

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: P531084

Luminaire Tested: **GALN-SA6B-760-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531084
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-SA6B-760-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 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: 30392 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

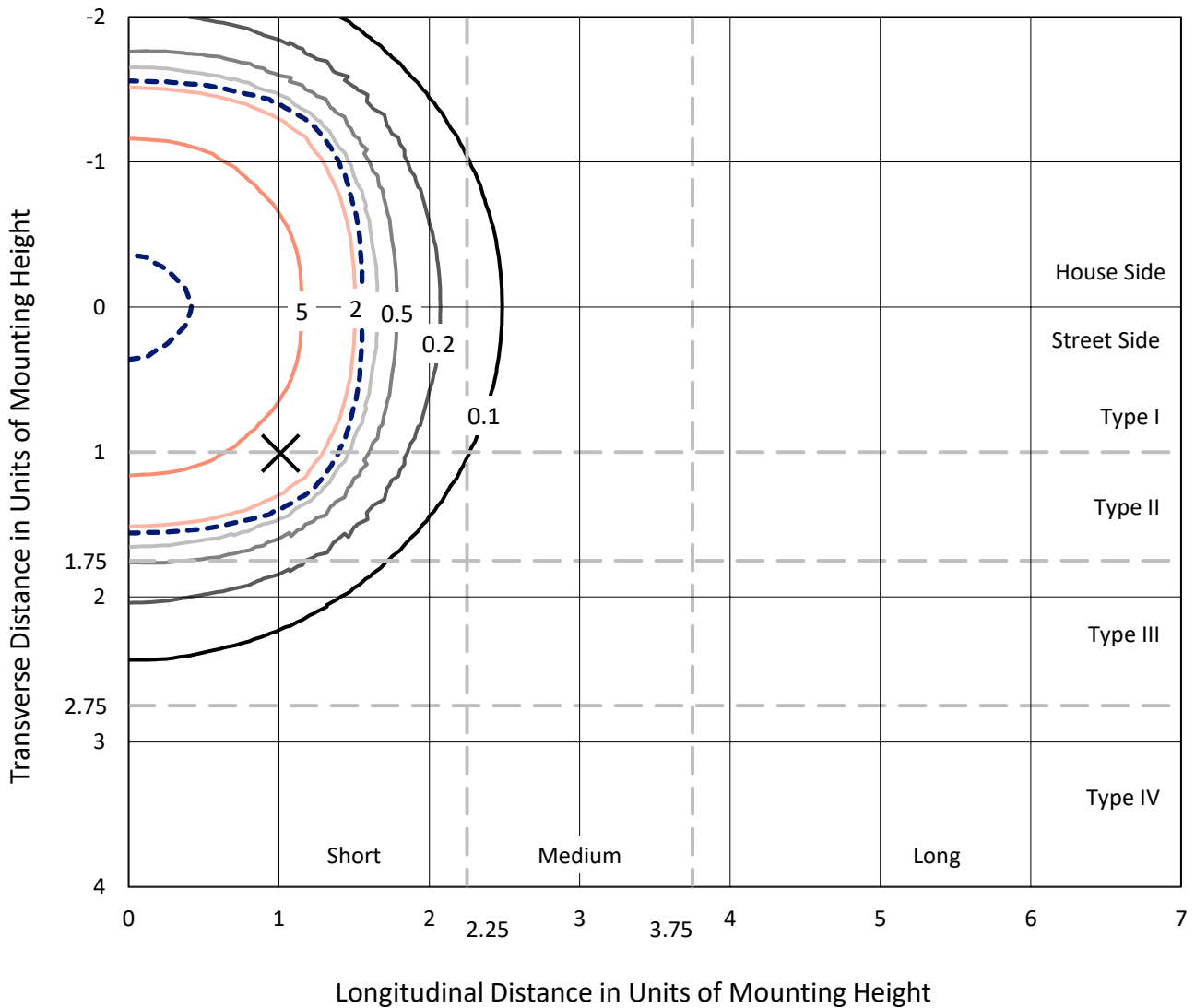
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

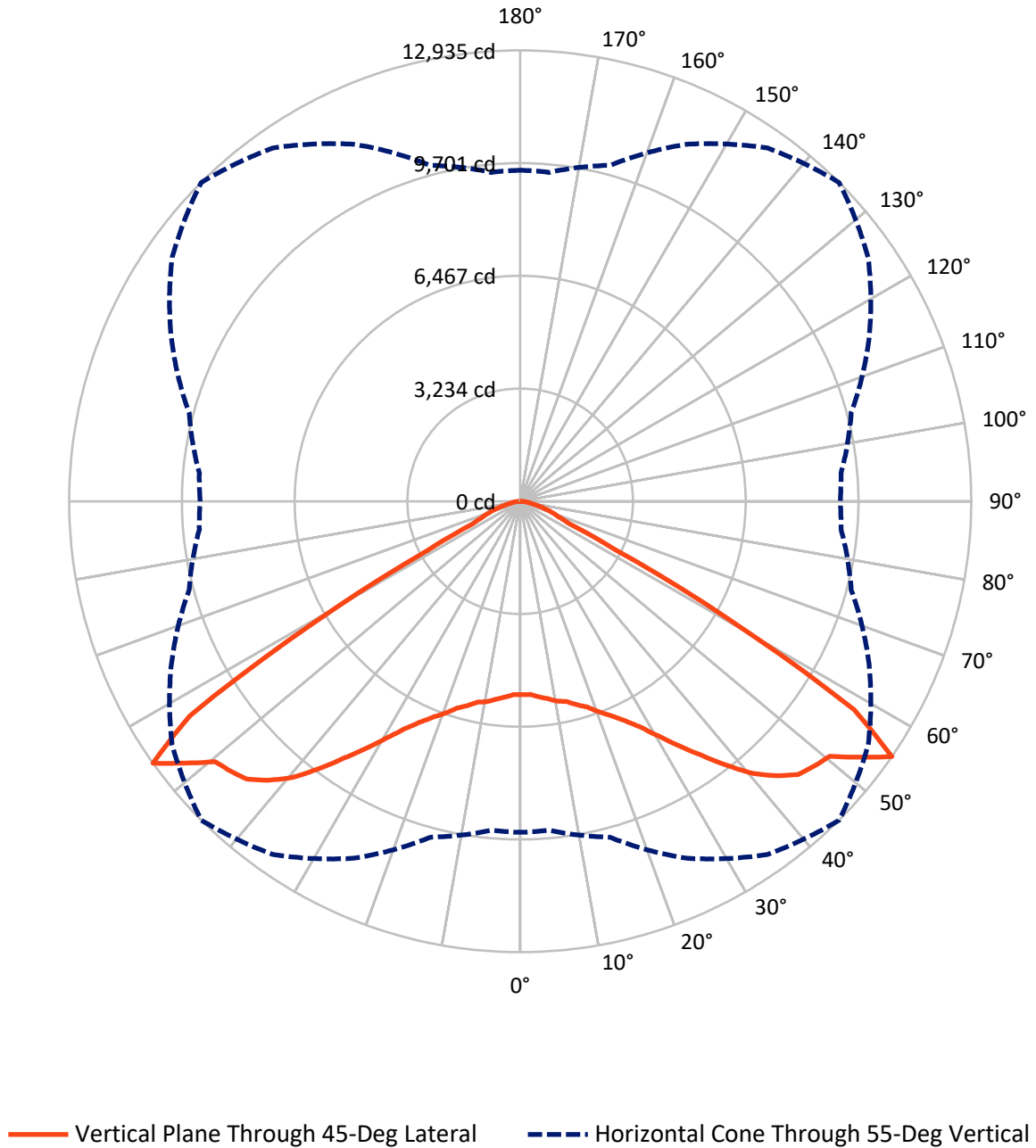
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15196.0	0.0	15196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15196.0	0.0	15196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30392.0	0.0	30392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.1	1.8
10°-20°	1717.6	5.7
20°-30°	3202.9	10.5
30°-40°	5362.6	17.6
40°-50°	8344.7	27.5
50°-60°	8664.4	28.5
60°-70°	1837.4	6.0
70°-80°	605.1	2.0
80°-90°	115.2	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°	30392.0	100.0
0°-180°	30392.0	100.0

Coefficient of Utilization



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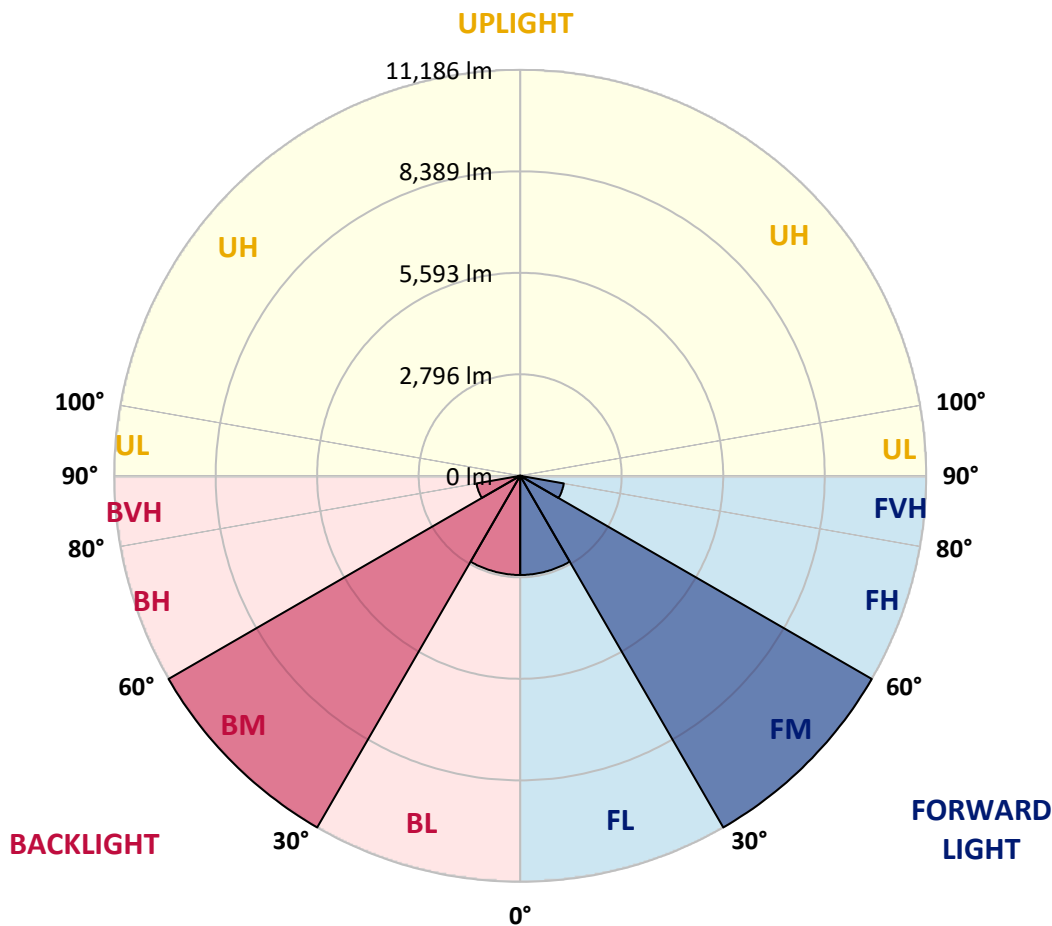
