

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: P534027

Luminaire Tested: **GALN-SA9C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37511 lumens
Efficiency: N/A
Efficacy: 78.0 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

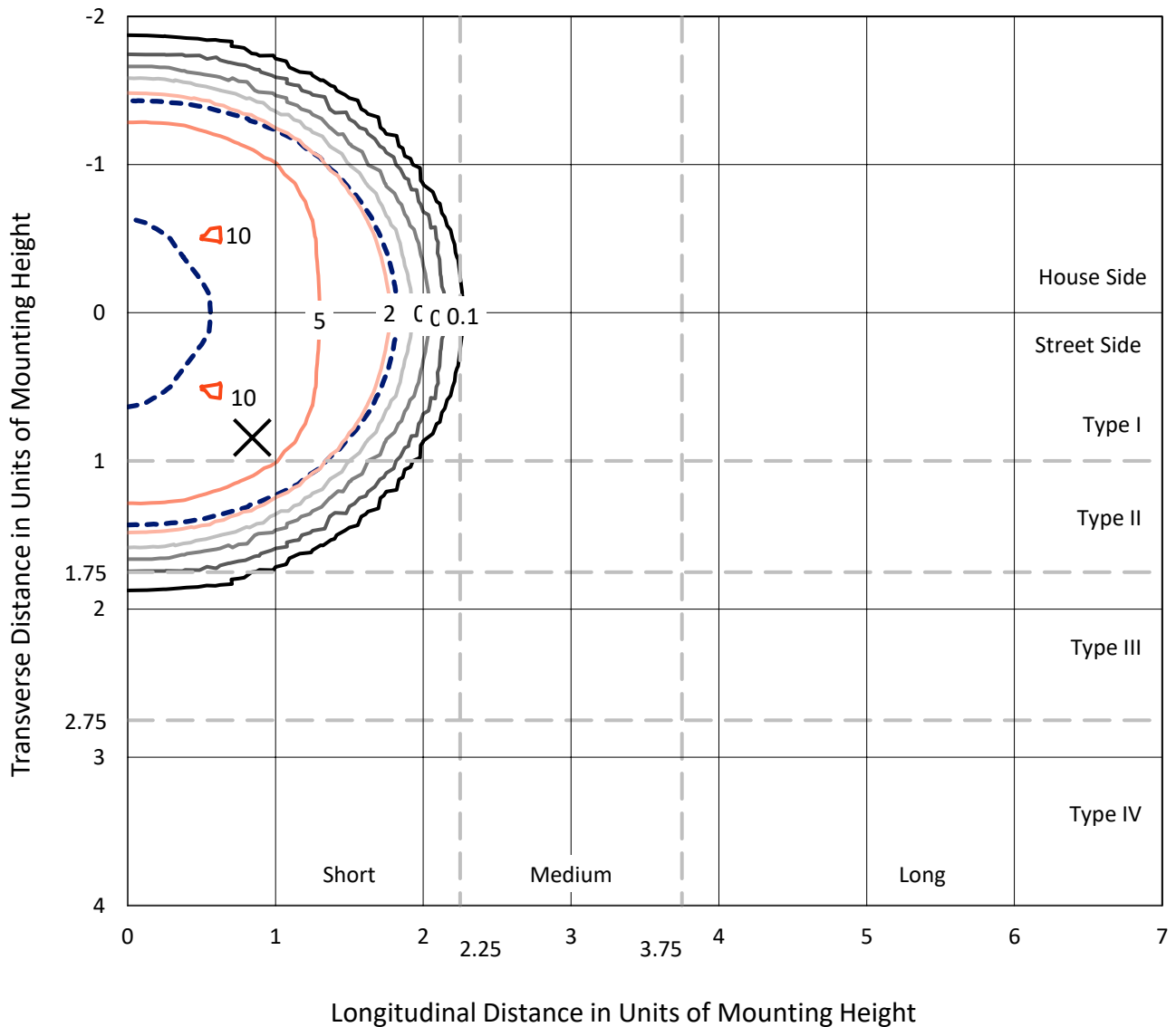
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

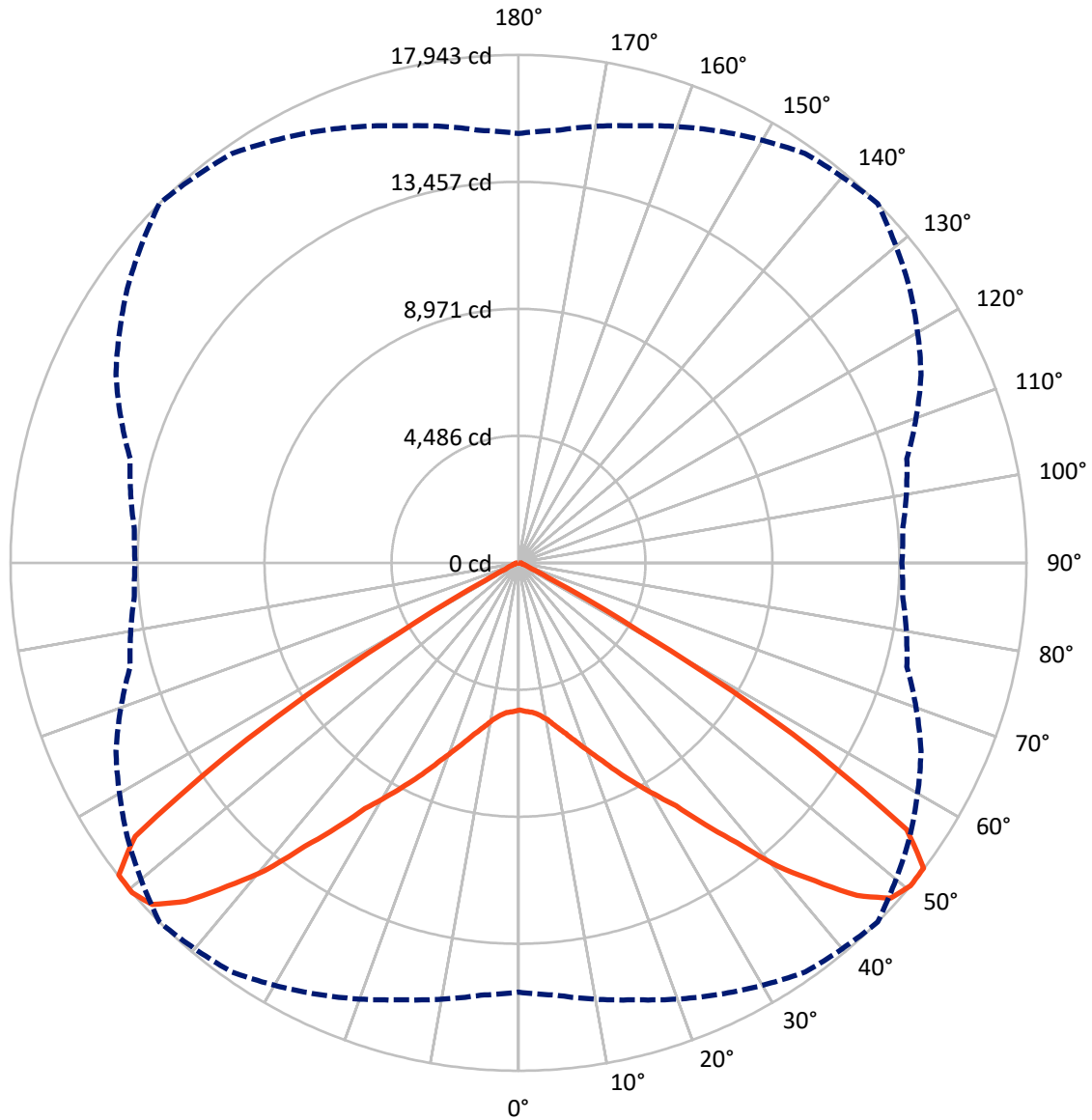
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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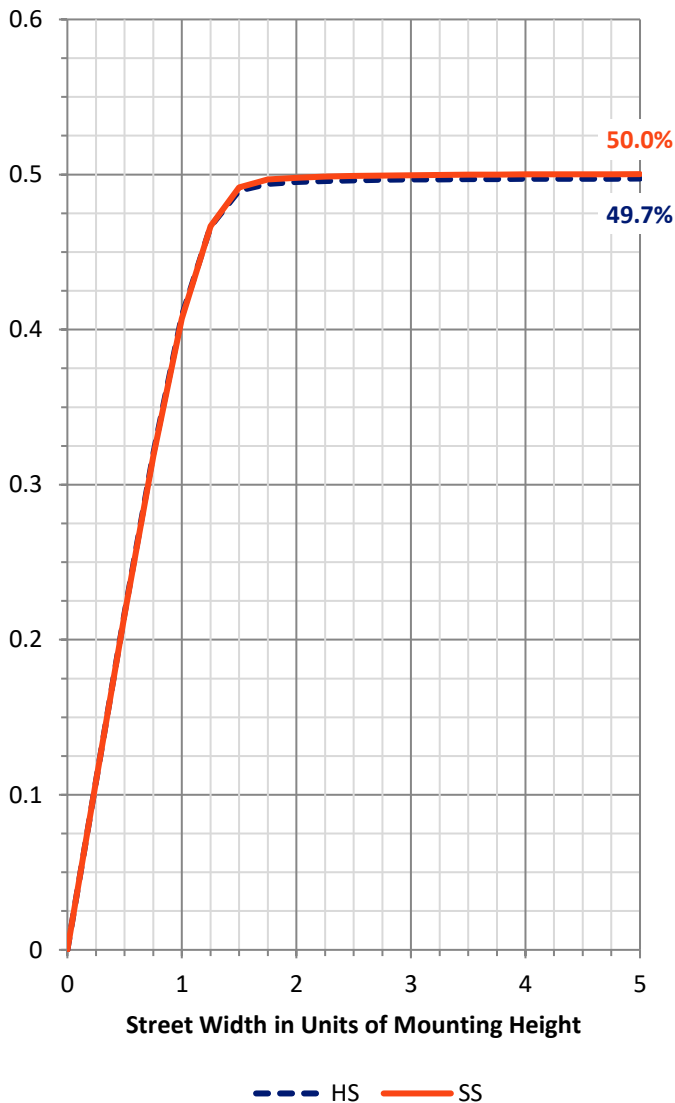
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18755.5	0.0	18755.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18755.5	0.0	18755.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37511.0	0.0	37511.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.4	1.4
10°-20°	1783.2	4.8
20°-30°	3641.9	9.7
30°-40°	6945.1	18.5
40°-50°	11703.5	31.2
