

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: P534028

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534028
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-SA9C-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 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: 50860 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

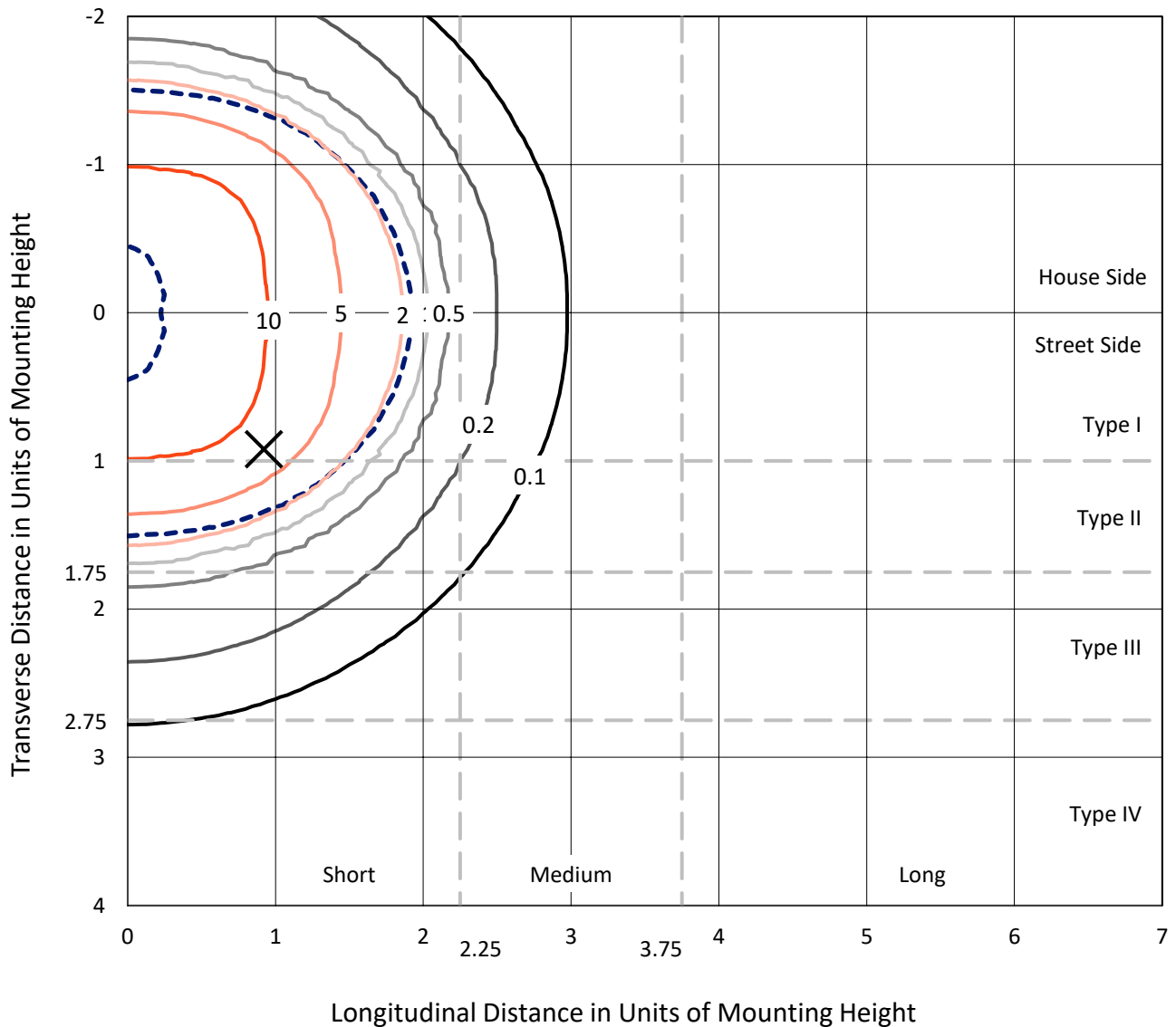




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Iso-Footcandle Lines of Horizontal Illumination

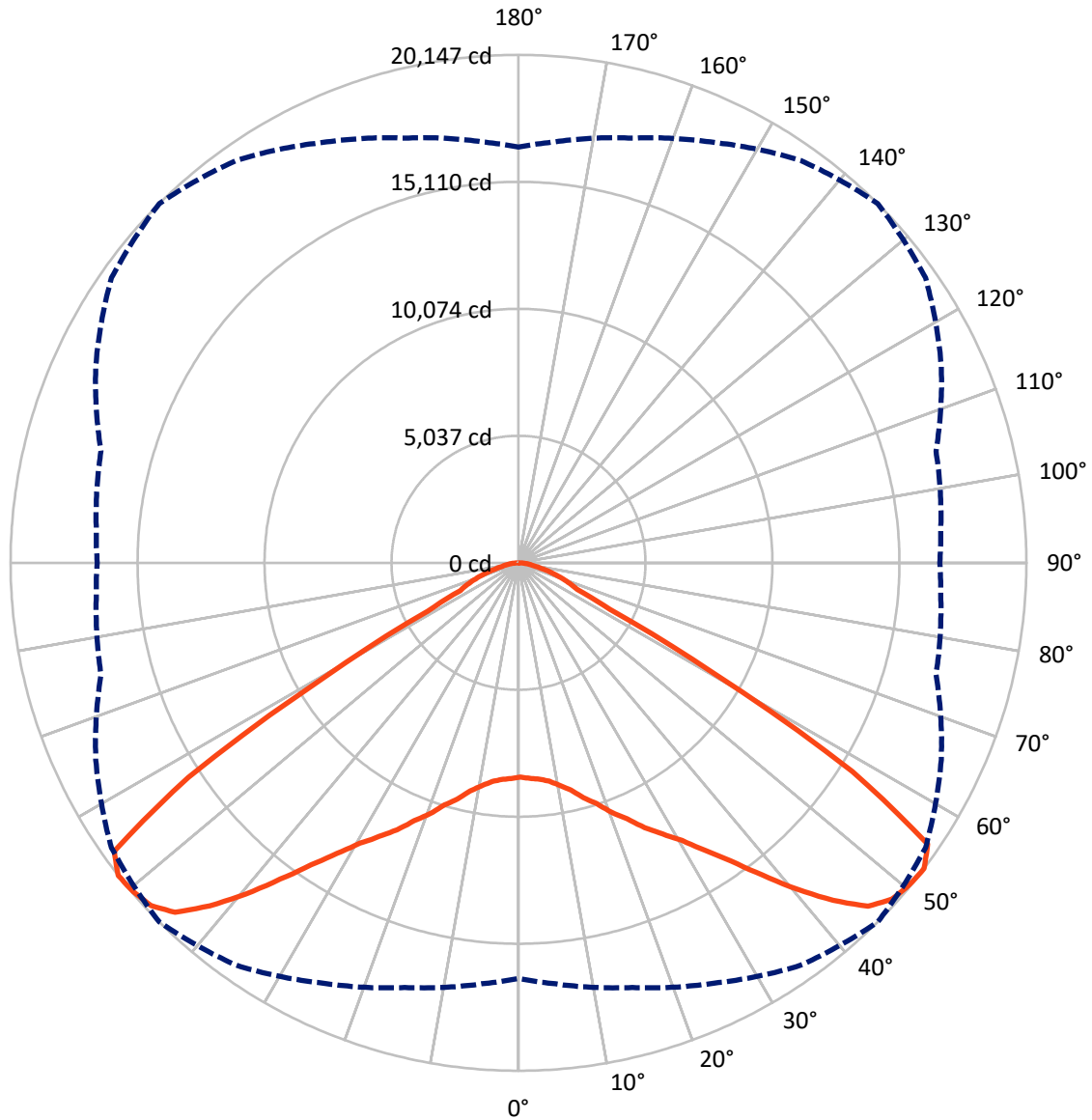
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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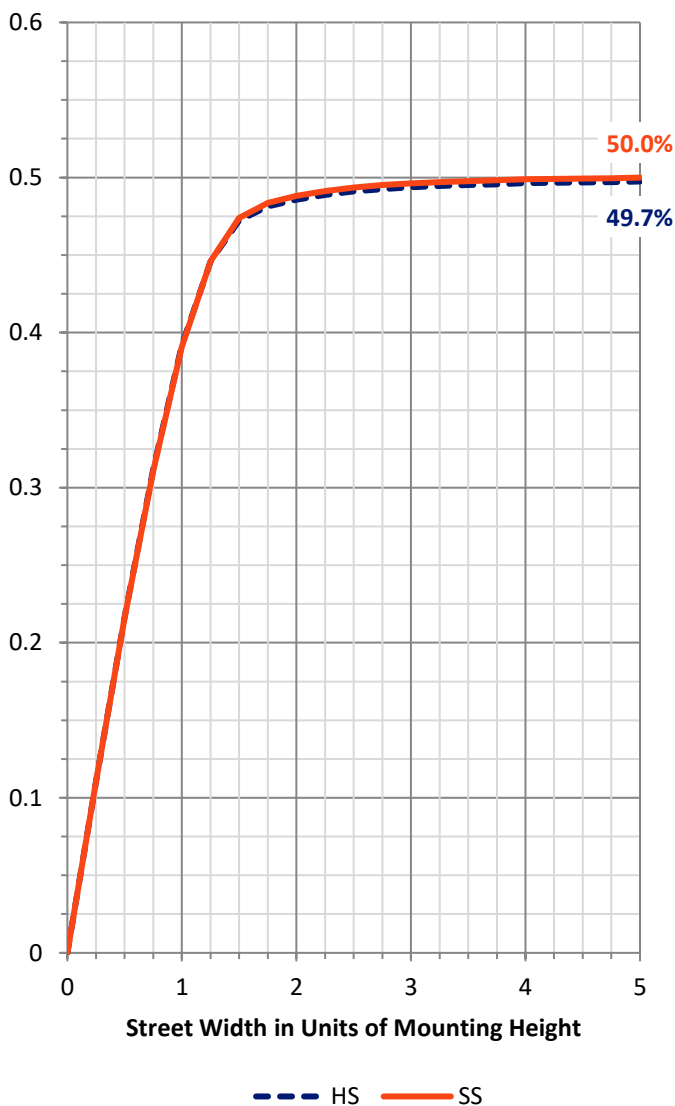
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25430.0	0.0	25430.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25430.0	0.0	25430.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50860.0	0.0	50860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.3	1.6
