

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: P526587

Luminaire Tested: **GALN-SA1C-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526587
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-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 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: 3711 lumens
Efficiency: N/A
Efficacy: 65.1 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

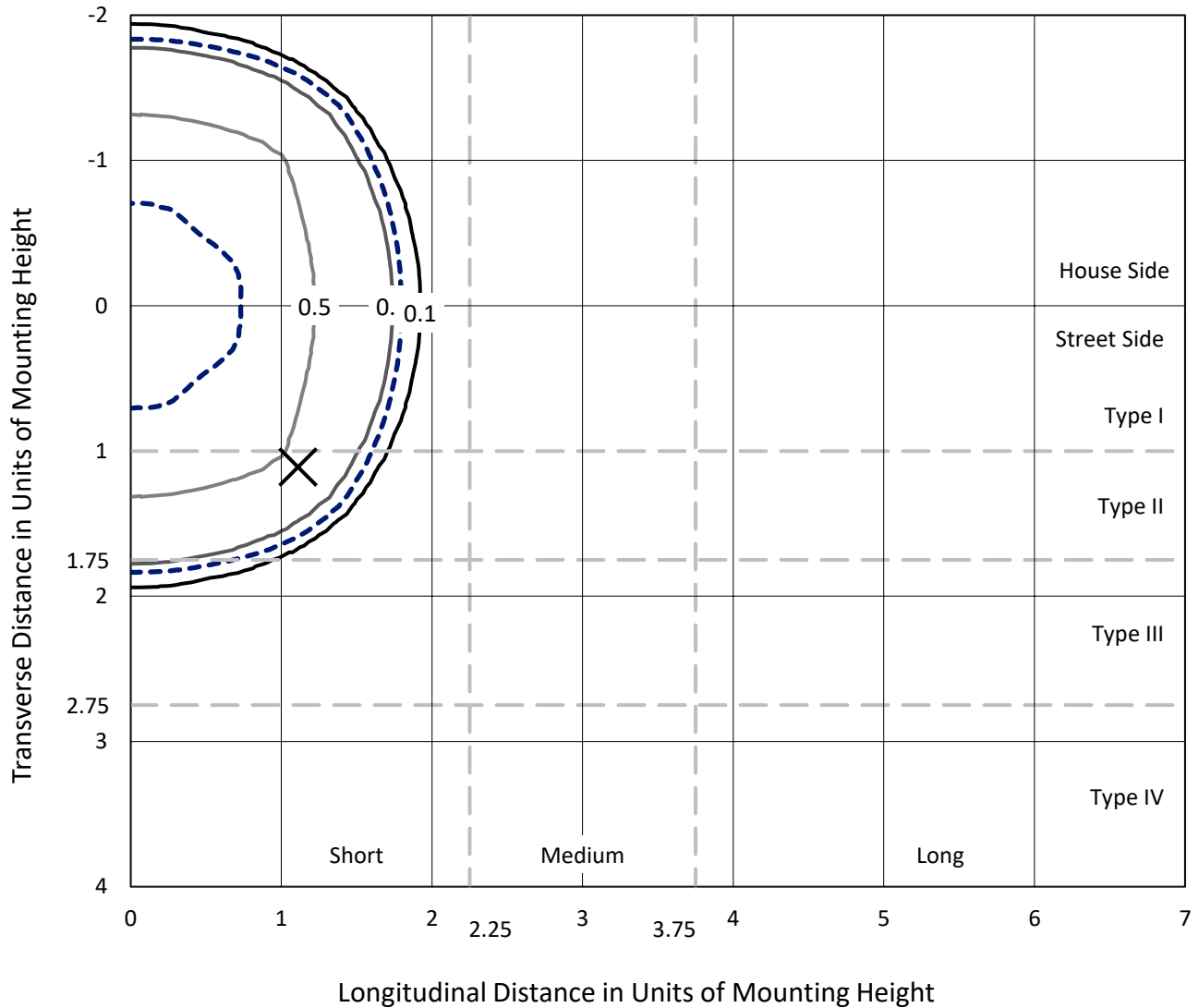
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

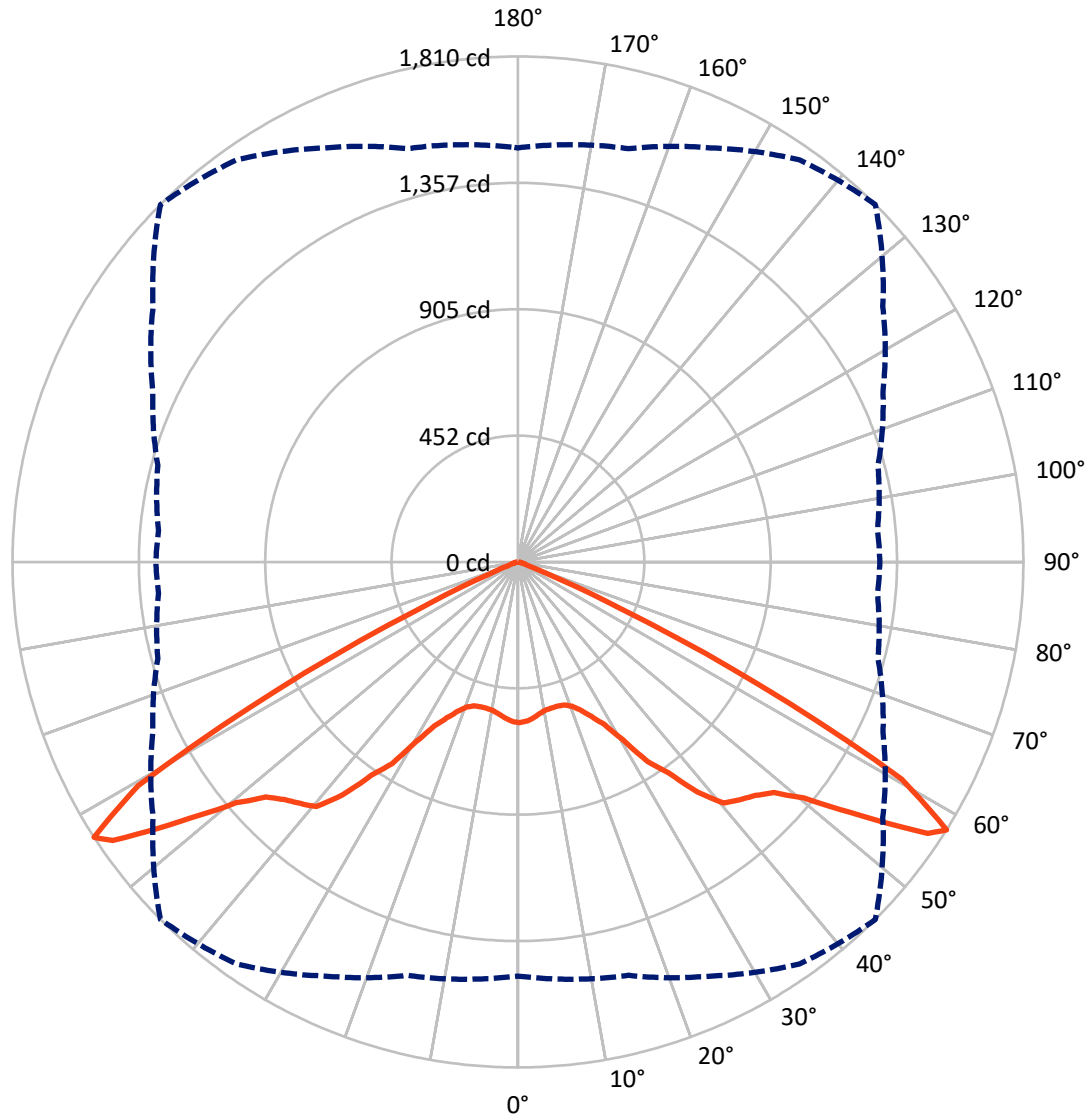
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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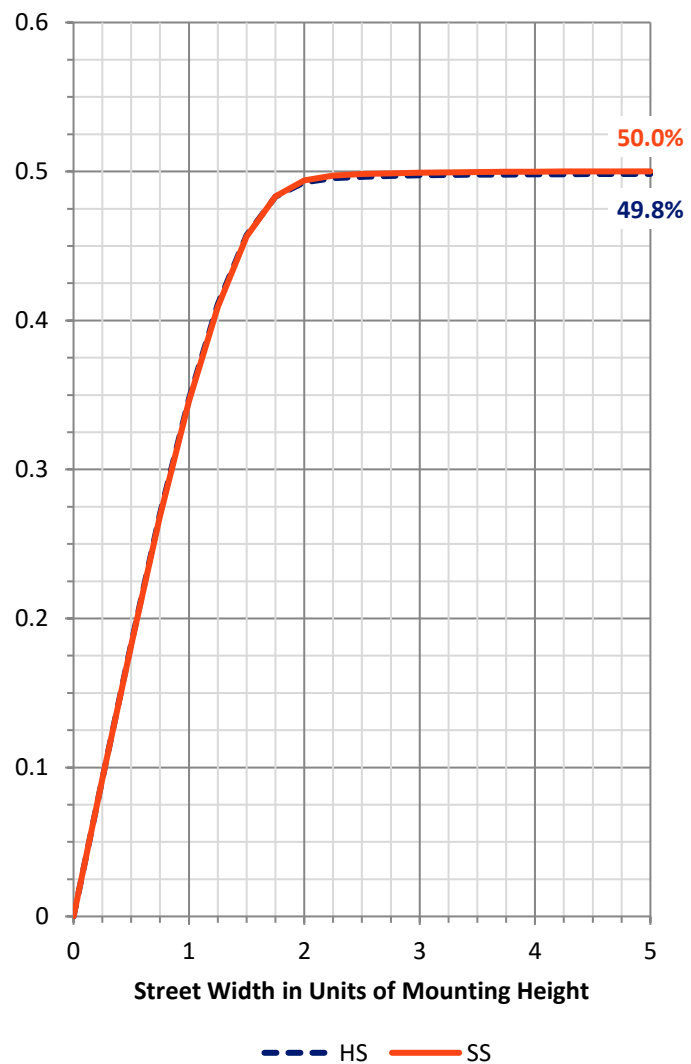
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1855.5	0.0	1855.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1855.5	0.0	1855.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3711.0	0.0	3711.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.4
10°-20°	152.9	4.1
20°-30°	282.2	7.6
30°-40°	555.0	15.0
40°-50°	904.0	24.4