50°-60°	11161.4	29.8
60°-70°	1558.1	4.2
70°-80°	149.0	0.4
80°-90°	51.5	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°	37511.0	100.0
0°-180°	37511.0	100.0

Coefficient of Utilization



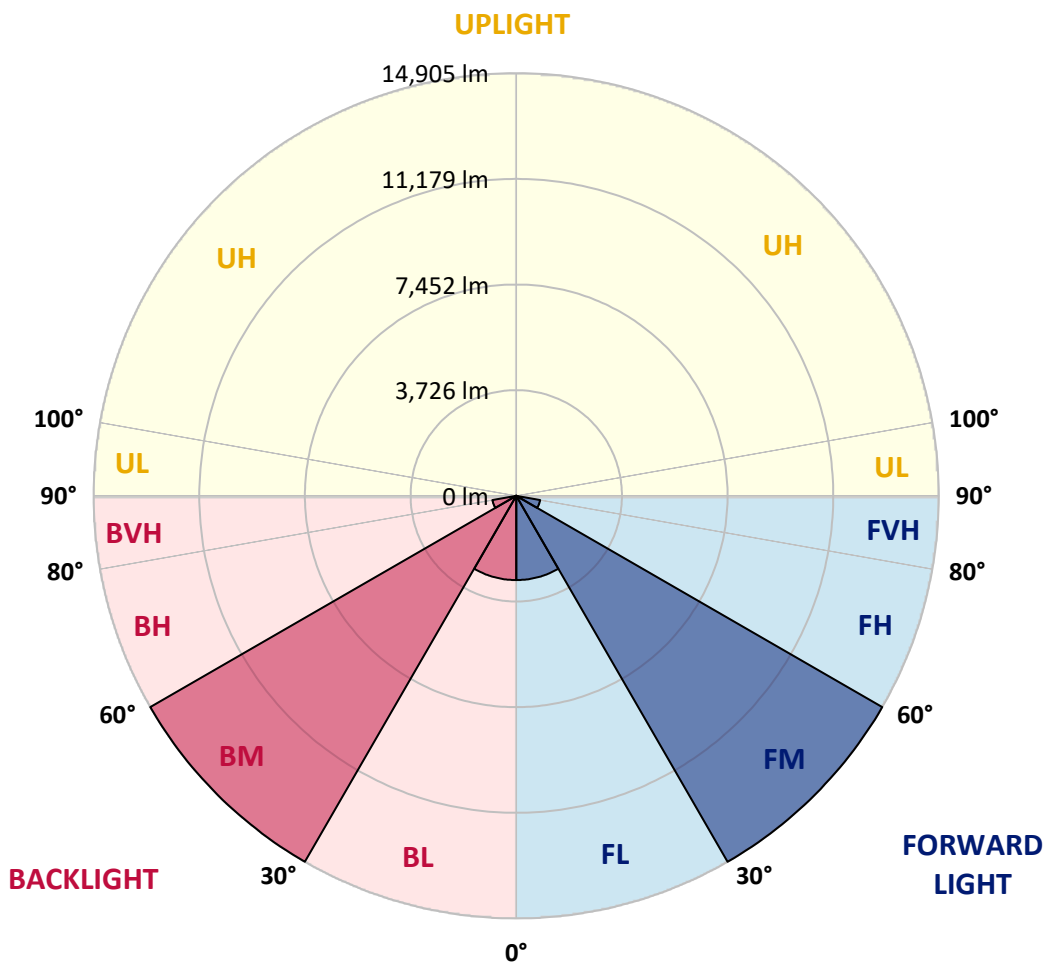
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2971.2	7.9			
FM (30°-60°)	14905.0	39.7			
FH (60°-80°)	853.5	2.3			G1/1800
FVH (80°-90°)	25.7	0.1			G1/100
BL (0°-30°)	2971.2	7.9	B4/5000		
BM (30°-60°)	14905.0	39.7	B5		
BH (60°-80°)	853.5	2.3	B2/1000		G1/1800
BVH (80°-90°)	25.7	0.1			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°	5200.5	5200.5	5200.5	5200.5	5200.5	5200.5	5200.5	5200.5	5200.5	5200.5	5200.5
2.5°	5181.6	5181.6	5175.2	5225.7	5200.5	5257.3	5251.0	5269.9	5288.8	5282.5	5333.0
5°	5137.4	5131.1	5131.1	5187.9	5244.7	5307.8	5364.6	5402.4	5465.6	5465.6	5528.7
7.5°	5181.6	5150.0	5194.2	5219.4	5326.7	5434.0	5528.7	5604.4	5749.6	5800.1	5781.1
