

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: P528406

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528406
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-SA3C-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 17216 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

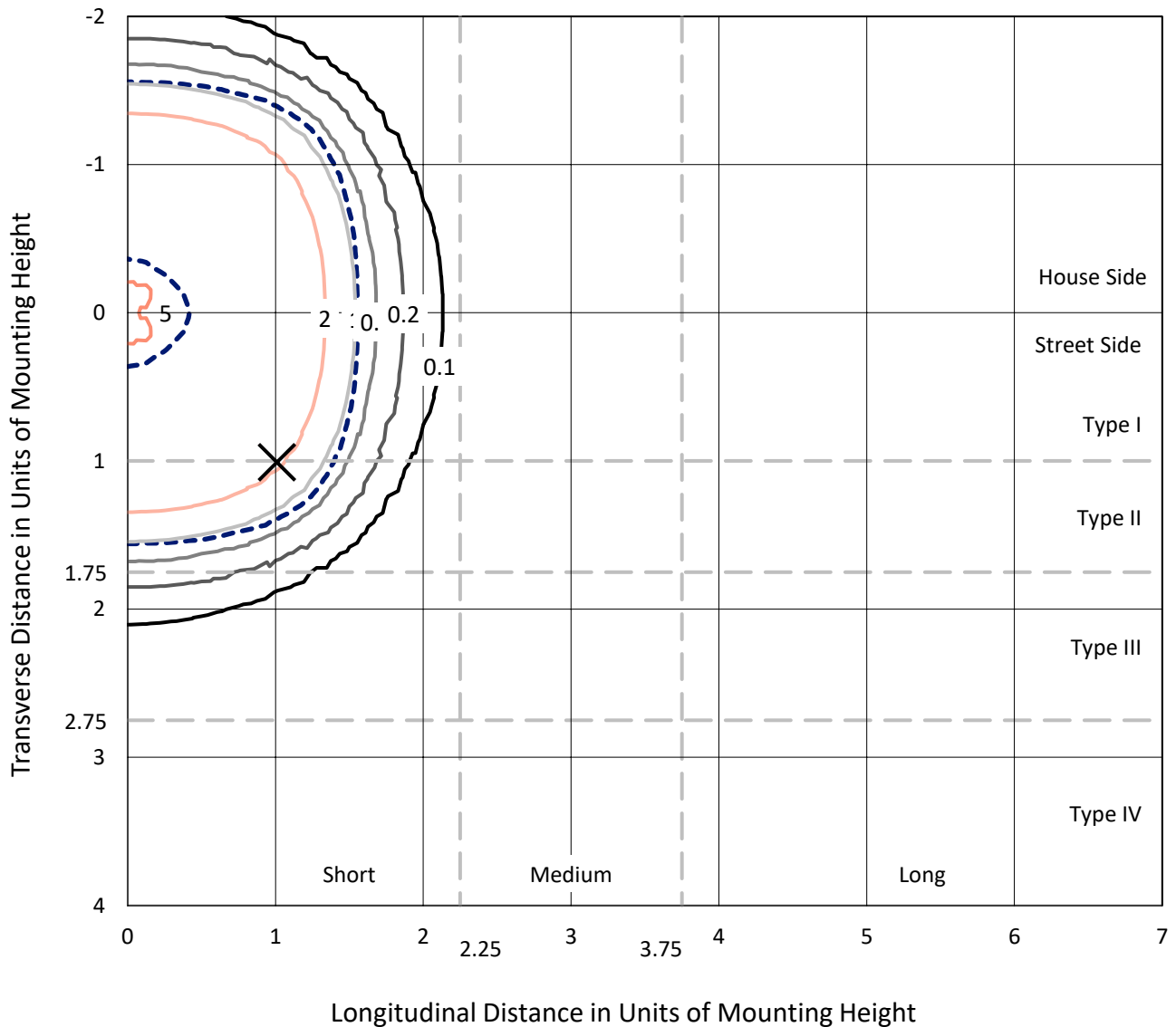
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

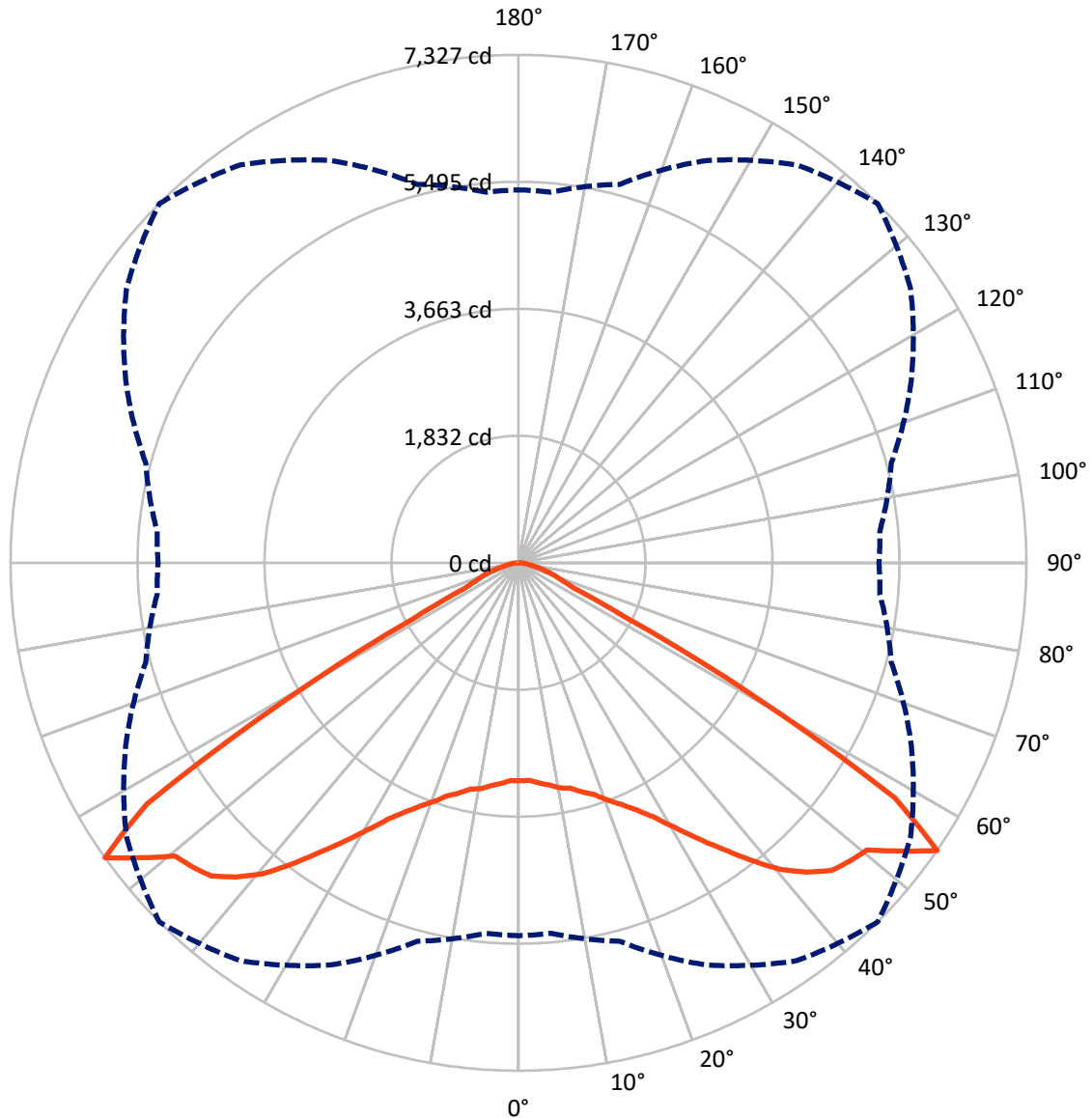
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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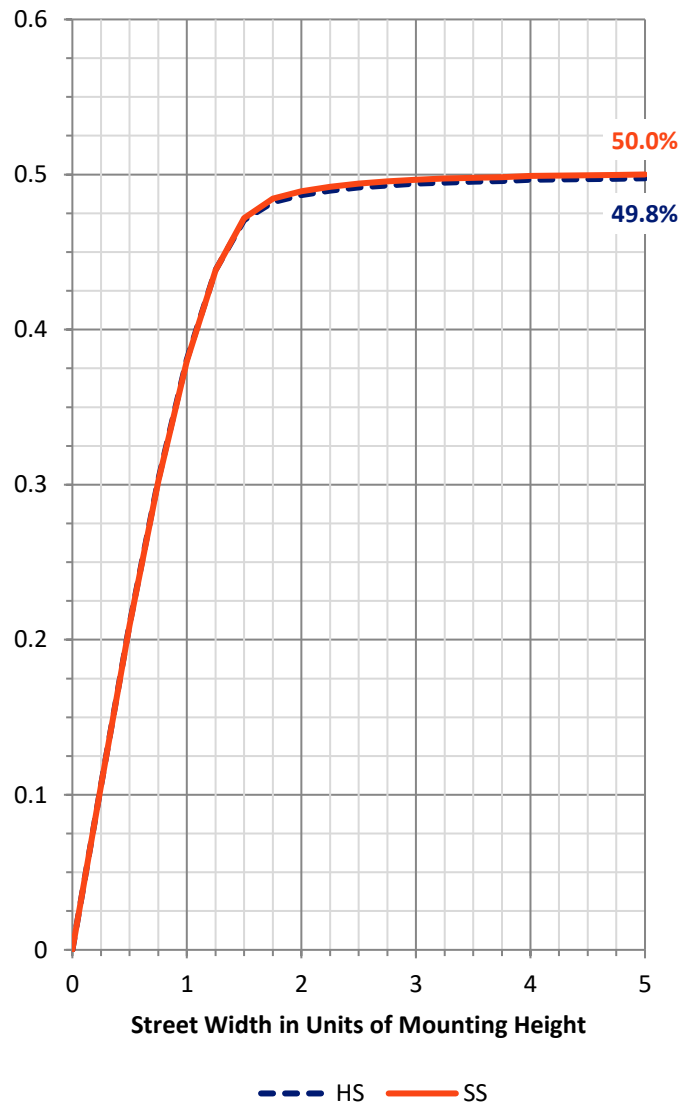
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8608.0	0.0	8608.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8608.0	0.0	8608.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17216.0	0.0	17216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	1.8
10°-20°	973.0	5.7
