

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: P533788

Luminaire Tested: **GALN-SA9B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42315 lumens
Efficiency: N/A
Efficacy: 116.3 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

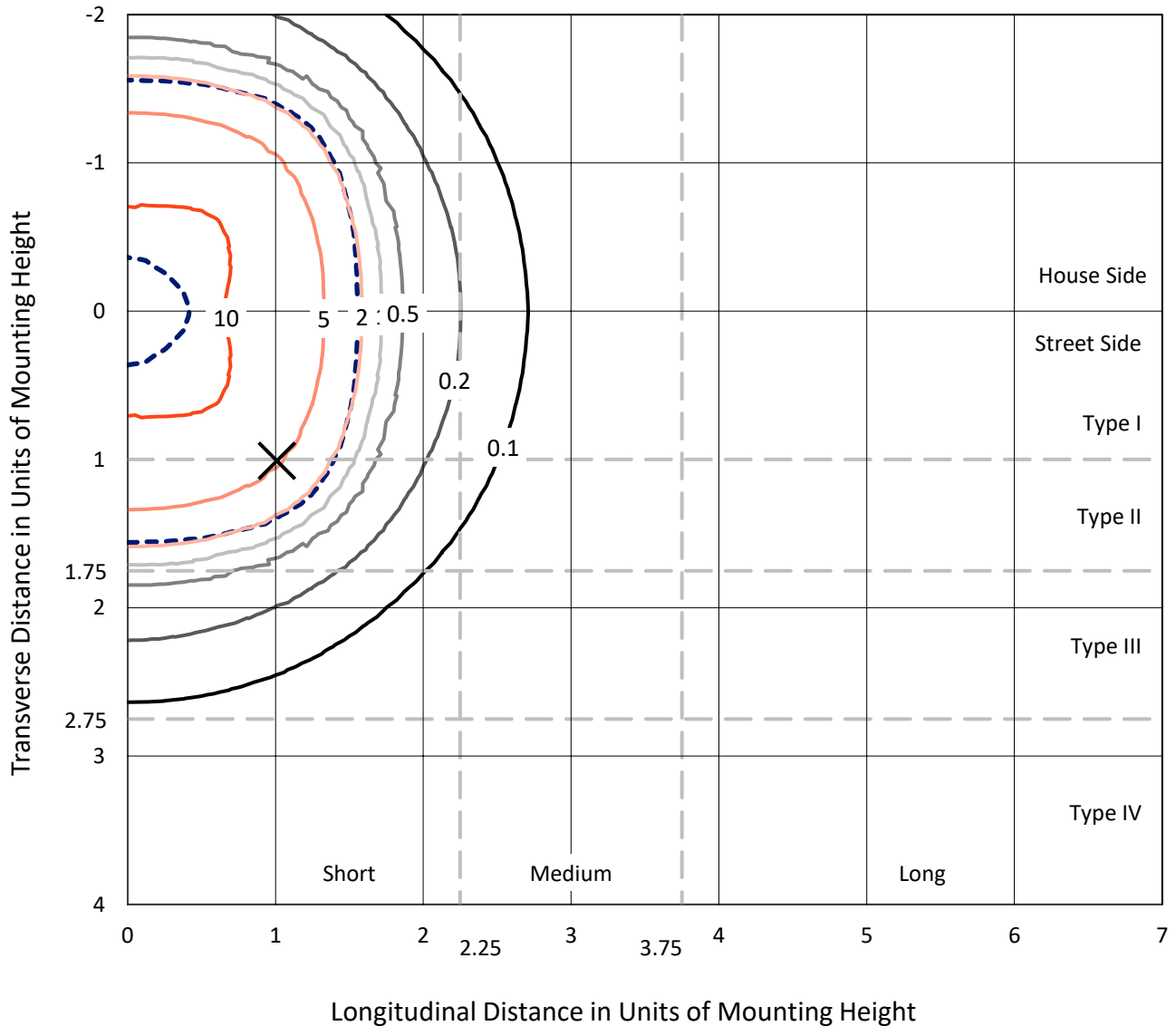
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

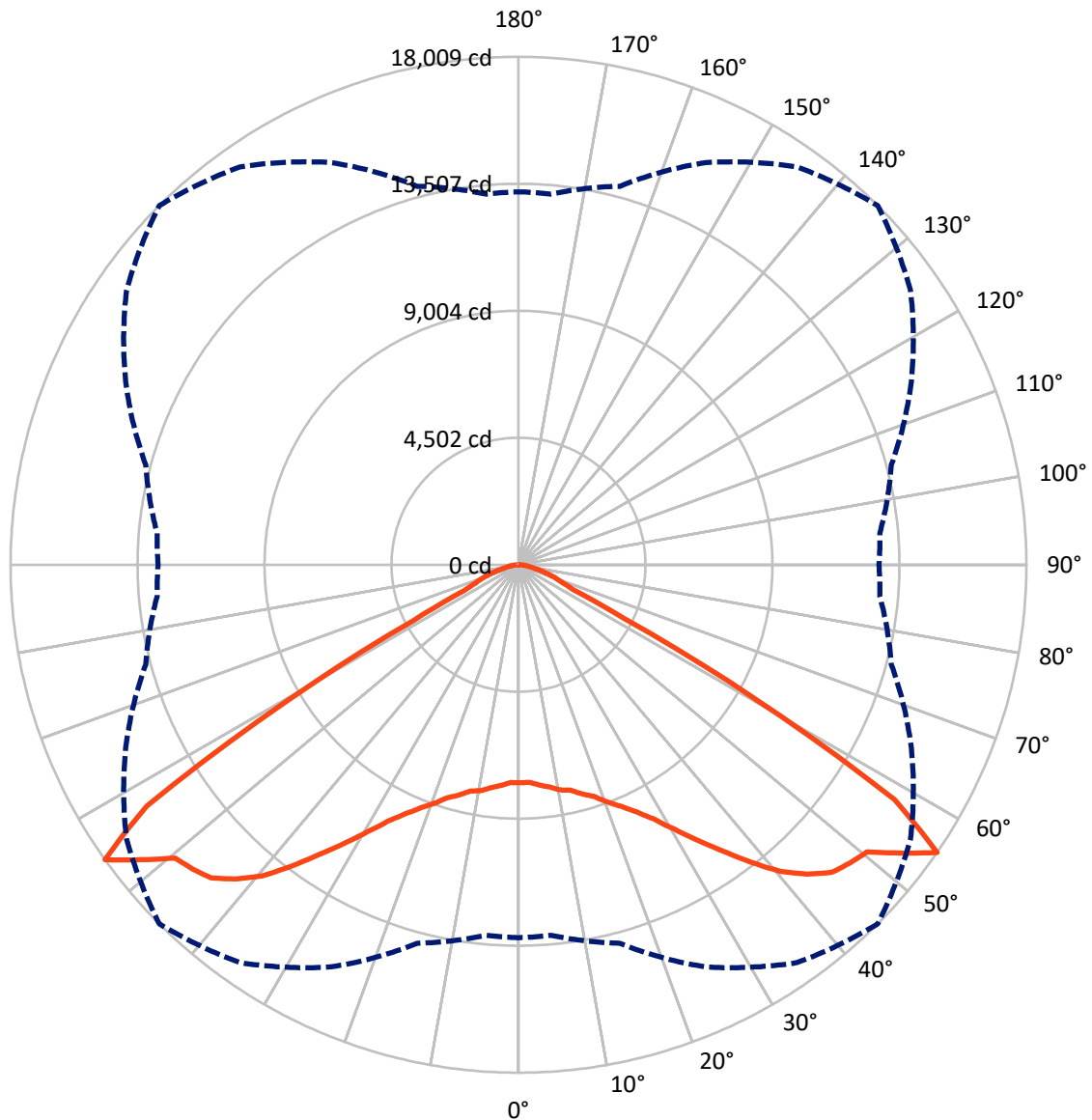
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21157.5	0.0	21157.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21157.5	0.0	21157.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42315.0	0.0	42315.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.8	1.8
10°-20°	2391.5	5.7
20°-30°	4459.4	10.5
30°-40°	7466.4	17.6
40°-50°	11618.3	27.5
50°-60°	12063.5	28.5
60°-70°	2558.3	6.0
70°-80°	842.5	2.0
80°-90°	160.5	0.4
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°	42315.0	100.0
0°-180°	42315.0	100.0

Coefficient of Utilization



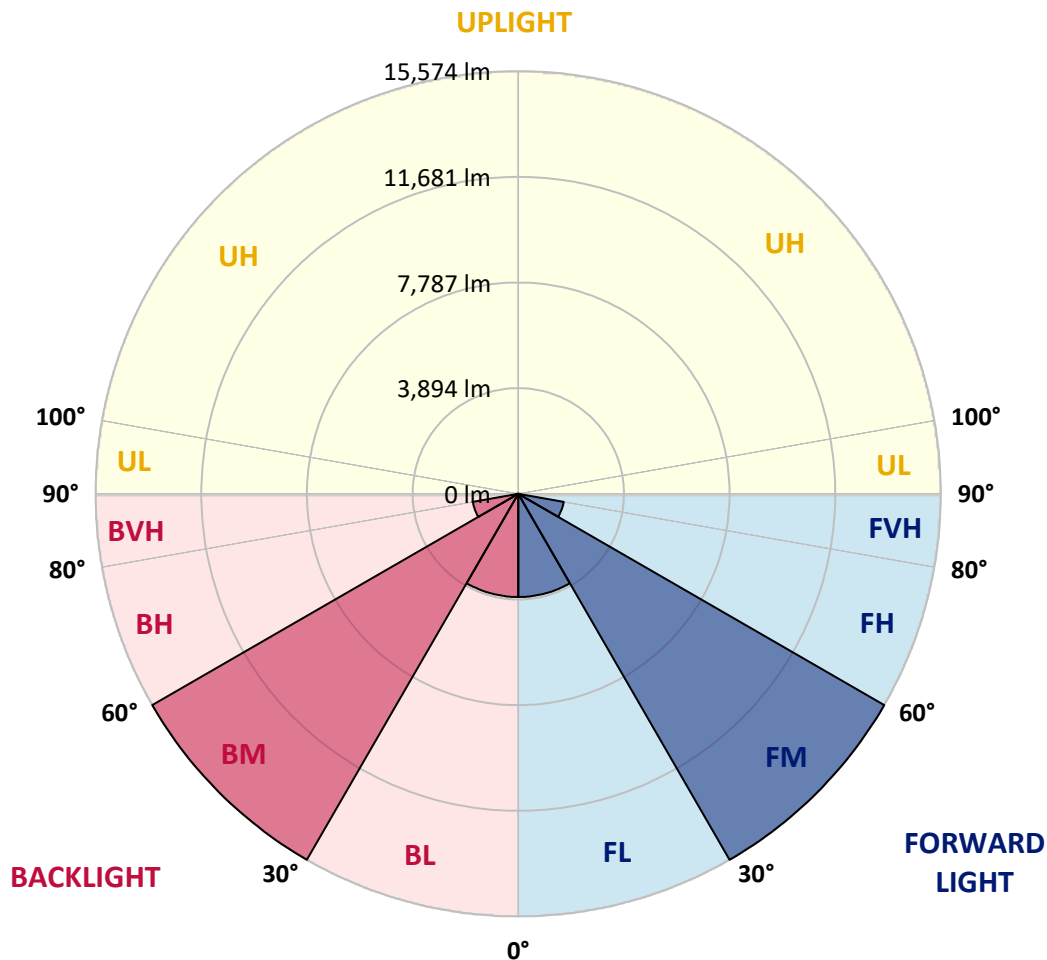
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3802.8	9.0			
FM (30°-60°)	15574.1	36.8			
FH (60°-80°)	1700.4	4.0			G1/1800