10°-20°	2744.7	5.4
20°-30°	5225.5	10.3
30°-40°	8972.6	17.6
40°-50°	13791.1	27.1
50°-60°	14004.6	27.5
60°-70°	3902.9	7.7
70°-80°	1151.3	2.3
80°-90°	231.9	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°	50860.0	100.0
0°-180°	50860.0	100.0

Coefficient of Utilization



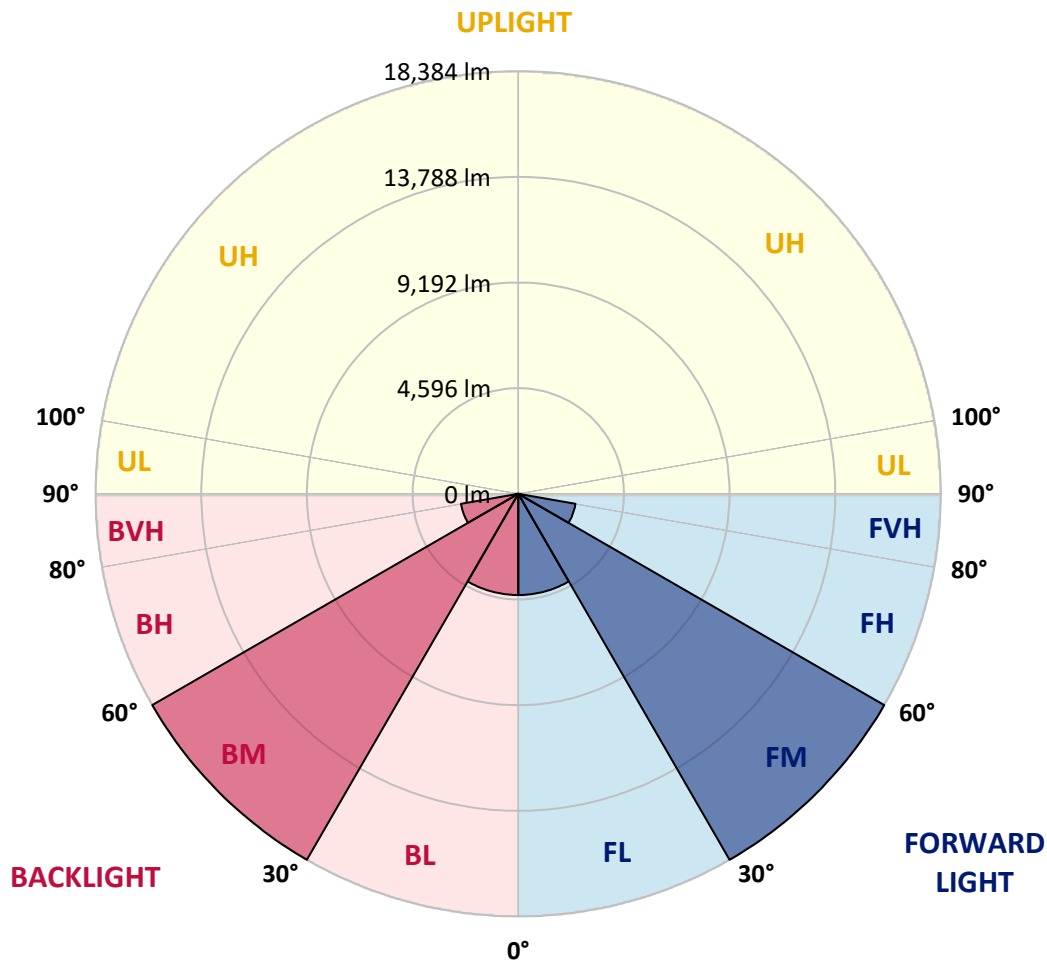
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4402.8	8.7			
FM (30°-60°)	18384.2	36.1			
FH (60°-80°)	2527.1	5.0			G2/5000
FVH (80°-90°)	116.0	0.2			G2/225
BL (0°-30°)	4402.8	8.7	B4/5000		
BM (30°-60°)	18384.2	36.1	B5		
BH (60°-80°)	2527.1	5.0	B4/5000		G2/5000
BVH (80°-90°)	116.0	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8501.9	8501.9	8501.9	8501.9	8501.9	8501.9	8501.9	8501.9	8501.9	8501.9	8501.9
2.5°	8520.9	8432.5	8464.0	8483.0	8565.0	8558.7	8539.8	8565.0	8590.3	8596.6	8584.0
5°	8514.5	8451.4	8476.7	8495.6	8577.7	8621.8	8609.2	8716.5	8792.3	8773.3	8868.0
