

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: P530277

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22027 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

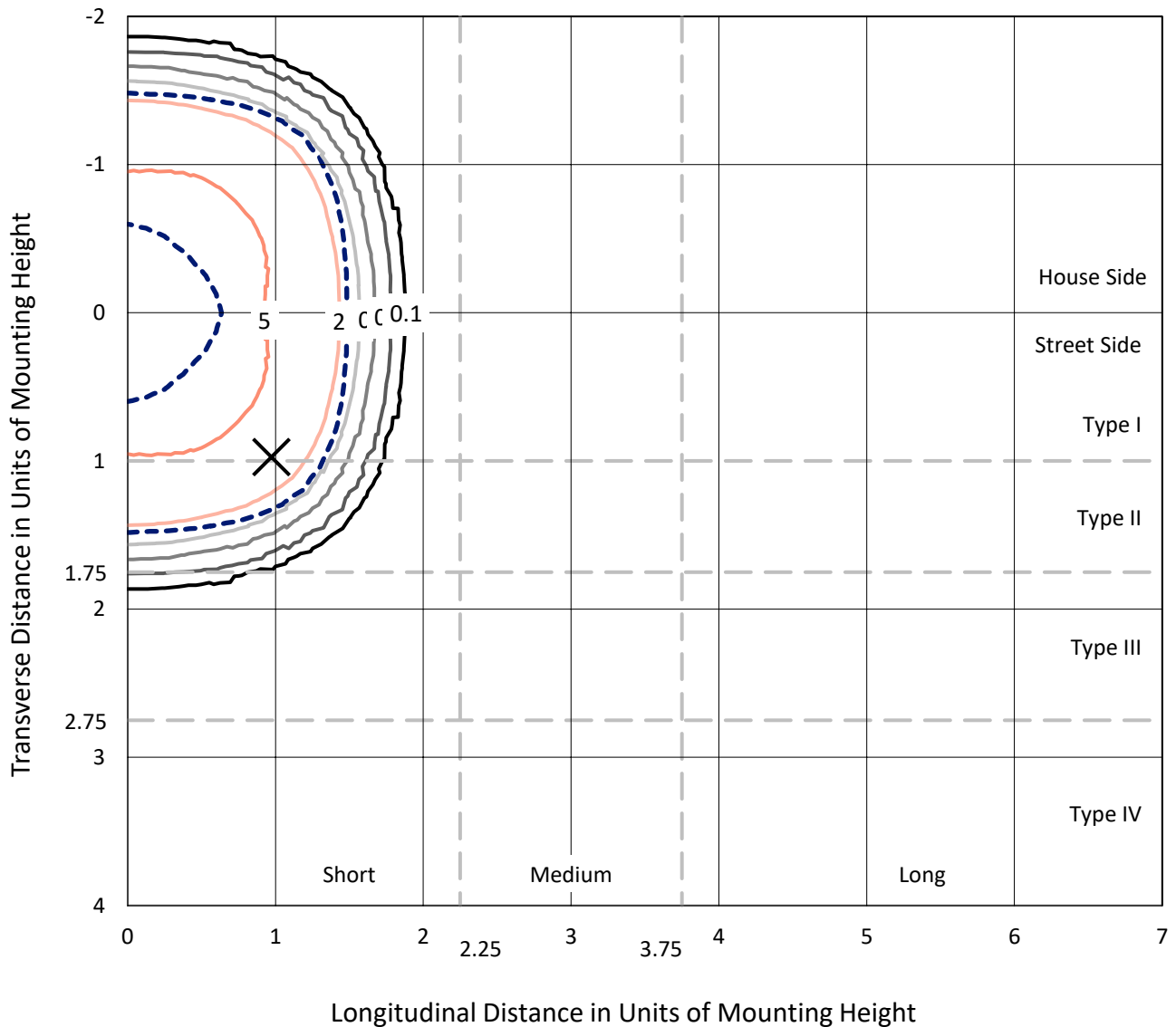
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

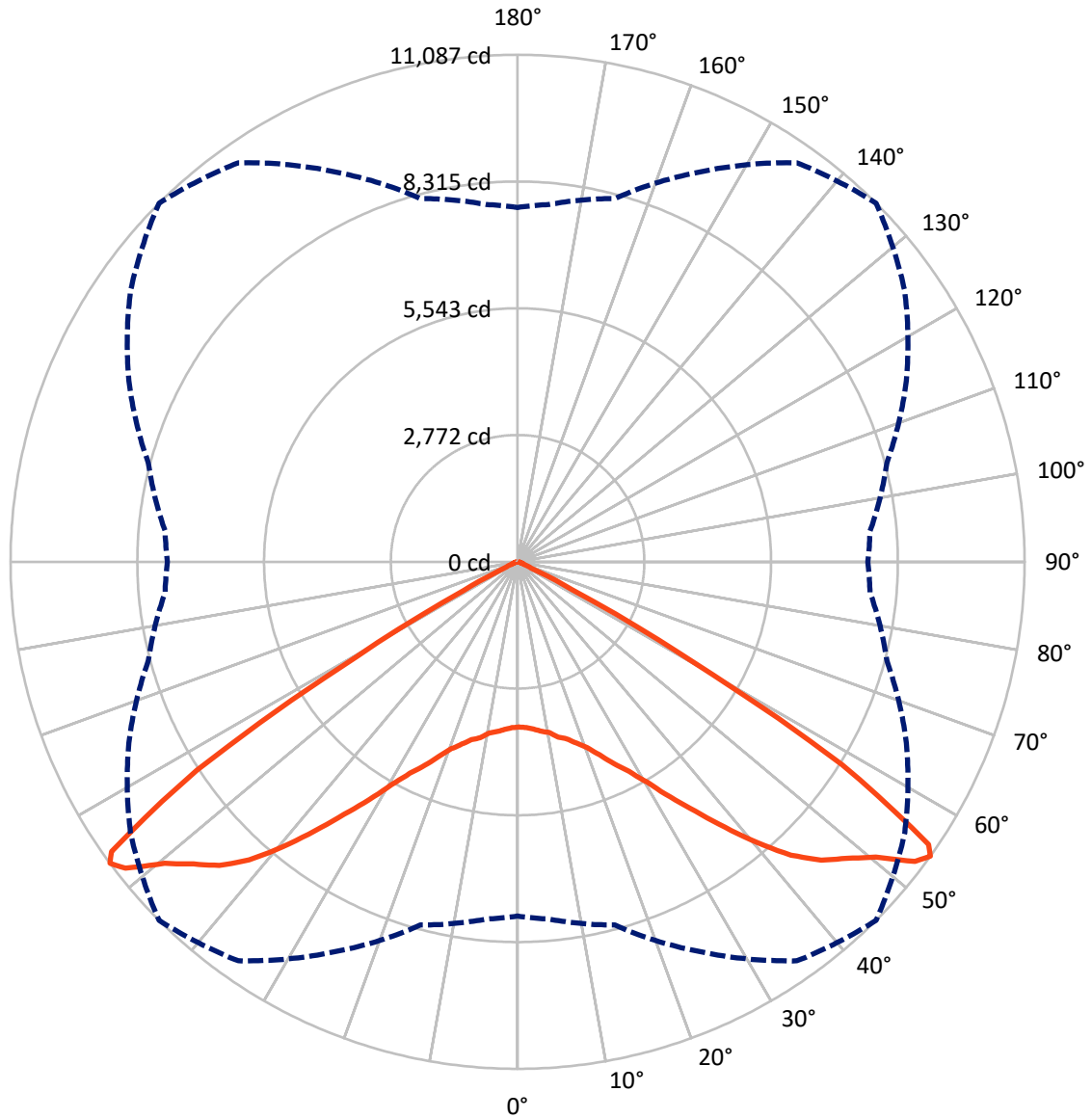
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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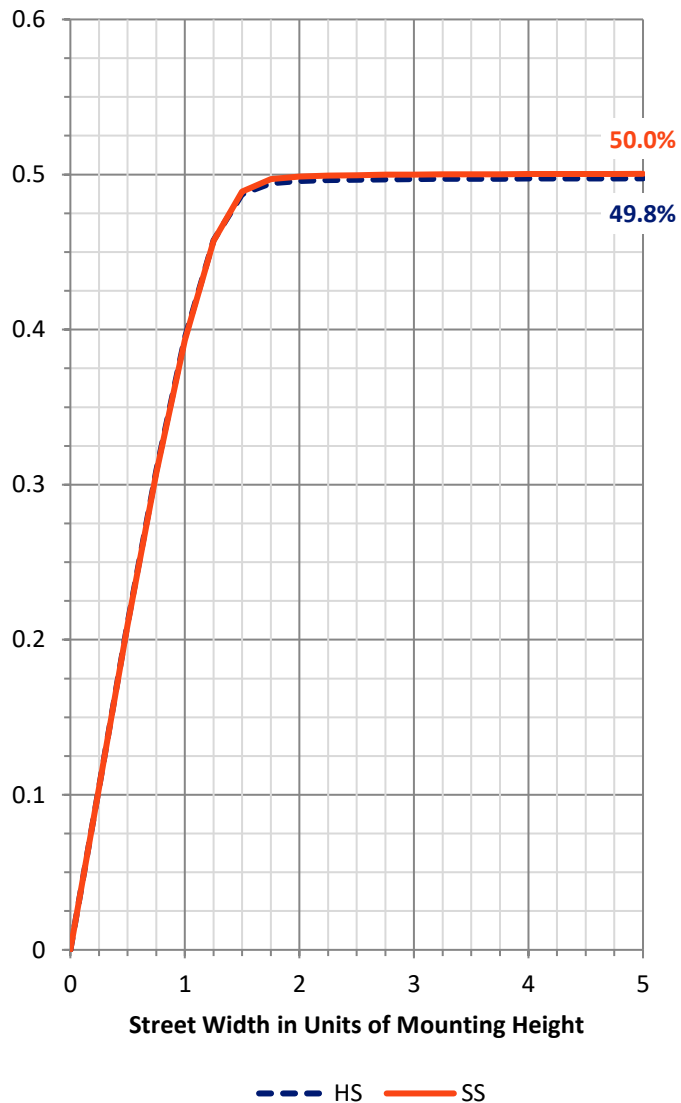
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11013.5	0.0	11013.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11013.5	0.0	11013.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22027.0	0.0	22027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	1.6
10°-20°	1144.8	5.2
20°-30°	2243.7	10.2
30°-40°	4034.6	18.3
40°-50°	6906.5	31.4
50°-60°	6682.7	30.3