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2731.3	9.0			
FM (30°-60°)	11185.8	36.8			
FH (60°-80°)	1221.3	4.0			G1/1800
FVH (80°-90°)	57.6	0.2			G1/100
BL (0°-30°)	2731.3	9.0	B4/5000		
BM (30°-60°)	11185.8	36.8	B5		
BH (60°-80°)	1221.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	57.6	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°	5549.1	5549.1	5549.1	5549.1	5549.1	5549.1	5549.1	5549.1	5549.1	5549.1	5549.1
2.5°	5615.2	5589.5	5545.5	5578.5	5604.2	5549.1	5571.2	5582.2	5574.8	5545.5	5556.5
5°	5696.0	5681.3	5644.6	5670.3	5637.3	5637.3	5615.2	5585.9	5629.9	5622.6	5640.9
7.5°	5696.0	5677.7	5751.1	5703.4	5718.1	5718.1	5681.3	5652.0	5674.0	5640.9	5622.6
10°	5809.9	5835.6	5802.5	5813.5	5806.2	5831.9	5776.8	5758.5	5740.1	5729.1	5707.0
12.5°	5945.8	5927.4	5938.4	5931.1	5956.8	5890.7	5857.6	5817.2	5850.3	5802.5	5835.6
15°	6055.9	6044.9	6055.9	6085.3	6059.6	6055.9	5997.2	5956.8	5905.4	5916.4	5865.0
17.5°	6206.5	6195.5	6199.2	6224.9	6221.2	6202.8	6158.8	6081.6	6063.3	6033.9	6000.8
20°	6430.5	6412.2	6404.8	6415.8	6434.2	6448.9	6360.7	6331.4	6268.9	6221.2	6166.1
