

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: P528404

Luminaire Tested: **GALN-SA3C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528404
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-SA3C-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA 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: 16871 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

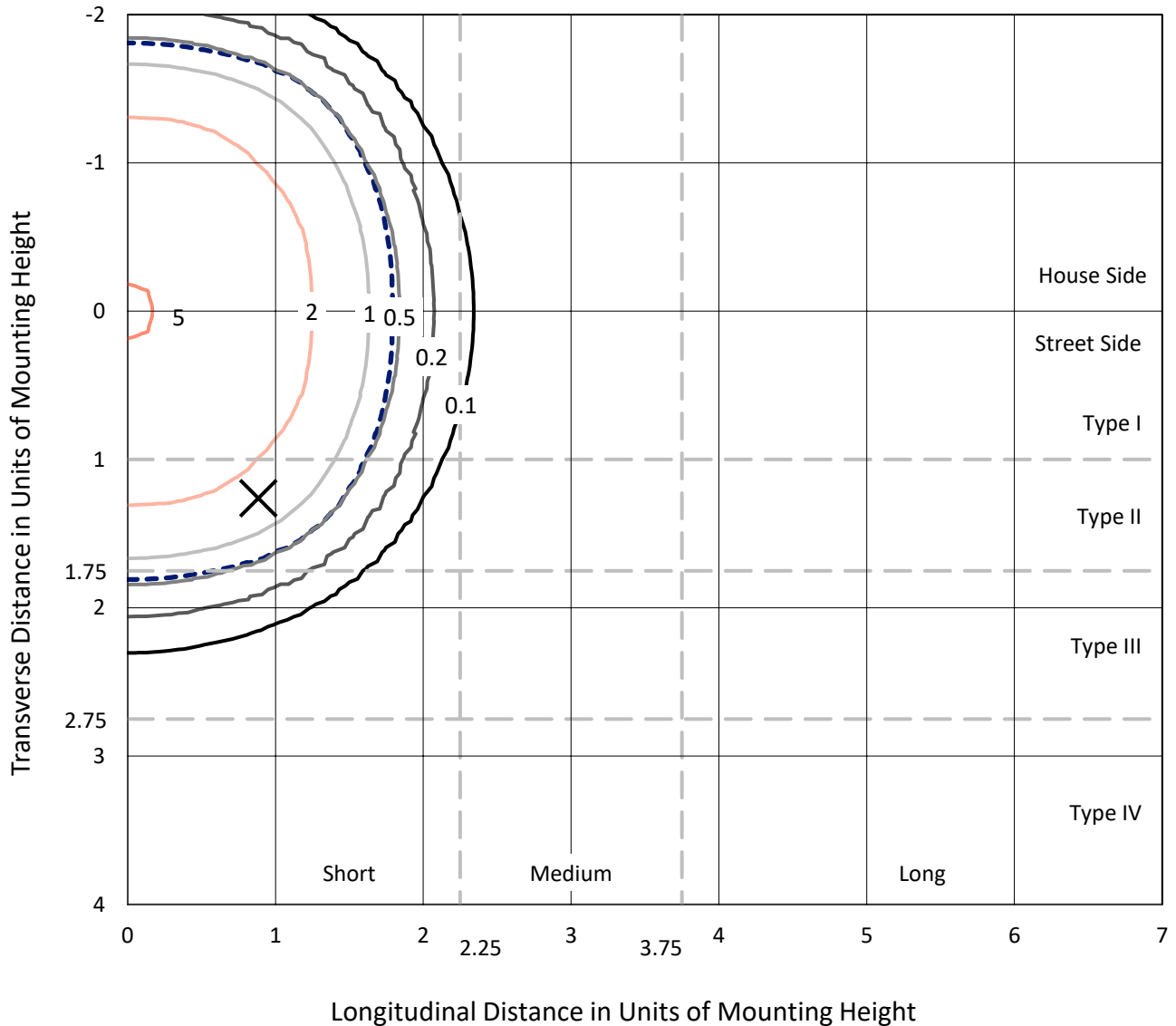
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

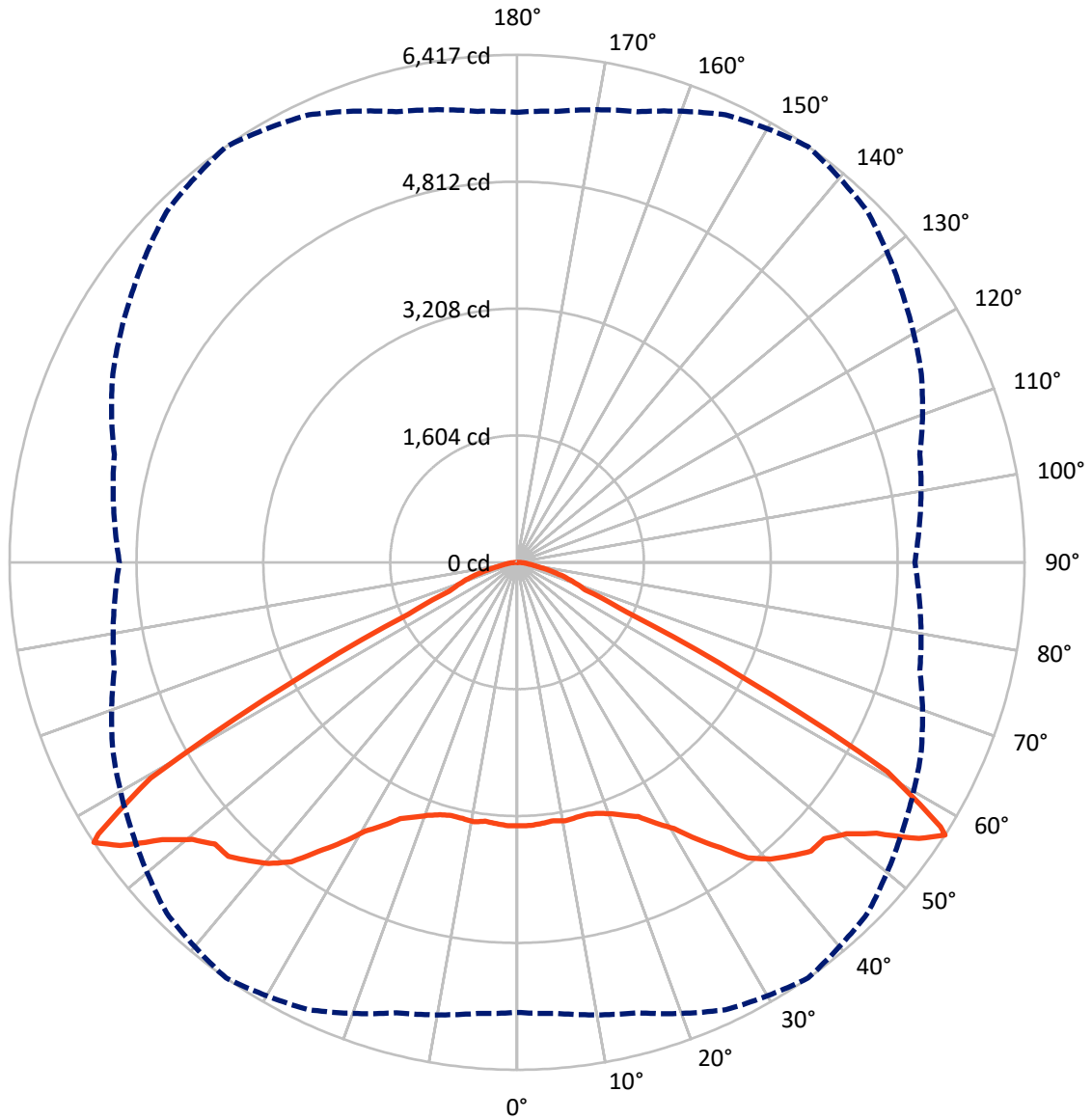
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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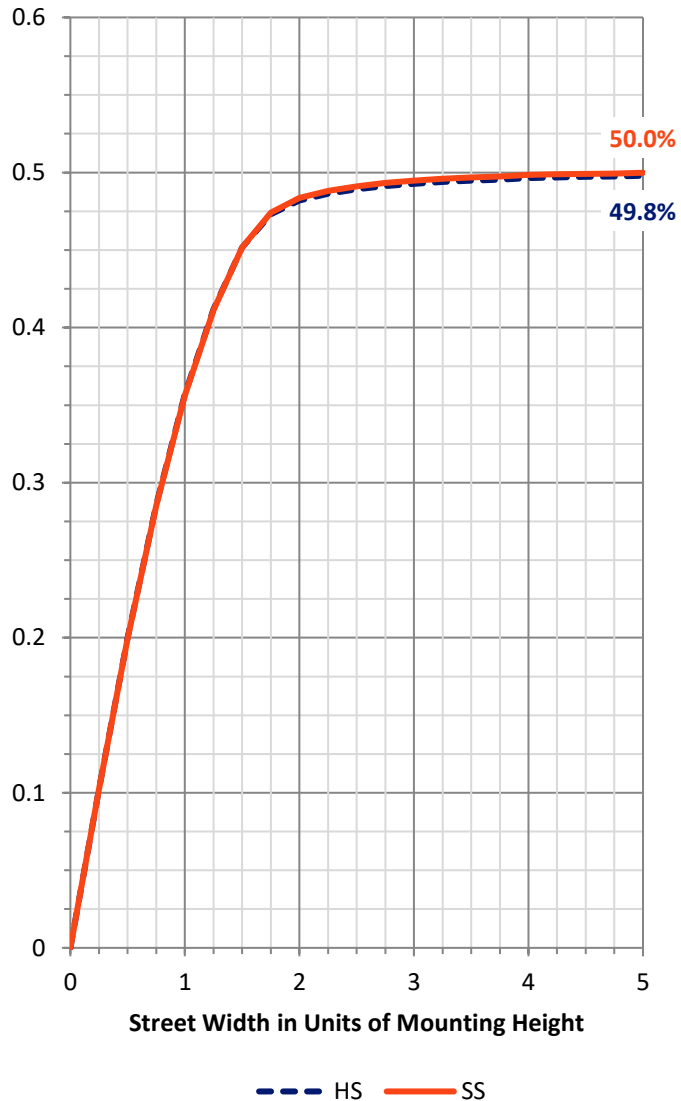
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8435.5	0.0	8435.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8435.5	0.0	8435.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16871.0	0.0	16871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.9	1.9
