

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: P532857

Luminaire Tested: **GALN-SA8B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27043.1 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

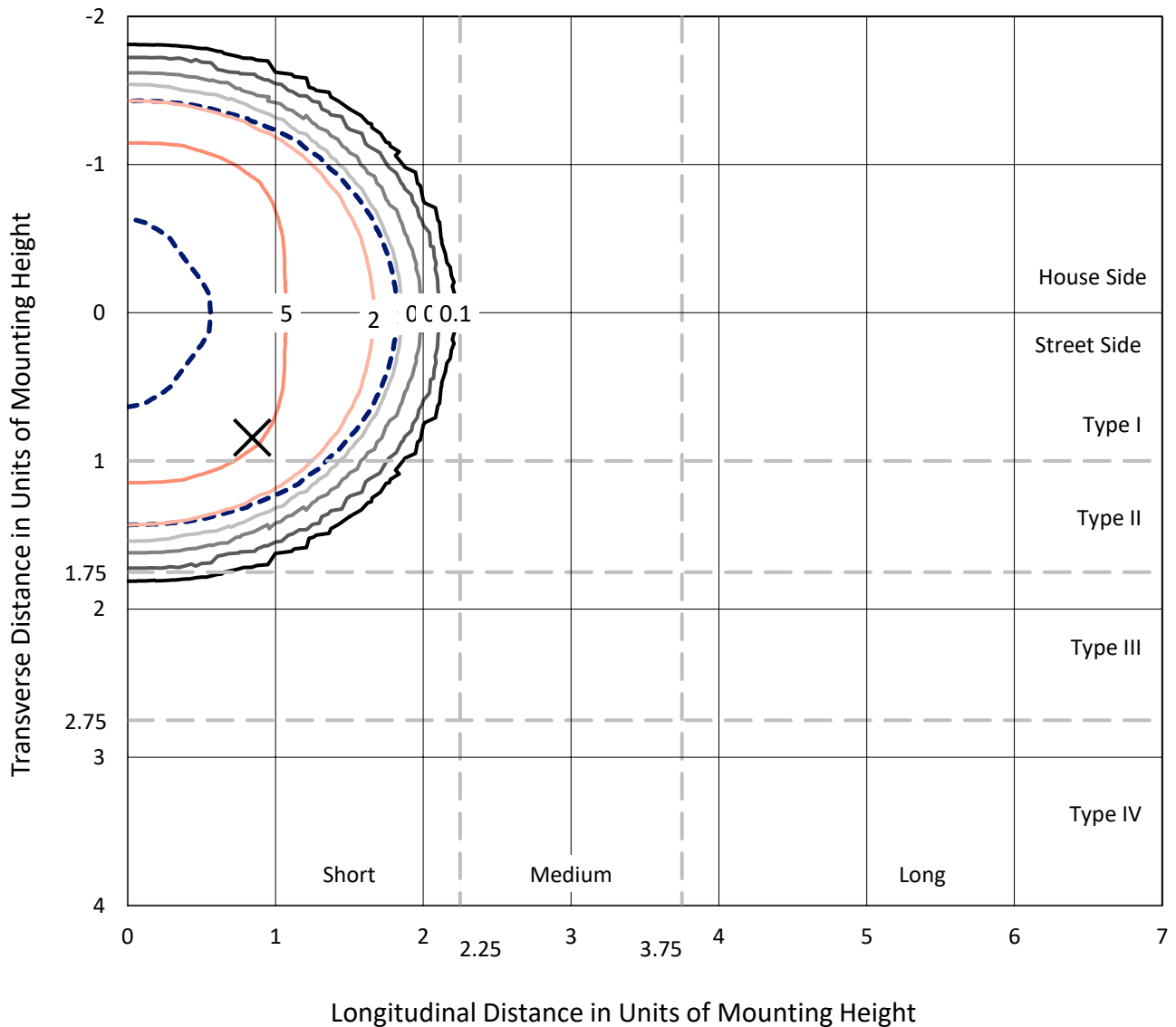
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

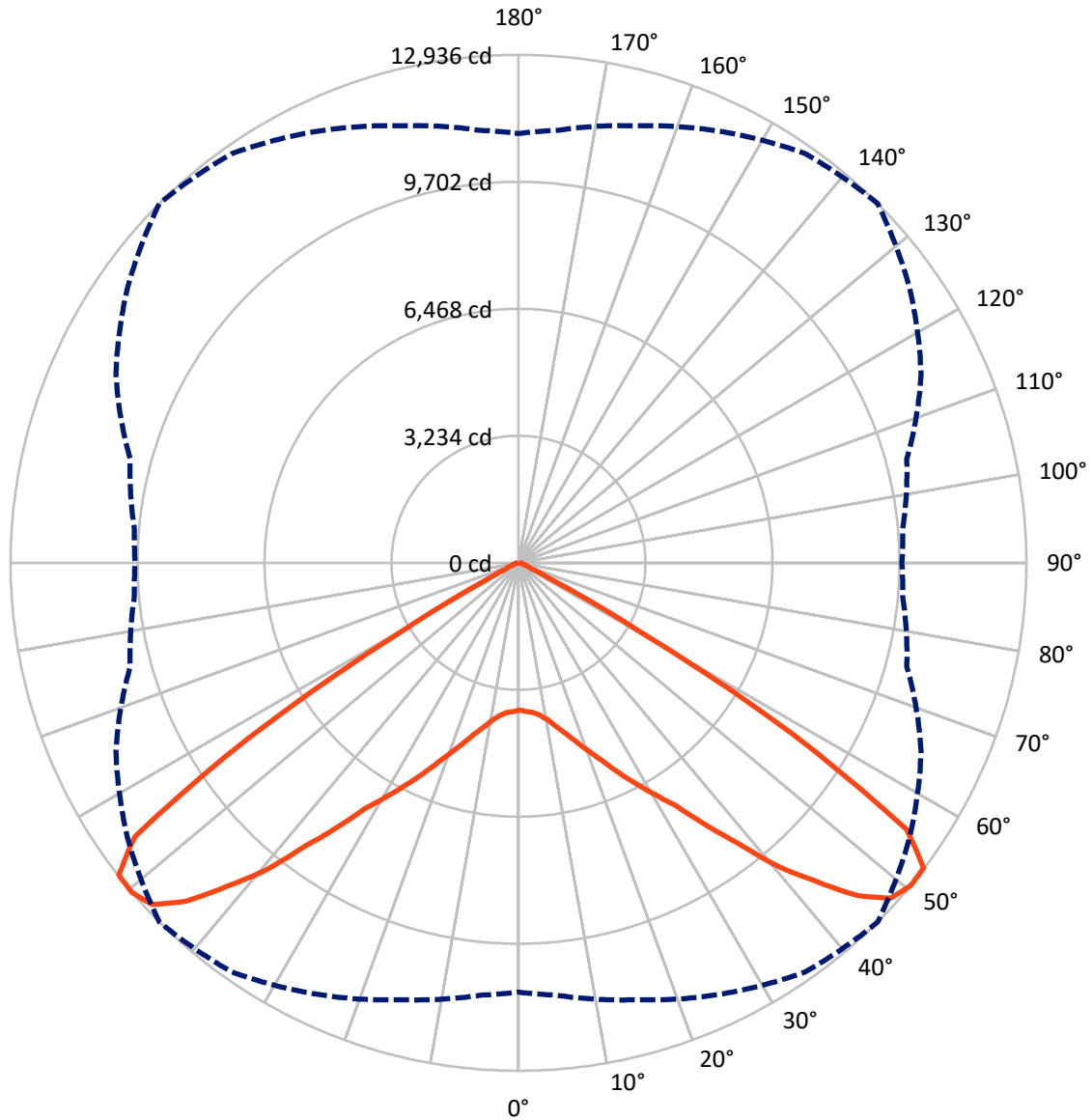
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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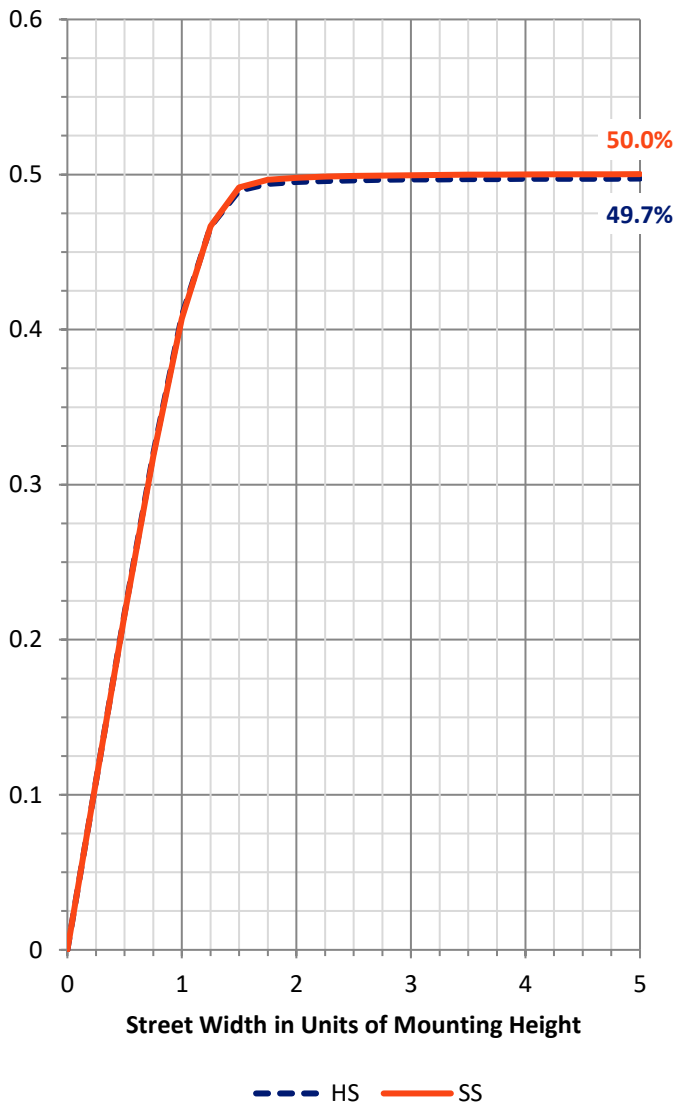
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13521.5	0.0	13521.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13521.5	0.0	13521.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27043.1	0.0	27043.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.0	1.4
10°-20°	1285.5	4.8
20°-30°	2625.6	9.7
30°-40°	5007.0	18.5
40°-50°	8437.5	31.2
