

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: P528672

Luminaire Tested: **GALN-SA3D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528672
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-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 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: 18850 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

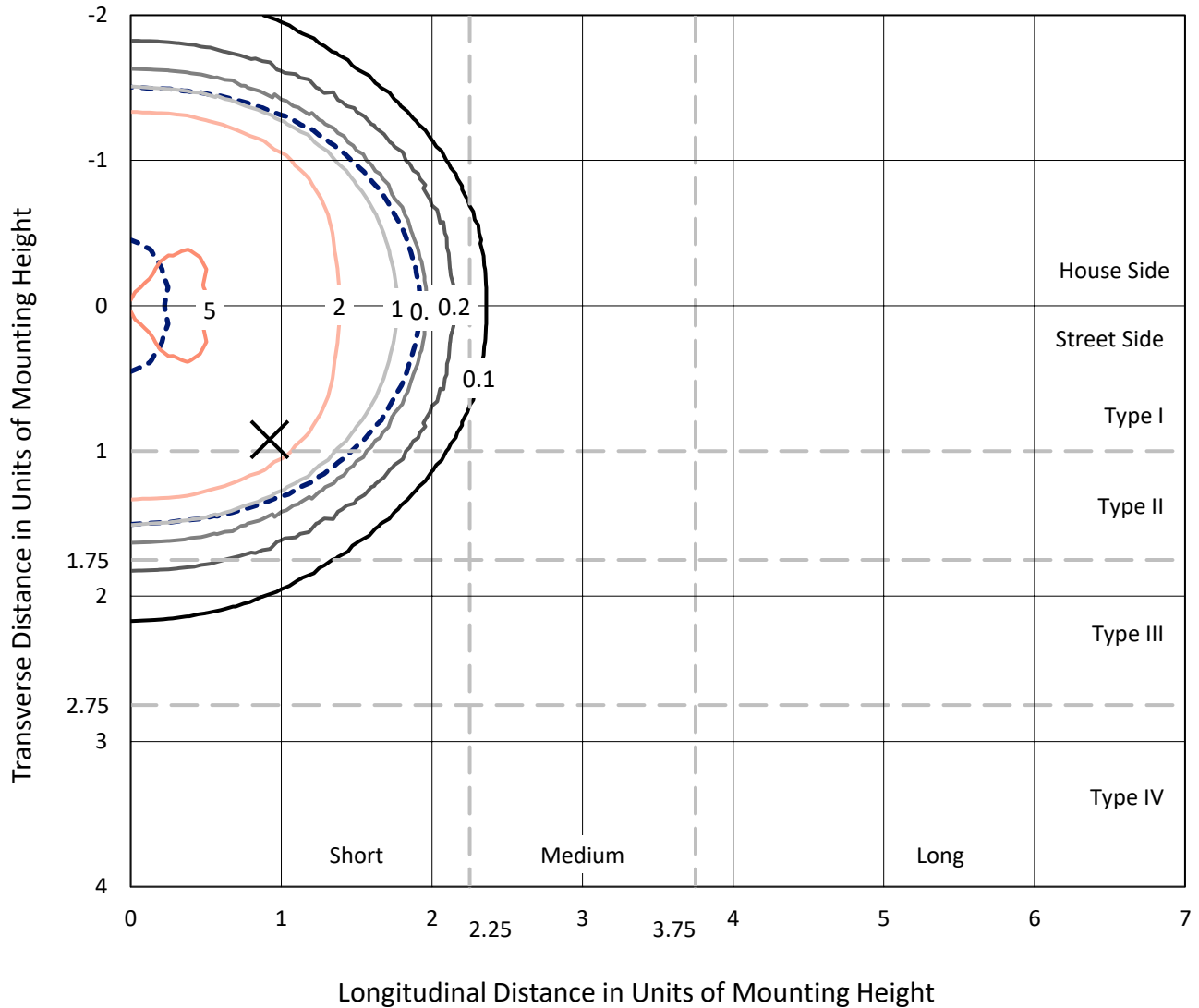
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

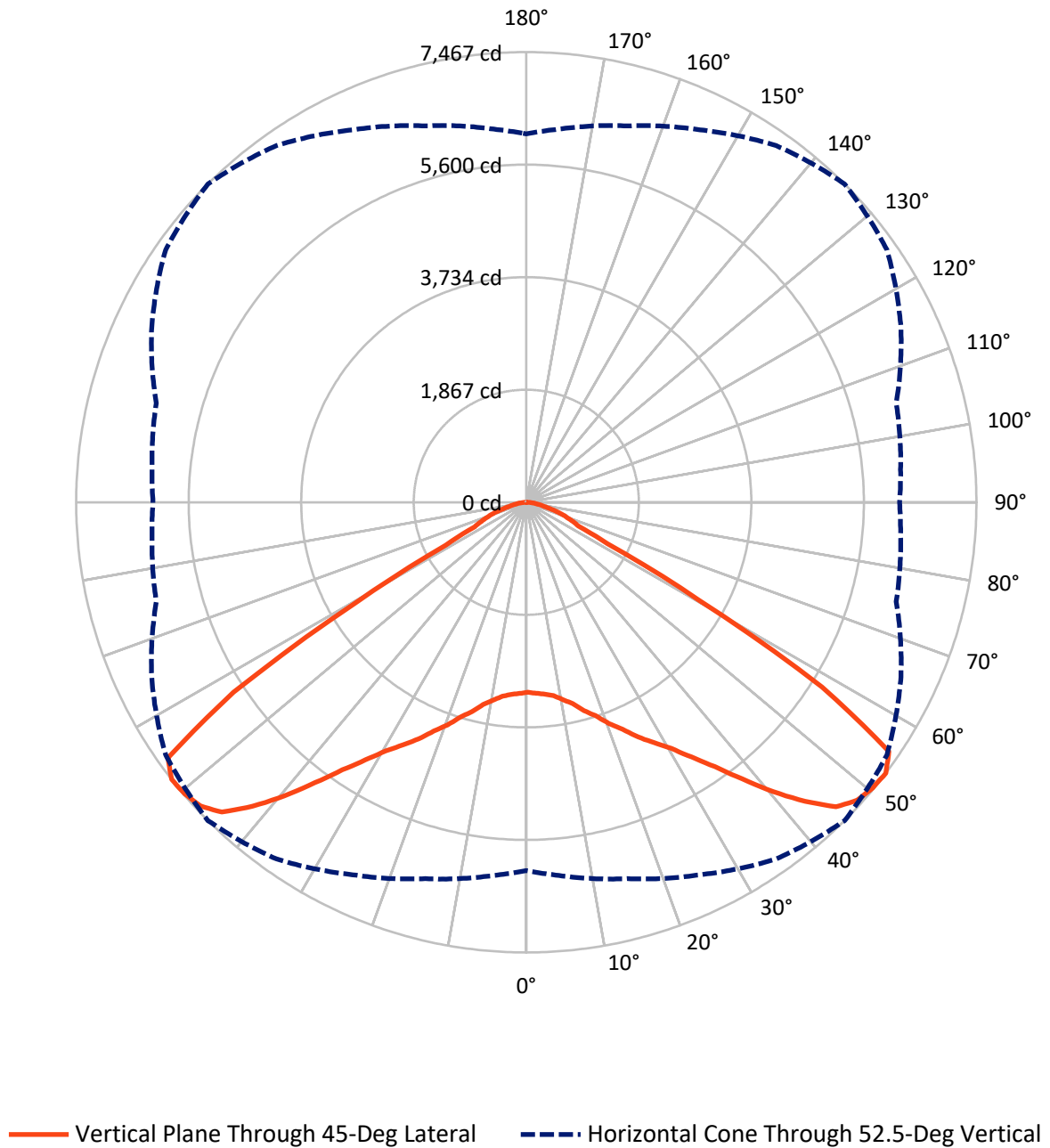
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9425.0	0.0	9425.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9425.0	0.0	9425.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18850.0	0.0	18850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.6	1.6
10°-20°	1017.3	5.4
20°-30°	1936.7	10.3
30°-40°	3325.5	17.6
40°-50°	5111.3	27.1
50°-60°	5190.5	27.5
60°-70°	1446.5	7.7
70°-80°	426.7	2.3
80°-90°	85.9	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°	18850.0	100.0
0°-180°	18850.0	100.0

Coefficient of Utilization



