

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: P650663

Luminaire Tested: **GALN-SA1C-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3590.2 lumens
Efficiency: N/A
Efficacy: 63.0 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

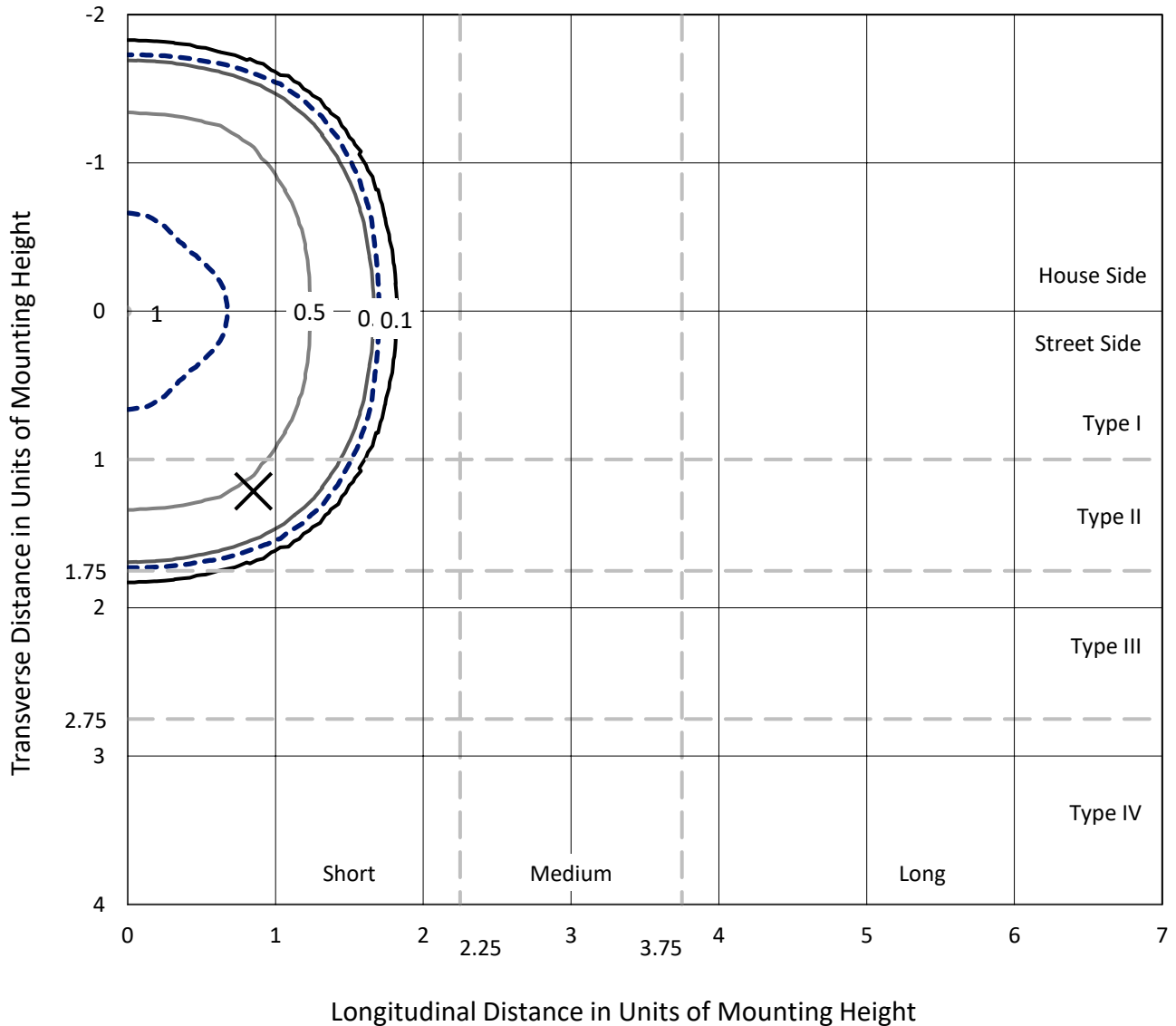
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