50°-60°	1289.2	34.7
60°-70°	446.3	12.0
70°-80°	23.9	0.6
80°-90°	4.5	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°	3711.0	100.0
0°-180°	3711.0	100.0

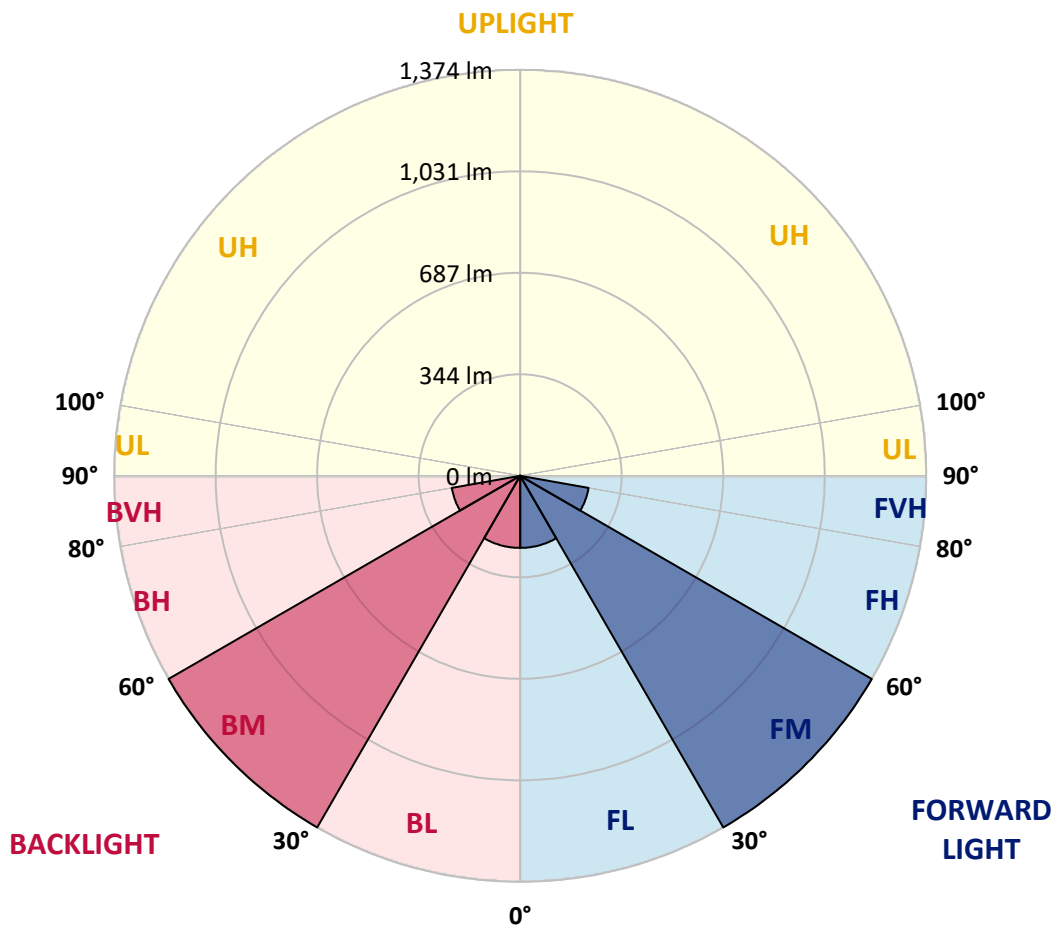


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.0	6.6			
FM (30°-60°)	1374.1	37.0			
FH (60°-80°)	235.1	6.3			G0/660
FVH (80°-90°)	2.2	0.1			G0/10
BL (0°-30°)	244.0	6.6	B1/500		
BM (30°-60°)	1374.1	37.0	B2/2500		
BH (60°-80°)	235.1	6.3	B1/500		G0/660
BVH (80°-90°)	2.2	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°	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6	575.6
2.5°	574.1	577.2	573.3	571.7	571.0	571.0	568.7	568.7	567.9	568.7	565.6
5°	564.8	567.9	567.9	567.1	562.5	561.7	559.4	557.8	558.6	555.5	557.8
7.5°	555.5	557.8	554.7	554.0	552.4	549.3	548.5	541.6	542.3	542.3	543.9
10°	554.0	553.2	548.5	544.7	540.0	539.3	536.9	535.4	535.4	534.6	536.9
12.5°	554.0	550.1	549.3	540.8	533.1	536.2	530.0	526.1	531.5	533.1	536.2
15°	553.2	557.0	543.9	540.0	534.6	535.4	530.0	526.1	529.2	530.7	533.1
