

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: P530569

Luminaire Tested: **GALN-SA5D-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530569
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-SA5D-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1200mA 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: 25036 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

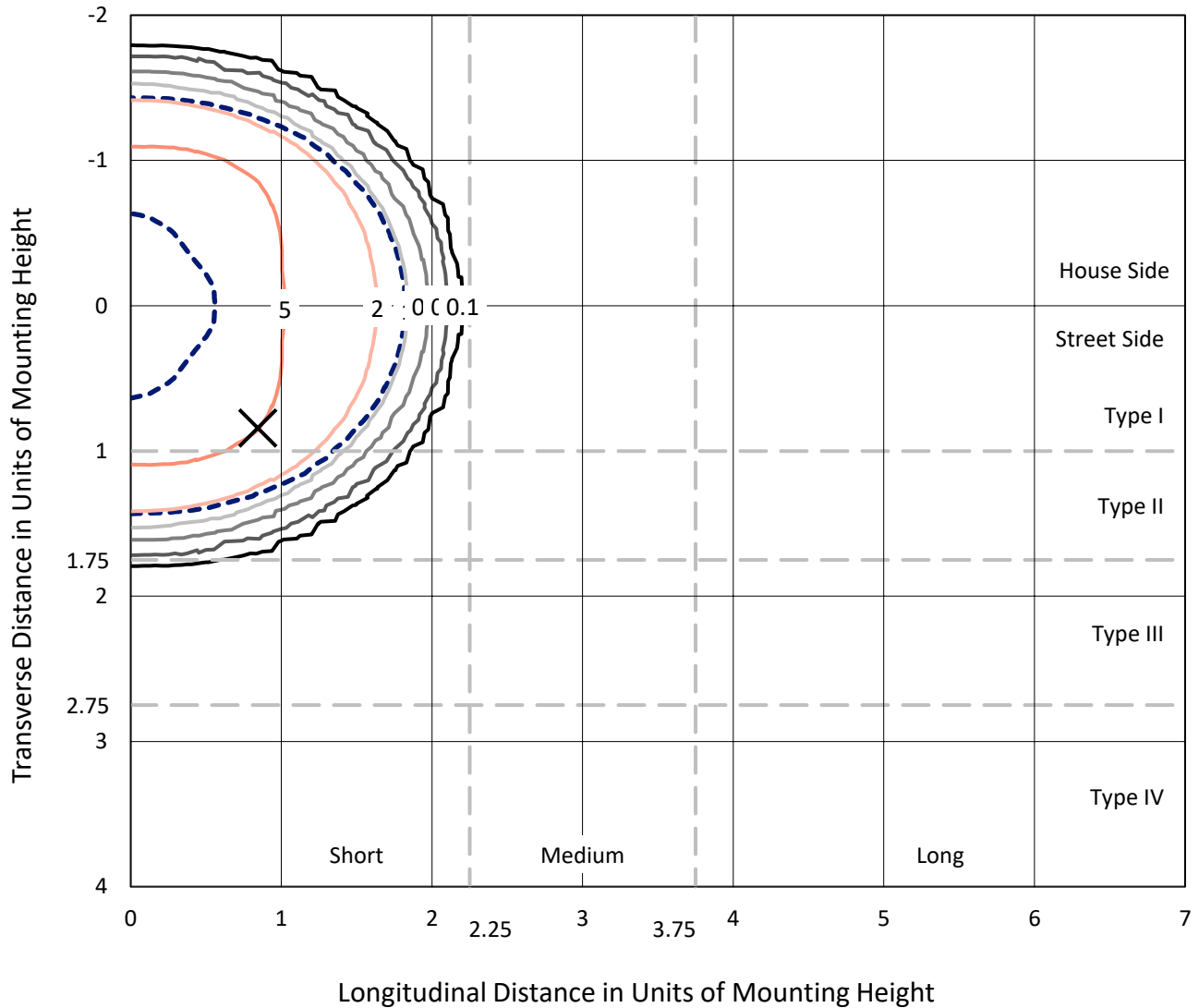
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

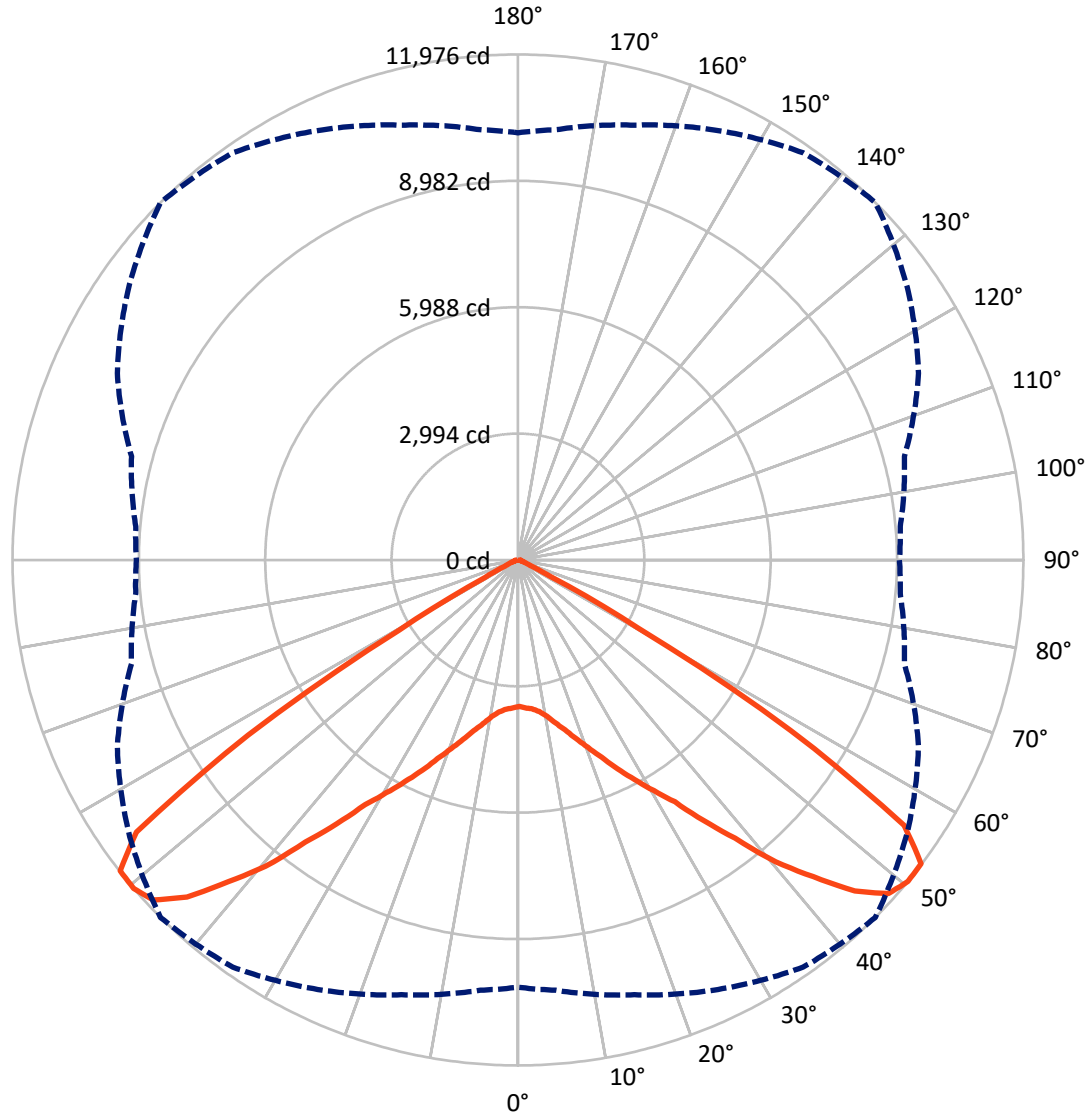
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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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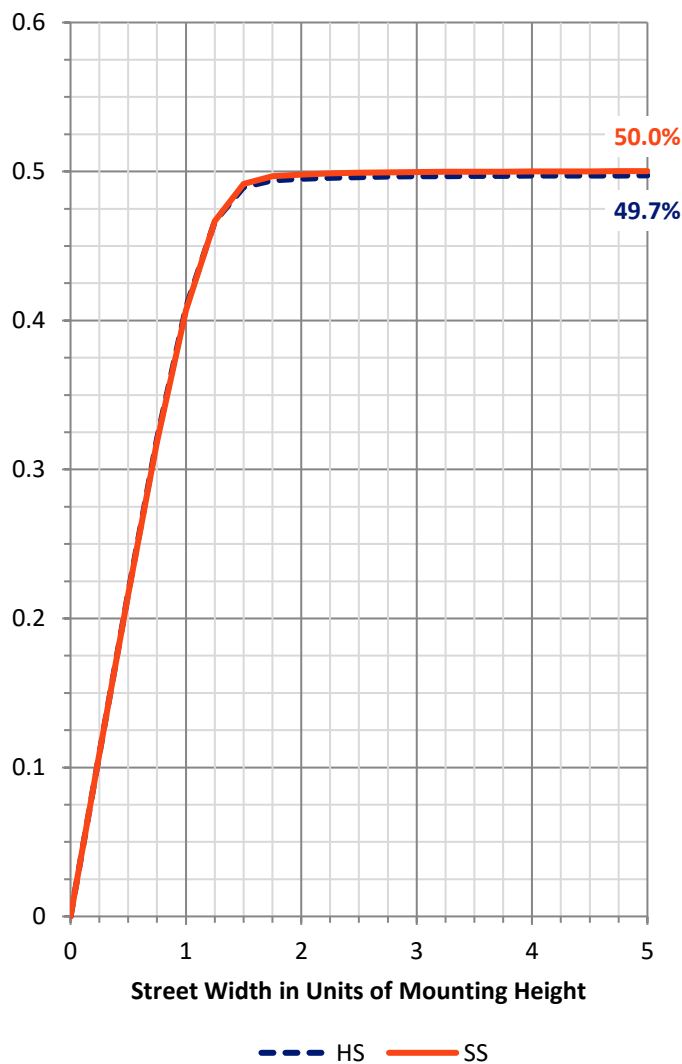
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12518.0	0.0	12518.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12518.0	0.0	12518.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25036.0	0.0	25036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.3	1.4
10°-20°	1190.1	4.8
20°-30°	2430.7	9.7
30°-40°	4635.4	18.5
40°-50°	7811.3	31.2
50°-60°	7449.5	29.8
60°-70°	1039.9	4.2