10°-20°	935.5	5.5
20°-30°	1633.9	9.7
30°-40°	2677.2	15.9
40°-50°	3925.4	23.3
50°-60°	4944.4	29.3
60°-70°	1859.5	11.0
70°-80°	494.4	2.9
80°-90°	84.8	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°	16871.0	100.0
0°-180°	16871.0	100.0

Coefficient of Utilization

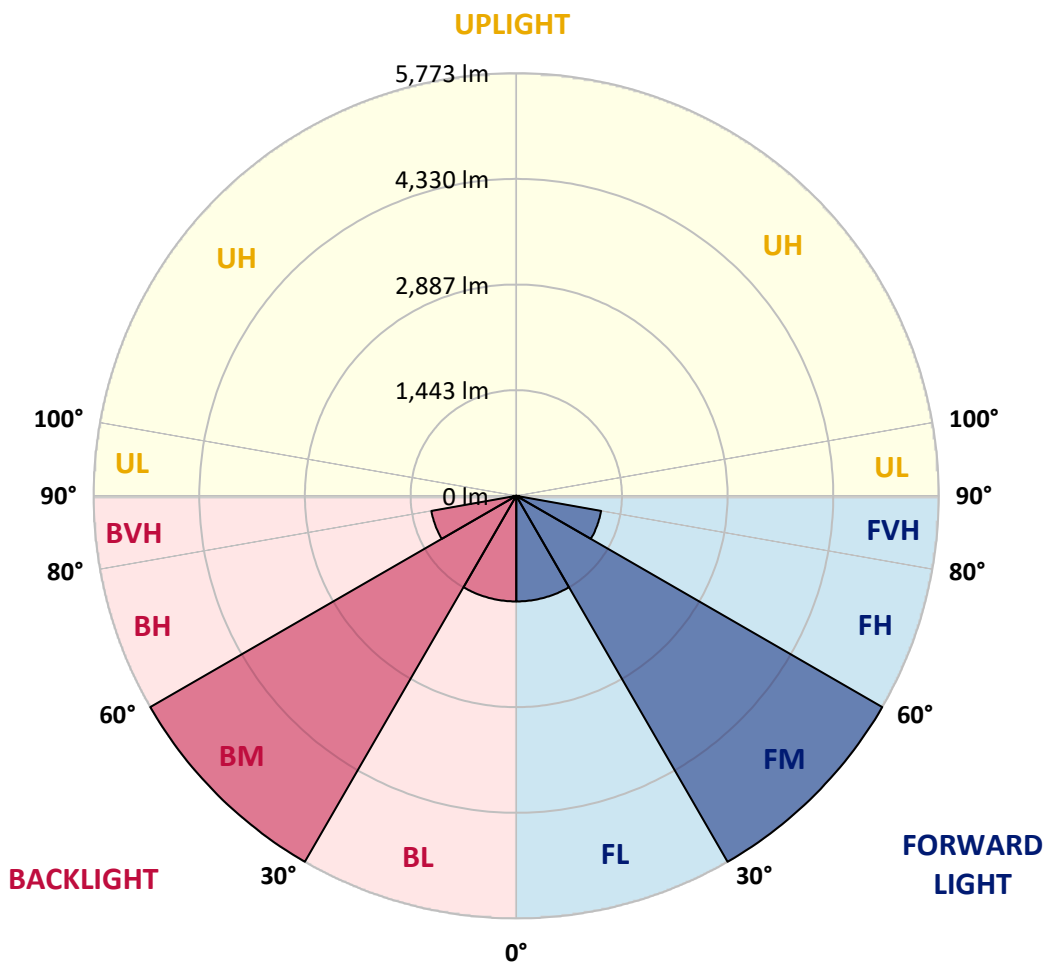


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1442.7	8.6			
FM (30°-60°)	5773.5	34.2			
FH (60°-80°)	1177.0	7.0			G1/1800
FVH (80°-90°)	42.4	0.3			G1/100
BL (0°-30°)	1442.7	8.6	B3/2500		
BM (30°-60°)	5773.5	34.2	B4/8500		
BH (60°-80°)	1177.0	7.0	B3/2500		G1/1800
BVH (80°-90°)	42.4	0.3			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°	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9
2.5°	3315.3	3348.5	3334.0	3325.7	3331.9	3321.5	3304.9	3323.6	3319.4	3302.8	3296.6
5°	3307.0	3331.9	3315.3	3331.9	3315.3	3344.4	3336.1	3304.9	3342.3	3307.0	3319.4