10°	5194.2	5232.0	5263.6	5339.3	5471.9	5636.0	5718.0	5907.3	6071.4	6185.0	6210.3
12.5°	5276.2	5333.0	5421.4	5604.4	5724.3	5938.9	6052.5	6235.5	6462.7	6589.0	6677.3
15°	5434.0	5452.9	5566.5	5800.1	6058.8	6254.5	6431.2	6563.7	6784.6	6929.8	6936.1
17.5°	5636.0	5718.0	5875.8	6096.7	6368.1	6658.4	6797.2	6942.4	7024.4	7220.1	7264.3
20°	6039.9	6052.5	6204.0	6494.3	6835.1	7100.2	7201.2	7276.9	7245.3	7447.3	7485.2
22.5°	6418.6	6431.2	6620.5	7011.8	7377.9	7605.1	7649.3	7605.1	7510.4	7655.6	7668.2
25°	6803.6	6917.2	7056.0	7447.3	7901.7	8204.7	8211.0	8091.0	7895.4	7920.6	7983.8
27.5°	7403.1	7485.2	7630.3	7990.1	8488.7	8829.5	8772.7	8627.5	8375.1	8394.0	8375.1
30°	8103.7	8179.4	8299.3	8760.0	9126.1	9498.5	9580.5	9441.7	9063.0	8980.9	9075.6
32.5°	8949.4	9056.7	9277.6	9700.4	10009.7	10236.9	10293.7	10243.2	9889.8	9858.2	9921.3