70°-80°	99.4	0.4
80°-90°	34.4	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°	25036.0	100.0
0°-180°	25036.0	100.0

Coefficient of Utilization



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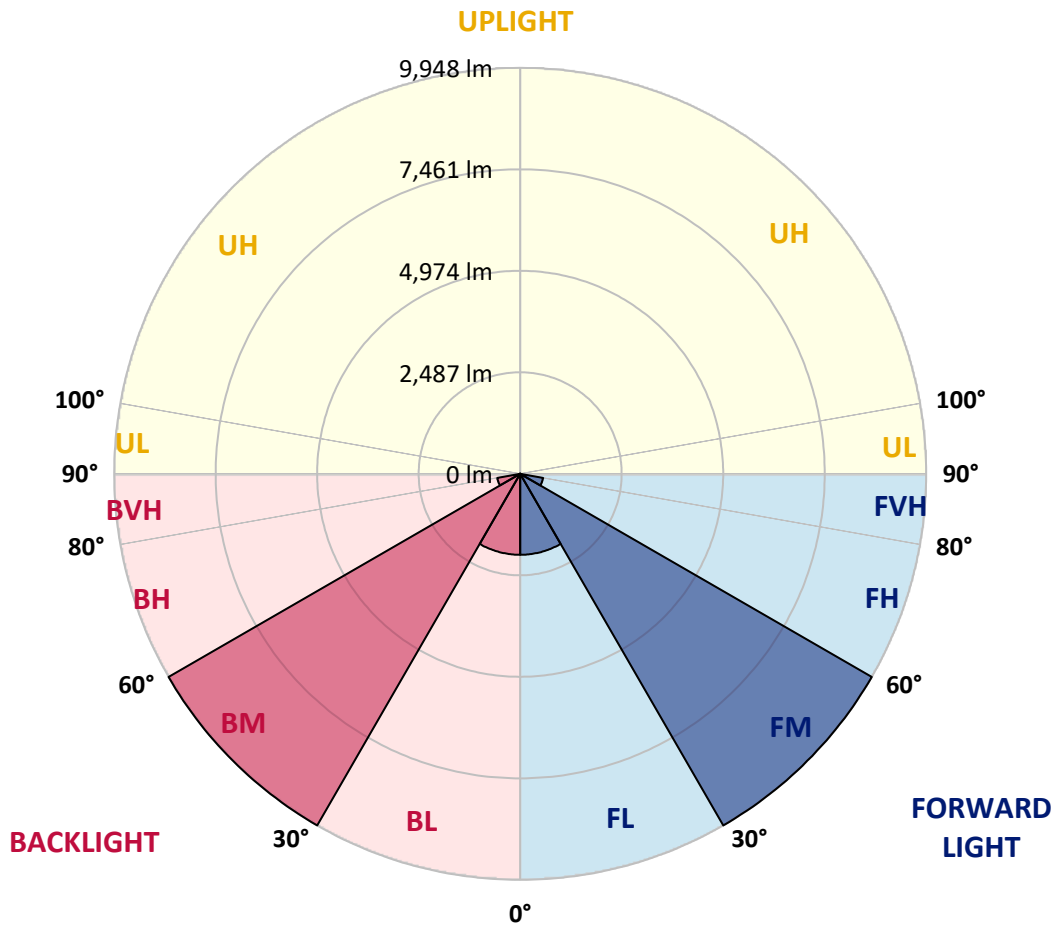
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1983.1	7.9			
FM (30°-60°)	9948.1	39.7			
FH (60°-80°)	569.7	2.3			G0/660
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	1983.1	7.9	B3/2500		
BM (30°-60°)	9948.1	39.7	B5		
BH (60°-80°)	569.7	2.3	B2/1000		G0/660
BVH (80°-90°)	17.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3458.3	3458.3	3454.1	3487.8	3471.0	3508.9	3504.7	3517.3	3529.9	3525.7	3559.4
5°	3428.8	3424.6	3424.6	3462.5	3500.5	3542.6	3580.5	3605.8	3647.9	3647.9	3690.0
7.5°	3458.3	3437.3	3466.8	3483.6	3555.2	3626.8	3690.0	3740.6	3837.4	3871.1	3858.5
10°	3466.8	3492.0	3513.1	3563.6	3652.1	3761.6	3816.4	3942.7	4052.3	4128.1	4144.9
12.5°	3521.5	3559.4	3618.4	3740.6	3820.6	3963.8	4039.6	4161.8	4313.4	4397.7	4456.7
15°	3626.8	3639.5	3715.3	3871.1	4043.8	4174.4	4292.4	4380.8	4528.3	4625.1	4629.4
