

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: P528750

Luminaire Tested: **GALN-SA3D-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20235 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

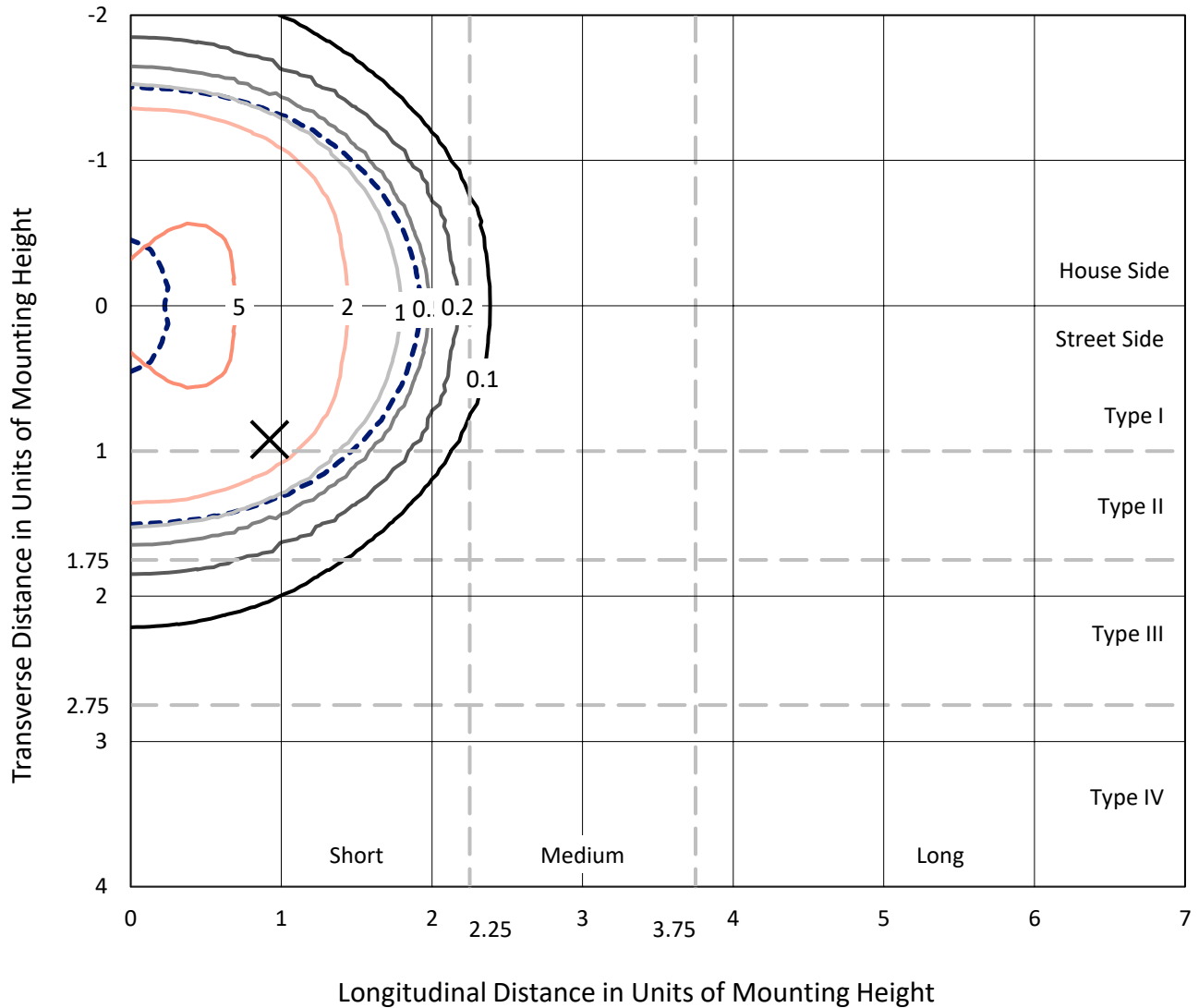
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

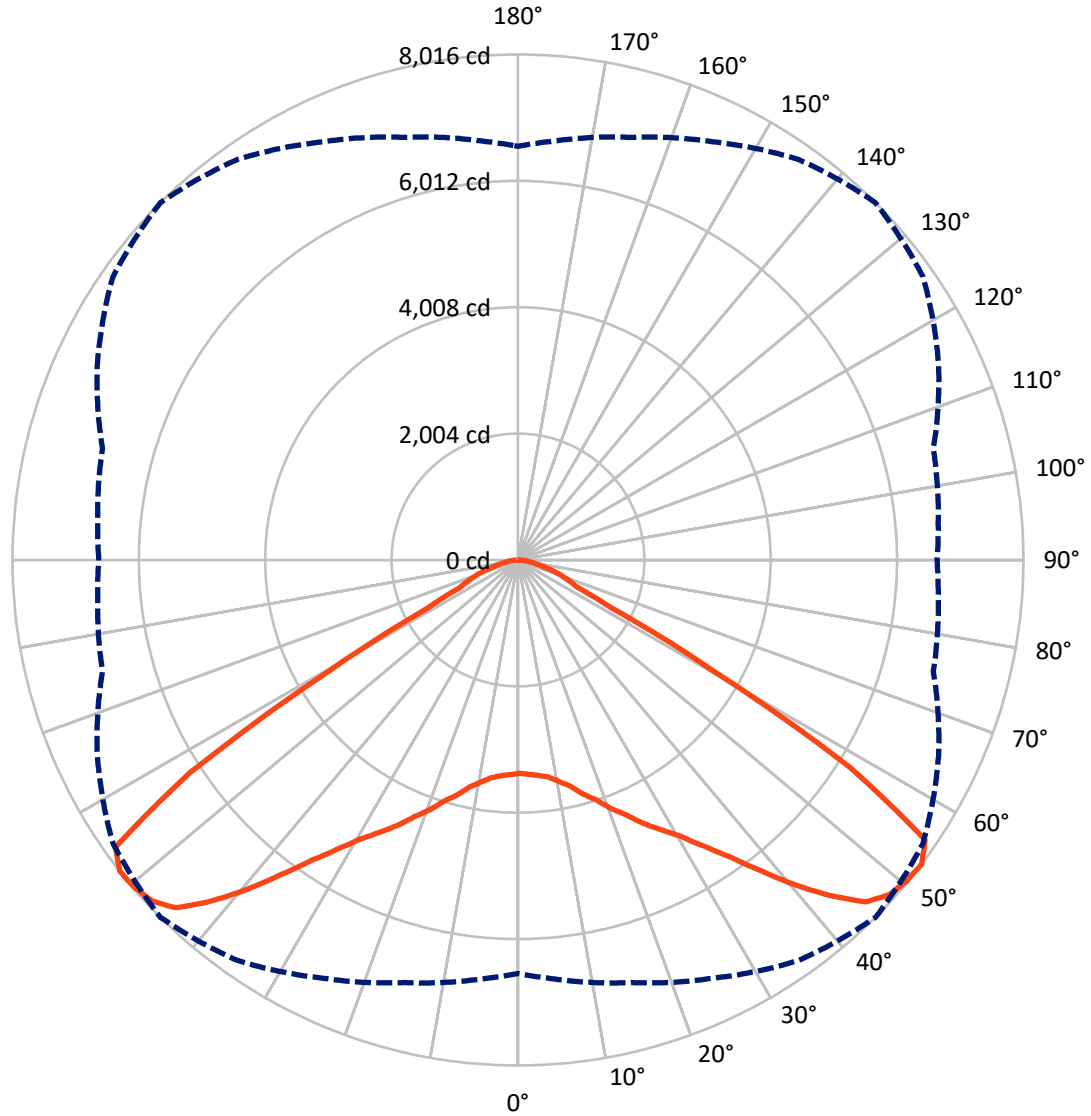
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10117.5	0.0	10117.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10117.5	0.0	10117.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20235.0	0.0	20235.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.3	1.6
10°-20°	1092.0	5.4
20°-30°	2079.0	10.3
30°-40°	3569.8	17.6
40°-50°	5486.9	27.1
50°-60°	5571.8	27.5
60°-70°	1552.8	7.7
70°-80°	458.1	2.3
80°-90°	92.3	0.5
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°	20235.0	100.0
0°-180°	20235.0	100.0



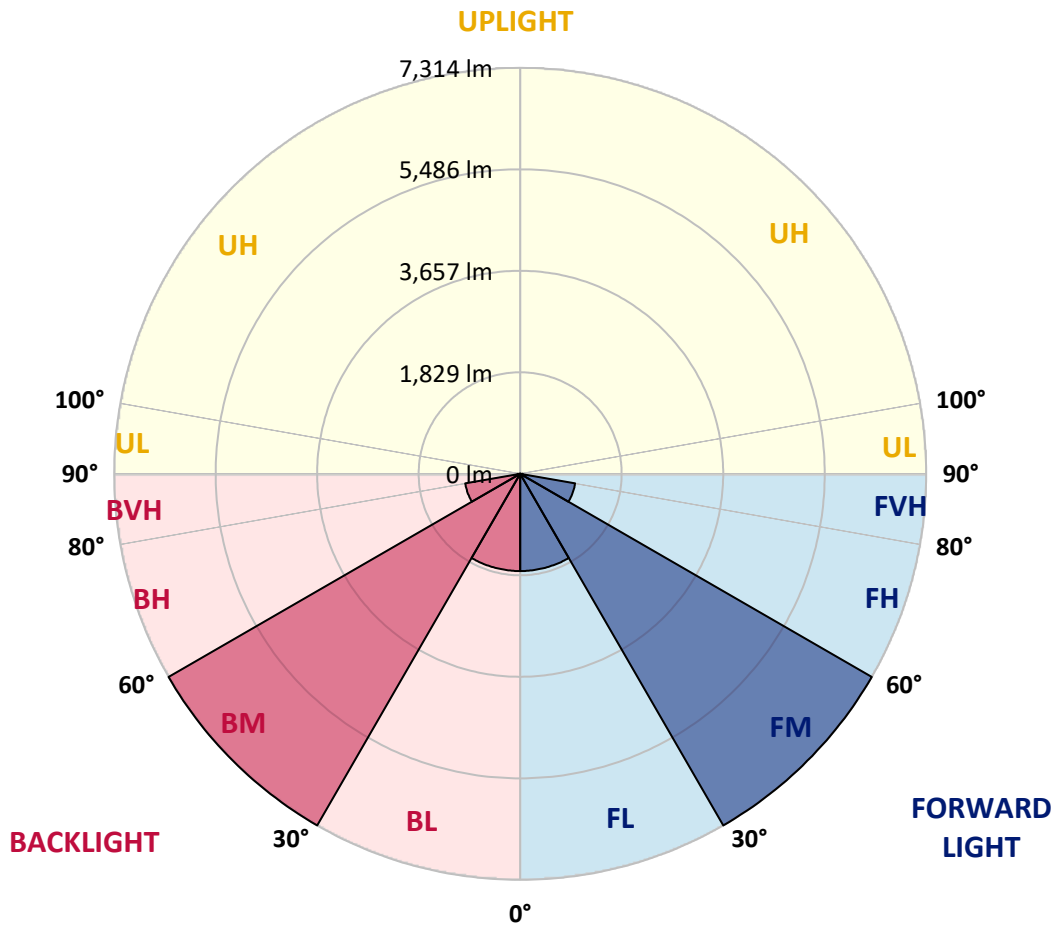
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1751.7	8.7			
FM (30°-60°)	7314.3	36.1			
FH (60°-80°)	1005.4	5.0			G1/1800