50°-60°	8046.6	29.8
60°-70°	1123.3	4.2
70°-80°	107.5	0.4
80°-90°	37.1	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°	27043.1	100.0
0°-180°	27043.1	100.0

Coefficient of Utilization



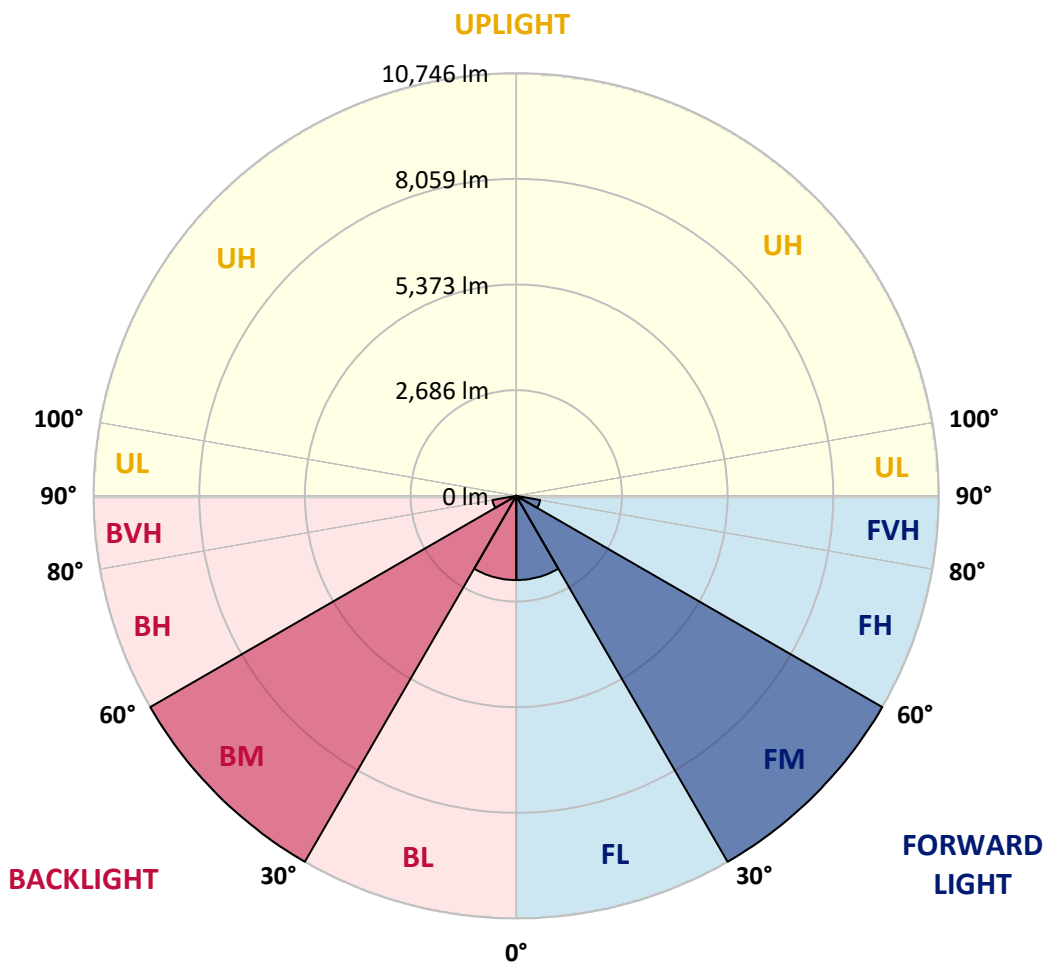
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2142.1	7.9			
FM (30°-60°)	10745.5	39.7			
FH (60°-80°)	615.4	2.3			G0/660
FVH (80°-90°)	18.6	0.1			G1/100
BL (0°-30°)	2142.1	7.9	B3/2500		
BM (30°-60°)	10745.5	39.7	B5		
BH (60°-80°)	615.4	2.3	B2/1000		G0/660
BVH (80°-90°)	18.6	0.1			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°	3749.2	3749.2	3749.2	3749.2	3749.2	3749.2	3749.2	3749.2	3749.2	3749.2	3749.2
2.5°	3735.6	3735.6	3731.0	3767.4	3749.2	3790.2	3785.6	3799.3	3812.9	3808.4	3844.8
5°	3703.7	3699.2	3699.2	3740.1	3781.1	3826.6	3867.5	3894.8	3940.3	3940.3	3985.8
7.5°	3735.6	3712.8	3744.7	3762.9	3840.2	3917.6	3985.8	4040.4	4145.1	4181.5	4167.8