7.5°	3300.7	3309.0	3313.2	3304.9	3298.6	3334.0	3315.3	3300.7	3279.9	3273.7	3284.1
10°	3286.2	3307.0	3275.8	3317.3	3325.7	3300.7	3300.7	3273.7	3257.1	3246.7	3282.0
12.5°	3323.6	3288.2	3284.1	3304.9	3311.1	3321.5	3292.4	3277.9	3246.7	3250.8	3244.6
15°	3279.9	3294.5	3296.6	3300.7	3307.0	3331.9	3304.9	3273.7	3261.2	3217.6	3221.7
17.5°	3296.6	3282.0	3296.6	3344.4	3336.1	3354.8	3325.7	3277.9	3248.8	3223.8	3257.1
20°	3325.7	3319.4	3325.7	3383.9	3394.3	3410.9	3385.9	3342.3	3286.2	3257.1	3273.7
22.5°	3356.8	3352.7	3356.8	3413.0	3473.2	3494.0	3469.1	3367.2	3338.1	3284.1	3265.4
25°	3413.0	3417.1	3460.8	3523.1	3562.6	3602.1	3556.4	3483.6	3390.1	3356.8	3317.3
27.5°	3537.7	3548.1	3573.0	3664.5	3733.1	3768.4	3704.0	3604.2	3546.0	3477.4	3467.0
30°	3691.5	3691.5	3735.1	3814.1	3907.7	3961.7	3882.7	3764.2	3693.6	3656.2	3633.3
32.5°	3895.2	3872.3	3888.9	4028.2	4173.7	4219.4	4113.4	3967.9	3855.7	3805.8	3789.2