FVH (80°-90°)	46.1	0.2			G1/100
BL (0°-30°)	1751.7	8.7	B3/2500		
BM (30°-60°)	7314.3	36.1	B4/8500		
BH (60°-80°)	1005.4	5.0	B3/2500		G1/1800
BVH (80°-90°)	46.1	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°	3382.5	3382.5	3382.5	3382.5	3382.5	3382.5	3382.5	3382.5	3382.5	3382.5	3382.5
2.5°	3390.1	3354.9	3367.5	3375.0	3407.7	3405.1	3397.6	3407.7	3417.7	3420.2	3415.2
5°	3387.6	3362.5	3372.5	3380.0	3412.7	3430.3	3425.2	3467.9	3498.1	3490.5	3528.2
7.5°	3367.5	3382.5	3370.0	3407.7	3435.3	3478.0	3523.2	3563.4	3601.0	3643.7	3651.2
10°	3412.7	3412.7	3435.3	3465.4	3538.2	3570.9	3636.2	3693.9	3766.8	3817.0	3796.9
12.5°	3460.4	3467.9	3467.9	3545.8	3606.0	3678.9	3739.1	3817.0	3919.9	3980.2	4010.3
15°	3508.1	3513.1	3538.2	3643.7	3734.1	3849.6	3904.9	3975.2	4032.9	4145.9	4148.5
17.5°	3550.8	3578.4	3653.8	3771.8	3884.8	3995.3	4083.2	4156.0	4206.2	4251.4	4241.4
20°	3711.5	3731.6	3809.4	3927.5	4095.7	4203.7	4233.8	4246.4	4279.0	4369.4	4341.8
22.5°	3867.2	3874.7	3947.6	4128.4	4246.4	4389.5	4422.2	4414.6	4427.2	4449.8	4490.0