7.5°	8464.0	8501.9	8470.4	8565.0	8634.5	8741.8	8855.4	8956.4	9051.0	9158.3	9177.3
10°	8577.7	8577.7	8634.5	8710.2	8893.2	8975.3	9139.4	9284.6	9467.6	9593.9	9543.4
12.5°	8697.6	8716.5	8716.5	8912.2	9063.7	9246.7	9398.2	9593.9	9852.6	10004.1	10079.9
15°	8817.5	8830.1	8893.2	9158.3	9385.6	9675.9	9814.8	9991.5	10136.7	10420.7	10427.0
17.5°	8924.8	8994.2	9183.6	9480.2	9764.3	10042.0	10262.9	10445.9	10572.2	10685.8	10660.5
20°	9328.8	9379.3	9574.9	9871.6	10294.5	10565.9	10641.6	10673.2	10755.2	10982.4	10913.0
22.5°	9720.1	9739.0	9922.1	10376.5	10673.2	11032.9	11115.0	11096.0	11127.6	11184.4	11285.4
25°	10124.0	10155.6	10408.1	10793.1	11209.7	11638.9	11708.3	11563.1	11518.9	11582.1	11588.4
27.5°	10641.6	10647.9	10969.8	11304.3	11777.7	12181.7	12289.0	12175.4	11967.1	12017.6	12099.6
30°	11298.0	11253.8	11575.7	12055.4	12554.1	12781.3	12964.3	12907.5	12680.3	12636.1	12566.7
32.5°	12055.4	12068.1	12358.4	12882.3	13210.5	13589.2	13784.8	13690.2	13545.0	13469.3	13513.4
