

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: P526120

Luminaire Tested: **GALN-SA1A-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3926 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

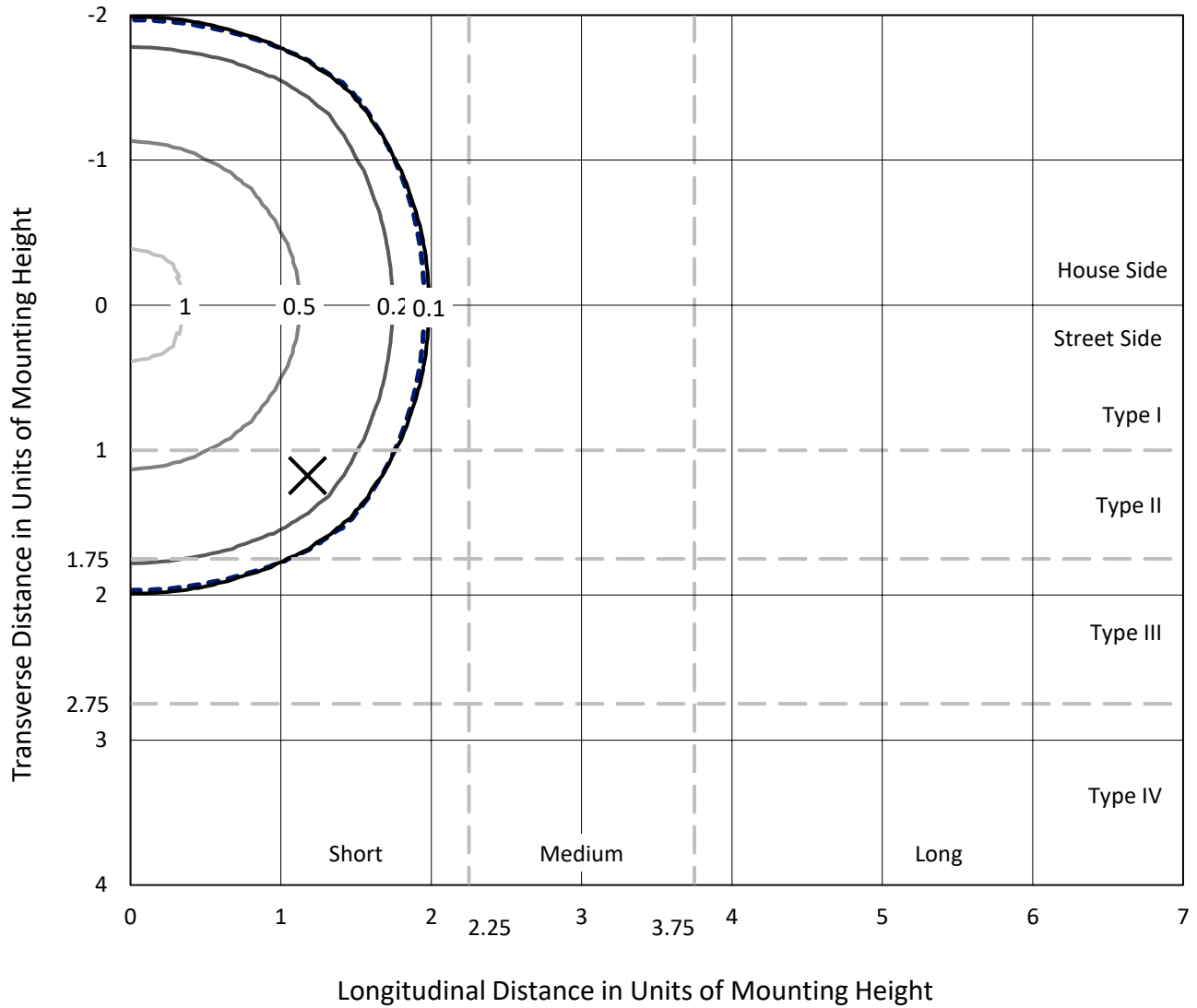
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

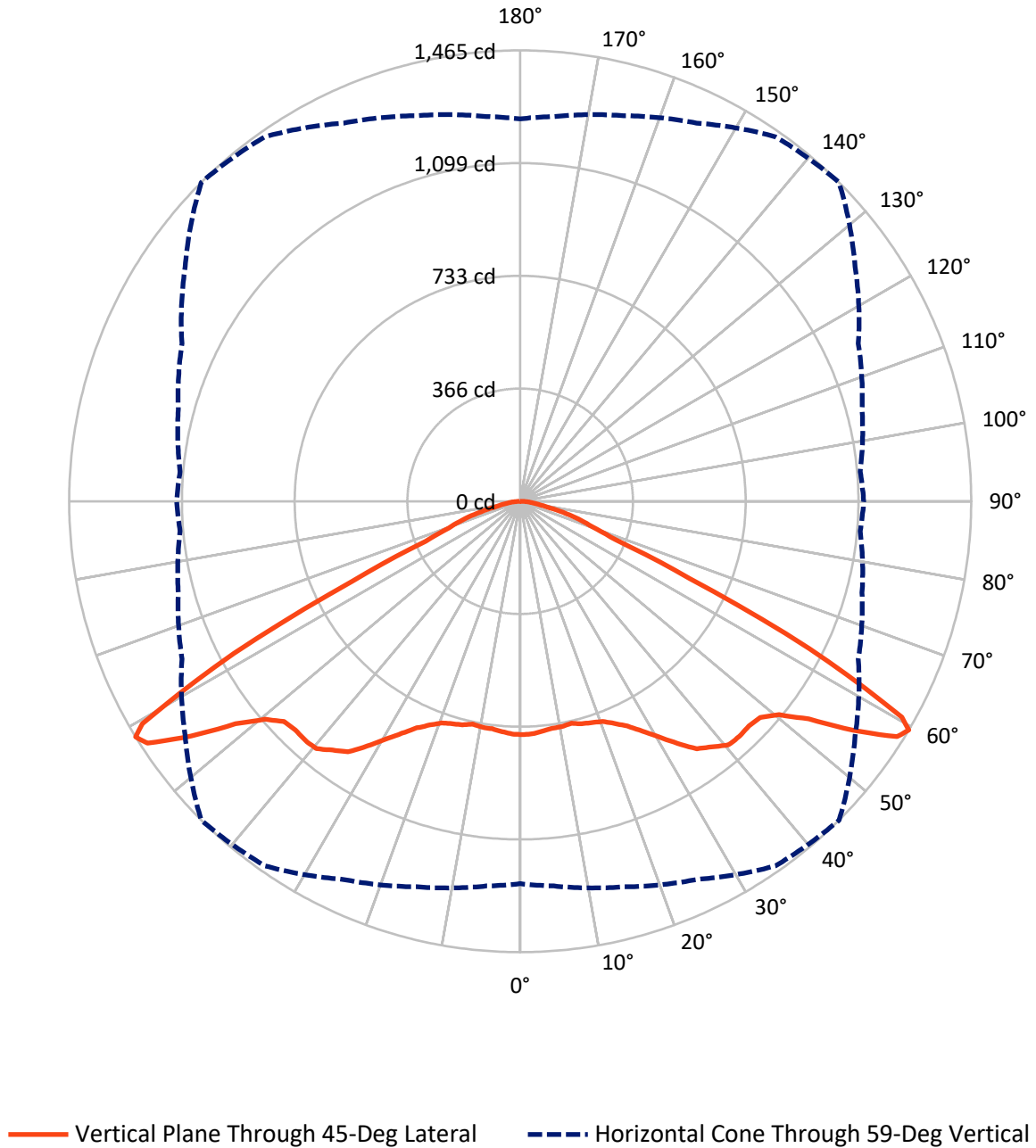
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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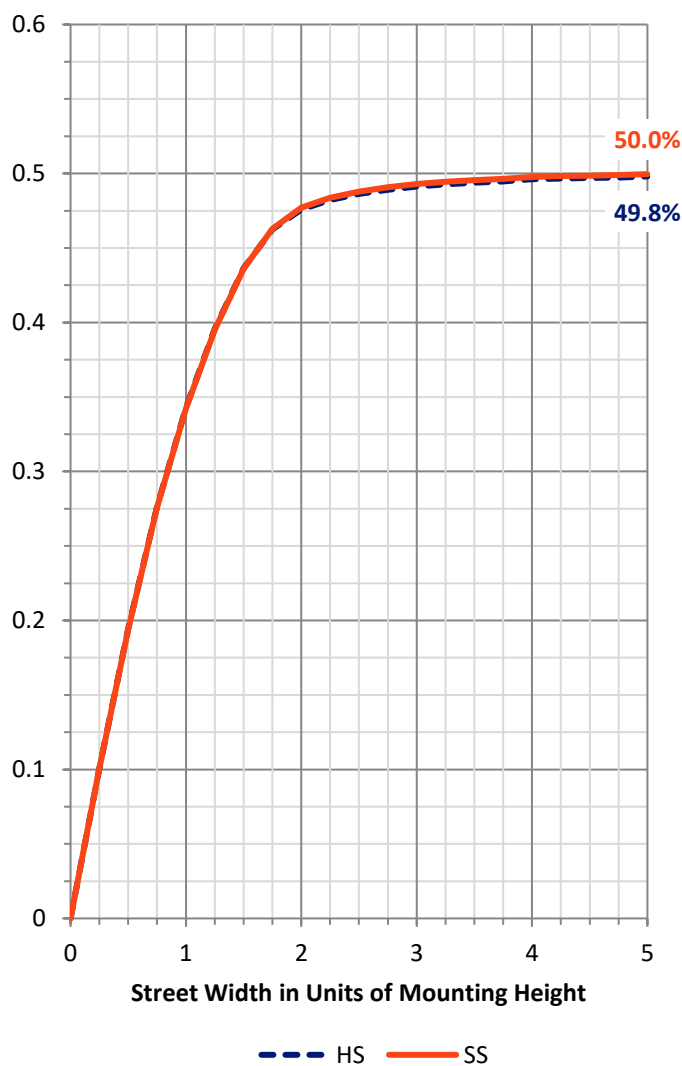
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1963.0	0.0	1963.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1963.0	0.0	1963.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3926.0	0.0	3926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.8
10°-20°	212.6	5.4
20°-30°	371.2	9.5
30°-40°	592.9	15.1
40°-50°	807.6	20.6
50°-60°	1092.1	27.8
60°-70°	598.9	15.3
70°-80°	153.2	3.9
80°-90°	26.1	0.7
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°	3926.0	100.0
0°-180°	3926.0	100.0

Coefficient of Utilization