20°-30°	1814.3	10.5
30°-40°	3037.7	17.6
40°-50°	4726.9	27.5
50°-60°	4908.0	28.5
60°-70°	1040.8	6.0
70°-80°	342.8	2.0
80°-90°	65.3	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°	17216.0	100.0
0°-180°	17216.0	100.0

Coefficient of Utilization



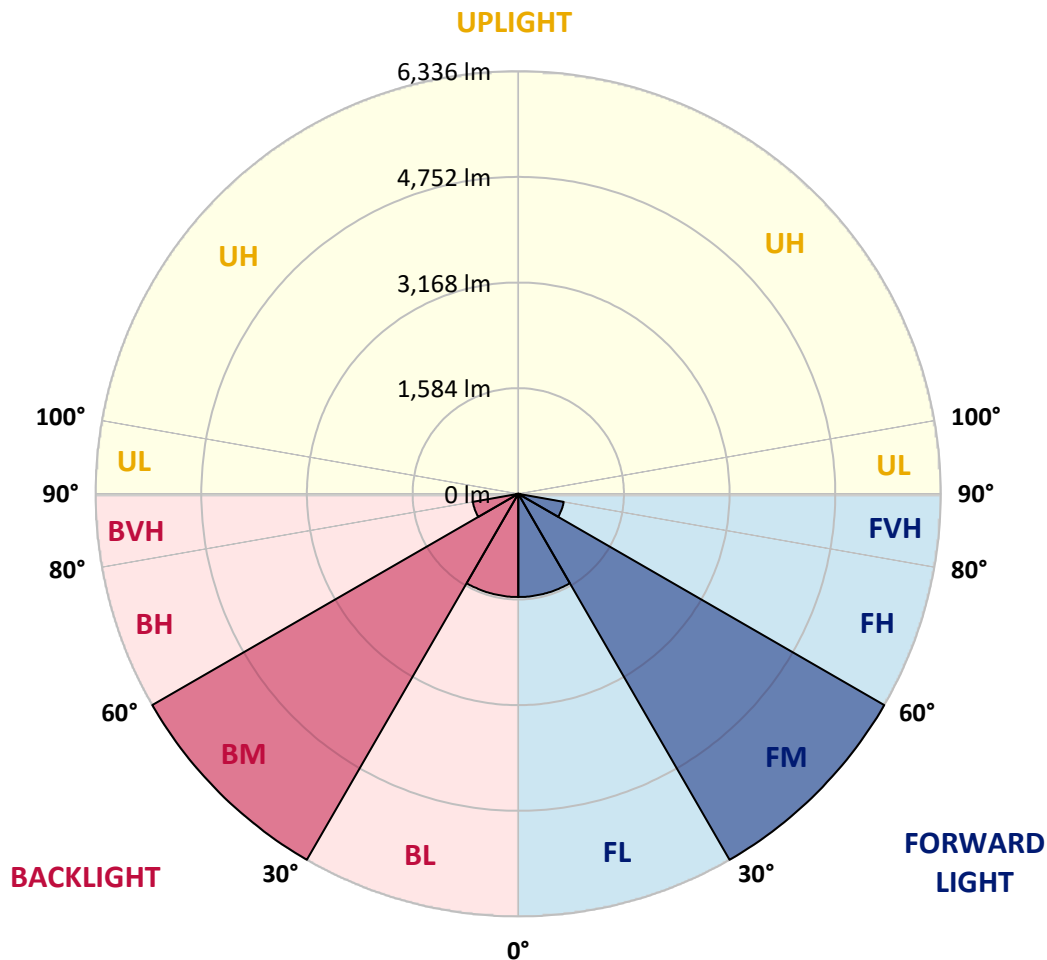
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.2	9.0			
FM (30°-60°)	6336.4	36.8			
FH (60°-80°)	691.8	4.0			G1/1800
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	1547.2	9.0	B3/2500		
BM (30°-60°)	6336.4	36.8	B4/8500		
BH (60°-80°)	691.8	4.0	B2/1000		G1/1800
BVH (80°-90°)	32.6	0.2			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°	3143.4	3143.4	3143.4	3143.4	3143.4	3143.4	3143.4	3143.4	3143.4	3143.4	3143.4
2.5°	3180.8	3166.3	3141.3	3160.0	3174.6	3143.4	3155.9	3162.1	3157.9	3141.3	3147.5
5°	3226.6	3218.3	3197.5	3212.0	3193.3	3193.3	3180.8	3164.2	3189.2	3185.0	3195.4
