

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: P647754

Luminaire Tested: **GALN-SA2A-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647754
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-SA2A-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3756 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

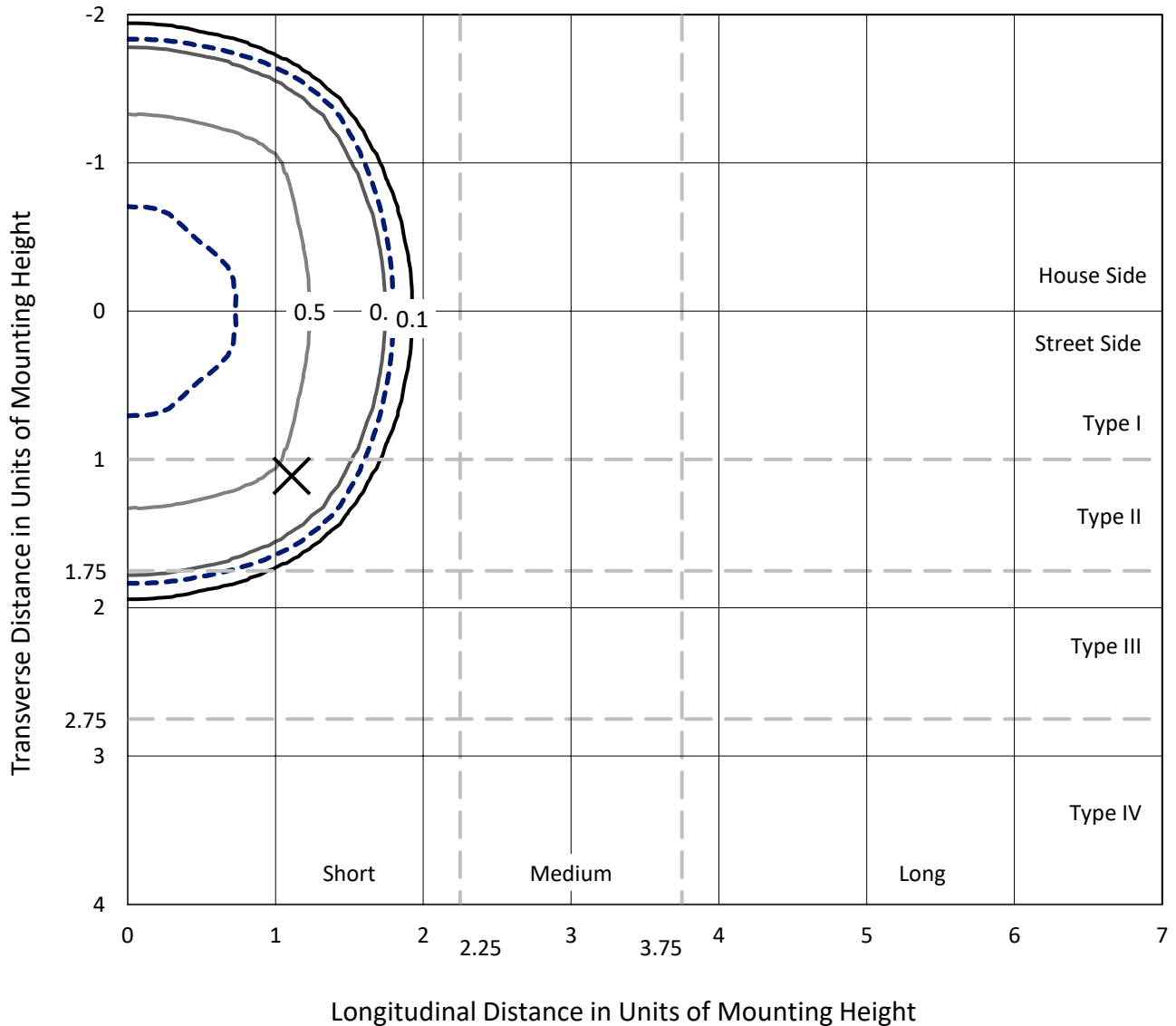
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

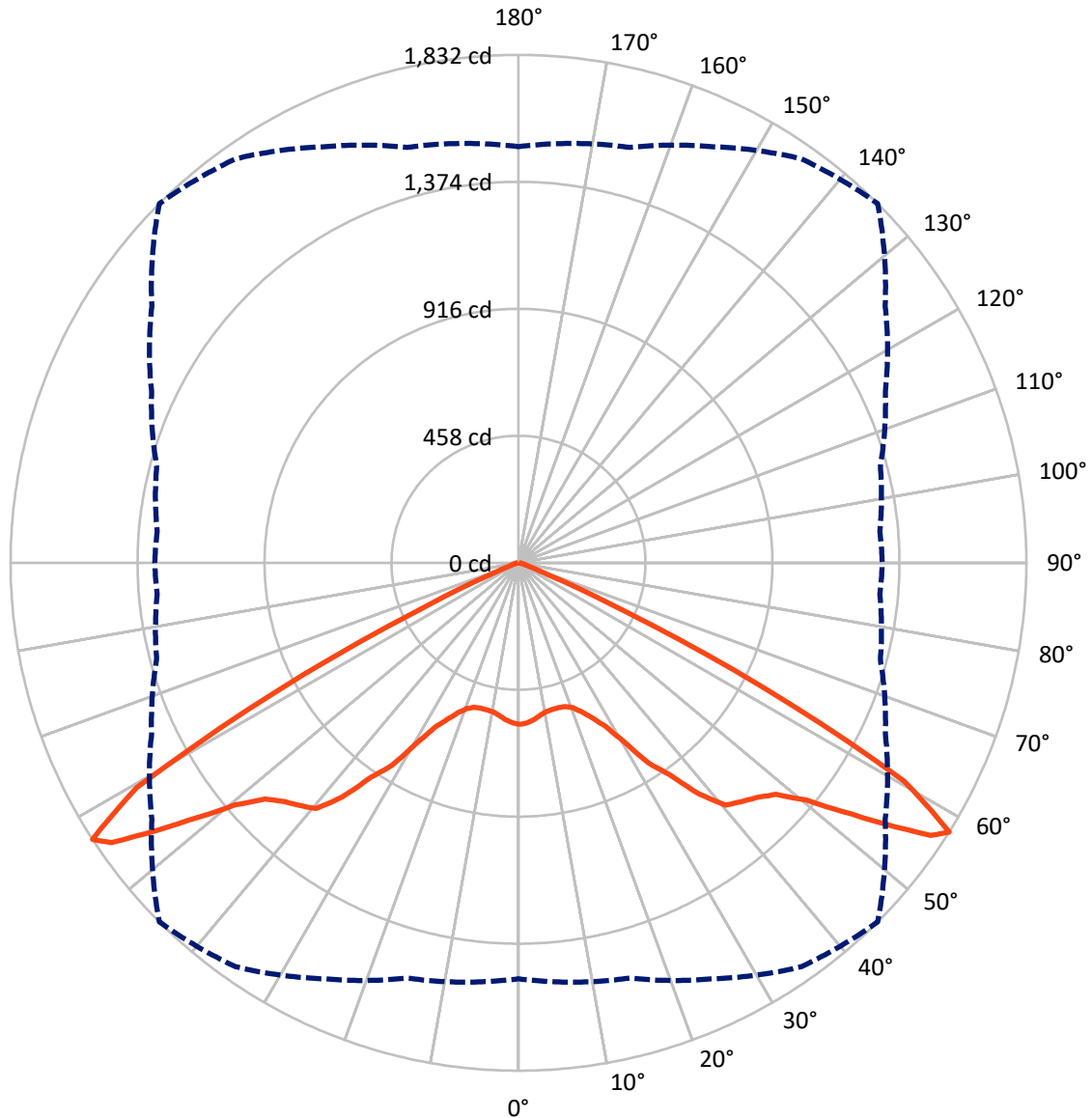
× Max cd
 - - - 1/2 Max cd



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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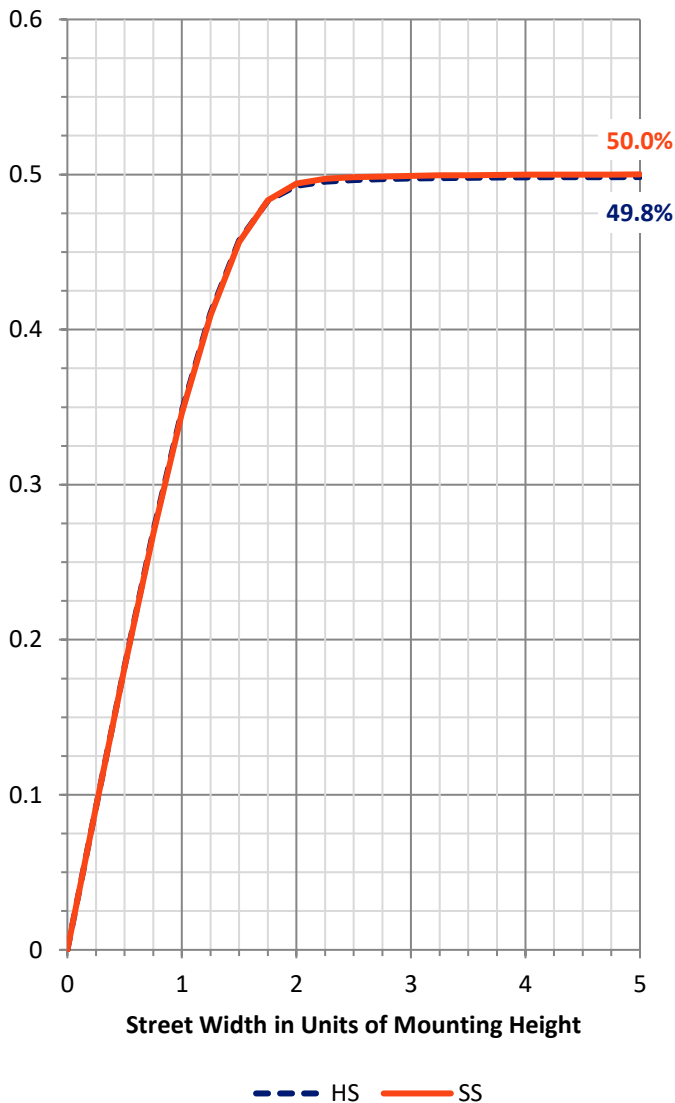
