

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: P526535

Luminaire Tested: **GALN-SA1C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3380 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 57
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

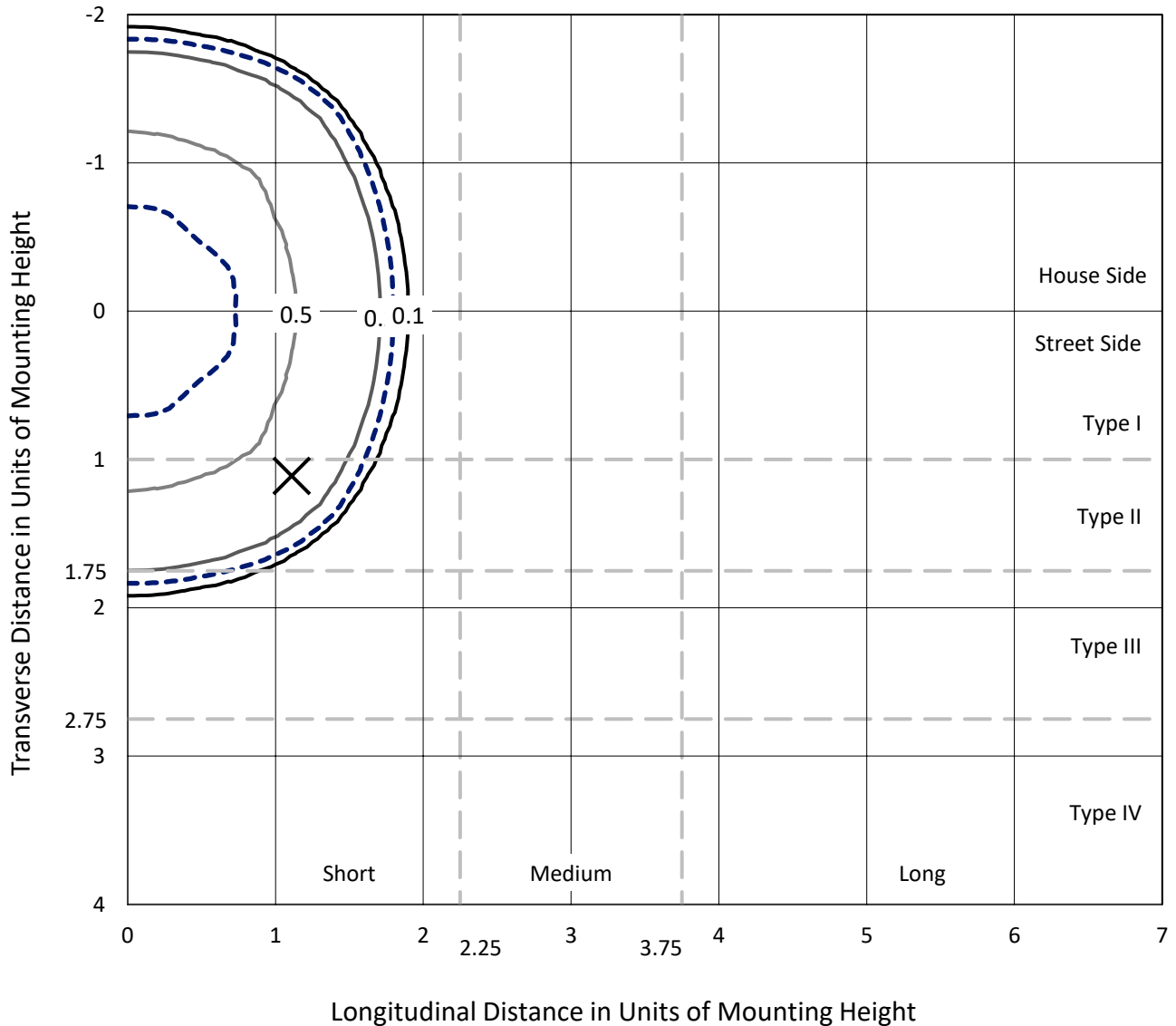




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Iso-Footcandle Lines of Horizontal Illumination