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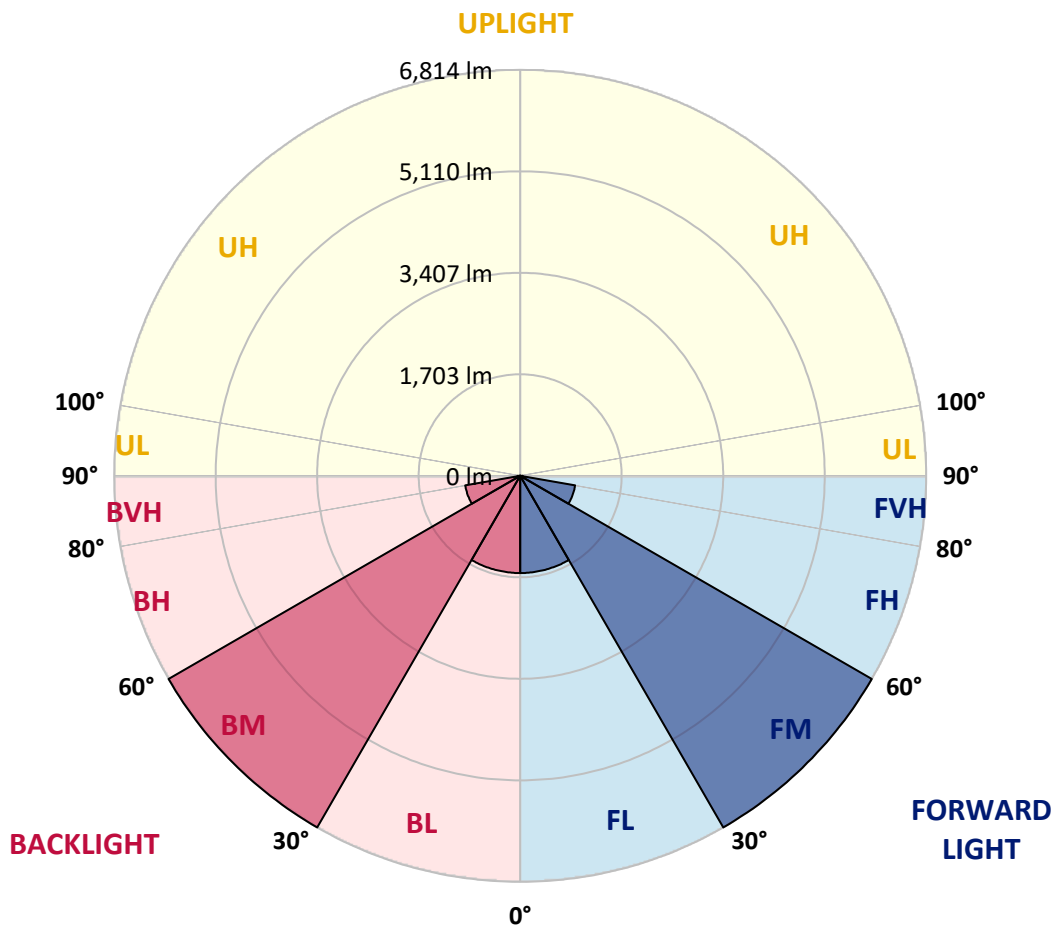
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1631.8	8.7			
FM (30°-60°)	6813.6	36.1			
FH (60°-80°)	936.6	5.0			G1/1800
FVH (80°-90°)	43.0	0.2			G1/100
BL (0°-30°)	1631.8	8.7	B3/2500		
BM (30°-60°)	6813.6	36.1	B4/8500		
BH (60°-80°)	936.6	5.0	B2/1000		G1/1800
BVH (80°-90°)	43.0	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°	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0	3151.0
2.5°	3158.0	3125.3	3137.0	3144.0	3174.4	3172.1	3165.1	3174.4	3183.8	3186.1	3181.4
5°	3155.7	3132.3	3141.7	3148.7	3179.1	3195.5	3190.8	3230.6	3258.6	3251.6	3286.7
7.5°	3137.0	3151.0	3139.3	3174.4	3200.2	3239.9	3282.0	3319.5	3354.5	3394.3	3401.3
10°	3179.1	3179.1	3200.2	3228.2	3296.1	3326.5	3387.3	3441.1	3508.9	3555.7	3537.0
12.5°	3223.5	3230.6	3230.6	3303.1	3359.2	3427.1	3483.2	3555.7	3651.6	3707.8	3735.8
15°	3268.0	3272.7	3296.1	3394.3	3478.5	3586.1	3637.6	3703.1	3756.9	3862.2	3864.5
17.5°	3307.8	3333.5	3403.7	3513.6	3618.9	3721.8	3803.7	3871.5	3918.3	3960.4	3951.1
20°	3457.5	3476.2	3548.7	3658.7	3815.4	3916.0	3944.0	3955.7	3986.2	4070.4	4044.6