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1878.0	0.0	1878.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1878.0	0.0	1878.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3756.0	0.0	3756.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.4
10°-20°	154.8	4.1
20°-30°	285.7	7.6
30°-40°	561.8	15.0
40°-50°	914.9	24.4
50°-60°	1304.8	34.7
60°-70°	451.8	12.0
70°-80°	24.2	0.6
80°-90°	4.6	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°	3756.0	100.0
0°-180°	3756.0	100.0



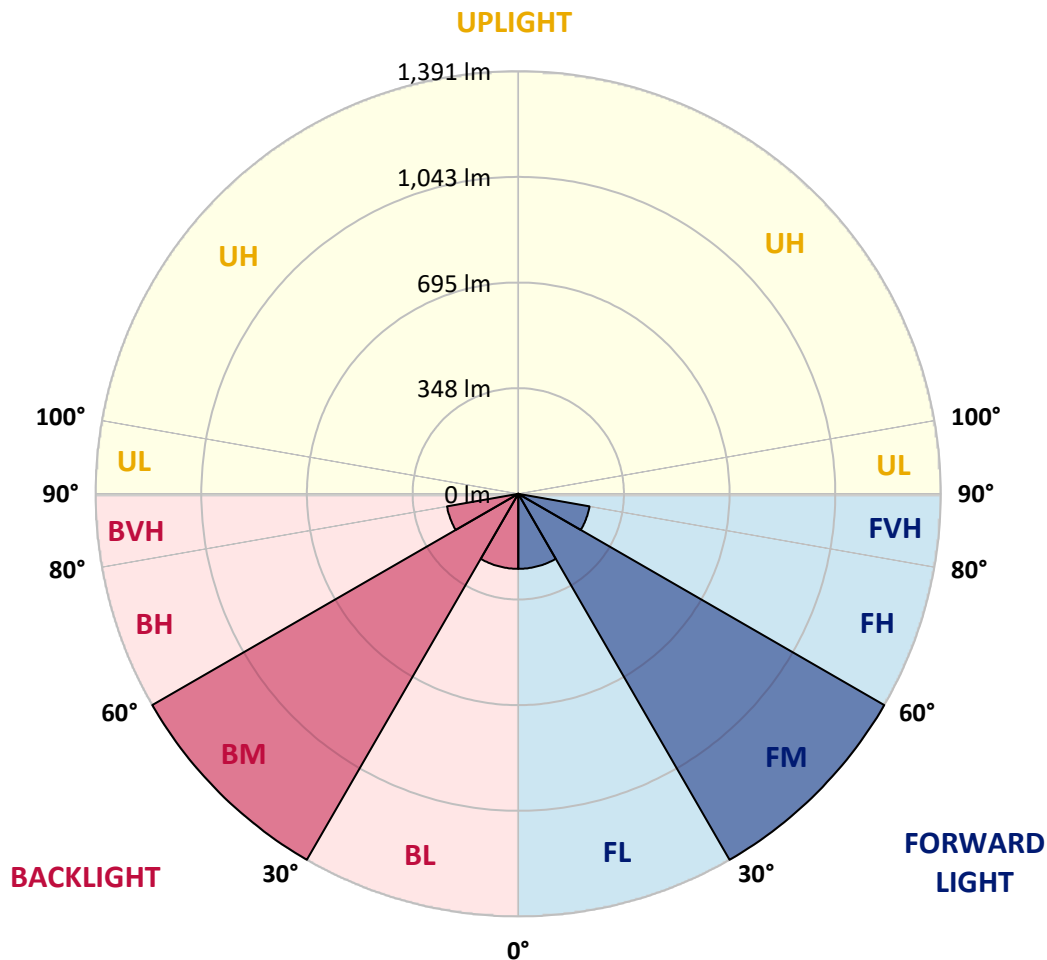
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.0	6.6			
FM (30°-60°)	1390.8	37.0			
FH (60°-80°)	238.0	6.3			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	247.0	6.6	B1/500		
BM (30°-60°)	1390.8	37.0	B2/2500		
BH (60°-80°)	238.0	6.3	B1/500		G0/660
