

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: P528671

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528671
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-SA3D-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 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: 13902 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

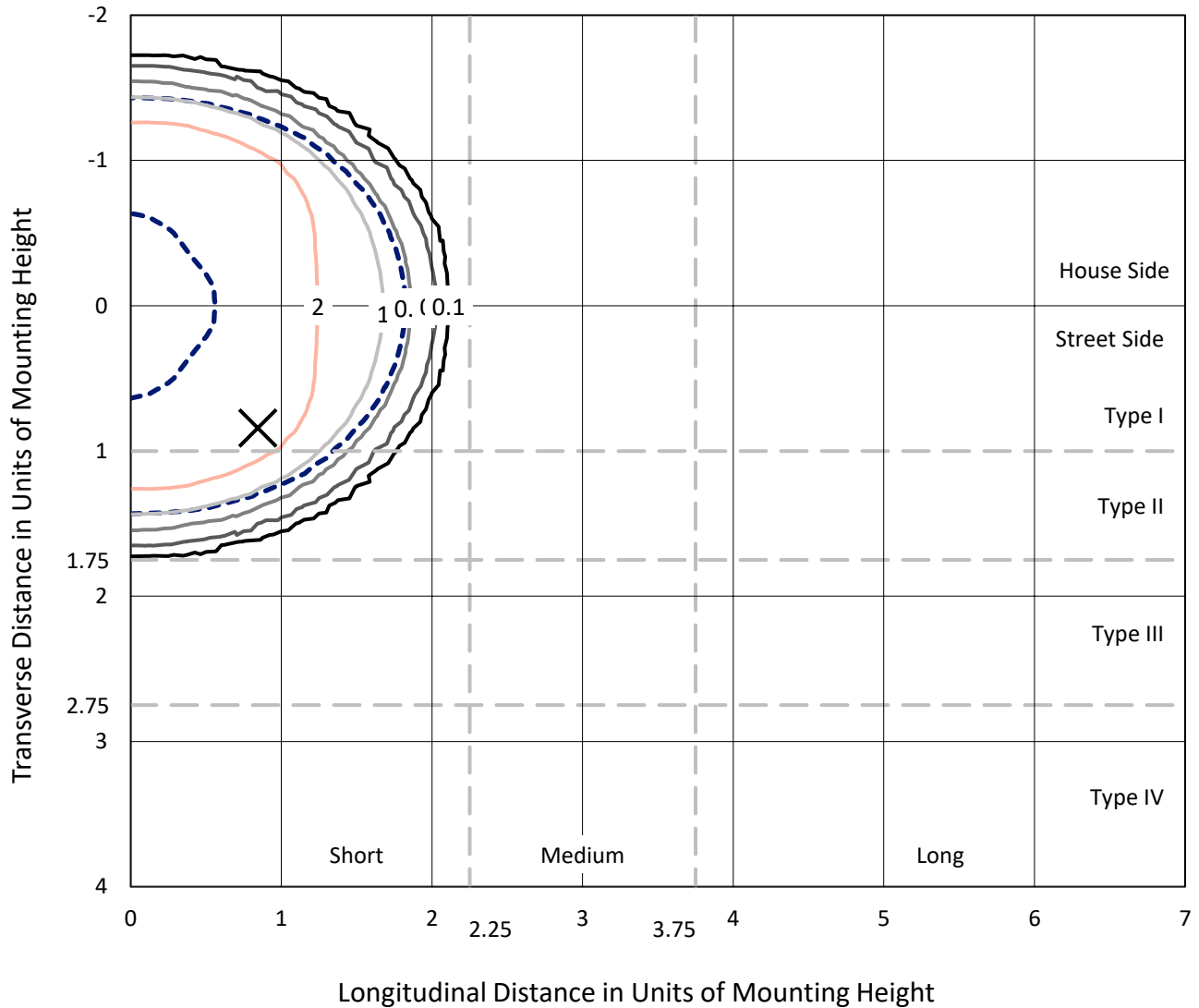
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

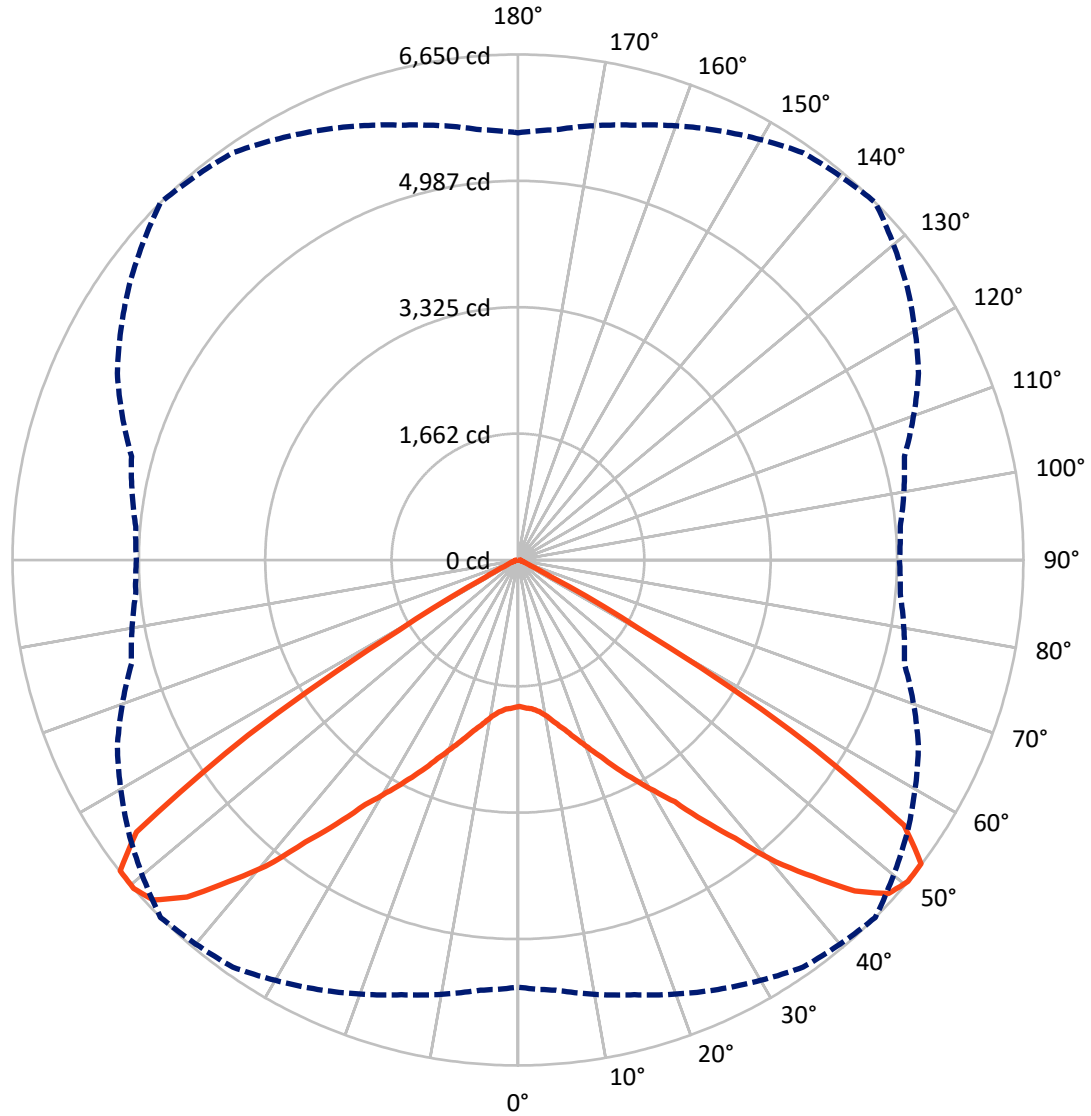
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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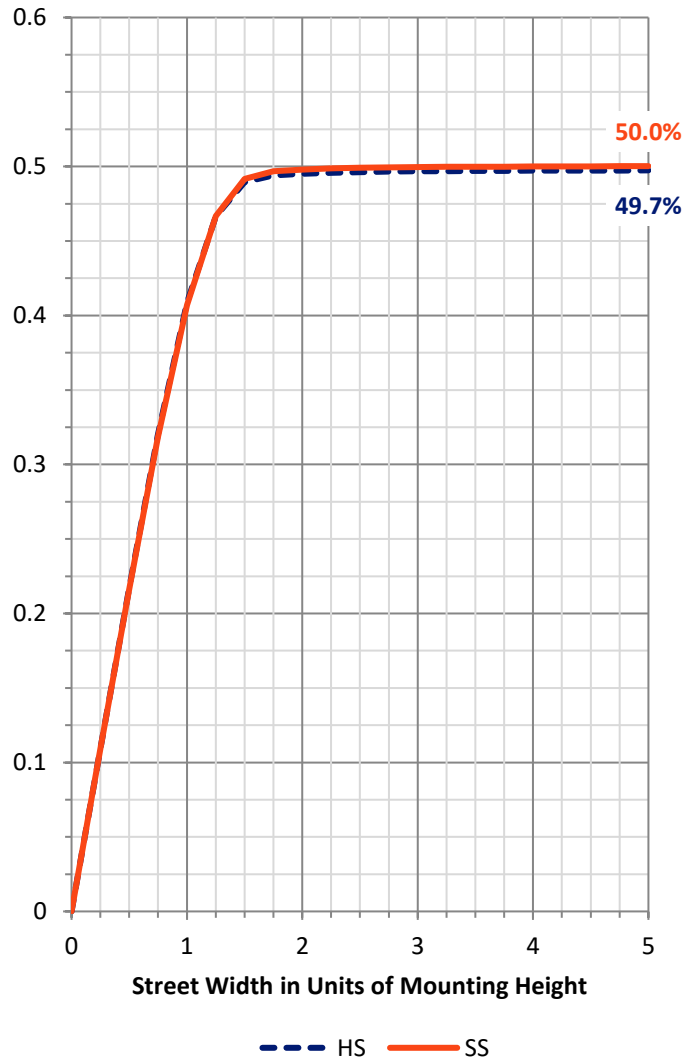
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6951.0	0.0	6951.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6951.0	0.0	6951.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13902.0	0.0	13902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	1.4
10°-20°	660.9	4.8
20°-30°	1349.7	9.7
30°-40°	2573.9	18.5
40°-50°	4337.5	31.2
50°-60°	4136.5	29.8
60°-70°	577.4	4.2
70°-80°	55.2	0.4