35°	9978.1	10123.3	10325.2	10697.6	10950.1	11360.3	11360.3	11189.9	10868.0	10905.9	10899.6
37.5°	11063.7	11278.2	11593.8	11972.5	12313.3	12534.2	12464.8	12319.6	11997.7	11915.7	11997.7
40°	12426.9	12534.2	12931.8	13424.1	13840.6	14093.1	13796.4	13480.9	12710.9	12830.8	13051.7
42.5°	13670.2	13840.6	14143.6	14686.3	15159.7	15367.9	15014.5	14389.7	13461.9	13367.3	13531.4
45°	14730.5	14913.5	15311.1	16087.4	16586.0	16769.0	15986.4	14976.6	13916.4	13676.5	13745.9
47.5°	15437.4	15532.0	16087.4	16825.8	17280.3	17696.8	16573.4	15380.6	14130.9	13676.5	13651.3
50°	15166.0	15330.1	15980.1	16819.5	17646.3	17942.9	16870.0	15689.8	14200.4	13619.7	13544.0
52.5°	13468.3	13752.3	14478.1	15607.8	16857.4	17917.7	17280.3	15588.8	14175.1	13676.5	13790.1
55°	9372.2	9378.5	10262.1	11928.3	14137.2	16636.5	16680.7	15702.4	14339.2	14030.0	14036.3
57.5°	3767.8	3957.2	4632.5	6305.0	8343.5	11423.4	13581.9	14566.4	14358.1	14282.4	14478.1
