

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: P532853

Luminaire Tested: **GALN-SA8B-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532853
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-SA8B-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA 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: 21827 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

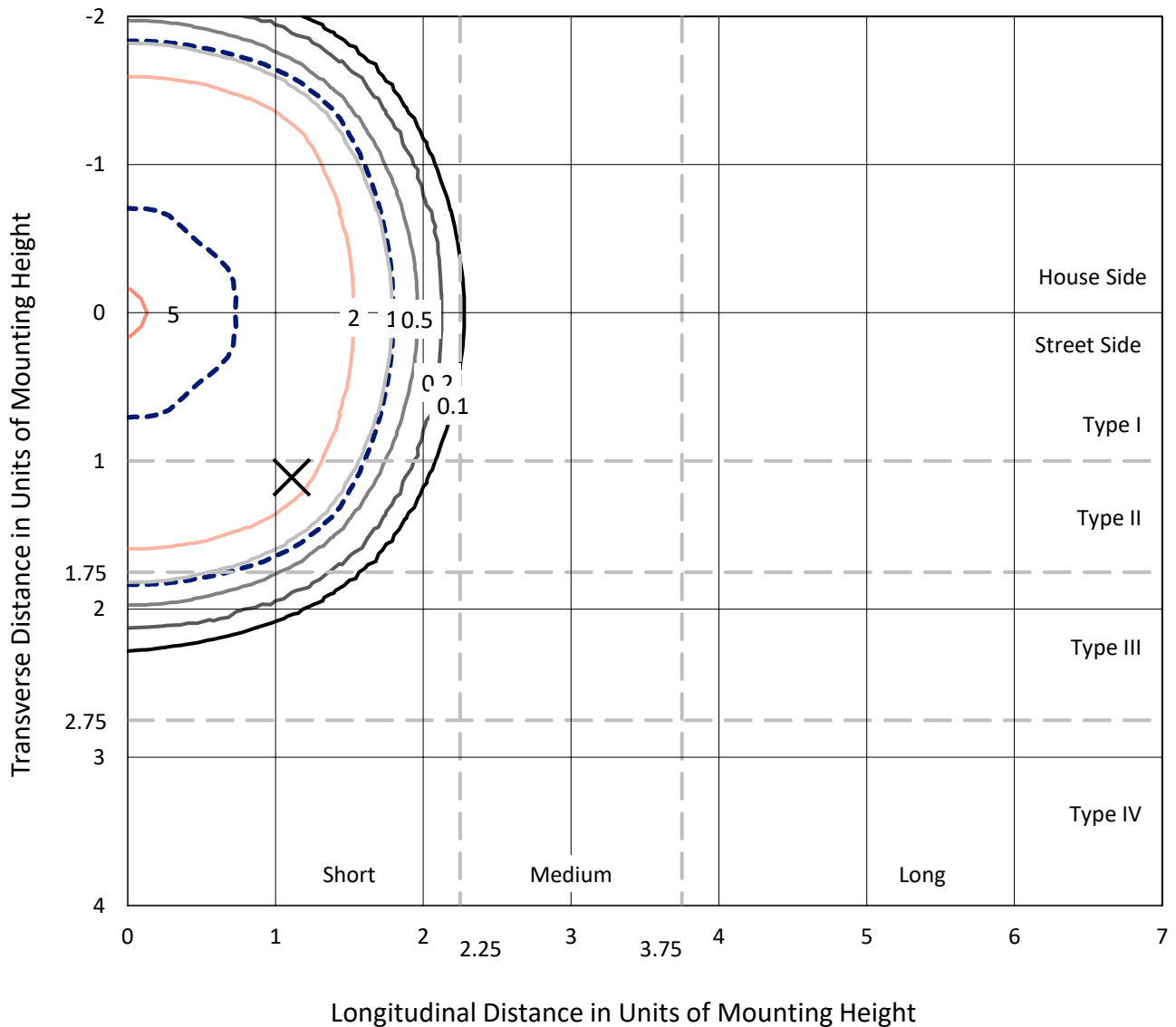
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

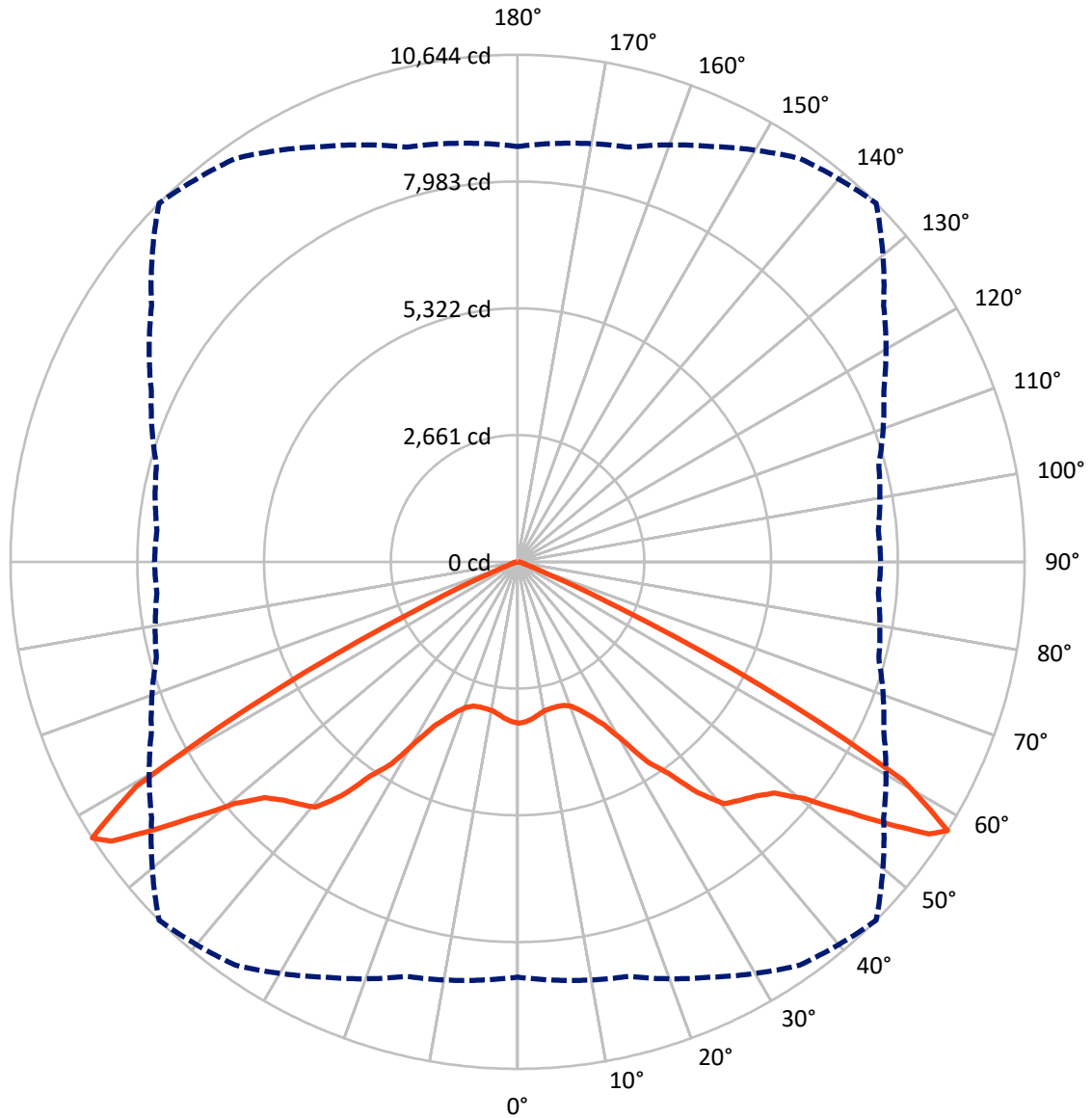
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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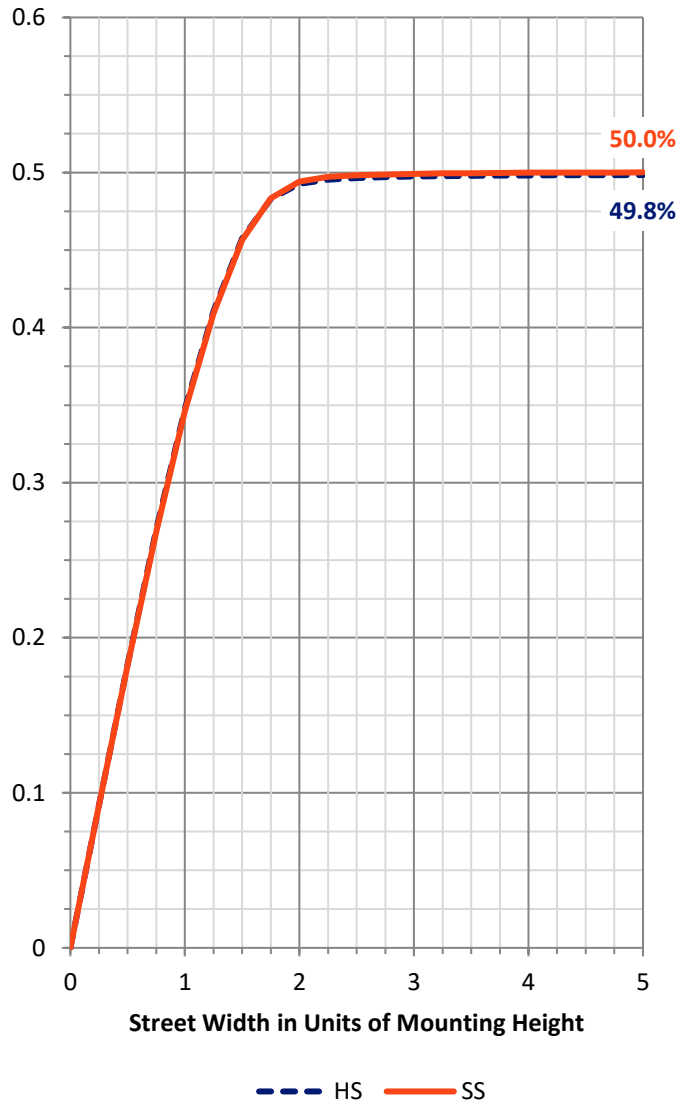
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10913.5	0.0	10913.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10913.5	0.0	10913.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21827.0	0.0	21827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.1	1.4