25°	4027.9	4040.5	4140.9	4294.1	4459.8	4630.6	4658.2	4600.5	4582.9	4608.0	4610.5
27.5°	4233.8	4236.3	4364.4	4497.5	4685.8	4846.6	4889.2	4844.0	4761.2	4781.3	4813.9
30°	4495.0	4477.4	4605.5	4796.3	4994.7	5085.1	5157.9	5135.3	5044.9	5027.4	4999.7
32.5°	4796.3	4801.4	4916.9	5125.3	5255.9	5406.6	5484.4	5446.7	5389.0	5358.8	5376.4
35°	5220.7	5243.3	5321.2	5494.4	5705.4	5780.7	5903.8	5823.4	5672.7	5710.4	5743.0
37.5°	5569.8	5635.1	5780.7	5986.6	6112.2	6250.3	6295.5	6187.5	6077.0	6031.8	6139.8
40°	6104.7	6084.6	6245.3	6451.2	6637.0	6775.1	6717.4	6609.4	6335.7	6338.2	6368.3
42.5°	6564.2	6574.2	6697.3	6943.4	7197.0	7282.4	7099.1	6835.4	6531.6	6498.9	6564.2
45°	6950.9	6991.1	7061.4	7390.4	7639.0	7731.9	7392.9	7081.5	6674.7	6539.1	6647.1
47.5°	7089.0	7154.3	7307.5	7608.8	7854.9	7930.3	7659.1	7212.1	6807.8	6586.8	6644.6
50°	7109.1	7086.5	7337.6	7613.9	7829.8	7993.1	7754.5	7307.5	6775.1	6659.6	6642.0
52.5°	6559.2	6669.7	6938.4	7317.6	7754.5	8015.7	7839.9	7360.2	6820.3	6689.8	6647.1
55°	5308.6	5178.0	5667.7	6305.5	7109.1	7834.9	7809.7	7387.9	6848.0	6740.0	6682.2