10°	3744.7	3772.0	3794.7	3849.3	3944.9	4063.2	4122.3	4258.8	4377.1	4459.0	4477.2
12.5°	3803.8	3844.8	3908.5	4040.4	4126.9	4281.6	4363.5	4495.4	4659.2	4750.2	4813.9
15°	3917.6	3931.2	4013.1	4181.5	4368.0	4509.1	4636.5	4732.0	4891.3	4995.9	5000.5
17.5°	4063.2	4122.3	4236.1	4395.3	4591.0	4800.3	4900.4	5005.0	5064.2	5205.2	5237.1
20°	4354.4	4363.5	4472.7	4682.0	4927.7	5118.8	5191.6	5246.2	5223.4	5369.0	5396.3
22.5°	4627.4	4636.5	4773.0	5055.1	5319.0	5482.8	5514.6	5482.8	5414.5	5519.2	5528.3
25°	4904.9	4986.8	5086.9	5369.0	5696.6	5915.0	5919.6	5833.1	5692.1	5710.3	5755.8
27.5°	5337.2	5396.3	5501.0	5760.3	6119.8	6365.5	6324.5	6219.9	6037.9	6051.5	6037.9
30°	5842.2	5896.8	5983.3	6315.4	6579.3	6847.8	6906.9	6806.8	6533.8	6474.7	6542.9
32.5°	6451.9	6529.3	6688.5	6993.4	7216.3	7380.1	7421.1	7384.7	7129.9	7107.1	7152.6
