

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: P647488

Luminaire Tested: **GALN-SA6D-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37058.6 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 368
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

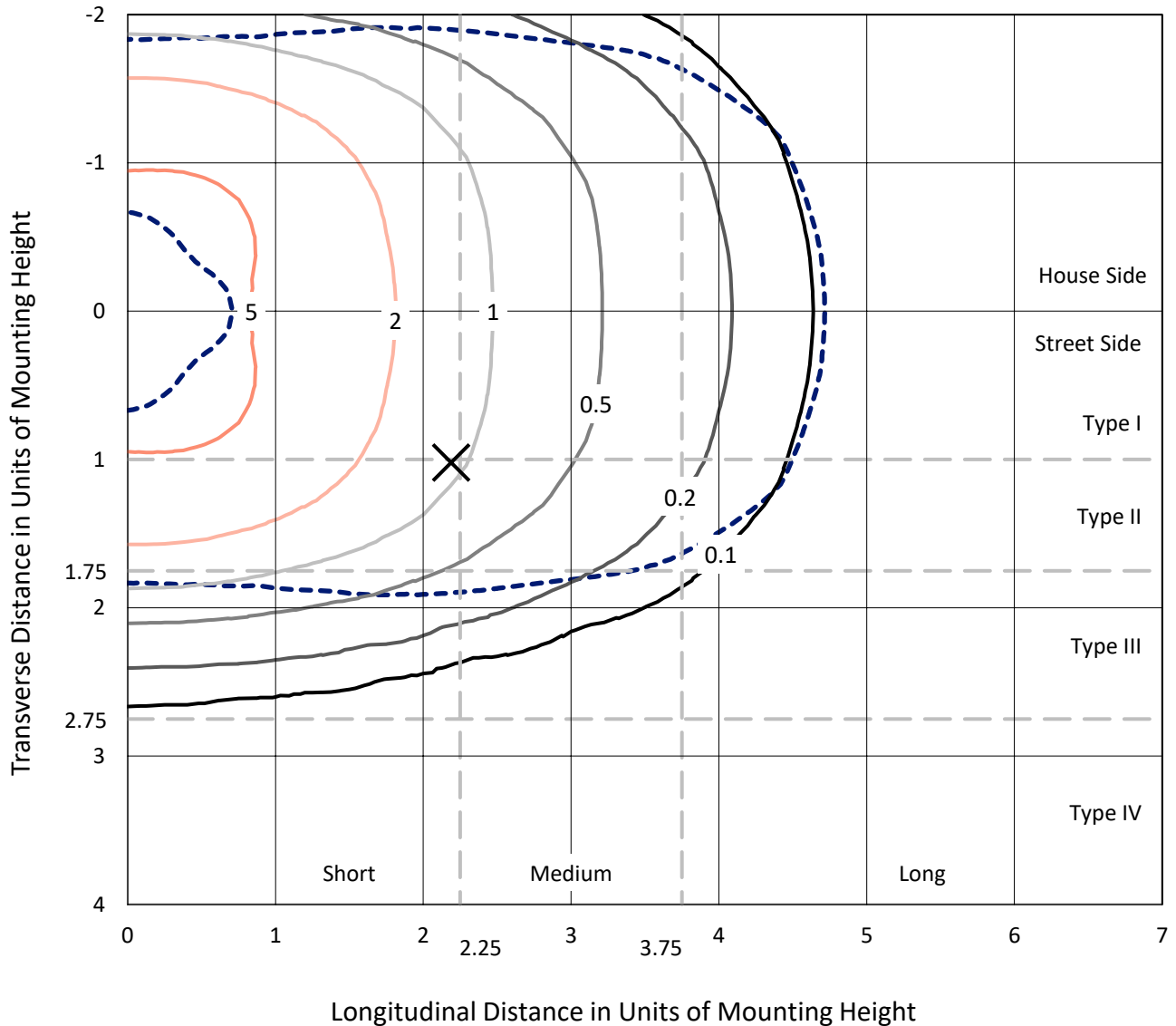




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Iso-Footcandle Lines of Horizontal Illumination