FVH (80°-90°)	80.2	0.2			G1/100
BL (0°-30°)	3802.8	9.0	B4/5000		
BM (30°-60°)	15574.1	36.8	B5		
BH (60°-80°)	1700.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	80.2	0.2			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°	7726.1	7726.1	7726.1	7726.1	7726.1	7726.1	7726.1	7726.1	7726.1	7726.1	7726.1
2.5°	7818.1	7782.3	7721.0	7767.0	7802.8	7726.1	7756.8	7772.1	7761.9	7721.0	7736.3
5°	7930.6	7910.2	7859.0	7894.8	7848.8	7848.8	7818.1	7777.2	7838.6	7828.4	7853.9
7.5°	7930.6	7905.1	8007.3	7940.8	7961.3	7961.3	7910.2	7869.3	7899.9	7853.9	7828.4
10°	8089.1	8124.9	8078.9	8094.2	8084.0	8119.8	8043.1	8017.5	7992.0	7976.6	7946.0
12.5°	8278.3	8252.8	8268.1	8257.9	8293.7	8201.6	8155.6	8099.4	8145.4	8078.9	8124.9
15°	8431.7	8416.4	8431.7	8472.6	8436.8	8431.7	8349.9	8293.7	8222.1	8237.4	8165.8
17.5°	8641.4	8626.0	8631.1	8666.9	8661.8	8636.2	8574.9	8467.5	8441.9	8401.0	8355.0
20°	8953.3	8927.7	8917.5	8932.8	8958.4	8978.8	8856.1	8815.2	8728.3	8661.8	8585.1
22.5°	9219.2	9208.9	9249.8	9183.4	9239.6	9301.0	9183.4	9162.9	8948.1	8912.4	8830.5
25°	9587.3	9572.0	9546.4	9643.5	9710.0	9704.9	9592.4	9479.9	9316.3	9275.4	9275.4
