

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: P530336

Luminaire Tested: **GALN-SA5C-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30850 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

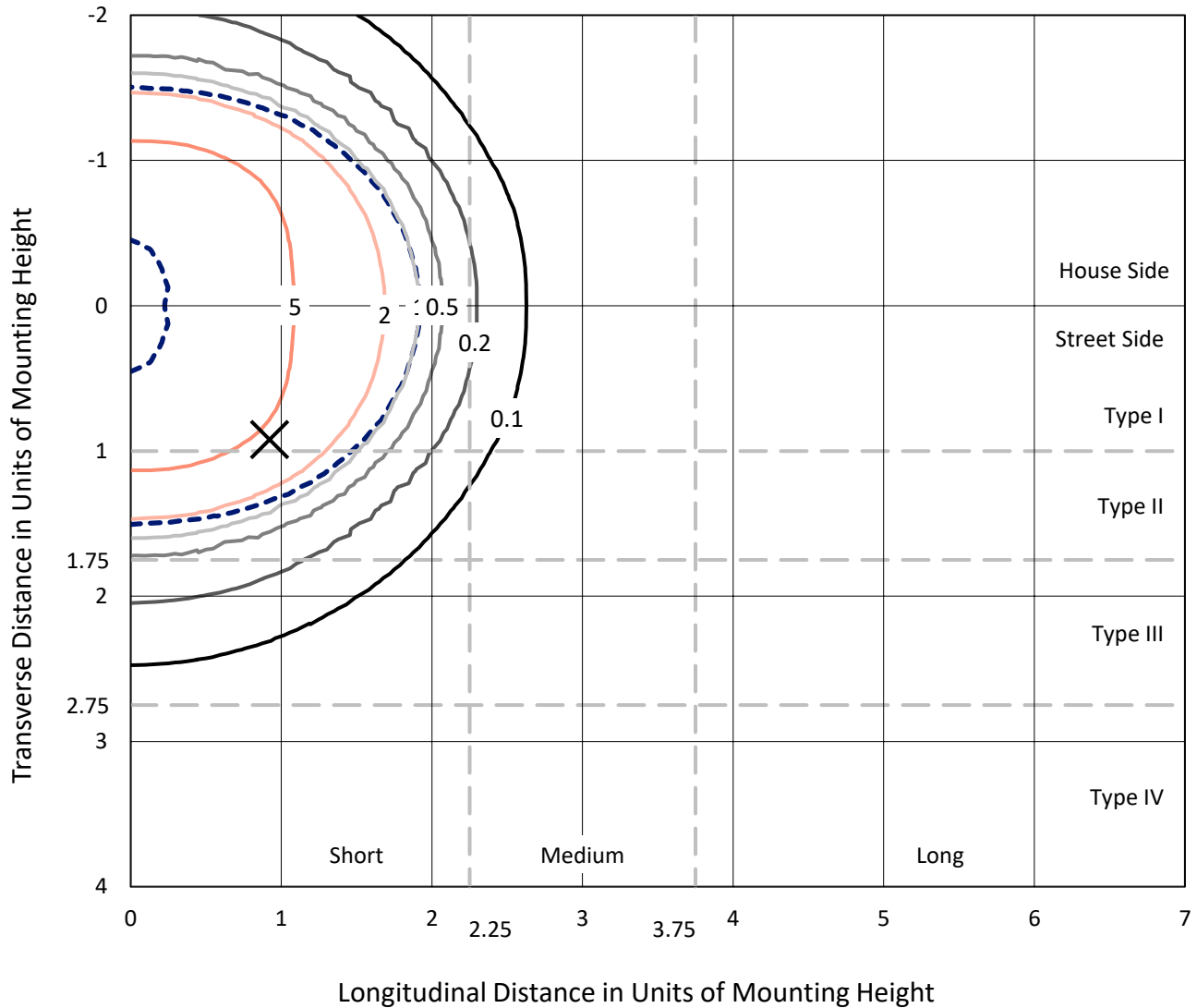
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

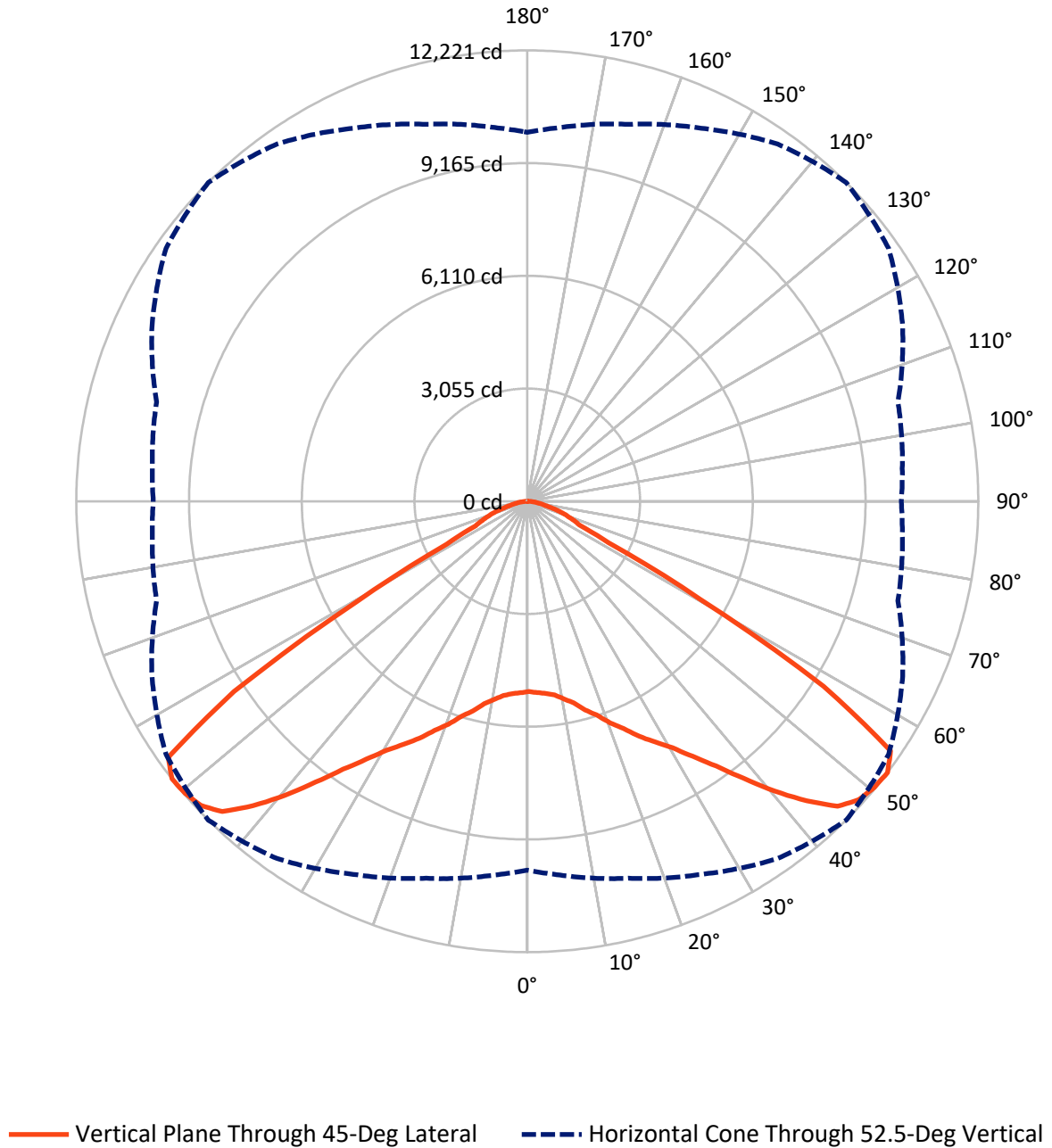
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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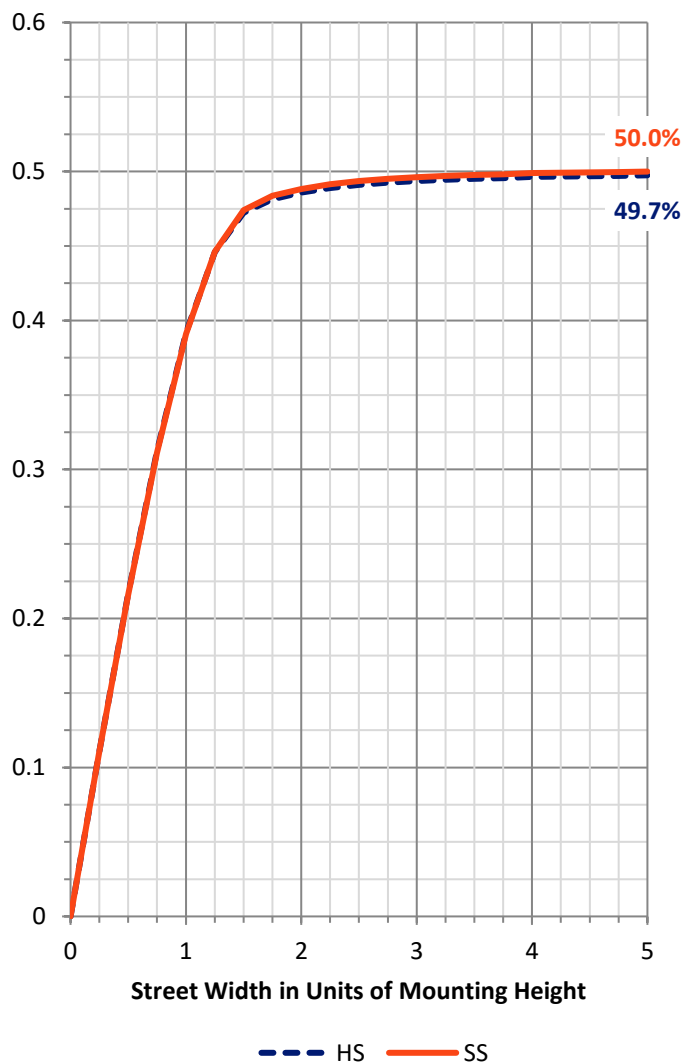
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15425.0	0.0	15425.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15425.0	0.0	15425.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30850.0	0.0	30850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.7	1.6
10°-20°	1664.8	5.4
20°-30°	3169.6	10.3
30°-40°	5442.5	17.6
40°-50°	8365.2	27.1
50°-60°	8494.8	27.5
60°-70°	2367.4	7.7