10°-20°	899.3	4.1
20°-30°	1659.9	7.6
30°-40°	3264.5	15.0
40°-50°	5317.0	24.4
50°-60°	7582.6	34.7
60°-70°	2625.3	12.0
70°-80°	140.8	0.6
80°-90°	26.5	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°	21827.0	100.0
0°-180°	21827.0	100.0

Coefficient of Utilization



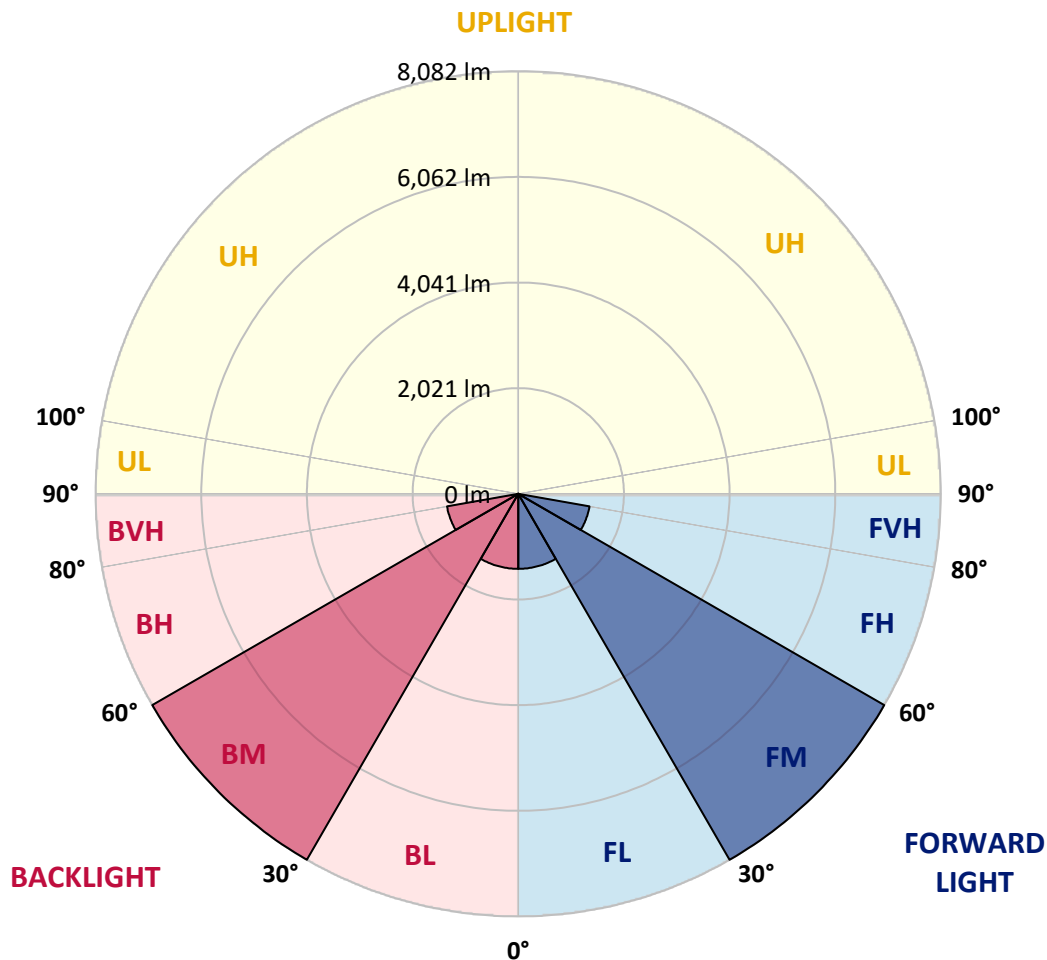
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.2	6.6			
FM (30°-60°)	8082.0	37.0			
FH (60°-80°)	1383.1	6.3			G1/1800
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	1435.2	6.6	B3/2500		
BM (30°-60°)	8082.0	37.0	B4/8500		
BH (60°-80°)	1383.1	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.2	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°	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6	3385.6
2.5°	3376.5	3394.7	3371.9	3362.8	3358.3	3358.3	3344.6	3344.6	3340.1	3344.6	3326.4