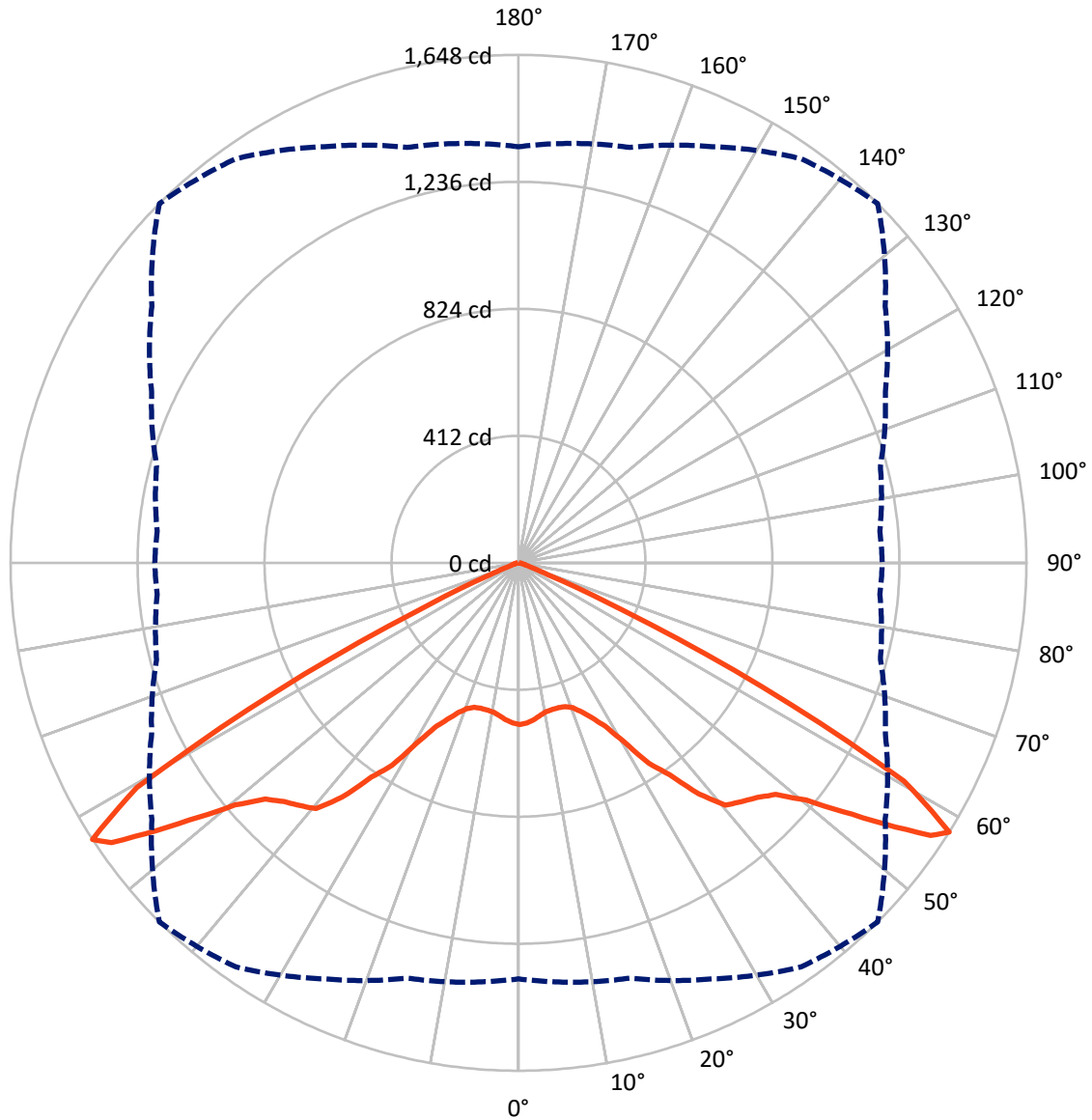
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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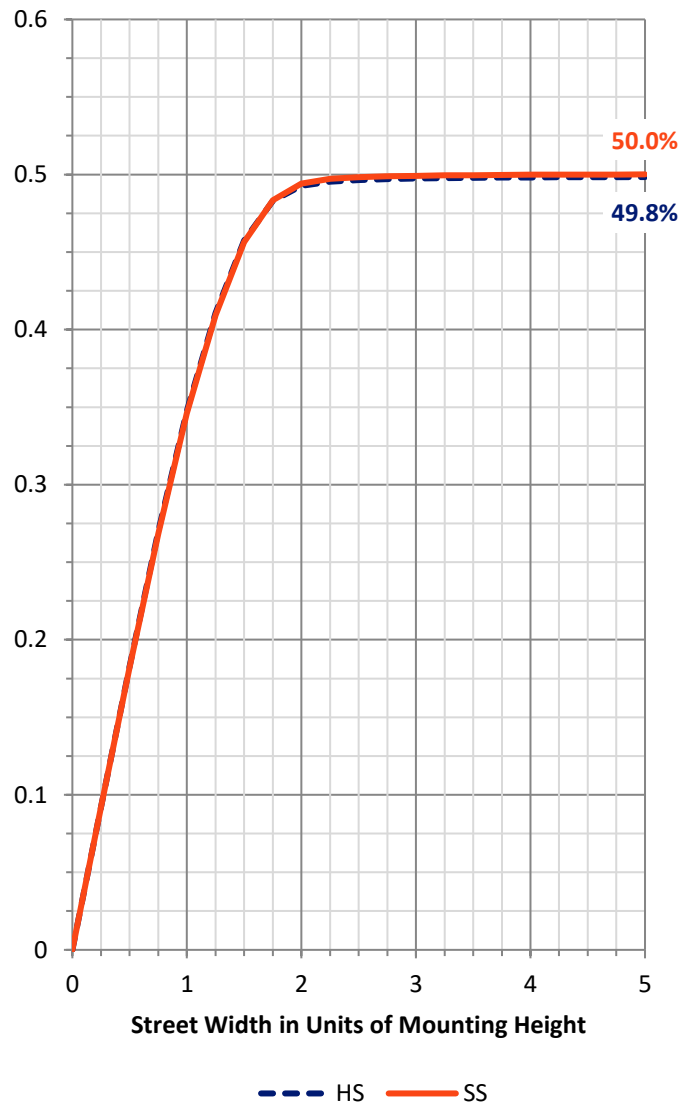
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1690.0	0.0	1690.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1690.0	0.0	1690.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3380.0	0.0	3380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.4
10°-20°	139.3	4.1
20°-30°	257.0	7.6
30°-40°	505.5	15.0
40°-50°	823.3	24.4
50°-60°	1174.2	34.7
60°-70°	406.5	12.0
70°-80°	21.8	0.6
80°-90°	4.1	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°	3380.0	100.0
0°-180°	3380.0	100.0