60°-70°	572.1	2.6
70°-80°	67.8	0.3
80°-90°	21.3	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°	22027.0	100.0
0°-180°	22027.0	100.0

Coefficient of Utilization

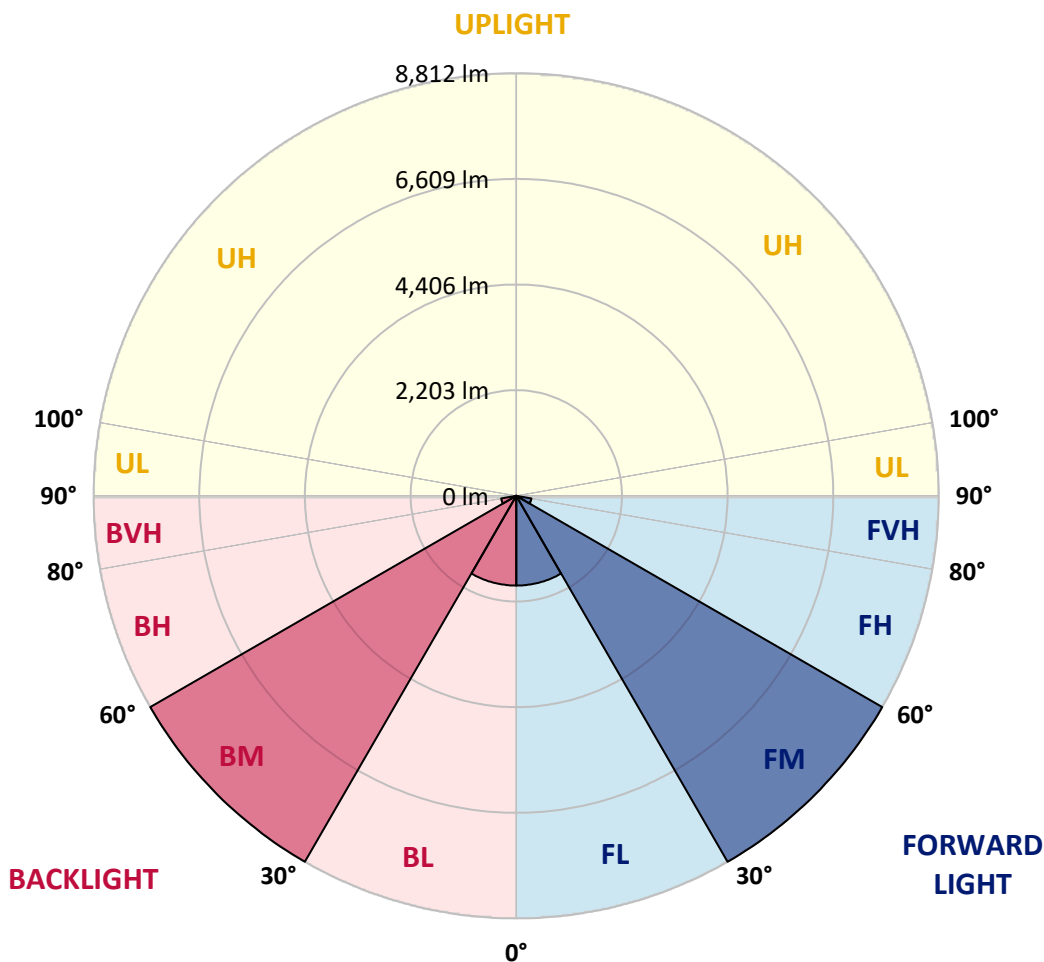


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1871.0	8.5			
FM (30°-60°)	8811.9	40.0			
FH (60°-80°)	319.9	1.5			G0/660
FVH (80°-90°)	10.6	0.0			G1/100
BL (0°-30°)	1871.0	8.5	B3/2500		
BM (30°-60°)	8811.9	40.0	B5		
BH (60°-80°)	319.9	1.5	B1/500		G0/660
BVH (80°-90°)	10.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7
2.5°	3629.2	3650.1	3636.2	3646.6	3646.6	3629.2	3639.7	3597.8	3625.7	3604.8	3608.3
5°	3685.0	3681.5	3681.5	3685.0	3671.1	3678.0	3664.1	3650.1	3639.7	3625.7	3667.6
7.5°	3754.8	3754.8	3730.4	3737.4	3730.4	3740.9	3712.9	3685.0	3674.6	3664.1	3657.1