35°	4069.8	4084.3	4121.7	4271.4	4433.5	4539.5	4373.2	4184.1	4069.8	4024.1	4015.7
37.5°	4296.3	4321.3	4340.0	4545.8	4741.1	4780.6	4620.6	4468.9	4329.6	4292.2	4271.4
40°	4616.4	4599.8	4606.0	4757.8	4934.5	4959.4	4801.4	4693.3	4579.0	4556.2	4556.2
42.5°	4880.4	4861.7	4882.5	4938.6	5073.7	5055.0	4967.7	4888.7	4840.9	4816.0	4840.9
45°	5040.5	5036.3	5073.7	5115.3	5210.9	5148.5	5079.9	5092.4	5046.7	5005.1	5003.0
47.5°	5215.1	5188.0	5233.8	5296.1	5223.4	5194.3	5190.1	5217.1	5202.6	5129.8	5107.0
50°	5300.3	5289.9	5362.6	5435.4	5395.9	5329.4	5343.9	5387.6	5200.5	5102.8	5046.7
52.5°	5528.9	5531.0	5670.3	5709.7	5693.1	5595.4	5626.6	5508.1	5287.8	5150.6	5156.9
55°	5888.5	5874.0	6029.8	6146.2	6164.9	6040.2	5890.6	5724.3	5447.9	5308.6	5267.0
57°	5691.0	5724.3	5896.8	6241.9	6416.5	6268.9	5942.5	5639.1	5271.2	5102.8	5028.0
57.5°	5427.1	5481.1	5780.4	6127.5	6310.4	6298.0	5878.1	5481.1	5152.7	4890.8	4897.0
