

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: P528403

Luminaire Tested: **GALN-SA3C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11471 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

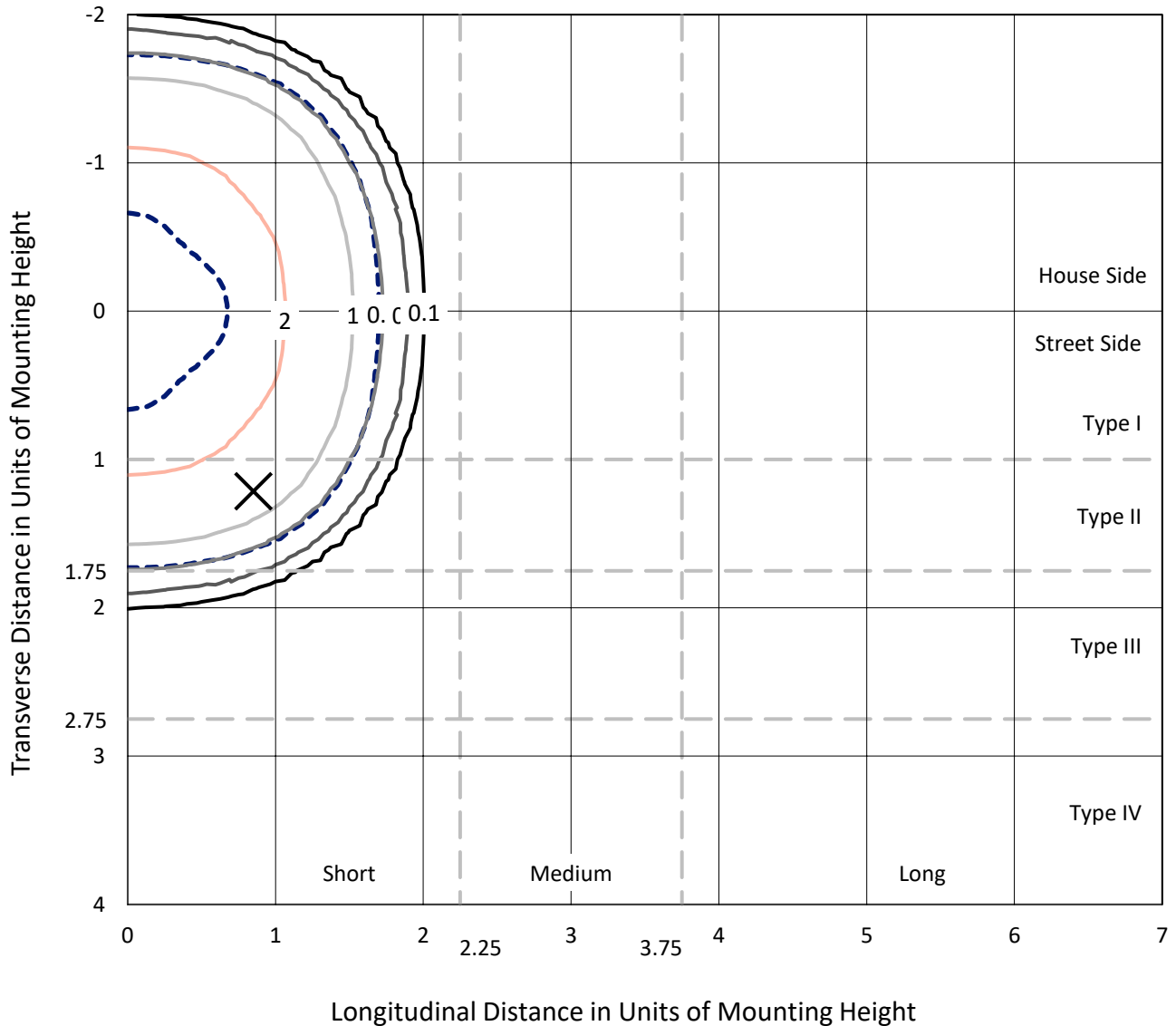
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