22.5°	3602.5	3609.5	3677.4	3845.8	3955.7	4089.1	4119.5	4112.5	4124.2	4145.2	4182.7
25°	3752.2	3763.9	3857.5	4000.2	4154.6	4313.7	4339.4	4285.6	4269.2	4292.6	4294.9
27.5°	3944.0	3946.4	4065.7	4189.7	4365.1	4514.8	4554.6	4512.5	4435.3	4454.0	4484.4
30°	4187.3	4171.0	4290.3	4468.0	4652.9	4737.1	4804.9	4783.9	4699.6	4683.3	4657.5
32.5°	4468.0	4472.7	4580.3	4774.5	4896.1	5036.5	5109.0	5073.9	5020.1	4992.0	5008.4
35°	4863.4	4884.4	4957.0	5118.4	5314.9	5385.0	5499.7	5424.8	5284.5	5319.5	5350.0
37.5°	5188.5	5249.4	5385.0	5576.9	5693.8	5822.5	5864.6	5764.0	5661.1	5619.0	5719.6
40°	5686.8	5668.1	5817.8	6009.6	6182.7	6311.4	6257.6	6157.0	5902.0	5904.4	5932.4
42.5°	6114.9	6124.3	6238.9	6468.1	6704.4	6783.9	6613.2	6367.6	6084.5	6054.1	6114.9
45°	6475.2	6512.6	6578.1	6884.5	7116.1	7202.7	6886.9	6596.8	6217.8	6091.5	6192.1
47.5°	6603.8	6664.6	6807.3	7088.1	7317.3	7387.5	7134.8	6718.4	6341.8	6136.0	6189.8
50°	6622.5	6601.5	6835.4	7092.7	7293.9	7446.0	7223.7	6807.3	6311.4	6203.8	6187.4
52.5°	6110.2	6213.2	6463.5	6816.7	7223.7	7467.0	7303.3	6856.5	6353.5	6231.9	6192.1
