

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: P453483

Luminaire Tested: **GALN-SA4C-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4C-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25284 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

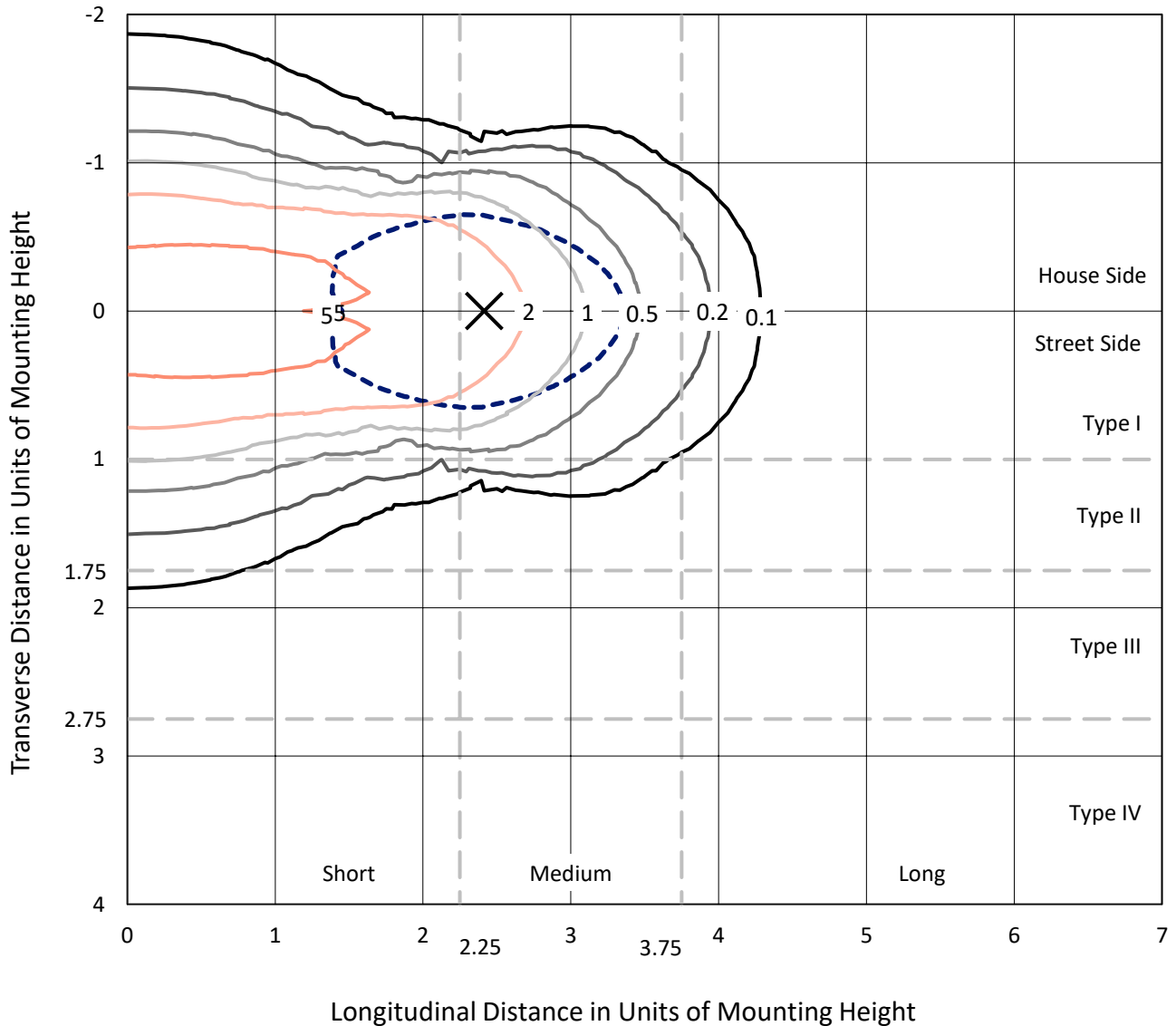
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

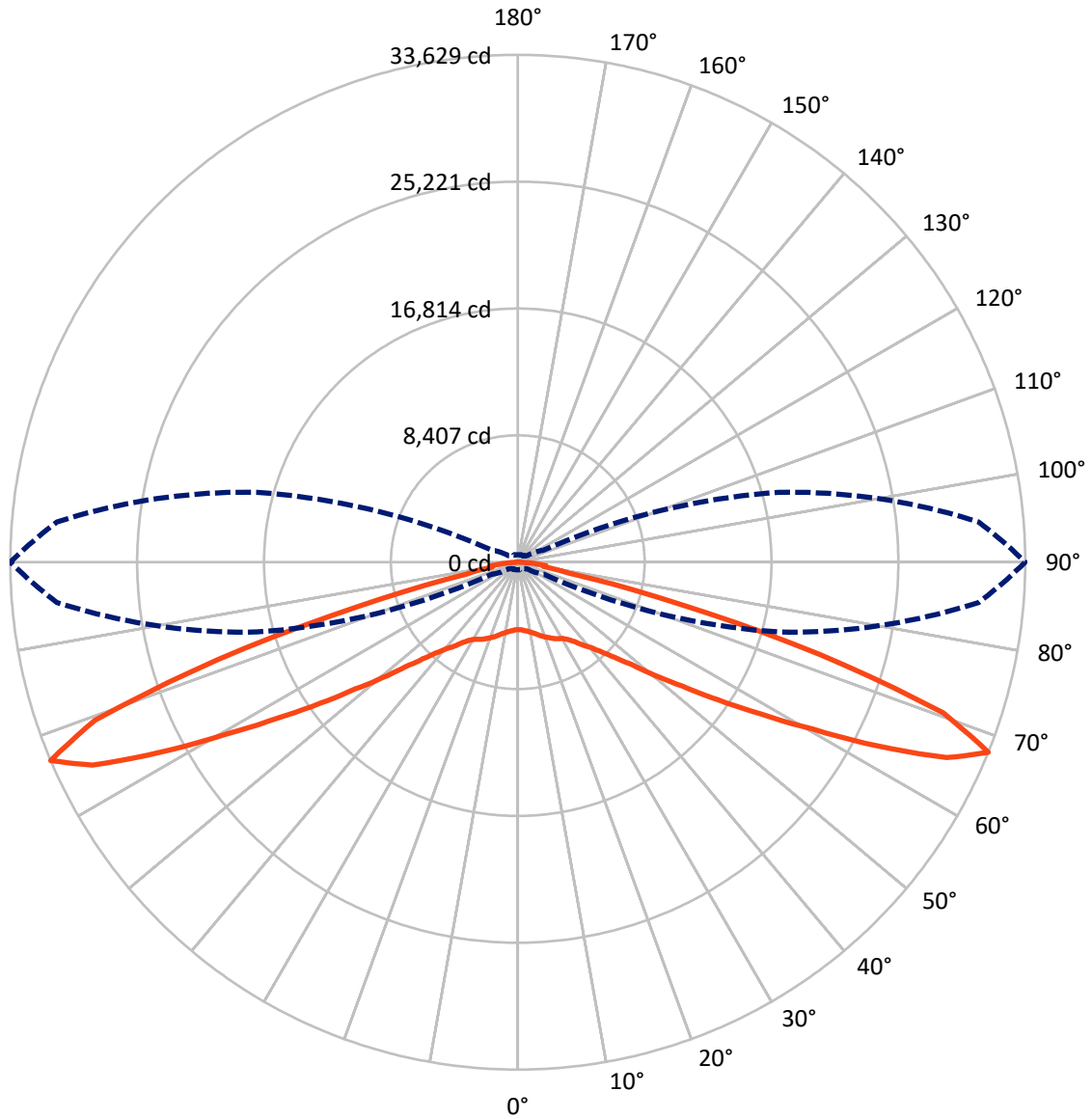
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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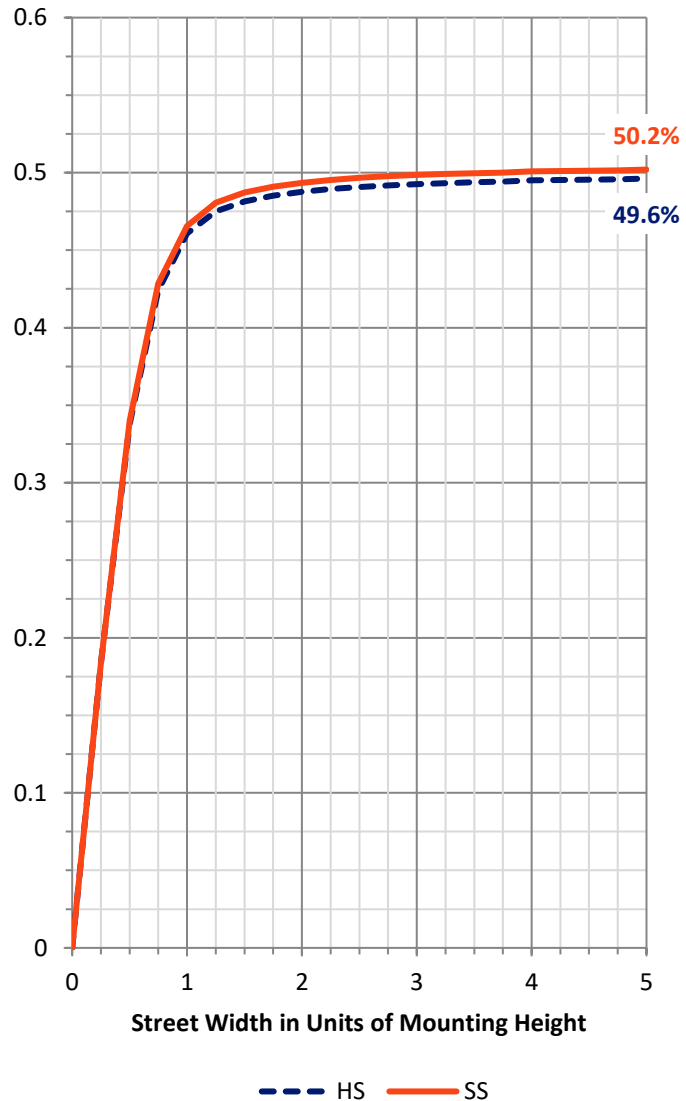
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12642.0	0.0	12642.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12642.0	0.0	12642.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25284.0	0.0	25284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.3	1.8
10°-20°	1427.8	5.6
20°-30°	2389.8	9.5
30°-40°	3237.5	12.8