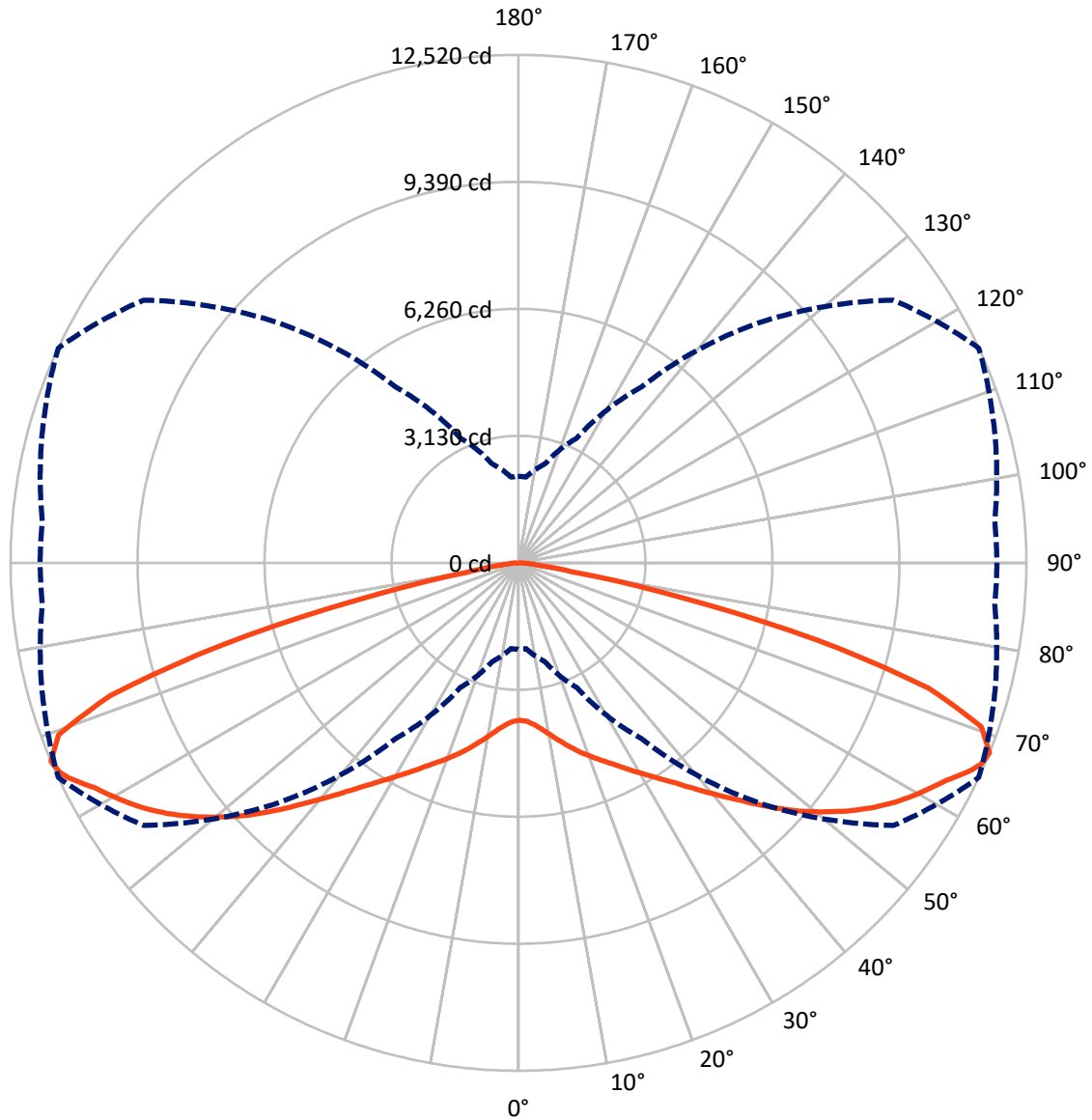
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18529.3	0.0	18529.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18529.3	0.0	18529.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	37058.6	0.0	37058.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.8	1.0
10°-20°	1281.3	3.5
20°-30°	2506.3	6.8
30°-40°	4262.9	11.5
40°-50°	6746.8	18.2
50°-60°	8946.2	24.1
60°-70°	8439.0	22.8
70°-80°	4171.8	11.3
80°-90°	321.5	0.9
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°	37058.6	100.0
0°-180°	37058.6	100.0

