

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: P647541

Luminaire Tested: **GALN-SA7D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647541
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-SA7D-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 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: 27264.9 lumens
Efficiency: N/A
Efficacy: 63.0 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

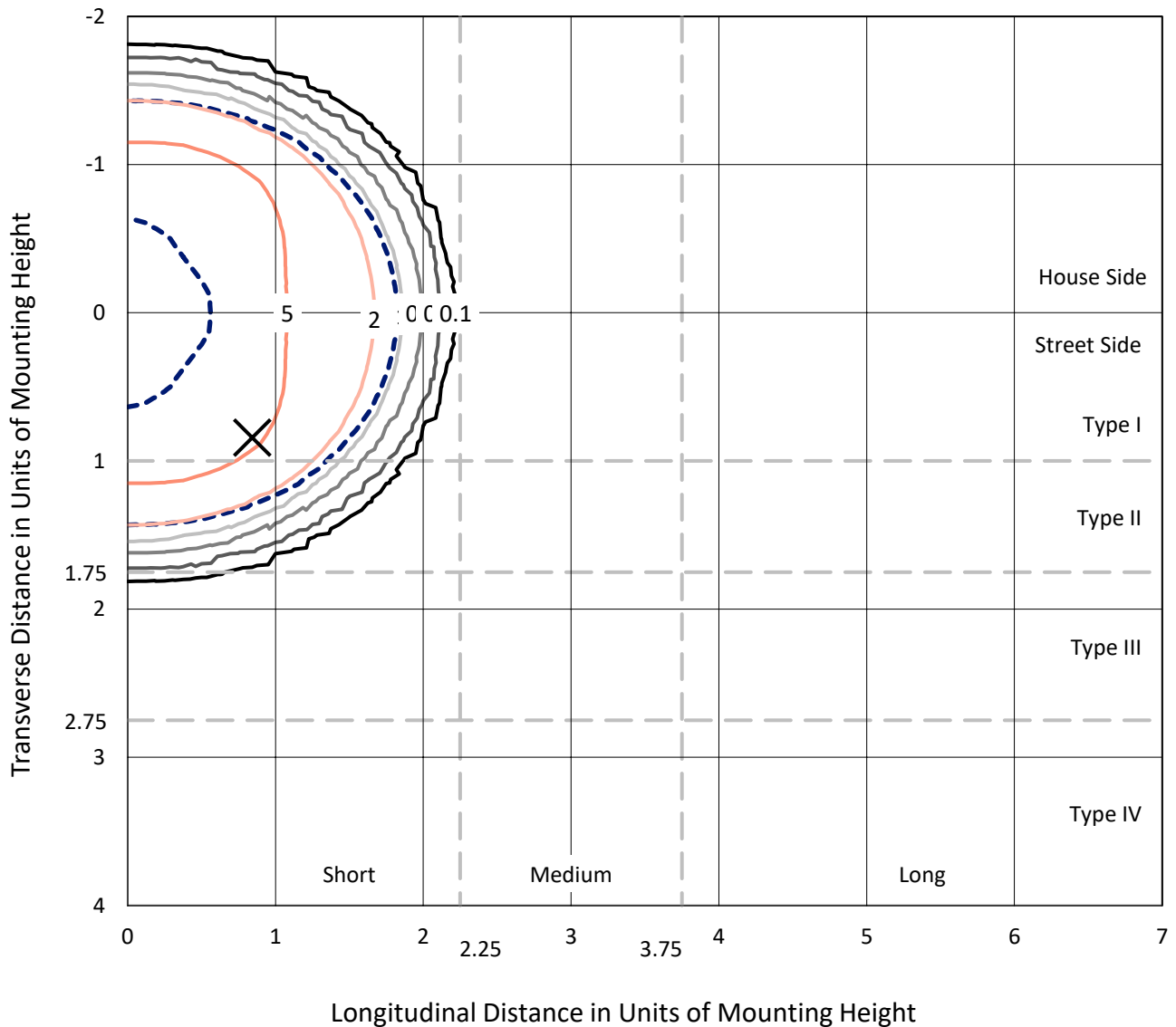
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

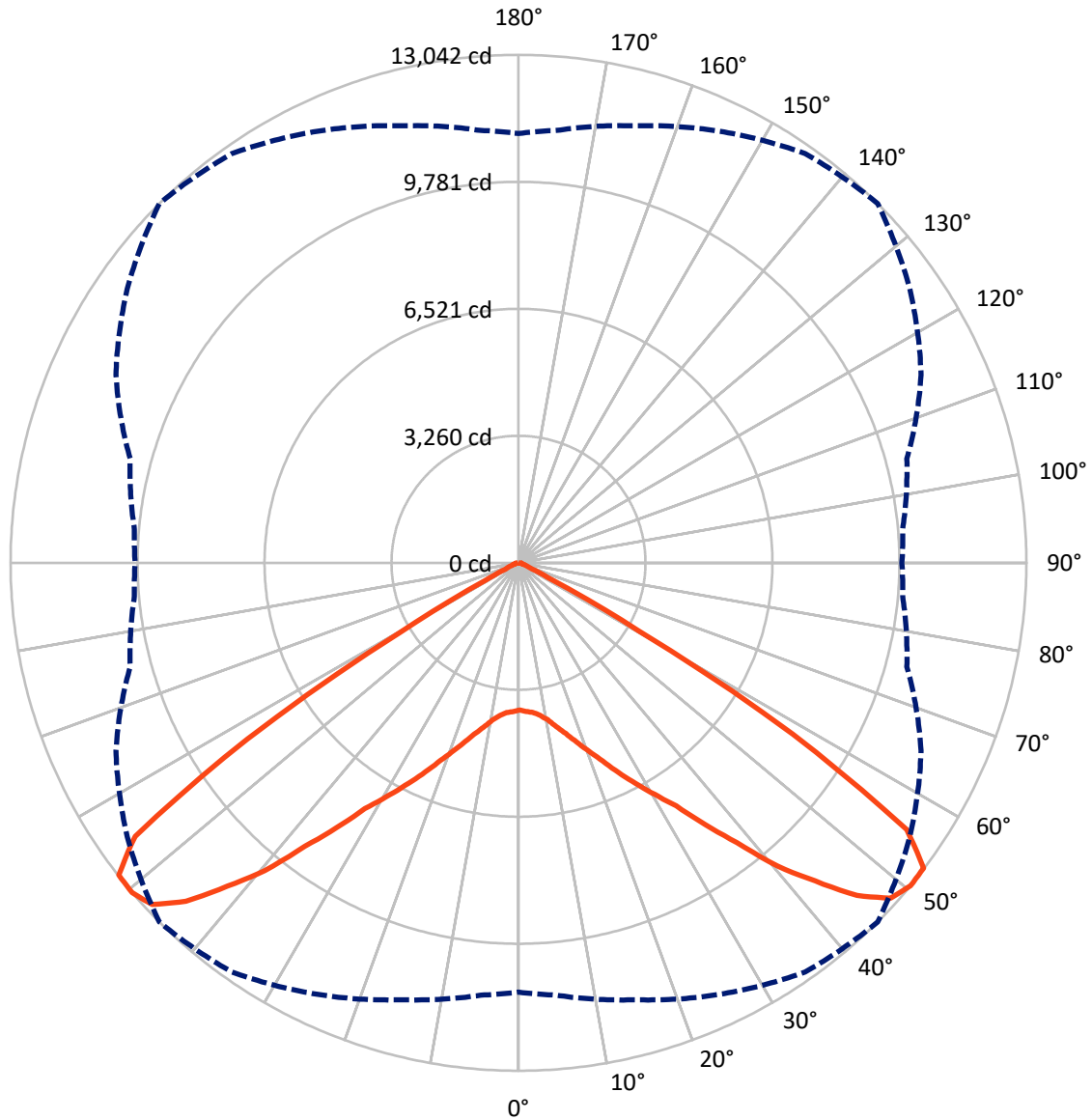
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	13632.4	0.0	13632.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13632.4	0.0	13632.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27264.9	0.0	27264.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.0	1.4
10°-20°	1296.1	4.8
20°-30°	2647.1	9.7
30°-40°	5048.0	18.5
40°-50°	8506.7	31.2
50°-60°	8112.6	29.8
60°-70°	1132.5	4.2
70°-80°	108.3	0.4
80°-90°	37.4	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°	27264.9	100.0
0°-180°	27264.9	100.0

