.1	10949.5
57.5°	12569.1	12544.8	12724.3	13233.4	13786.2	13912.3	12903.7	12108.4	11541.1	11347.1	11264.7
59°	11977.5	12093.9	12501.2	13068.5	13936.6	14120.8	12801.8	11681.7	11080.4	10687.6	10755.5
60°	11046.4	11090.1	11453.8	12244.2	13417.7	13732.9	12118.1	11022.2	10222.1	9994.2	10096.0
62.5°	7807.2	7773.2	8035.1	8680.0	9732.3	10159.0	9009.8	8238.8	7734.4	7482.3	7540.5
65°	4150.9	4306.1	4412.8	4815.2	5372.9	5823.9	5348.6	5014.1	4732.8	4524.3	4519.4
67.5°	2802.8	2783.4	2807.7	2899.8	3088.9	3215.0	3205.3	3035.6	3011.3	2972.5	3016.2
70°	2361.6	2351.9	2308.2	2308.2	2347.0	2376.1	2410.0	2429.4	2468.2	2516.7	2511.9
72.5°	1915.4	1891.2	1862.1	1847.5	1896.0	1910.6	1954.2	1973.6	2007.6	2002.7	2046.4
75°	1265.6	1265.6	1299.6	1338.4	1352.9	1382.0	1386.9	1445.1	1445.1	1454.8	1416.0
77.5°	708.0	688.6	712.8	751.6	785.6	838.9	892.2	935.9	960.1	950.4	950.4
80°	412.2	412.2	436.4	480.1	523.7	572.2	611.0	644.9	669.2	659.5	640.1
82.5°	257.0	257.0	281.3	324.9	358.8	387.9	441.3	484.9	514.0	504.3	480.1
85°	130.9	130.9	160.0	189.1	232.8	252.2	247.3	227.9	223.1	198.8	198.8
87.5°	33.9	33.9	48.5	53.3	43.6	48.5	48.5	48.5	48.5	48.5	53.3
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)