5°	3321.9	3340.1	3340.1	3335.5	3308.2	3303.7	3290.0	3280.9	3285.5	3267.3	3280.9
7.5°	3267.3	3280.9	3262.7	3258.2	3249.1	3230.9	3226.3	3185.4	3189.9	3189.9	3199.0
10°	3258.2	3253.6	3226.3	3203.6	3176.3	3171.7	3158.1	3149.0	3149.0	3144.4	3158.1
12.5°	3258.2	3235.4	3230.9	3180.8	3135.3	3153.5	3117.1	3094.4	3126.2	3135.3	3153.5
15°	3253.6	3276.4	3199.0	3176.3	3144.4	3149.0	3117.1	3094.4	3112.6	3121.7	3135.3
17.5°	3280.9	3267.3	3244.5	3199.0	3185.4	3167.2	3126.2	3108.0	3108.0	3130.8	3135.3
20°	3353.7	3317.3	3271.8	3249.1	3262.7	3240.0	3189.9	3121.7	3139.9	3158.1	3171.7
22.5°	3422.0	3394.7	3362.8	3349.2	3426.6	3390.1	3303.7	3226.3	3199.0	3230.9	3253.6
25°	3554.0	3554.0	3494.8	3513.0	3599.5	3604.0	3503.9	3367.4	3349.2	3362.8	3371.9
27.5°	3822.4	3836.1	3786.0	3804.2	3840.6	3872.5	3786.0	3672.3	3631.3	3626.8	3640.4
30°	4113.7	4141.0	4136.4	4213.8	4318.5	4336.7	4209.2	4022.7	3899.8	3877.1	3895.3