Coefficient of Utilization

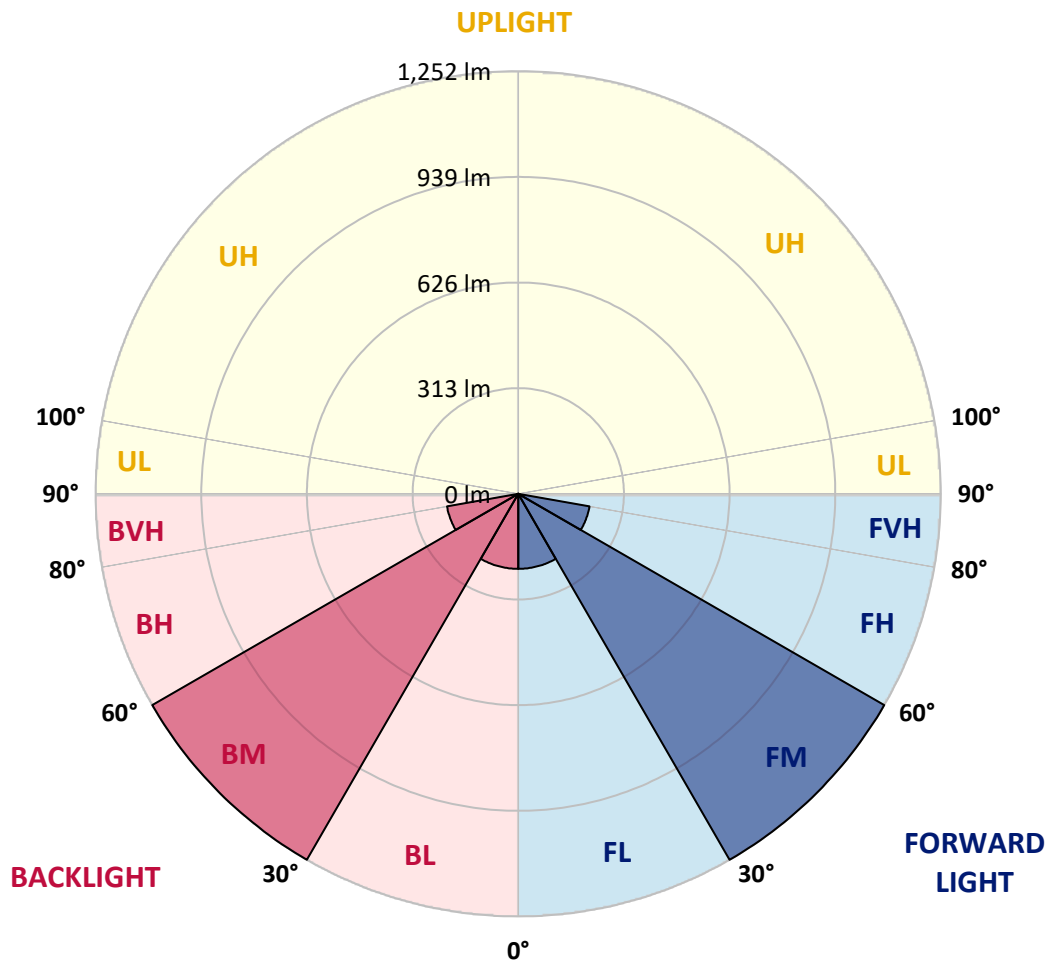


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.2	6.6			
FM (30°-60°)	1251.5	37.0			
FH (60°-80°)	214.2	6.3			G0/660
FVH (80°-90°)	2.0	0.1			G0/10
BL (0°-30°)	222.2	6.6	B1/500		
BM (30°-60°)	1251.5	37.0	B2/2500		
BH (60°-80°)	214.2	6.3	B1/500		G0/660
BVH (80°-90°)	2.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3
2.5°	522.9	525.7	522.2	520.8	520.0	520.0	517.9	517.9	517.2	517.9	515.1
5°	514.4	517.2	517.2	516.5	512.3	511.6	509.5	508.1	508.8	506.0	508.1
7.5°	506.0	508.1	505.2	504.5	503.1	500.3	499.6	493.3	494.0	494.0	495.4
10°	504.5	503.8	499.6	496.1	491.9	491.2	489.0	487.6	487.6	486.9	489.0
12.5°	504.5	501.0	500.3	492.6	485.5	488.3	482.7	479.2	484.1	485.5	488.3
15°	503.8	507.4	495.4	491.9	486.9	487.6	482.7	479.2	482.0	483.4	485.5
17.5°	508.1	506.0	502.4	495.4	493.3	490.4	484.1	481.3	481.3	484.8	485.5
20°	519.3	513.7	506.7	503.1	505.2	501.7	494.0	483.4	486.2	489.0	491.2
22.5°	529.9	525.7	520.8	518.6	530.6	525.0	511.6	499.6	495.4	500.3	503.8
25°	550.3	550.3	541.2	544.0	557.4	558.1	542.6	521.5	518.6	520.8	522.2
27.5°	591.9	594.0	586.3	589.1	594.7	599.7	586.3	568.7	562.3	561.6	563.7
30°	637.0	641.2	640.5	652.5	668.7	671.5	651.8	622.9	603.9	600.4	603.2
32.5°	696.2	698.3	696.9	711.0	754.7	775.1	723.7	682.8	657.5	663.8	657.5
35°	807.6	805.4	789.9	792.8	828.7	843.5	794.2	768.1	756.1	768.8	766.0
37.5°	903.4	895.6	882.9	901.3	938.6	952.0	900.6	854.8	832.9	854.1	863.2