55°	4945.3	4823.6	5279.8	5874.0	6622.5	7298.6	7275.2	6882.2	6379.2	6278.7	6224.9
57.5°	2760.4	2795.5	3052.8	3698.4	4664.5	5787.4	6468.1	6610.8	6367.6	6309.1	6337.1
60°	1277.3	1288.9	1398.9	1700.7	2299.5	3282.0	4178.0	5088.0	5506.7	5590.9	5590.9
62.5°	952.1	947.4	975.5	1029.3	1155.6	1508.8	2014.1	2737.0	3312.4	3714.8	3820.1
65°	860.9	858.5	872.6	891.3	900.6	949.8	1062.0	1284.3	1471.4	1579.0	1560.3
67.5°	753.3	750.9	755.6	767.3	783.7	809.4	837.5	884.3	949.8	945.1	933.4
70°	608.2	608.2	615.2	624.6	643.3	673.7	706.5	739.2	795.4	807.1	804.7
72.5°	449.1	442.1	456.2	474.9	493.6	531.0	566.1	596.5	636.3	648.0	643.3
75°	285.4	290.1	299.4	320.5	353.2	379.0	416.4	442.1	467.9	477.2	479.6
77.5°	159.1	163.8	180.1	205.9	238.6	266.7	299.4	320.5	336.9	339.2	341.5
80°	95.9	98.3	114.6	138.0	166.1	196.5	222.2	243.3	257.3	250.3	248.0
82.5°	58.5	60.8	74.9	95.9	119.3	142.7	170.8	189.5	203.5	194.2	184.8
85°	30.4	32.8	44.4	58.5	77.2	88.9	88.9	79.5	77.2	72.5	70.2
87.5°	9.4	9.4	11.7	14.0	11.7	14.0	16.4	18.7	18.7	21.1	18.7
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)