70°-80°	698.3	2.3
80°-90°	140.7	0.5
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°	30850.0	100.0
0°-180°	30850.0	100.0

Coefficient of Utilization

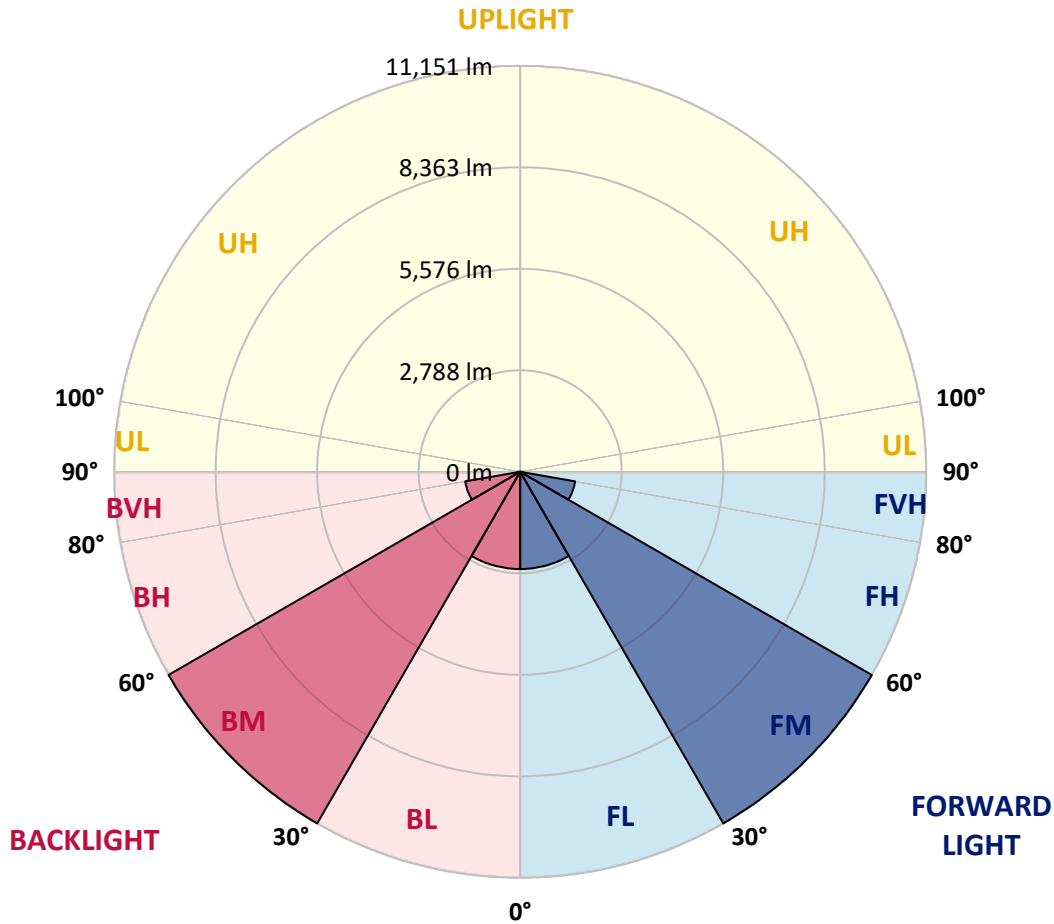


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2670.6	8.7			
FM (30°-60°)	11151.2	36.1			
FH (60°-80°)	1532.9	5.0			G1/1800
FVH (80°-90°)	70.3	0.2			G1/100
BL (0°-30°)	2670.6	8.7	B4/5000		
BM (30°-60°)	11151.2	36.1	B5		
BH (60°-80°)	1532.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	70.3	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°	5157.0	5157.0	5157.0	5157.0	5157.0	5157.0	5157.0	5157.0	5157.0	5157.0	5157.0
2.5°	5168.5	5114.9	5134.0	5145.5	5195.3	5191.4	5180.0	5195.3	5210.6	5214.4	5206.8
5°	5164.6	5126.4	5141.7	5153.2	5202.9	5229.7	5222.1	5287.2	5333.1	5321.6	5379.0
7.5°	5134.0	5157.0	5137.8	5195.3	5237.4	5302.5	5371.4	5432.6	5490.1	5555.1	5566.6