40°-50°	4100.8	16.2
50°-60°	5123.0	20.3
60°-70°	6021.8	23.8
70°-80°	2303.6	9.1
80°-90°	233.4	0.9
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°	25284.0	100.0
0°-180°	25284.0	100.0

Coefficient of Utilization

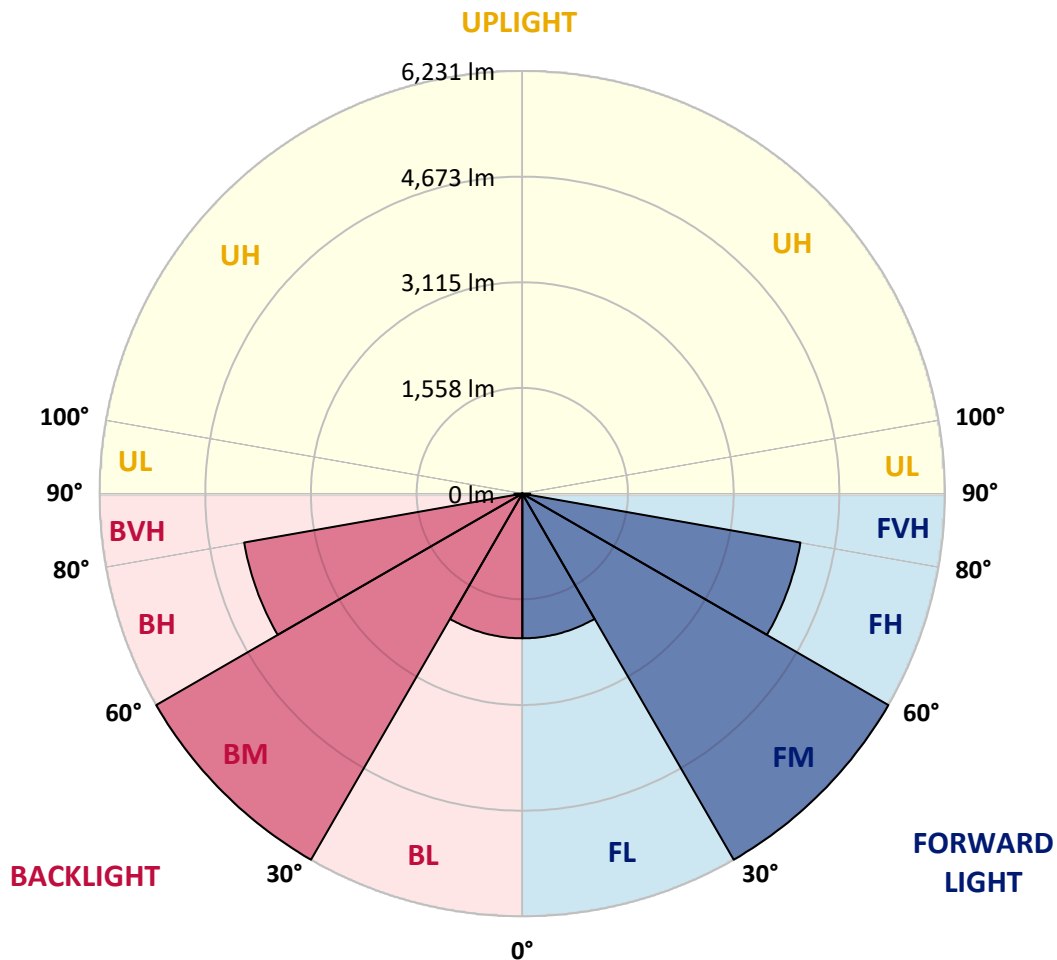


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2131.9	8.4			
FM (30°-60°)	6230.7	24.6			
FH (60°-80°)	4162.7	16.5			G2/5000
FVH (80°-90°)	116.7	0.5			G2/225
BL (0°-30°)	2131.9	8.4	B3/2500		
BM (30°-60°)	6230.7	24.6	B4/8500		
BH (60°-80°)	4162.7	16.5	B4/5000		G4/5000
BVH (80°-90°)	116.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4476.1	4476.1	4476.1	4476.1	4476.1	4476.1	4476.1	4476.1	4476.1	4476.1	4476.1
2.5°	4533.5	4530.7	4532.1	4530.7	4534.9	4532.1	4515.3	4501.3	4490.1	4491.5	4487.3
5°	4630.1	4631.5	4632.9	4625.9	4635.7	4630.1	4603.5	4581.1	4558.7	4550.3	4547.5