80°-90°	19.1	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°	13902.0	100.0
0°-180°	13902.0	100.0

Coefficient of Utilization



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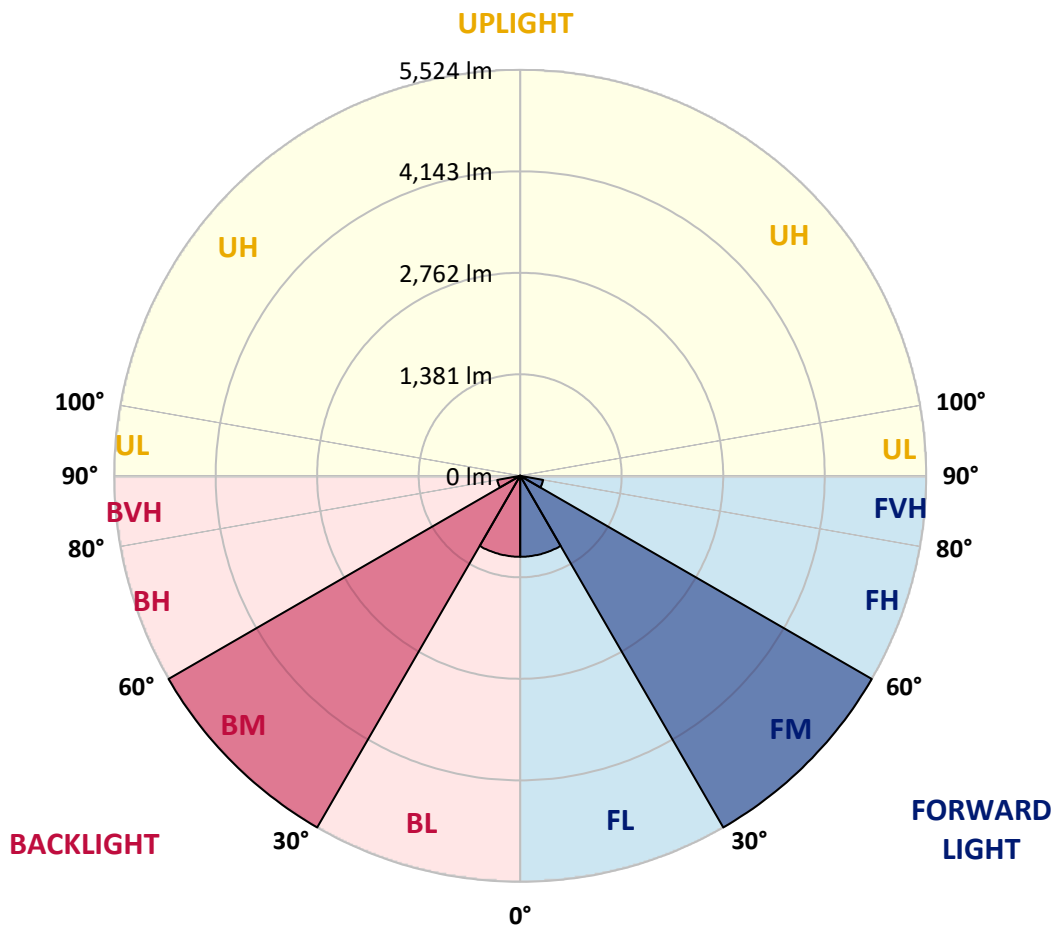
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1101.2	7.9			
FM (30°-60°)	5524.0	39.7			
FH (60°-80°)	316.3	2.3			G0/660
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	1101.2	7.9	B3/2500		
BM (30°-60°)	5524.0	39.7	B4/8500		
BH (60°-80°)	316.3	2.3	B1/500		G0/660
BVH (80°-90°)	9.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4	1927.4
2.5°	1920.3	1920.3	1918.0	1936.7	1927.4	1948.4	1946.1	1953.1	1960.1	1957.8	1976.5
5°	1904.0	1901.6	1901.6	1922.7	1943.7	1967.1	1988.2	2002.2	2025.6	2025.6	2049.0
7.5°	1920.3	1908.6	1925.0	1934.4	1974.1	2013.9	2049.0	2077.1	2130.9	2149.6	2142.5
10°	1925.0	1939.1	1950.7	1978.8	2027.9	2088.8	2119.2	2189.3	2250.1	2292.2	2301.6
12.5°	1955.4	1976.5	2009.2	2077.1	2121.5	2201.0	2243.1	2311.0	2395.2	2441.9	2474.7
15°	2013.9	2020.9	2063.0	2149.6	2245.5	2318.0	2383.5	2432.6	2514.5	2568.3	2570.6