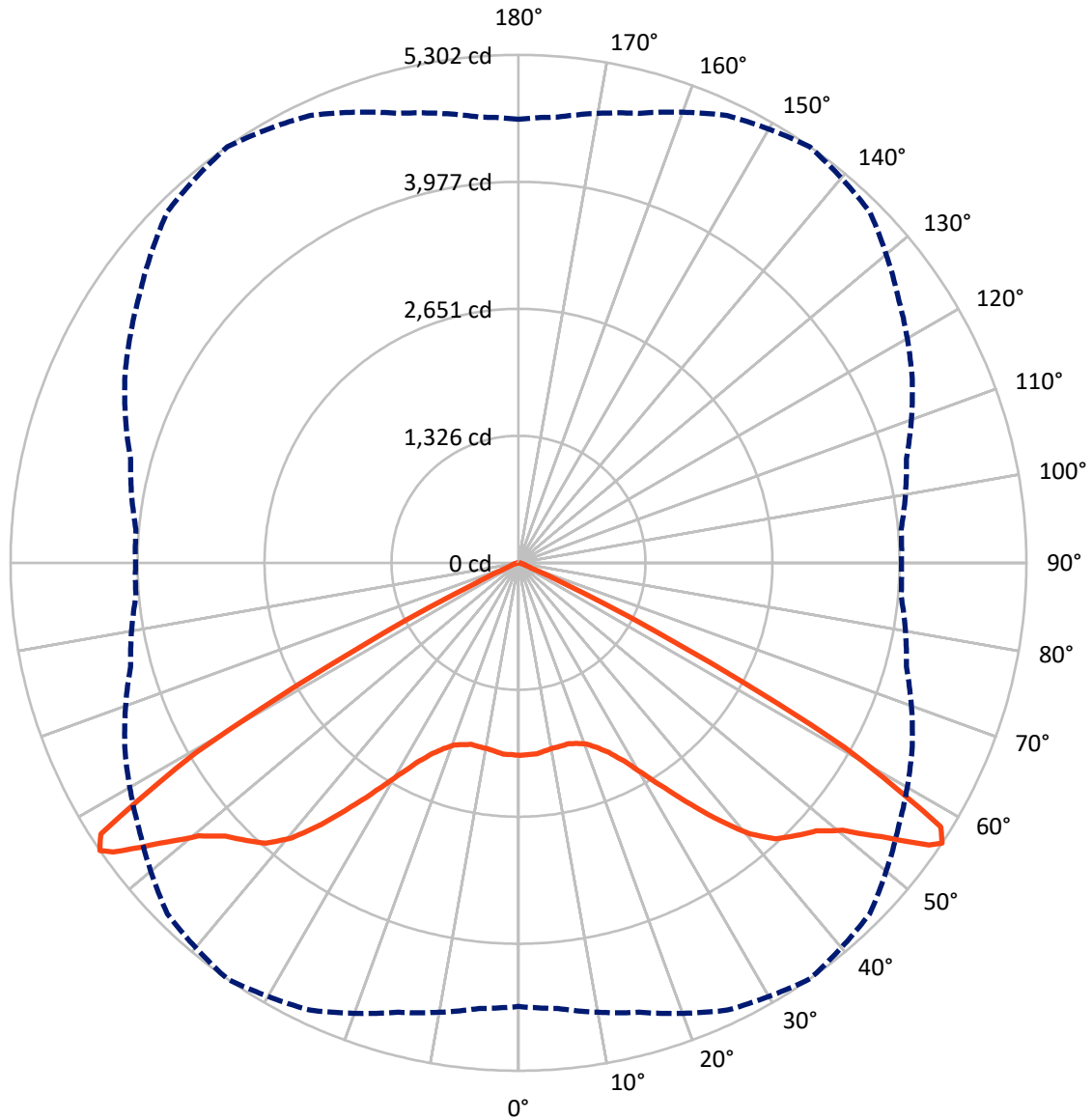
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5735.5	0.0	5735.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5735.5	0.0	5735.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11471.0	0.0	11471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.9	1.6
10°-20°	551.5	4.8
20°-30°	998.7	8.7
30°-40°	1852.0	16.1
40°-50°	3039.9	26.5
50°-60°	3916.3	34.1
60°-70°	863.1	7.5
70°-80°	50.1	0.4
80°-90°	10.5	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°	11471.0	100.0
0°-180°	11471.0	100.0