10°	5202.9	5202.9	5237.4	5283.3	5394.4	5444.1	5543.7	5631.7	5742.7	5819.3	5788.7
12.5°	5275.7	5287.2	5287.2	5405.8	5497.7	5608.7	5700.6	5819.3	5976.3	6068.2	6114.1
15°	5348.4	5356.1	5394.4	5555.1	5693.0	5869.1	5953.3	6060.5	6148.6	6320.8	6324.7
17.5°	5413.5	5455.6	5570.5	5750.4	5922.7	6091.1	6225.1	6336.2	6412.7	6481.6	6466.3
20°	5658.5	5689.1	5807.8	5987.8	6244.3	6408.9	6454.8	6474.0	6523.8	6661.6	6619.5
22.5°	5895.9	5907.4	6018.4	6294.0	6474.0	6692.2	6742.0	6730.5	6749.6	6784.1	6845.4
25°	6140.9	6160.0	6313.2	6546.7	6799.4	7059.7	7101.9	7013.8	6987.0	7025.3	7029.1
27.5°	6454.8	6458.7	6653.9	6856.8	7144.0	7389.0	7454.1	7385.2	7258.8	7289.5	7339.2
30°	6853.0	6826.2	7021.5	7312.4	7614.9	7752.7	7863.7	7829.3	7691.4	7664.6	7622.5
32.5°	7312.4	7320.1	7496.2	7814.0	8013.0	8242.8	8361.4	8304.0	8216.0	8170.0	8196.8
35°	7959.4	7993.9	8112.6	8376.7	8698.3	8813.2	9000.8	8878.3	8648.6	8706.0	8755.8