22.5°	6621.5	6614.1	6643.5	6595.8	6636.2	6680.3	6595.8	6581.1	6426.8	6401.1	6342.4
25°	6885.9	6874.9	6856.5	6926.3	6974.1	6970.4	6889.6	6808.8	6691.3	6661.9	6661.9
27.5°	7165.0	7102.6	7198.1	7216.4	7300.9	7326.6	7256.8	7139.3	7029.1	6966.7	6981.4
30°	7513.9	7455.1	7477.2	7609.4	7719.6	7815.0	7638.8	7466.2	7311.9	7201.7	7183.4
32.5°	7862.8	7804.0	7870.1	7998.7	8219.0	8362.2	8189.6	7888.5	7708.5	7547.0	7580.0
35°	8145.6	8189.6	8296.1	8490.8	8718.5	8949.8	8674.4	8443.0	8186.0	8006.0	8031.7
37.5°	8601.0	8736.8	8821.3	9045.3	9368.5	9607.2	9320.8	9019.6	8744.2	8509.1	8428.4
40°	9195.9	9287.7	9383.2	9647.6	10029.6	10268.3	9996.5	9603.6	9331.8	9089.4	9078.4
42.5°	9849.6	9937.7	10036.9	10360.1	10587.8	10767.7	10518.0	10308.7	10007.5	9816.6	9805.5
45°	10609.8	10547.4	10657.6	10870.6	11061.5	11179.0	11017.5	10914.6	10698.0	10521.7	10503.3
47.5°	11116.6	11061.5	11259.8	11450.8	11480.2	11351.7	11384.7	11480.2	11252.5	10962.4	11054.2
50°	11410.4	11410.4	11542.6	11718.9	11663.8	11498.6	11759.3	11766.6	11539.0	11281.9	11281.9
52.5°	10899.9	11013.8	11388.4	11965.0	12148.6	12196.3	12137.6	11887.8	11292.9	10767.7	10742.0