7.5°	4709.9	4716.9	4721.1	4728.1	4744.9	4744.9	4730.9	4698.7	4649.7	4621.7	4620.3
10°	4789.7	4795.3	4807.9	4830.3	4858.3	4884.9	4879.3	4835.9	4772.9	4725.3	4714.1
12.5°	4817.7	4824.7	4866.7	4931.1	4994.1	5045.9	5045.9	5010.9	4929.7	4856.9	4835.9
15°	4719.7	4732.3	4807.9	4945.1	5110.3	5223.7	5248.9	5199.9	5113.1	5001.1	4975.9
17.5°	4525.1	4555.9	4666.5	4869.5	5143.9	5379.1	5451.9	5428.1	5316.1	5173.3	5143.9
20°	4316.4	4350.0	4467.7	4736.5	5115.9	5470.1	5681.5	5687.1	5548.5	5341.3	5297.9
22.5°	4086.8	4112.0	4263.2	4578.3	5031.9	5491.1	5878.9	5975.5	5787.9	5509.3	5447.7
25°	3829.2	3857.2	4015.4	4355.6	4873.7	5467.3	6059.5	6272.4	6038.5	5688.5	5610.1
27.5°	3582.8	3594.0	3763.4	4109.2	4665.1	5405.7	6192.6	6545.4	6315.8	5836.9	5737.5
30°	3346.2	3372.8	3522.6	3864.2	4425.7	5285.3	6307.4	6856.2	6614.0	5992.3	5864.9
32.5°	3095.6	3127.8	3290.2	3636.0	4186.2	5104.7	6377.4	7196.4	7029.8	6244.4	6108.5