37.5°	8491.6	8591.1	8813.2	9127.1	9318.6	9529.1	9598.0	9433.4	9265.0	9196.0	9360.7
40°	9307.1	9276.4	9521.5	9835.4	10118.7	10329.3	10241.2	10076.6	9659.3	9663.1	9709.1
42.5°	10007.7	10023.0	10210.6	10585.8	10972.5	11102.6	10823.2	10421.2	9957.9	9908.1	10007.7
45°	10597.3	10658.5	10765.7	11267.3	11646.3	11787.9	11271.1	10796.4	10176.1	9969.4	10134.0
47.5°	10807.8	10907.4	11140.9	11600.3	11975.5	12090.4	11676.9	10995.4	10379.1	10042.1	10130.2
50°	10838.5	10804.0	11186.9	11608.0	11937.3	12186.1	11822.4	11140.9	10329.3	10153.2	10126.4
52.5°	10000.0	10168.5	10578.1	11156.2	11822.4	12220.6	11952.6	11221.3	10398.2	10199.1	10134.0
55°	8093.4	7894.4	8640.9	9613.4	10838.5	11944.9	11906.6	11263.4	10440.3	10275.7	10187.6
57.5°	4517.6	4575.1	4996.2	6052.9	7634.0	9471.7	10585.8	10819.3	10421.2	10325.5	10371.4
60°	2090.4	2109.5	2289.4	2783.3	3763.4	5371.4	6837.7	8327.0	9012.3	9150.1	9150.1