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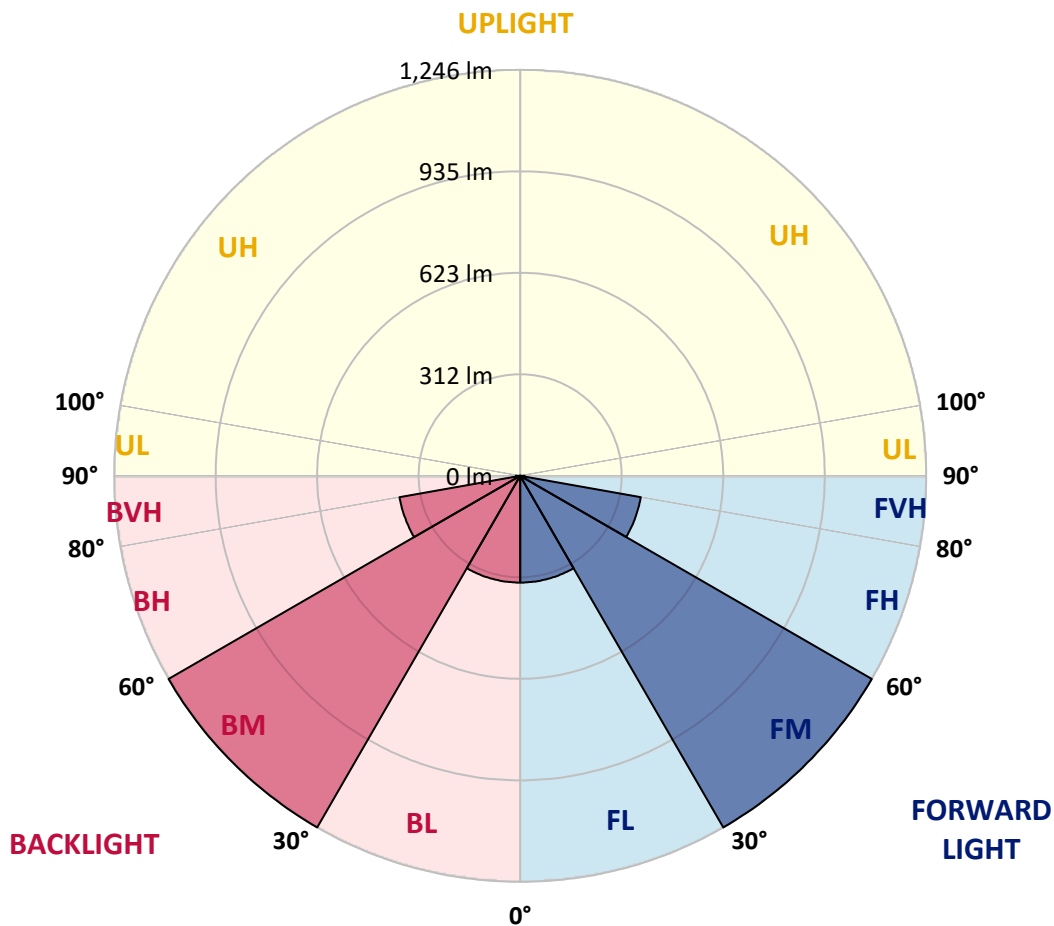
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.6	8.3			
FM (30°-60°)	1246.3	31.7			
FH (60°-80°)	376.0	9.6			G0/660
FVH (80°-90°)	13.1	0.3			G1/100
BL (0°-30°)	327.6	8.3	B1/500		
BM (30°-60°)	1246.3	31.7	B2/2500		
BH (60°-80°)	376.0	9.6	B1/500		G0/660
BVH (80°-90°)	13.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3
2.5°	753.8	759.3	755.3	758.8	758.3	756.8	754.3	752.8	750.8	753.8	748.8
5°	750.8	755.3	759.8	753.8	753.8	750.8	749.3	746.2	746.2	745.7	745.2
7.5°	755.8	751.3	749.3	750.3	751.3	744.7	749.3	743.2	738.2	741.7	745.7
10°	751.3	753.3	745.7	749.3	743.7	744.7	741.7	745.7	740.2	740.2	740.2
12.5°	755.8	750.3	752.8	750.3	748.8	740.2	744.2	739.7	739.2	744.2	739.7
15°	764.9	755.8	753.8	748.8	750.3	750.3	746.2	746.7	741.2	744.2	745.2
17.5°	761.8	756.8	755.3	749.3	754.3	755.8	748.3	743.2	746.7	746.2	745.7
20°	764.4	766.4	764.9	765.9	767.9	763.9	756.8	749.8	745.2	751.8	751.3
22.5°	780.5	778.4	777.4	776.4	780.0	784.0	774.4	763.3	763.3	767.9	769.9