55°	9497.0	9471.3	9978.1	11300.2	12368.9	12934.5	12185.3	11035.8	9827.6	9236.3	9177.5
57.5°	6177.1	6206.5	6963.0	8310.8	10238.9	11292.9	10029.6	8413.7	6963.0	6147.7	6224.9
60°	2780.1	2879.2	3338.3	4344.6	6000.8	6860.2	6015.5	4564.9	3503.6	3040.8	3081.2
62.5°	1597.5	1615.9	1634.3	1939.1	2556.1	3022.5	2655.2	2049.2	1806.9	1726.1	1726.1
65°	1347.8	1336.8	1340.5	1366.2	1432.3	1527.8	1487.4	1432.3	1439.6	1432.3	1421.3
67.5°	1145.8	1160.5	1149.5	1167.9	1171.5	1186.2	1211.9	1234.0	1237.6	1245.0	1237.6
70°	940.2	943.8	951.2	965.9	969.5	980.6	1017.3	1035.6	1046.7	1046.7	1061.3
72.5°	719.8	716.1	723.5	738.2	756.5	760.2	793.3	819.0	833.7	815.3	819.0
75°	473.8	477.4	488.4	499.5	525.2	550.9	561.9	587.6	591.3	598.6	580.3
77.5°	282.8	290.1	301.1	323.2	345.2	367.2	393.0	411.3	418.7	411.3	389.3
80°	183.6	183.6	198.3	216.7	242.4	260.7	275.4	290.1	301.1	290.1	282.8
82.5°	113.8	113.8	132.2	154.2	172.6	183.6	205.7	224.0	235.0	227.7	216.7
85°	58.8	62.4	77.1	95.5	110.2	117.5	113.8	102.8	91.8	88.1	80.8
87.5°	18.4	18.4	22.0	22.0	18.4	18.4	22.0	18.4	22.0	22.0	22.0
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)