62.5°	1558.2	1550.5	1596.5	1684.5	1891.3	2469.4	3296.3	4479.3	5421.2	6079.7	6251.9
65°	1408.9	1405.1	1428.0	1458.7	1474.0	1554.4	1738.1	2101.8	2408.1	2584.2	2553.6
67.5°	1232.8	1228.9	1236.6	1255.7	1282.5	1324.7	1370.6	1447.2	1554.4	1546.7	1527.6
70°	995.4	995.4	1006.9	1022.2	1052.8	1102.6	1156.2	1209.8	1301.7	1320.8	1317.0
72.5°	735.1	723.6	746.6	777.2	807.8	869.1	926.5	976.3	1041.4	1060.5	1052.8
75°	467.1	474.7	490.0	524.5	578.1	620.2	681.5	723.6	765.7	781.0	784.8
77.5°	260.3	268.0	294.8	336.9	390.5	436.4	490.0	524.5	551.3	555.1	559.0
80°	157.0	160.8	187.6	225.9	271.8	321.6	363.7	398.2	421.1	409.6	405.8
82.5°	95.7	99.5	122.5	157.0	195.3	233.5	279.5	310.1	333.1	317.8	302.5
85°	49.8	53.6	72.7	95.7	126.3	145.5	145.5	130.2	126.3	118.7	114.9
87.5°	15.3	15.3	19.1	23.0	19.1	23.0	26.8	30.6	30.6	34.5	30.6
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)