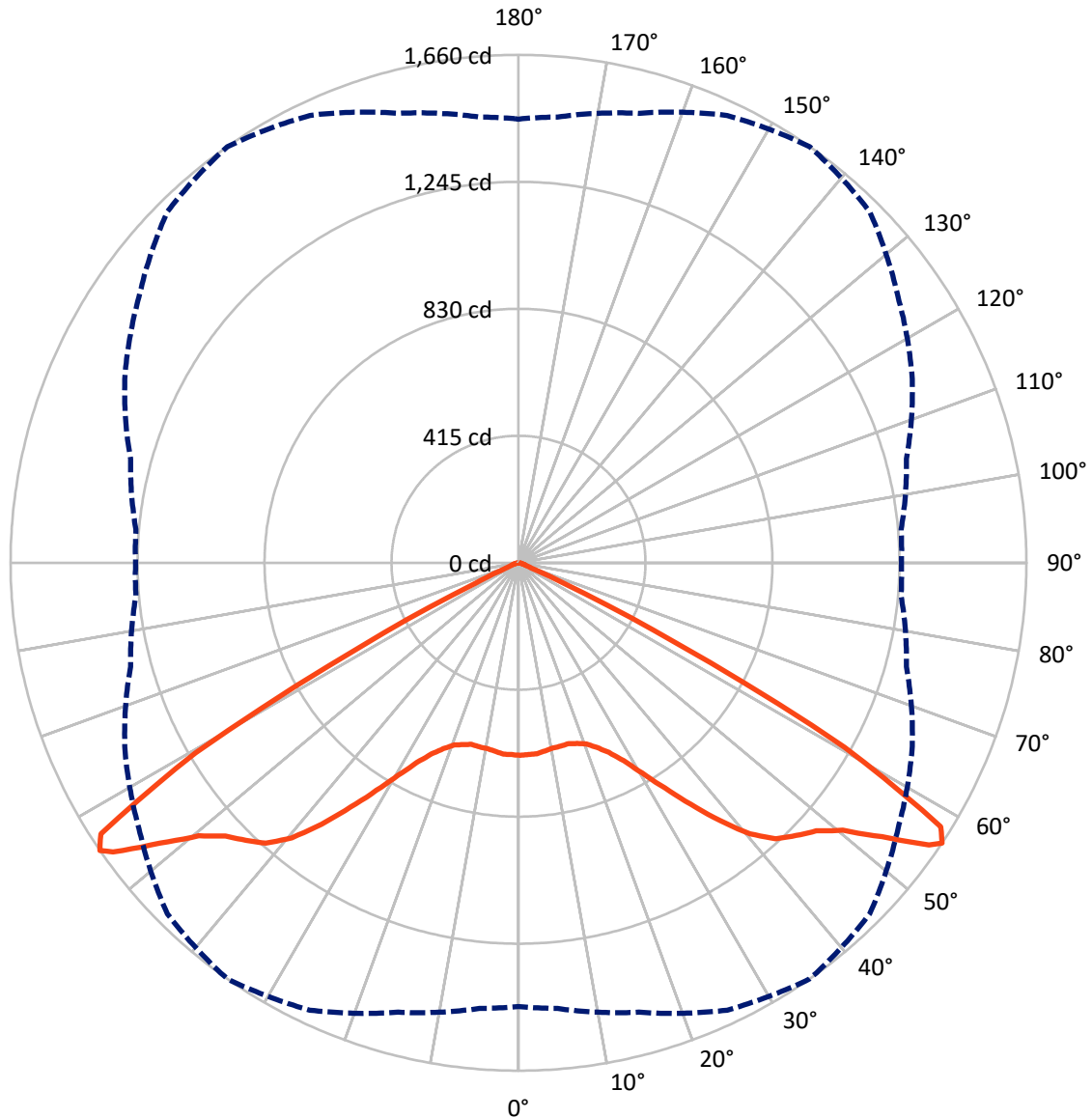
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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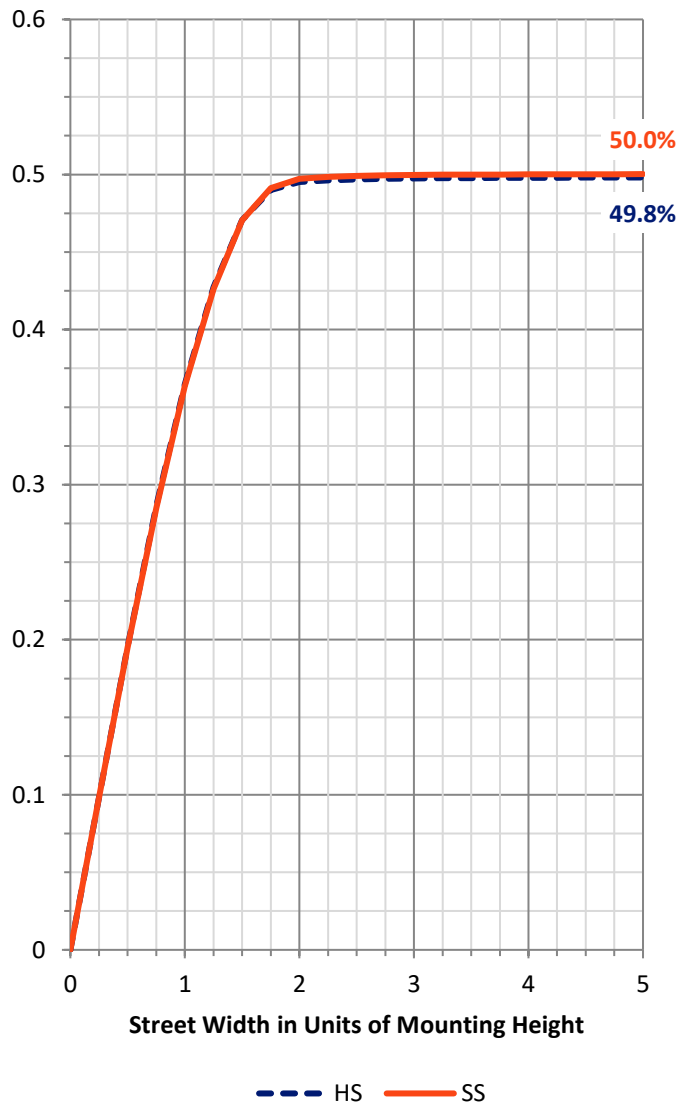
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1795.1	0.0	1795.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1795.1	0.0	1795.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3590.2	0.0	3590.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.6
10°-20°	172.6	4.8
20°-30°	312.6	8.7
30°-40°	579.6	16.1
40°-50°	951.4	26.5
50°-60°	1225.7	34.1
60°-70°	270.1	7.5
70°-80°	15.7	0.4
80°-90°	3.3	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°	3590.2	100.0
0°-180°	3590.2	100.0