7.5°	3226.6	3216.2	3257.8	3230.8	3239.1	3239.1	3218.3	3201.6	3214.1	3195.4	3185.0
10°	3291.1	3305.7	3286.9	3293.2	3289.0	3303.6	3272.4	3262.0	3251.6	3245.3	3232.8
12.5°	3368.1	3357.7	3363.9	3359.7	3374.3	3336.9	3318.1	3295.2	3314.0	3286.9	3305.7
15°	3430.5	3424.2	3430.5	3447.1	3432.6	3430.5	3397.2	3374.3	3345.2	3351.4	3322.3
17.5°	3515.8	3509.5	3511.6	3526.2	3524.1	3513.7	3488.7	3445.0	3434.6	3418.0	3399.3
20°	3642.7	3632.3	3628.1	3634.3	3644.7	3653.1	3603.1	3586.5	3551.1	3524.1	3492.9
22.5°	3750.8	3746.7	3763.3	3736.3	3759.2	3784.1	3736.3	3728.0	3640.6	3626.0	3592.7
25°	3900.6	3894.4	3884.0	3923.5	3950.6	3948.5	3902.7	3856.9	3790.4	3773.7	3773.7
27.5°	4058.7	4023.4	4077.5	4087.9	4135.7	4150.3	4110.7	4044.2	3981.8	3946.4	3954.7
30°	4256.4	4223.1	4235.6	4310.5	4372.9	4427.0	4327.1	4229.3	4141.9	4079.5	4069.1
32.5°	4454.0	4420.7	4458.2	4531.0	4655.8	4736.9	4639.1	4468.6	4366.6	4275.1	4293.8