35°	7193.6	7298.2	7443.8	7712.3	7894.3	8190.0	8190.0	8067.2	7835.1	7862.4	7857.9
37.5°	7976.2	8130.9	8358.4	8631.4	8877.1	9036.3	8986.3	8881.6	8649.6	8590.4	8649.6
40°	8959.0	9036.3	9323.0	9677.9	9978.2	10160.2	9946.3	9718.8	9163.7	9250.2	9409.4
42.5°	9855.3	9978.2	10196.6	10587.9	10929.1	11079.3	10824.5	10374.0	9705.2	9636.9	9755.2
45°	10619.7	10751.7	11038.3	11598.0	11957.4	12089.4	11525.2	10797.2	10032.8	9859.9	9909.9
47.5°	11129.3	11197.6	11598.0	12130.3	12457.9	12758.2	11948.3	11088.4	10187.5	9859.9	9841.7
50°	10933.7	11052.0	11520.6	12125.8	12721.8	12935.7	12162.2	11311.3	10237.5	9818.9	9764.3
52.5°	9709.7	9914.5	10437.7	11252.2	12153.1	12917.5	12457.9	11238.5	10219.3	9859.9	9941.8
55°	6756.8	6761.3	7398.3	8599.5	10192.0	11993.8	12025.7	11320.4	10337.6	10114.7	10119.2
57.5°	2716.4	2852.9	3339.7	4545.5	6015.1	8235.5	9791.6	10501.4	10351.3	10296.7	10437.7