35°	13122.1	13178.9	13374.6	13810.1	14340.3	14529.6	14838.9	14636.9	14258.2	14352.9	14435.0
37.5°	13999.4	14163.6	14529.6	15047.2	15362.8	15709.9	15823.5	15552.1	15274.4	15160.8	15432.2
40°	15343.8	15293.4	15697.3	16214.9	16681.9	17029.1	16883.9	16612.5	15924.5	15930.8	16006.6
42.5°	16498.9	16524.1	16833.4	17452.0	18089.5	18304.1	17843.3	17180.6	16416.8	16334.8	16498.9
45°	17470.9	17571.9	17748.6	18575.5	19200.3	19433.9	18581.8	17799.1	16776.6	16435.8	16707.2
47.5°	17818.1	17982.2	18367.2	19124.6	19743.1	19932.5	19250.8	18127.3	17111.1	16555.7	16700.9
50°	17868.5	17811.7	18442.9	19137.2	19680.0	20090.3	19490.7	18367.2	17029.1	16738.7	16694.6
52.5°	16486.3	16764.0	17439.3	18392.4	19490.7	20147.1	19705.3	18499.7	17142.7	16814.5	16707.2
55°	13343.0	13014.8	14245.6	15848.8	17868.5	19692.6	19629.5	18569.2	17212.1	16940.7	16795.6
57.5°	7447.9	7542.5	8236.8	9978.9	12585.6	15615.3	17452.0	17837.0	17180.6	17022.8	17098.5