57.5°	2963.2	3000.8	3277.1	3970.2	5007.3	6212.6	6943.4	7096.6	6835.4	6772.6	6802.8
60°	1371.1	1383.7	1501.7	1825.6	2468.5	3523.2	4485.0	5461.8	5911.3	6001.7	6001.7
62.5°	1022.0	1017.0	1047.2	1104.9	1240.5	1619.7	2162.1	2938.1	3555.8	3987.7	4100.7
65°	924.1	921.6	936.7	956.8	966.8	1019.5	1140.1	1378.6	1579.5	1695.0	1675.0
67.5°	808.6	806.1	811.1	823.7	841.2	868.9	899.0	949.2	1019.5	1014.5	1002.0
70°	652.9	652.9	660.4	670.5	690.6	723.2	758.4	793.5	853.8	866.4	863.8
72.5°	482.1	474.6	489.7	509.8	529.9	570.0	607.7	640.3	683.0	695.6	690.6
75°	306.4	311.4	321.4	344.0	379.2	406.8	447.0	474.6	502.2	512.3	514.8
77.5°	170.8	175.8	193.4	221.0	256.1	286.3	321.4	344.0	361.6	364.1	366.6
80°	103.0	105.5	123.0	148.2	178.3	210.9	238.6	261.2	276.2	268.7	266.2
82.5°	62.8	65.3	80.4	103.0	128.1	153.2	183.3	203.4	218.5	208.4	198.4
85°	32.6	35.2	47.7	62.8	82.9	95.4	95.4	85.4	82.9	77.8	75.3
87.5°	10.0	10.0	12.6	15.1	12.6	15.1	17.6	20.1	20.1	22.6	20.1
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)