35°	2854.8	2875.8	3039.6	3375.6	3952.4	4894.7	6390.0	7580.0	7566.0	6626.6	6446.0
37.5°	2608.3	2639.2	2804.4	3126.4	3704.6	4672.1	6327.0	7987.5	8212.9	7157.2	6962.6
40°	2371.7	2398.3	2560.7	2885.6	3423.2	4400.5	6177.2	8359.9	8967.5	7703.2	7427.4
42.5°	2114.1	2121.1	2298.9	2629.3	3147.4	4085.4	5961.5	8691.7	9809.0	8435.5	8092.5
45°	1821.5	1839.7	2004.9	2329.7	2831.0	3732.6	5668.9	8966.1	10875.8	9450.5	8982.9
47.5°	1528.9	1544.3	1695.5	2016.1	2485.1	3328.0	5218.1	9206.9	11970.7	10740.0	10126.8
50°	1243.3	1251.7	1374.9	1659.1	2095.9	2902.4	4659.5	9283.9	13208.4	12565.7	11783.1
52.5°	982.9	995.5	1089.3	1311.9	1680.1	2399.7	4056.0	9093.5	14653.2	14730.2	13627.0
55°	796.6	800.8	870.8	1034.7	1313.3	1873.3	3328.0	8562.9	16207.3	17503.8	16096.7
57.5°	686.0	688.8	728.0	819.0	1010.9	1412.7	2581.7	7559.0	17603.2	20753.4	18944.5
60°	623.0	624.4	646.8	700.0	800.8	1083.7	1849.5	6142.2	18980.9	24369.8	22483.9