32.5°	4495.9	4509.6	4500.5	4591.5	4873.6	5005.6	4673.4	4409.5	4245.6	4286.6	4245.6
35°	5214.9	5201.3	5101.1	5119.3	5351.4	5447.0	5128.5	4960.1	4882.7	4964.6	4946.4
37.5°	5833.8	5783.7	5701.8	5820.1	6061.3	6147.8	5815.6	5519.8	5378.7	5515.2	5574.4
40°	6357.1	6229.7	6115.9	6234.2	6557.3	6675.6	6188.7	5947.5	5892.9	5993.1	6120.5
42.5°	6798.5	6716.6	6566.4	6575.5	6789.4	6844.0	6452.7	6311.6	6257.0	6416.3	6480.0
45°	7112.5	7035.1	6894.1	6885.0	7048.8	7012.4	6662.0	6566.4	6598.3	6702.9	6734.8
47.5°	7271.8	7312.7	7230.8	7253.5	7340.0	7253.5	6976.0	6976.0	6903.2	6966.9	6935.0
50°	7731.4	7603.9	7708.6	7708.6	7799.6	7808.7	7531.1	7431.0	7235.3	7126.1	7126.1
52.5°	8268.3	8277.4	8318.4	8468.5	8623.3	8755.2	8359.3	7931.6	7603.9	7462.9	7444.7
55°	8709.7	8800.7	8964.5	9246.7	9692.6	9874.7	9192.1	8427.6	8027.1	7808.7	7763.2
56°	8950.9	8864.4	9146.6	9533.4	10115.8	10352.5	9328.6	8527.7	8086.3	7840.6	7836.0