17.5°	2088.8	2119.2	2177.6	2259.5	2360.1	2467.7	2519.1	2572.9	2603.3	2675.8	2692.2
20°	2238.5	2243.1	2299.3	2406.9	2533.2	2631.4	2668.8	2696.9	2685.2	2760.1	2774.1
22.5°	2378.8	2383.5	2453.6	2598.7	2734.3	2818.5	2834.9	2818.5	2783.4	2837.2	2841.9
25°	2521.5	2563.6	2615.0	2760.1	2928.5	3040.7	3043.1	2998.6	2926.1	2935.5	2958.9
27.5°	2743.7	2774.1	2827.9	2961.2	3146.0	3272.3	3251.2	3197.5	3103.9	3110.9	3103.9
30°	3003.3	3031.4	3075.8	3246.6	3382.2	3520.2	3550.6	3499.2	3358.8	3328.4	3363.5
32.5°	3316.7	3356.5	3438.4	3595.1	3709.7	3793.9	3815.0	3796.2	3665.3	3653.6	3677.0
35°	3698.0	3751.8	3826.7	3964.7	4058.2	4210.3	4210.3	4147.1	4027.8	4041.8	4039.5
37.5°	4100.3	4179.8	4296.8	4437.1	4563.4	4645.3	4619.6	4565.8	4446.5	4416.1	4446.5
40°	4605.5	4645.3	4792.7	4975.1	5129.5	5223.1	5113.1	4996.2	4710.8	4755.2	4837.1
42.5°	5066.3	5129.5	5241.8	5442.9	5618.3	5695.5	5564.5	5333.0	4989.1	4954.1	5014.9
45°	5459.3	5527.1	5674.5	5962.2	6147.0	6214.8	5924.8	5550.5	5157.6	5068.7	5094.4
47.5°	5721.3	5756.3	5962.2	6235.8	6404.3	6558.6	6142.3	5700.2	5237.1	5068.7	5059.3