Coefficient of Utilization

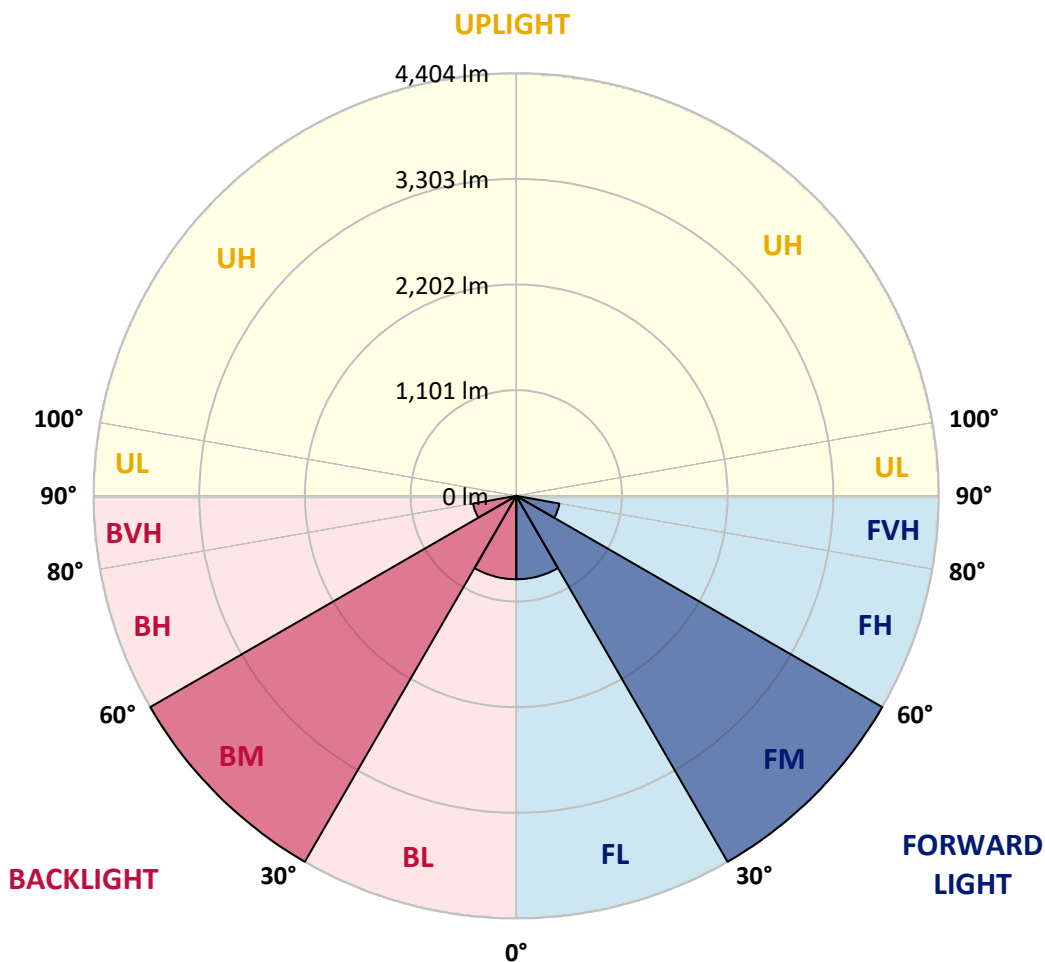


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	869.6	7.6			
FM (30°-60°)	4404.1	38.4			
FH (60°-80°)	456.6	4.0			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	869.6	7.6	B2/1000		
BM (30°-60°)	4404.1	38.4	B3/5000		
BH (60°-80°)	456.6	4.0	B1/500		G0/660
BVH (80°-90°)	5.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2010.0	2010.0	2010.0	2010.0	2010.0	2010.0	2010.0	2010.0	2010.0	2010.0	2010.0
2.5°	2014.1	2014.1	2016.2	2018.3	2003.7	1997.5	1999.6	1995.4	1993.3	1999.6	1999.6
5°	2007.9	2007.9	2001.7	2003.7	2003.7	1985.0	1985.0	1989.2	1989.2	1976.7	1972.6
7.5°	1991.3	1987.1	1978.8	1989.2	1982.9	1982.9	1968.4	1958.0	1953.8	1962.2	1953.8
10°	1955.9	1958.0	1966.3	1970.5	1966.3	1978.8	1953.8	1939.3	1924.7	1918.5	1918.5
12.5°	1939.3	1951.8	1939.3	1949.7	1964.2	1953.8	1939.3	1928.9	1908.1	1899.8	1899.8
15°	1937.2	1945.5	1949.7	1964.2	1958.0	1962.2	1933.1	1920.6	1889.4	1874.9	1868.6
17.5°	1935.1	1945.5	1951.8	1978.8	1982.9	1985.0	1962.2	1924.7	1897.7	1883.2	1868.6
20°	1958.0	1962.2	1974.6	2001.7	2018.3	2047.4	2005.8	1966.3	1908.1	1891.5	1885.3
22.5°	1987.1	2007.9	2020.4	2049.5	2093.1	2118.1	2064.0	2014.1	1953.8	1933.1	1908.1
25°	2080.6	2076.5	2097.3	2157.5	2192.9	2211.6	2167.9	2095.2	2016.2	1991.3	1995.4
27.5°	2197.0	2201.2	2219.9	2286.4	2338.4	2367.5	2315.5	2219.9	2143.0	2101.4	2097.3
30°	2348.8	2344.6	2365.4	2454.8	2548.3	2592.0	2500.5	2388.3	2313.4	2259.4	2271.9
32.5°	2508.8	2510.9	2569.1	2650.2	2801.9	2887.1	2739.5	2602.4	2490.1	2452.7	2434.0
35°	2745.8	2756.2	2801.9	2926.6	3095.0	3205.1	3043.0	2878.8	2749.9	2681.3	2689.7