17.5°	557.8	555.5	551.6	543.9	541.6	538.5	531.5	528.4	528.4	532.3	533.1
20°	570.2	564.0	556.3	552.4	554.7	550.9	542.3	530.7	533.8	536.9	539.3
22.5°	581.8	577.2	571.7	569.4	582.6	576.4	561.7	548.5	543.9	549.3	553.2
25°	604.2	604.2	594.2	597.3	612.0	612.8	595.7	572.5	569.4	571.7	573.3
27.5°	649.9	652.2	643.7	646.8	653.0	658.4	643.7	624.4	617.4	616.6	618.9
30°	699.4	704.0	703.3	716.4	734.2	737.3	715.7	683.9	663.0	659.2	662.3
32.5°	764.4	766.7	765.2	780.6	828.6	851.0	794.6	749.7	721.8	728.8	721.8
35°	886.6	884.3	867.3	870.4	909.8	926.1	871.9	843.3	830.2	844.1	841.0
37.5°	991.9	983.3	969.4	989.5	1030.5	1045.2	988.8	938.5	914.5	937.7	947.8
40°	1080.8	1059.2	1039.8	1059.9	1114.9	1135.0	1052.2	1011.2	1001.9	1018.9	1040.6
42.5°	1155.9	1141.9	1116.4	1118.0	1154.3	1163.6	1097.1	1073.1	1063.8	1090.9	1101.7
45°	1209.3	1196.1	1172.1	1170.6	1198.4	1192.2	1132.7	1116.4	1121.8	1139.6	1145.0
47.5°	1236.3	1243.3	1229.4	1233.2	1247.9	1233.2	1186.0	1186.0	1173.7	1184.5	1179.1
50°	1314.5	1292.8	1310.6	1310.6	1326.1	1327.6	1280.4	1263.4	1230.1	1211.6	1211.6