27.5°	9975.9	9889.0	10021.9	10047.5	10165.1	10200.9	10103.7	9940.1	9786.7	9699.8	9720.2
30°	10461.7	10379.9	10410.5	10594.6	10748.0	10880.9	10635.5	10395.2	10180.4	10027.0	10001.5
32.5°	10947.4	10865.6	10957.6	11136.6	11443.4	11642.8	11402.5	10983.2	10732.7	10507.7	10553.7
35°	11341.1	11402.5	11550.8	11821.8	12138.8	12460.9	12077.4	11755.3	11397.4	11146.8	11182.6
37.5°	11975.2	12164.4	12282.0	12593.9	13043.8	13376.2	12977.4	12558.1	12174.6	11847.3	11734.9
40°	12803.5	12931.4	13064.3	13432.5	13964.2	14296.6	13918.2	13371.1	12992.7	12655.2	12639.9
42.5°	13713.7	13836.4	13974.5	14424.4	14741.4	14992.0	14644.3	14352.8	13933.5	13667.7	13652.3
45°	14772.1	14685.2	14838.6	15135.2	15401.0	15564.7	15339.7	15196.5	14894.8	14649.4	14623.8
47.5°	15477.7	15401.0	15677.2	15943.0	15984.0	15805.0	15851.0	15984.0	15666.9	15263.0	15390.8
50°	15886.8	15886.8	16070.9	16316.3	16239.6	16009.5	16372.6	16382.8	16065.8	15707.8	15707.8
52.5°	15176.1	15334.6	15856.1	16658.9	16914.6	16981.0	16899.2	16551.5	15723.2	14992.0	14956.2