50°	5620.7	5681.5	5922.4	6233.5	6539.9	6649.9	6252.2	5814.8	5262.8	5047.6	5019.6
52.5°	4991.5	5096.7	5365.7	5784.4	6247.5	6640.5	6404.3	5777.4	5253.5	5068.7	5110.8
55°	3473.5	3475.8	3803.3	4420.8	5239.4	6165.7	6182.1	5819.5	5314.3	5199.7	5202.0
57.5°	1396.4	1466.6	1716.8	2336.7	3092.2	4233.6	5033.6	5398.5	5321.3	5293.2	5365.7
60°	353.2	355.5	432.7	659.6	1087.6	1815.1	2636.1	3567.0	4107.3	4292.1	4317.8
62.5°	180.1	182.4	201.2	233.9	297.1	486.5	865.4	1373.0	1953.1	2247.8	2325.0
65°	147.4	147.4	159.1	175.4	177.8	187.1	224.5	320.4	465.5	528.6	535.6
67.5°	112.3	112.3	121.6	131.0	135.7	133.3	128.6	133.3	161.4	154.4	149.7
70°	70.2	72.5	77.2	86.5	91.2	93.6	95.9	100.6	114.6	119.3	114.6
72.5°	42.1	42.1	44.4	51.5	58.5	63.2	70.2	74.8	81.9	93.6	91.2
75°	18.7	18.7	23.4	30.4	37.4	44.4	51.5	58.5	63.2	70.2	72.5
77.5°	4.7	7.0	11.7	21.1	28.1	37.4	46.8	53.8	58.5	58.5	56.1
80°	2.3	2.3	9.4	16.4	30.4	39.8	51.5	56.1	63.2	58.5	51.5
82.5°	2.3	2.3	9.4	16.4	28.1	39.8	53.8	60.8	65.5	58.5	49.1
85°	0.0	2.3	7.0	14.0	23.4	28.1	23.4	16.4	9.4	9.4	7.0
87.5°	0.0	0.0	2.3	2.3	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)