35°	4614.2	4639.1	4699.5	4809.7	4938.7	5069.8	4913.7	4782.7	4637.1	4535.1	4549.7
37.5°	4872.1	4949.1	4997.0	5123.9	5306.9	5442.2	5279.9	5109.3	4953.3	4820.1	4774.4
40°	5209.2	5261.2	5315.3	5465.0	5681.4	5816.6	5662.7	5440.1	5286.1	5148.8	5142.6
42.5°	5579.5	5629.4	5685.6	5868.6	5997.6	6099.5	5958.1	5839.5	5668.9	5560.7	5554.5
45°	6010.1	5974.7	6037.1	6157.8	6266.0	6332.5	6241.0	6182.8	6060.0	5960.2	5949.8
47.5°	6297.2	6266.0	6378.3	6486.5	6503.1	6430.3	6449.0	6503.1	6374.1	6209.8	6261.8
50°	6463.6	6463.6	6538.5	6638.3	6607.1	6513.5	6661.2	6665.4	6536.4	6390.8	6390.8
52.5°	6174.4	6238.9	6451.1	6777.7	6881.7	6908.8	6875.5	6734.0	6397.0	6099.5	6085.0
55°	5379.7	5365.2	5652.3	6401.2	7006.6	7326.9	6902.5	6251.4	5567.0	5232.0	5198.8
57.5°	3499.1	3515.8	3944.3	4707.8	5800.0	6397.0	5681.4	4766.0	3944.3	3482.5	3526.2