Coefficient of Utilization

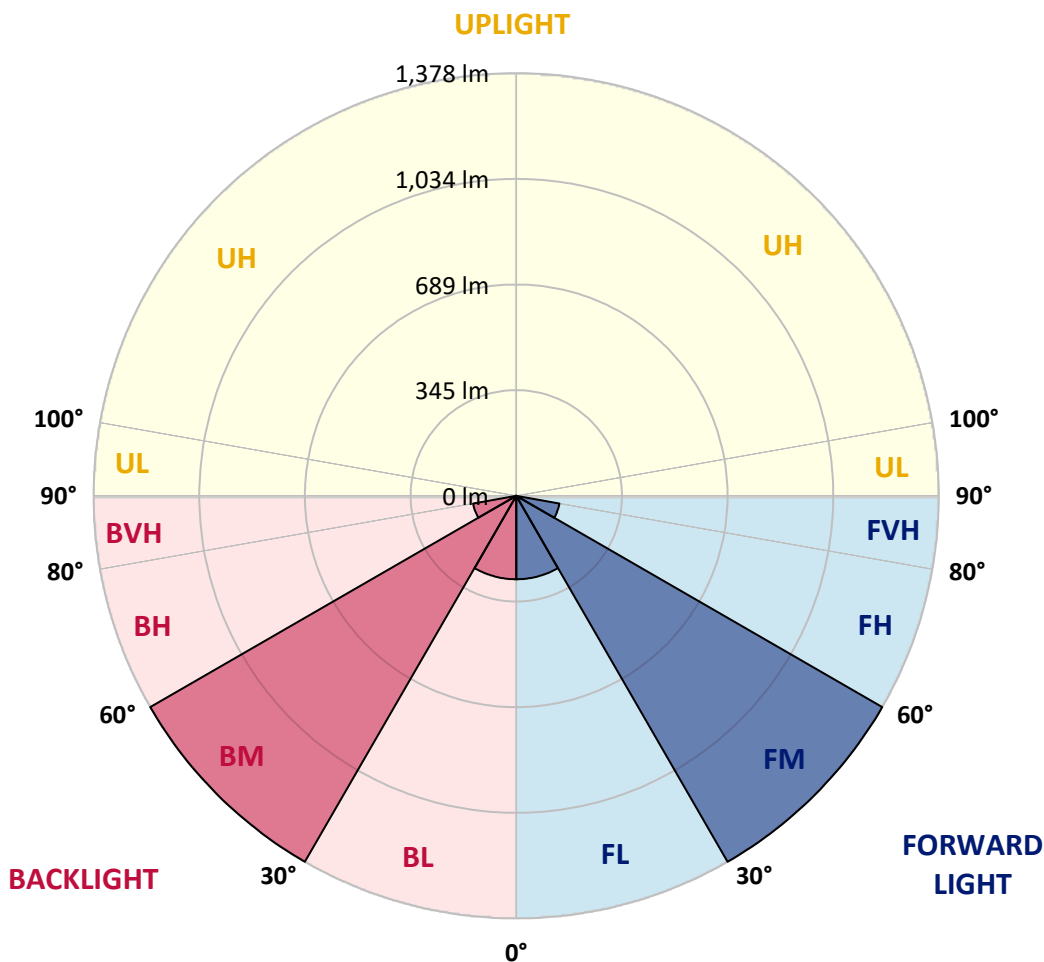


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.2	7.6			
FM (30°-60°)	1378.4	38.4			
FH (60°-80°)	142.9	4.0			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	272.2	7.6	B1/500		
BM (30°-60°)	1378.4	38.4	B2/2500		
BH (60°-80°)	142.9	4.0	B1/500		G0/660
BVH (80°-90°)	1.7	0.0			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°	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1	629.1
2.5°	630.4	630.4	631.0	631.7	627.1	625.2	625.9	624.5	623.9	625.9	625.9
5°	628.4	628.4	626.5	627.1	627.1	621.2	621.2	622.6	622.6	618.6	617.4
7.5°	623.3	621.9	619.3	622.6	620.7	620.7	616.0	612.8	611.5	614.1	611.5
10°	612.2	612.8	615.4	616.7	615.4	619.3	611.5	606.9	602.4	600.5	600.5
12.5°	606.9	610.9	606.9	610.2	614.8	611.5	606.9	603.8	597.2	594.6	594.6
15°	606.3	608.9	610.2	614.8	612.8	614.1	605.0	601.1	591.4	586.8	584.8
17.5°	605.7	608.9	610.9	619.3	620.7	621.2	614.1	602.4	593.9	589.4	584.8
20°	612.8	614.1	618.1	626.5	631.7	640.8	627.8	615.4	597.2	592.0	590.0
22.5°	621.9	628.4	632.3	641.4	655.1	662.9	646.0	630.4	611.5	605.0	597.2
25°	651.2	649.9	656.4	675.2	686.3	692.2	678.5	655.7	631.0	623.3	624.5
27.5°	687.6	688.9	694.8	715.6	731.8	741.0	724.7	694.8	670.7	657.7	656.4
30°	735.1	733.9	740.3	768.3	797.6	811.2	782.6	747.5	724.1	707.1	711.1
32.5°	785.2	785.8	804.1	829.5	876.9	903.7	857.4	814.5	779.4	767.7	761.8
35°	859.4	862.6	876.9	916.0	968.7	1003.1	952.4	901.0	860.7	839.2	841.8