60°	687.1	691.6	841.8	1283.1	2115.8	3530.8	5127.9	6938.8	7989.8	8349.3	8399.3
62.5°	350.4	354.9	391.3	455.0	577.9	946.4	1683.5	2670.9	3799.3	4372.6	4522.7
65°	286.7	286.7	309.4	341.3	345.8	364.0	436.8	623.4	905.5	1028.3	1042.0
67.5°	218.4	218.4	236.6	254.8	263.9	259.4	250.3	259.4	314.0	300.3	291.2
70°	136.5	141.1	150.2	168.4	177.5	182.0	186.6	195.7	223.0	232.1	223.0
72.5°	81.9	81.9	86.5	100.1	113.8	122.9	136.5	145.6	159.3	182.0	177.5
75°	36.4	36.4	45.5	59.2	72.8	86.5	100.1	113.8	122.9	136.5	141.1
77.5°	9.1	13.7	22.8	41.0	54.6	72.8	91.0	104.7	113.8	113.8	109.2
80°	4.6	4.6	18.2	31.9	59.2	77.4	100.1	109.2	122.9	113.8	100.1
82.5°	4.6	4.6	18.2	31.9	54.6	77.4	104.7	118.3	127.4	113.8	95.6
85°	0.0	4.6	13.7	27.3	45.5	54.6	45.5	31.9	18.2	18.2	13.7
87.5°	0.0	0.0	4.6	4.6	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)