25°	793.5	793.0	792.5	797.1	809.1	809.1	797.1	783.0	779.4	782.5	780.0
27.5°	812.7	818.2	816.2	824.2	841.8	845.9	829.8	813.2	803.6	800.1	804.6
30°	856.4	849.9	851.4	860.0	875.6	888.6	864.0	846.4	833.3	832.8	834.8
32.5°	885.6	890.7	895.2	903.2	927.9	938.0	908.3	879.6	871.5	867.0	868.5
35°	944.0	939.5	938.5	946.5	971.2	987.8	950.5	925.4	914.8	924.9	924.9
37.5°	999.3	986.8	977.2	987.8	1010.4	1012.4	980.7	967.1	961.6	973.2	972.7
40°	1025.5	1024.5	1002.4	1008.4	1038.6	1041.6	1011.9	995.8	994.8	1009.9	1025.0
42.5°	1052.7	1043.1	1021.0	1025.0	1043.6	1044.6	1016.5	1011.9	1023.0	1037.6	1038.6
45°	1057.2	1049.2	1035.1	1025.0	1038.6	1041.6	1025.0	1028.0	1029.0	1046.6	1046.6
47.5°	1066.3	1065.3	1057.2	1049.7	1052.2	1049.7	1039.1	1043.6	1058.7	1067.3	1063.3
50°	1091.4	1080.9	1088.9	1082.4	1082.9	1089.9	1080.4	1084.9	1081.9	1074.3	1069.3
52.5°	1146.8	1141.8	1148.8	1153.3	1158.4	1174.5	1163.4	1139.2	1116.6	1096.5	1096.0
55°	1227.8	1231.3	1244.9	1268.1	1287.7	1313.3	1260.0	1202.1	1165.9	1134.2	1136.2