57.5°	8718.8	8814.4	9010.1	9619.8	10334.3	10643.7	9378.6	8482.2	7849.7	7599.4	7622.1
60°	6885.0	6976.0	7239.9	7922.5	9041.9	9283.1	7936.1	6994.2	6429.9	6070.4	6075.0
62.5°	3895.3	3963.5	4168.3	4800.8	5497.0	5729.1	4946.4	4318.5	3927.1	3726.9	3663.2
65°	1433.4	1406.1	1438.0	1761.1	2188.8	2384.5	2056.8	1738.3	1533.5	1460.7	1433.4
67.5°	537.0	496.0	464.2	496.0	623.4	659.8	605.2	505.1	473.3	486.9	496.0
70°	332.2	314.0	250.3	236.6	232.1	227.5	241.2	254.8	291.2	341.3	350.4
72.5°	232.1	218.4	177.5	168.4	159.3	154.7	177.5	195.7	227.5	263.9	268.5
75°	91.0	95.6	91.0	100.1	104.7	109.2	127.4	141.1	154.7	154.7	150.2
77.5°	18.2	18.2	27.3	36.4	45.5	59.2	86.5	100.1	104.7	100.1	86.5
80°	0.0	0.0	9.1	18.2	36.4	50.1	77.4	86.5	95.6	86.5	68.3
82.5°	0.0	0.0	9.1	22.8	36.4	45.5	72.8	91.0	104.7	95.6	72.8
85°	0.0	0.0	9.1	18.2	27.3	31.9	31.9	22.8	22.8	13.7	9.1
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)