17.5°	3761.6	3816.4	3921.7	4069.1	4250.2	4444.0	4536.7	4633.6	4688.3	4818.9	4848.4
20°	4031.2	4039.6	4140.7	4334.5	4562.0	4738.9	4806.3	4856.8	4835.8	4970.6	4995.8
22.5°	4283.9	4292.4	4418.7	4679.9	4924.2	5075.9	5105.4	5075.9	5012.7	5109.6	5118.0
25°	4540.9	4616.7	4709.4	4970.6	5273.8	5476.0	5480.3	5400.2	5269.6	5286.5	5328.6
27.5°	4941.1	4995.8	5092.7	5332.8	5665.6	5893.1	5855.1	5758.3	5589.8	5602.4	5589.8
30°	5408.6	5459.2	5539.2	5846.7	6091.0	6339.6	6394.3	6301.7	6048.9	5994.2	6057.3
32.5°	5973.1	6044.7	6192.1	6474.4	6680.8	6832.4	6870.3	6836.6	6600.7	6579.7	6621.8
35°	6659.7	6756.6	6891.4	7139.9	7308.4	7582.2	7582.2	7468.5	7253.6	7278.9	7274.7
37.5°	7384.2	7527.4	7738.1	7990.8	8218.3	8365.7	8319.4	8222.5	8007.7	7952.9	8007.7
40°	8294.1	8365.7	8631.1	8959.6	9237.7	9406.1	9208.2	8997.6	8483.6	8563.7	8711.1
42.5°	9123.9	9237.7	9439.8	9802.1	10118.0	10257.0	10021.2	9604.1	8984.9	8921.7	9031.3
45°	9831.6	9953.8	10219.1	10737.2	11070.0	11192.2	10669.9	9995.9	9288.2	9128.1	9174.5
47.5°	10303.4	10366.6	10737.2	11230.1	11533.4	11811.4	11061.6	10265.5	9431.4	9128.1	9111.3
50°	10122.2	10231.8	10665.6	11225.9	11777.7	11975.7	11259.6	10471.9	9477.8	9090.2	9039.7