62.5°	583.8	583.8	599.2	628.6	677.6	831.6	1339.9	4431.3	19924.5	28039.4	26846.5
65°	546.0	546.0	557.2	578.2	604.8	680.4	989.9	2889.8	19900.7	30712.2	31234.4
67.5°	502.6	502.6	511.0	532.0	547.4	585.2	764.4	1892.9	17876.2	30653.3	33628.5
70°	450.8	450.8	462.0	480.2	492.8	516.6	603.4	1295.1	13132.7	26173.1	29907.1
72.5°	399.0	400.4	407.4	425.6	435.4	449.4	501.2	907.3	8056.1	17821.6	20911.6
75°	341.6	344.4	351.4	369.6	378.0	383.6	422.8	646.8	4075.6	9608.7	10940.2
77.5°	275.8	281.4	285.6	305.2	310.8	319.2	348.6	467.6	1789.3	3452.6	3483.4
80°	201.6	208.6	221.2	239.4	243.6	249.2	266.0	331.8	810.6	1576.5	1712.3
82.5°	148.4	158.2	142.8	166.6	166.6	159.6	187.6	222.6	372.4	1561.1	1867.7
85°	81.2	82.6	74.2	85.4	91.0	89.6	99.4	109.2	180.6	1041.7	1073.9
87.5°	19.6	21.0	22.4	26.6	32.2	32.2	35.0	30.8	58.8	337.4	193.2
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)