10°	3821.1	3814.1	3803.7	3835.1	3810.6	3796.7	3782.7	3765.3	3726.9	3712.9	3699.0
12.5°	3918.8	3915.3	3901.4	3932.8	3918.8	3932.8	3880.4	3835.1	3828.1	3782.7	3807.2
15°	4034.0	4065.4	4041.0	4041.0	4034.0	4016.5	3995.6	3974.7	3911.8	3894.4	3897.9
17.5°	4184.0	4173.6	4177.1	4177.1	4212.0	4166.6	4124.7	4072.4	4041.0	4030.5	3995.6
20°	4327.1	4341.1	4337.6	4362.0	4382.9	4334.1	4288.7	4281.7	4194.5	4208.5	4159.6
22.5°	4578.4	4567.9	4585.3	4602.8	4588.8	4581.9	4540.0	4487.6	4410.9	4376.0	4369.0
25°	4843.6	4826.1	4794.7	4836.6	4857.5	4888.9	4808.7	4780.8	4662.1	4609.8	4613.3
27.5°	5070.4	5094.8	5129.7	5147.2	5199.5	5189.0	5133.2	5042.5	4951.8	4892.4	4854.0
30°	5381.0	5394.9	5454.3	5478.7	5569.4	5593.8	5506.6	5401.9	5241.4	5164.6	5119.3
32.5°	5667.1	5764.8	5761.3	5883.5	6030.0	6131.2	5974.2	5813.7	5653.2	5562.4	5482.2
35°	6131.2	6113.8	6215.0	6344.1	6581.4	6696.6	6525.6	6340.6	6096.3	5949.8	5887.0