60°	953.0	959.3	1167.6	1779.8	2934.7	4897.5	7112.8	9624.7	11082.6	11581.2	11650.6
62.5°	486.0	492.3	542.8	631.1	801.5	1312.7	2335.2	3704.7	5269.9	6065.1	6273.4
65°	397.6	397.6	429.2	473.3	479.7	504.9	605.9	864.6	1255.9	1426.3	1445.3
67.5°	302.9	302.9	328.2	353.4	366.1	359.7	347.1	359.7	435.5	416.5	403.9
70°	189.3	195.6	208.3	233.5	246.1	252.5	258.8	271.4	309.3	321.9	309.3
72.5°	113.6	113.6	119.9	138.8	157.8	170.4	189.3	202.0	220.9	252.5	246.1
75°	50.5	50.5	63.1	82.0	101.0	119.9	138.8	157.8	170.4	189.3	195.6
77.5°	12.6	18.9	31.6	56.8	75.7	101.0	126.2	145.2	157.8	157.8	151.5
80°	6.3	6.3	25.2	44.2	82.0	107.3	138.8	151.5	170.4	157.8	138.8
82.5°	6.3	6.3	25.2	44.2	75.7	107.3	145.2	164.1	176.7	157.8	132.5
85°	0.0	6.3	18.9	37.9	63.1	75.7	63.1	44.2	25.2	25.2	18.9
87.5°	0.0	0.0	6.3	6.3	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)