Coefficient of Utilization



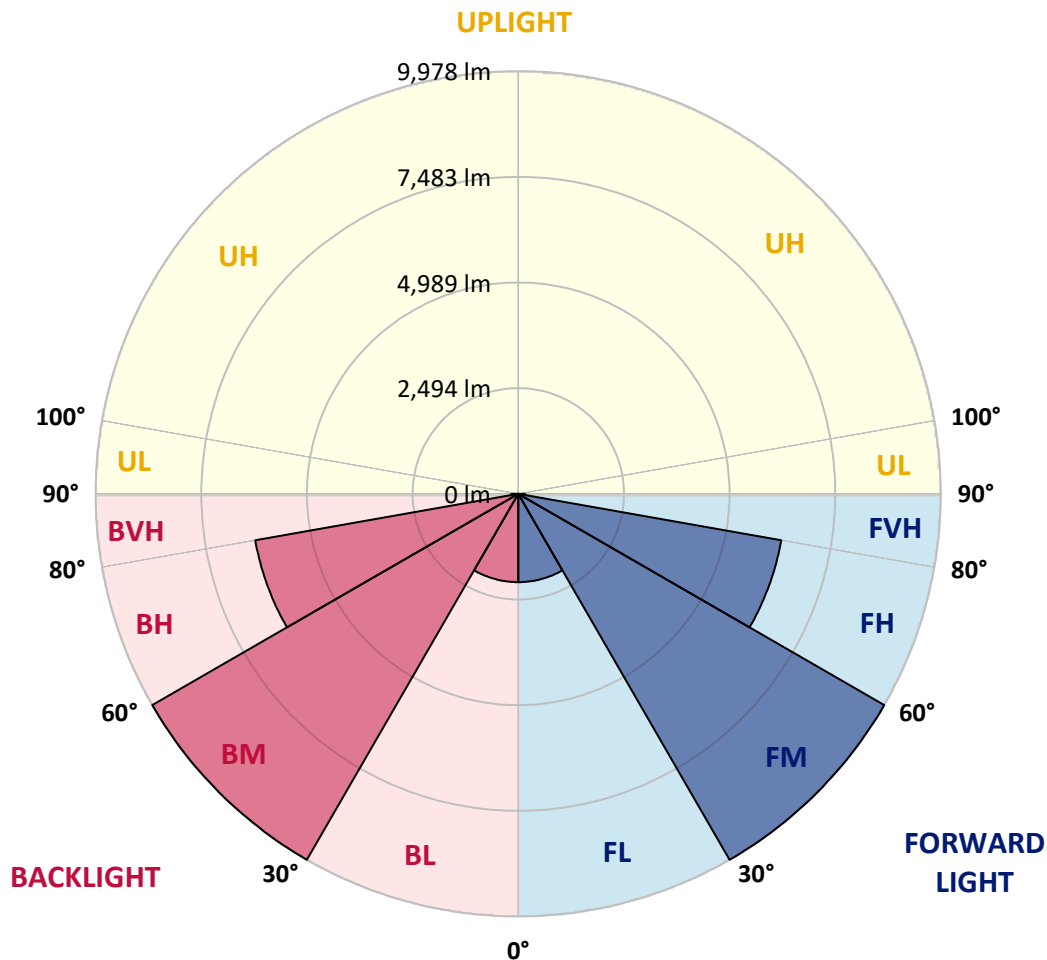
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.2	5.6			
FM (30°-60°)	9977.9	26.9			
FH (60°-80°)	6305.4	17.0			G3/7500
FVH (80°-90°)	160.8	0.4			G2/225
BL (0°-30°)	2085.2	5.6	B3/2500		
BM (30°-60°)	9977.9	26.9	B5		
BH (60°-80°)	6305.4	17.0	B5		G5
BVH (80°-90°)	160.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3861.7	3865.7	3869.7	3875.6	3883.5	3895.4	3903.4	3909.4	3925.3	3927.2	3925.3
5°	3847.8	3851.8	3861.7	3879.6	3905.4	3941.2	3968.9	4002.7	4028.5	4046.4	4042.4
7.5°	3845.9	3853.8	3869.7	3907.4	3957.0	4018.6	4082.1	4139.6	4189.3	4229.0	4223.0
10°	3877.6	3887.5	3913.4	3968.9	4046.4	4135.7	4225.1	4310.4	4381.9	4433.5	4451.4
12.5°	3931.2	3939.1	3986.8	4070.2	4181.4	4292.6	4393.8	4499.0	4598.3	4685.7	4685.7
15°	4024.5	4038.4	4098.0	4219.1	4356.1	4485.1	4588.4	4699.6	4806.8	4906.0	4935.9
17.5°	4153.6	4173.4	4262.7	4417.6	4592.4	4711.5	4808.8	4900.1	4993.4	5088.7	5102.7
20°	4330.3	4350.1	4469.3	4655.9	4862.4	5005.3	5070.9	5092.7	5138.4	5229.7	5241.6
22.5°	4570.5	4590.3	4723.4	4933.8	5164.2	5319.0	5346.8	5295.2	5283.3	5354.8	5362.7
25°	4842.5	4860.4	5013.2	5239.6	5477.9	5646.6	5638.7	5511.6	5440.1	5483.8	5495.7
27.5°	5148.3	5174.1	5328.9	5563.2	5821.4	5970.3	5946.4	5761.8	5608.9	5601.0	5604.9
30°	5539.4	5567.2	5714.1	5938.5	6192.7	6329.6	6280.0	6031.8	5795.5	5716.1	5716.1
32.5°	5952.4	6021.9	6170.8	6405.1	6603.6	6702.9	6627.5	6329.6	6015.9	5904.8	5898.8
35°	6490.4	6528.2	6675.1	6903.4	7052.3	7129.8	6984.8	6665.1	6303.9	6172.8	6154.9
37.5°	7016.6	7048.3	7219.1	7437.5	7618.2	7614.2	7417.7	7064.2	6661.2	6514.2	6502.3
40°	7554.6	7588.4	7782.9	7983.5	8164.2	8148.3	7910.0	7514.9	7086.1	6921.3	6953.0