60°	3446.2	3477.8	3774.4	4588.6	6204.4	8855.4	11272.8	13728.0	14857.8	15085.1	15085.1
62.5°	2568.9	2556.3	2632.0	2777.2	3118.0	4071.1	5434.4	7384.7	8937.4	10023.0	10307.1
65°	2322.7	2316.4	2354.3	2404.8	2430.0	2562.6	2865.5	3465.1	3970.1	4260.4	4209.9
67.5°	2032.4	2026.1	2038.7	2070.3	2114.4	2183.9	2259.6	2385.8	2562.6	2549.9	2518.4
70°	1641.1	1641.1	1660.0	1685.2	1735.7	1817.8	1906.1	1994.5	2146.0	2177.6	2171.2
72.5°	1211.9	1192.9	1230.8	1281.3	1331.8	1432.8	1527.4	1609.5	1716.8	1748.4	1735.7
75°	770.0	782.7	807.9	864.7	953.1	1022.5	1123.5	1192.9	1262.3	1287.6	1293.9
77.5°	429.2	441.8	486.0	555.4	643.8	719.5	807.9	864.7	908.9	915.2	921.5
80°	258.8	265.1	309.3	372.4	448.1	530.2	599.6	656.4	694.3	675.4	669.0
82.5°	157.8	164.1	202.0	258.8	321.9	385.0	460.8	511.3	549.1	523.9	498.6
85°	82.1	88.4	119.9	157.8	208.3	239.8	239.8	214.6	208.3	195.7	189.4
87.5°	25.2	25.2	31.6	37.9	31.6	37.9	44.2	50.5	50.5	56.8	50.5
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)