Coefficient of Utilization



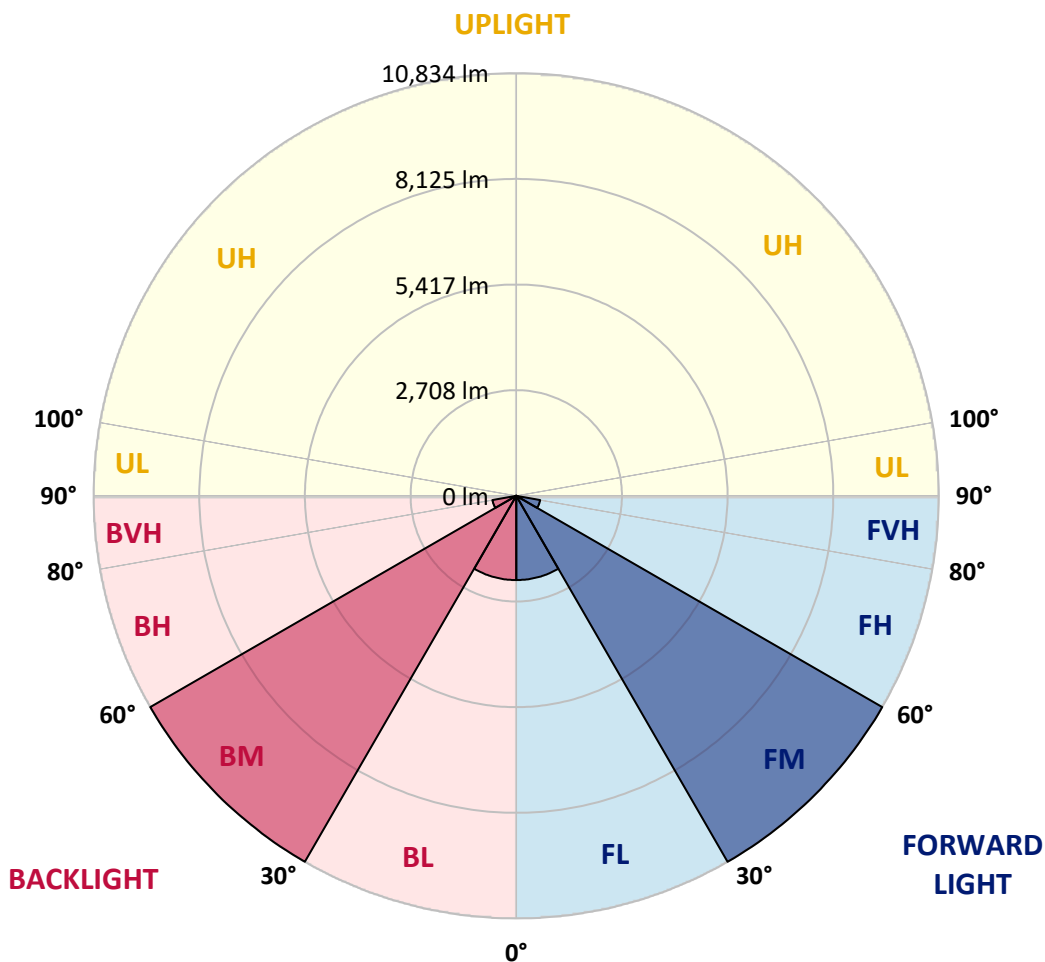
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2159.6	7.9			
FM (30°-60°)	10833.7	39.7			
FH (60°-80°)	620.4	2.3			G0/660
FVH (80°-90°)	18.7	0.1			G1/100
BL (0°-30°)	2159.6	7.9	B3/2500		
BM (30°-60°)	10833.7	39.7	B5		
BH (60°-80°)	620.4	2.3	B2/1000		G0/660
BVH (80°-90°)	18.7	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°	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9
2.5°	3766.2	3766.2	3761.6	3798.3	3779.9	3821.3	3816.7	3830.4	3844.2	3839.6	3876.3
5°	3734.1	3729.5	3729.5	3770.8	3812.1	3857.9	3899.3	3926.7	3972.6	3972.6	4018.5
7.5°	3766.2	3743.3	3775.4	3793.7	3871.7	3949.7	4018.5	4073.6	4179.1	4215.8	4202.0
10°	3775.4	3802.9	3825.8	3880.9	3977.2	4096.5	4156.2	4293.7	4413.0	4495.6	4513.9
12.5°	3835.1	3876.3	3940.5	4073.6	4160.7	4316.7	4399.3	4532.3	4697.5	4789.2	4853.4
15°	3949.7	3963.5	4046.1	4215.8	4403.8	4546.0	4674.5	4770.8	4931.4	5036.9	5041.5
17.5°	4096.5	4156.2	4270.8	4431.4	4628.6	4839.6	4940.6	5046.0	5105.7	5247.9	5280.0