52.5°	1405.8	1407.3	1414.3	1439.8	1466.1	1488.6	1421.2	1348.5	1292.8	1268.8	1265.7
55°	1480.8	1496.3	1524.1	1572.1	1647.9	1678.9	1562.8	1432.8	1364.8	1327.6	1319.9
56°	1521.8	1507.1	1555.1	1620.9	1719.9	1760.1	1586.0	1449.9	1374.8	1333.0	1332.3
57.5°	1482.4	1498.6	1531.9	1635.6	1757.0	1809.6	1594.5	1442.1	1334.6	1292.0	1295.9
60°	1170.6	1186.0	1230.9	1347.0	1537.3	1578.3	1349.3	1189.1	1093.2	1032.1	1032.9
62.5°	662.3	673.9	708.7	816.2	934.6	974.1	841.0	734.2	667.7	633.6	622.8
65°	243.7	239.1	244.5	299.4	372.1	405.4	349.7	295.5	260.7	248.4	243.7
67.5°	91.3	84.3	78.9	84.3	106.0	112.2	102.9	85.9	80.5	82.8	84.3
70°	56.5	53.4	42.6	40.2	39.5	38.7	41.0	43.3	49.5	58.0	59.6
72.5°	39.5	37.1	30.2	28.6	27.1	26.3	30.2	33.3	38.7	44.9	45.6
75°	15.5	16.2	15.5	17.0	17.8	18.6	21.7	24.0	26.3	26.3	25.5
77.5°	3.1	3.1	4.6	6.2	7.7	10.1	14.7	17.0	17.8	17.0	14.7
80°	0.0	0.0	1.5	3.1	6.2	8.5	13.2	14.7	16.2	14.7	11.6
82.5°	0.0	0.0	1.5	3.9	6.2	7.7	12.4	15.5	17.8	16.2	12.4
85°	0.0	0.0	1.5	3.1	4.6	5.4	5.4	3.9	3.9	2.3	1.5
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)