57.5°	1304.3	1301.8	1320.4	1373.2	1430.6	1443.7	1339.0	1256.5	1197.6	1177.5	1168.9
59°	1242.9	1255.0	1297.2	1356.1	1446.2	1465.3	1328.4	1212.2	1149.8	1109.0	1116.1
60°	1146.3	1150.8	1188.5	1270.6	1392.3	1425.0	1257.5	1143.8	1060.7	1037.1	1047.7
62.5°	810.1	806.6	833.8	900.7	1009.9	1054.2	934.9	854.9	802.6	776.4	782.5
65°	430.7	446.8	457.9	499.7	557.5	604.3	555.0	520.3	491.1	469.5	469.0
67.5°	290.8	288.8	291.4	300.9	320.5	333.6	332.6	315.0	312.5	308.5	313.0
70°	245.1	244.0	239.5	239.5	243.5	246.6	250.1	252.1	256.1	261.2	260.7
72.5°	198.8	196.2	193.2	191.7	196.7	198.3	202.8	204.8	208.3	207.8	212.3
75°	131.3	131.3	134.9	138.9	140.4	143.4	143.9	150.0	150.0	151.0	146.9
77.5°	73.5	71.5	74.0	78.0	81.5	87.1	92.6	97.1	99.6	98.6	98.6
80°	42.8	42.8	45.3	49.8	54.3	59.4	63.4	66.9	69.4	68.4	66.4
82.5°	26.7	26.7	29.2	33.7	37.2	40.3	45.8	50.3	53.3	52.3	49.8
85°	13.6	13.6	16.6	19.6	24.2	26.2	25.7	23.7	23.1	20.6	20.6
87.5°	3.5	3.5	5.0	5.5	4.5	5.0	5.0	5.0	5.0	5.0	5.5
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)