37.5°	6563.9	6570.9	6707.0	6912.9	7185.1	7363.1	7213.0	6909.4	6658.2	6469.7	6382.5
40°	7192.1	7206.0	7345.6	7579.4	7886.5	8078.4	7904.0	7596.9	7261.9	7115.3	7115.3
42.5°	7928.4	7987.7	8078.4	8280.8	8556.5	8769.4	8612.3	8371.6	8033.1	7844.6	7872.6
45°	8685.6	8713.5	8772.9	9073.0	9202.1	9306.8	9160.2	9048.5	8821.7	8591.4	8553.0
47.5°	9394.0	9404.5	9579.0	9673.2	9774.4	9687.1	9781.4	9634.8	9380.1	9156.7	9111.4
50°	9708.1	9690.6	9938.4	10224.5	10301.3	10147.8	10067.5	9969.8	9582.5	9313.8	9195.1
52.5°	8793.8	8895.0	9355.6	10151.3	10751.5	10880.6	10413.0	9962.8	9240.5	8717.0	8636.8
54°	7746.9	7841.1	8221.5	9401.0	10650.3	11086.5	10332.7	9376.6	8357.6	7736.5	7656.2
55°	6710.5	6605.8	7296.8	8500.7	10175.7	10905.0	10015.2	8619.3	7453.8	6885.0	6773.3
57.5°	3632.7	3650.1	4232.9	5370.5	7150.2	8361.1	7384.0	5831.1	4403.9	3765.3	3709.5