60°	3976.2	3986.6	4256.8	4807.7	5379.3	5391.7	4880.4	4354.5	3988.7	3704.0	3743.4
62.5°	2097.2	2145.1	2253.1	2695.9	3190.6	3311.1	3001.4	2731.2	2415.3	2199.1	2219.9
65°	1109.9	1103.7	1155.7	1280.4	1523.6	1585.9	1544.4	1330.3	1220.1	1184.8	1186.8
67.5°	902.1	912.5	906.2	912.5	929.1	956.1	949.9	958.2	964.4	974.8	972.8
70°	764.9	764.9	769.1	771.1	771.1	783.6	798.2	825.2	827.3	837.7	841.8
72.5°	602.8	598.6	604.9	619.4	621.5	631.9	652.7	669.3	675.5	675.5	663.1
75°	409.5	413.6	421.9	434.4	446.9	465.6	482.2	492.6	496.8	490.5	484.3
77.5°	230.7	234.9	241.1	259.8	274.4	291.0	309.7	320.1	330.5	332.6	320.1
80°	137.2	137.2	147.6	162.1	178.8	195.4	212.0	224.5	228.6	228.6	222.4
82.5°	83.1	85.2	93.5	108.1	122.6	133.0	147.6	158.0	166.3	164.2	160.0
85°	43.6	43.6	52.0	64.4	74.8	85.2	85.2	79.0	74.8	64.4	60.3
87.5°	14.5	12.5	16.6	16.6	14.5	16.6	16.6	18.7	18.7	18.7	18.7
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)