20°	4390.1	4399.3	4509.4	4720.4	4968.1	5160.8	5234.1	5289.2	5266.3	5413.0	5440.6
22.5°	4665.3	4674.5	4812.2	5096.5	5362.6	5527.7	5559.8	5527.7	5458.9	5564.5	5573.6
25°	4945.2	5027.7	5128.7	5413.0	5743.4	5963.6	5968.1	5881.0	5738.8	5757.1	5803.0
27.5°	5380.9	5440.6	5546.1	5807.6	6170.0	6417.7	6376.4	6270.9	6087.4	6101.1	6087.4
30°	5890.1	5945.2	6032.4	6367.2	6633.3	6903.9	6963.6	6862.7	6587.5	6527.8	6596.6
32.5°	6504.9	6582.8	6743.4	7050.8	7275.6	7440.7	7482.0	7445.2	7188.3	7165.5	7211.3
35°	7252.6	7358.1	7504.9	7775.6	7959.0	8257.2	8257.2	8133.3	7899.4	7926.9	7922.3
37.5°	8041.6	8197.6	8427.0	8702.2	8949.9	9110.4	9060.0	8954.5	8720.5	8660.9	8720.5
40°	9032.5	9110.4	9399.4	9757.3	10060.1	10243.5	10028.0	9798.5	9238.9	9326.1	9486.6
42.5°	9936.2	10060.1	10280.2	10674.7	11018.8	11170.2	10913.3	10459.2	9784.8	9716.0	9835.3
45°	10706.8	10839.9	11128.9	11693.2	12055.5	12188.6	11619.7	10885.7	10115.1	9940.7	9991.2
47.5°	11220.6	11289.5	11693.2	12229.8	12560.2	12862.9	12046.4	11179.4	10271.1	9940.7	9922.4
50°	11023.4	11142.6	11615.2	12225.3	12826.2	13041.8	12261.9	11404.2	10321.5	9899.5	9844.4