37.5°	951.1	947.9	971.9	1014.2	1069.5	1094.9	1051.9	993.4	952.4	938.1	947.2
40°	1048.7	1051.9	1064.3	1102.7	1164.5	1181.4	1117.7	1085.8	1050.0	1042.8	1053.9
42.5°	1146.3	1144.3	1153.4	1187.9	1232.8	1221.0	1183.4	1164.5	1139.1	1124.8	1139.8
45°	1217.9	1214.6	1231.5	1254.9	1271.2	1249.1	1232.1	1225.7	1212.6	1197.0	1210.7
47.5°	1287.5	1284.9	1301.1	1307.6	1308.9	1279.7	1282.9	1294.6	1262.1	1229.5	1245.2
50°	1346.6	1342.1	1362.3	1376.5	1373.4	1326.5	1338.2	1326.5	1275.7	1237.4	1231.5
52.5°	1445.5	1447.4	1469.0	1495.0	1487.1	1448.1	1431.2	1377.9	1312.8	1278.3	1258.1
55°	1508.0	1498.2	1535.3	1617.9	1627.0	1586.7	1511.9	1433.1	1335.6	1293.3	1288.1
56°	1449.5	1461.8	1520.4	1612.7	1659.5	1622.5	1513.8	1419.5	1312.1	1254.9	1251.0
57.5°	1300.4	1294.0	1373.4	1499.5	1627.0	1611.4	1460.5	1321.9	1197.0	1132.6	1124.8
60°	809.3	828.1	897.8	1053.9	1224.3	1232.1	1082.5	963.4	817.7	760.5	774.1
62.5°	316.8	300.6	344.1	460.6	577.7	603.8	547.2	454.7	373.4	316.8	312.9
65°	73.5	71.6	80.7	111.3	155.5	180.2	171.1	123.0	90.4	85.9	79.4
67.5°	41.6	41.6	39.7	39.7	43.6	46.2	44.2	43.6	45.5	47.5	46.8
70°	29.3	28.6	27.3	28.0	26.7	26.7	28.6	31.9	34.5	34.5	35.2
72.5°	17.6	17.6	17.6	19.5	19.5	19.5	21.4	24.1	24.7	24.1	23.4
75°	7.8	7.8	9.1	11.1	12.4	13.0	15.0	16.2	17.6	16.2	15.0
77.5°	1.9	1.9	3.3	4.5	5.9	7.1	9.8	11.7	12.4	11.7	9.8
80°	0.7	0.7	1.3	3.3	5.9	7.1	9.8	10.4	11.1	9.8	7.8
82.5°	0.7	0.7	1.3	3.3	4.5	5.9	7.8	9.1	9.8	8.5	7.8
85°	0.0	0.7	1.3	2.6	3.9	5.2	5.2	3.9	3.3	1.9	2.6
87.5°	0.0	0.0	0.7	0.7	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)