42.5°	8021.2	8058.9	8279.4	8565.2	8728.0	8724.1	8448.1	8003.4	7556.7	7409.7	7437.5
45°	8446.1	8479.9	8736.0	9063.6	9301.9	9331.6	9029.9	8559.3	8100.7	7912.1	7920.0
47.5°	8746.0	8809.5	9077.5	9452.8	9776.4	9881.6	9585.8	9125.2	8597.0	8400.5	8412.4
50°	8974.3	9014.0	9305.8	9732.7	10141.7	10360.1	10121.8	9649.3	9093.4	8884.9	8912.7
52.5°	9002.1	9049.7	9367.3	9859.8	10383.9	10715.5	10598.4	10161.5	9599.7	9385.3	9444.8
55°	8775.7	8803.5	9182.7	9780.4	10479.2	10979.5	11009.4	10638.1	10082.1	9919.4	9959.1
57.5°	8130.4	8201.9	8682.4	9409.1	10348.2	11120.6	11317.1	11070.9	10570.6	10409.8	10473.3
60°	7072.2	7143.7	7626.1	8547.4	9853.8	11055.0	11571.3	11454.1	11013.3	10884.2	10918.0
62.5°	5541.4	5535.4	6133.1	7262.8	8871.0	10733.4	11759.9	11823.4	11450.1	11287.3	11338.9
65°	3591.7	3609.6	4187.3	5404.4	7387.8	9915.4	11801.5	12294.0	11879.0	11632.8	11670.5
66°	2888.8	2942.4	3432.8	4554.6	6631.4	9379.3	11676.5	12432.9	12010.0	11712.2	11730.0
67.5°	2132.3	2122.5	2525.5	3391.2	5295.2	8360.7	11285.3	12520.2	12158.9	11783.7	11791.6
70°	1217.1	1215.1	1358.0	1862.4	3113.2	5886.9	9512.3	12101.3	12460.7	12041.8	12019.9
72.5°	889.5	883.5	903.3	1028.5	1518.9	2972.2	6561.9	10576.5	12305.9	12000.1	11938.6
75°	746.5	742.6	738.6	754.5	851.7	1346.1	3482.5	7608.3	10677.8	11263.5	11200.0
77.5°	609.6	609.6	611.5	607.5	611.5	708.8	1443.5	4078.1	6502.3	7258.8	7435.5
80°	476.5	474.5	508.2	494.4	462.6	454.7	639.3	1312.4	2158.2	2146.3	1771.0
82.5°	351.4	327.6	387.2	377.2	341.5	289.9	373.3	559.9	720.8	468.5	347.4
85°	222.4	220.4	274.0	250.2	208.4	137.0	178.7	240.2	297.9	180.6	146.9
87.5°	39.7	37.7	87.4	63.5	63.5	39.7	49.6	65.5	97.2	67.5	49.6
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)