40°	984.4	964.7	947.1	965.4	1015.4	1033.7	958.3	921.0	912.5	928.0	947.8
42.5°	1052.8	1040.1	1016.8	1018.2	1051.4	1059.8	999.2	977.4	968.9	993.6	1003.4
45°	1101.4	1089.4	1067.6	1066.2	1091.5	1085.9	1031.6	1016.8	1021.8	1038.0	1042.9
47.5°	1126.1	1132.4	1119.7	1123.2	1136.6	1123.2	1080.3	1080.3	1069.0	1078.8	1073.9
50°	1197.2	1177.5	1193.7	1193.7	1207.8	1209.2	1166.2	1150.7	1120.4	1103.5	1103.5
52.5°	1280.4	1281.8	1288.1	1311.4	1335.3	1355.8	1294.5	1228.2	1177.5	1155.7	1152.8
55°	1348.7	1362.8	1388.2	1431.9	1500.9	1529.1	1423.4	1305.0	1243.0	1209.2	1202.2
56°	1386.1	1372.7	1416.4	1476.3	1566.5	1603.1	1444.6	1320.5	1252.2	1214.1	1213.4
57.5°	1350.1	1364.9	1395.2	1489.7	1600.3	1648.2	1452.3	1313.5	1215.6	1176.8	1180.3
60°	1066.2	1080.3	1121.1	1226.8	1400.2	1437.5	1228.9	1083.1	995.7	940.0	940.7
62.5°	603.2	613.8	645.5	743.4	851.2	887.2	766.0	668.7	608.1	577.1	567.3
65°	222.0	217.7	222.7	272.7	338.9	369.2	318.5	269.2	237.5	226.2	222.0
67.5°	83.2	76.8	71.9	76.8	96.5	102.2	93.7	78.2	73.3	75.4	76.8
70°	51.4	48.6	38.8	36.6	35.9	35.2	37.3	39.5	45.1	52.9	54.3
72.5°	35.9	33.8	27.5	26.1	24.7	24.0	27.5	30.3	35.2	40.9	41.6
75°	14.1	14.8	14.1	15.5	16.2	16.9	19.7	21.8	24.0	24.0	23.3
77.5°	2.8	2.8	4.2	5.6	7.0	9.2	13.4	15.5	16.2	15.5	13.4
80°	0.0	0.0	1.4	2.8	5.6	7.8	12.0	13.4	14.8	13.4	10.6
82.5°	0.0	0.0	1.4	3.5	5.6	7.0	11.3	14.1	16.2	14.8	11.3
85°	0.0	0.0	1.4	2.8	4.2	4.9	4.9	3.5	3.5	2.1	1.4
87.5°	0.0	0.0	0.0	0.0	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)