52.5°	9789.4	9995.9	10523.4	11344.5	12252.8	13023.5	12560.2	11330.7	10303.2	9940.7	10023.3
55°	6812.2	6816.8	7459.0	8670.1	10275.6	12092.3	12124.4	11413.3	10422.4	10197.6	10202.3
57.5°	2738.6	2876.3	3367.1	4582.7	6064.5	8303.1	9872.0	10587.6	10436.2	10381.2	10523.4
60°	692.7	697.3	848.7	1293.6	2133.1	3559.8	5169.9	6995.7	8055.3	8417.8	8468.2
62.5°	353.2	357.8	394.5	458.8	582.6	954.2	1697.3	2692.7	3830.4	4408.4	4559.8
65°	289.0	289.0	311.9	344.1	348.7	367.0	440.4	628.4	912.9	1036.8	1050.5
67.5°	220.2	220.2	238.6	256.9	266.1	261.4	252.3	261.4	316.5	302.8	293.6
70°	137.7	142.2	151.4	169.8	178.9	183.5	188.1	197.2	224.8	234.0	224.8
72.5°	82.6	82.6	87.1	100.9	114.7	123.9	137.7	146.8	160.6	183.5	178.9
75°	36.7	36.7	45.9	59.7	73.4	87.1	100.9	114.7	123.9	137.7	142.2
77.5°	9.2	13.8	22.9	41.3	55.0	73.4	91.8	105.5	114.7	114.7	110.1
80°	4.6	4.6	18.3	32.1	59.7	78.0	100.9	110.1	123.9	114.7	100.9
82.5°	4.6	4.6	18.3	32.1	55.0	78.0	105.5	119.3	128.4	114.7	96.3
85°	0.0	4.6	13.8	27.6	45.9	55.0	45.9	32.1	18.3	18.3	13.8
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)