60°	1574.8	1631.0	1891.0	2461.0	3399.3	3886.1	3407.6	2585.9	1984.6	1722.5	1745.4
62.5°	904.9	915.3	925.7	1098.4	1447.9	1712.1	1504.1	1160.8	1023.5	977.8	977.8
65°	763.5	757.2	759.3	773.9	811.3	865.4	842.5	811.3	815.5	811.3	805.1
67.5°	649.1	657.4	651.1	661.5	663.6	671.9	686.5	699.0	701.1	705.2	701.1
70°	532.6	534.6	538.8	547.1	549.2	555.4	576.3	586.7	592.9	592.9	601.2
72.5°	407.7	405.7	409.8	418.1	428.5	430.6	449.4	463.9	472.2	461.8	463.9
75°	268.4	270.4	276.7	282.9	297.5	312.1	318.3	332.9	334.9	339.1	328.7
77.5°	160.2	164.3	170.6	183.1	195.6	208.0	222.6	233.0	237.2	233.0	220.5
80°	104.0	104.0	112.3	122.7	137.3	147.7	156.0	164.3	170.6	164.3	160.2
82.5°	64.5	64.5	74.9	87.4	97.8	104.0	116.5	126.9	133.1	129.0	122.7
85°	33.3	35.4	43.7	54.1	62.4	66.6	64.5	58.2	52.0	49.9	45.8
87.5°	10.4	10.4	12.5	12.5	10.4	10.4	12.5	10.4	12.5	12.5	12.5
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)