55°	13222.8	13187.0	13892.6	15733.4	17221.4	18008.8	16965.7	15365.3	13683.0	12859.8	12778.0
57.5°	8600.4	8641.4	9694.7	11571.2	14255.7	15723.2	13964.2	11714.4	9694.7	8559.5	8666.9
60°	3870.7	4008.8	4647.9	6048.9	8355.0	9551.5	8375.5	6355.7	4878.0	4233.8	4290.0
62.5°	2224.3	2249.8	2275.4	2699.8	3558.8	4208.2	3696.9	2853.2	2515.7	2403.2	2403.2
65°	1876.6	1861.2	1866.3	1902.1	1994.2	2127.1	2070.9	1994.2	2004.4	1994.2	1978.8
67.5°	1595.3	1615.8	1600.4	1626.0	1631.1	1651.6	1687.4	1718.0	1723.2	1733.4	1723.2
70°	1309.0	1314.1	1324.3	1344.8	1349.9	1365.2	1416.4	1441.9	1457.3	1457.3	1477.7
72.5°	1002.2	997.1	1007.3	1027.8	1053.3	1058.4	1104.5	1140.2	1160.7	1135.1	1140.2
75°	659.6	664.7	680.1	695.4	731.2	767.0	782.3	818.1	823.2	833.5	807.9
77.5°	393.7	403.9	419.3	450.0	480.6	511.3	547.1	572.7	582.9	572.7	542.0
80°	255.7	255.7	276.1	301.7	337.5	363.0	383.5	403.9	419.3	403.9	393.7
82.5°	158.5	158.5	184.1	214.8	240.3	255.7	286.3	311.9	327.2	317.0	301.7
85°	81.8	86.9	107.4	132.9	153.4	163.6	158.5	143.2	127.8	122.7	112.5
87.5°	25.6	25.6	30.7	30.7	25.6	25.6	30.7	25.6	30.7	30.7	30.7
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)