37.5°	3038.9	3028.5	3105.4	3240.5	3417.1	3498.2	3361.0	3174.0	3043.0	2997.3	3026.4
40°	3350.6	3361.0	3400.5	3523.2	3720.6	3774.7	3571.0	3469.1	3354.8	3331.9	3367.3
42.5°	3662.4	3656.2	3685.3	3795.4	3938.9	3901.5	3780.9	3720.6	3639.6	3593.8	3641.6
45°	3891.1	3880.7	3934.7	4009.5	4061.5	3990.8	3936.8	3916.0	3874.4	3824.5	3868.2
47.5°	4113.5	4105.2	4157.1	4177.9	4182.1	4088.5	4098.9	4136.3	4032.4	3928.5	3978.4
50°	4302.6	4288.1	4352.5	4398.2	4387.8	4238.2	4275.6	4238.2	4076.1	3953.4	3934.7
52.5°	4618.6	4624.8	4693.4	4776.5	4751.6	4626.9	4572.8	4402.4	4194.5	4084.4	4019.9
55°	4818.1	4786.9	4905.4	5169.4	5198.5	5069.6	4830.6	4579.1	4267.3	4132.2	4115.5
56°	4631.0	4670.5	4857.6	5152.7	5302.4	5183.9	4836.8	4535.4	4192.5	4009.5	3997.1
57.5°	4155.0	4134.3	4387.8	4791.1	5198.5	5148.6	4666.4	4223.6	3824.5	3618.8	3593.8
60°	2585.7	2646.0	2868.4	3367.3	3911.8	3936.8	3458.7	3078.3	2612.7	2429.8	2473.5
62.5°	1012.3	960.3	1099.6	1471.6	1845.8	1928.9	1748.1	1452.9	1193.1	1012.3	999.8
65°	234.9	228.6	257.7	355.4	496.8	575.8	546.7	392.8	288.9	274.4	253.6
67.5°	133.0	133.0	126.8	126.8	139.3	147.6	141.3	139.3	145.5	151.7	149.7
70°	93.5	91.5	87.3	89.4	85.2	85.2	91.5	101.8	110.2	110.2	112.2
72.5°	56.1	56.1	56.1	62.4	62.4	62.4	68.6	76.9	79.0	76.9	74.8
75°	24.9	24.9	29.1	35.3	39.5	41.6	47.8	52.0	56.1	52.0	47.8
77.5°	6.2	6.2	10.4	14.5	18.7	22.9	31.2	37.4	39.5	37.4	31.2
80°	2.1	2.1	4.2	10.4	18.7	22.9	31.2	33.3	35.3	31.2	24.9
82.5°	2.1	2.1	4.2	10.4	14.5	18.7	24.9	29.1	31.2	27.0	24.9
85°	0.0	2.1	4.2	8.3	12.5	16.6	16.6	12.5	10.4	6.2	8.3
87.5°	0.0	0.0	2.1	2.1	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)