52.5°	8989.1	9178.7	9663.1	10417.1	11251.2	11958.8	11533.4	10404.5	9460.9	9128.1	9204.0
55°	6255.3	6259.5	6849.3	7961.3	9435.6	11103.7	11133.2	10480.3	9570.4	9364.0	9368.2
57.5°	2514.8	2641.1	3091.9	4208.1	5568.7	7624.3	9064.9	9722.1	9583.1	9532.5	9663.1
60°	636.1	640.3	779.3	1187.9	1958.7	3268.8	4747.3	6423.8	7396.9	7729.6	7776.0
62.5°	324.3	328.6	362.3	421.2	535.0	876.2	1558.6	2472.6	3517.3	4048.1	4187.1
65°	265.4	265.4	286.4	315.9	320.1	337.0	404.4	577.1	838.3	952.0	964.6
67.5°	202.2	202.2	219.0	235.9	244.3	240.1	231.7	240.1	290.7	278.0	269.6
70°	126.4	130.6	139.0	155.9	164.3	168.5	172.7	181.1	206.4	214.8	206.4
72.5°	75.8	75.8	80.0	92.7	105.3	113.7	126.4	134.8	147.4	168.5	164.3
75°	33.7	33.7	42.1	54.8	67.4	80.0	92.7	105.3	113.7	126.4	130.6
77.5°	8.4	12.6	21.1	37.9	50.5	67.4	84.2	96.9	105.3	105.3	101.1
80°	4.2	4.2	16.8	29.5	54.8	71.6	92.7	101.1	113.7	105.3	92.7
82.5°	4.2	4.2	16.8	29.5	50.5	71.6	96.9	109.5	117.9	105.3	88.5
85°	0.0	4.2	12.6	25.3	42.1	50.5	42.1	29.5	16.8	16.8	12.6
87.5°	0.0	0.0	4.2	4.2	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)