60°	1151.6	1179.5	1434.2	2170.5	3416.3	4079.3	3496.6	2341.5	1619.2	1298.1	1245.8
62.5°	359.4	373.4	408.3	607.2	935.2	1336.5	1046.9	628.1	467.6	429.2	436.2
65°	219.8	219.8	223.3	237.3	279.2	324.5	314.1	275.7	265.2	258.2	254.7
67.5°	143.1	139.6	146.6	157.0	164.0	167.5	178.0	188.4	184.9	178.0	178.0
70°	87.2	83.8	90.7	104.7	108.2	115.2	125.6	139.6	136.1	129.1	132.6
72.5°	48.9	48.9	52.3	62.8	73.3	80.3	90.7	101.2	104.7	101.2	101.2
75°	17.4	20.9	27.9	38.4	45.4	55.8	66.3	76.8	87.2	80.3	76.8
77.5°	7.0	7.0	14.0	24.4	34.9	45.4	62.8	73.3	80.3	73.3	66.3
80°	3.5	3.5	10.5	20.9	31.4	41.9	52.3	62.8	66.3	59.3	52.3
82.5°	3.5	3.5	10.5	20.9	31.4	38.4	55.8	62.8	69.8	62.8	52.3
85°	0.0	3.5	10.5	20.9	27.9	31.4	31.4	20.9	17.4	10.5	10.5
87.5°	0.0	0.0	3.5	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)