BVH (80°-90°)	2.3	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°	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6	582.6
2.5°	581.1	584.2	580.3	578.7	577.9	577.9	575.6	575.6	574.8	575.6	572.5
5°	571.7	574.8	574.8	574.0	569.3	568.5	566.2	564.6	565.4	562.3	564.6
7.5°	562.3	564.6	561.5	560.7	559.1	556.0	555.2	548.2	549.0	549.0	550.5
10°	560.7	559.9	555.2	551.3	546.6	545.8	543.5	541.9	541.9	541.1	543.5
12.5°	560.7	556.8	556.0	547.4	539.6	542.7	536.4	532.5	538.0	539.6	542.7
15°	559.9	563.8	550.5	546.6	541.1	541.9	536.4	532.5	535.7	537.2	539.6
17.5°	564.6	562.3	558.4	550.5	548.2	545.0	538.0	534.9	534.9	538.8	539.6
20°	577.1	570.9	563.1	559.1	561.5	557.6	549.0	537.2	540.3	543.5	545.8
22.5°	588.9	584.2	578.7	576.4	589.7	583.4	568.5	555.2	550.5	556.0	559.9
25°	611.6	611.6	601.4	604.6	619.4	620.2	603.0	579.5	576.4	578.7	580.3
27.5°	657.8	660.1	651.5	654.7	660.9	666.4	651.5	632.0	624.9	624.1	626.5
30°	707.9	712.6	711.8	725.1	743.1	746.3	724.4	692.3	671.1	667.2	670.3
32.5°	773.7	776.0	774.5	790.1	838.7	861.4	804.2	758.8	730.6	737.7	730.6
35°	897.4	895.0	877.8	881.0	920.9	937.3	882.5	853.5	840.2	854.3	851.2
37.5°	1003.9	995.3	981.2	1001.5	1043.0	1057.9	1000.8	949.9	925.6	949.1	959.3
40°	1093.9	1072.0	1052.4	1072.8	1128.4	1148.7	1065.0	1023.5	1014.1	1031.3	1053.2
42.5°	1169.9	1155.8	1129.9	1131.5	1168.3	1177.7	1110.4	1086.1	1076.7	1104.1	1115.1
45°	1223.9	1210.6	1186.3	1184.8	1212.9	1206.7	1146.4	1129.9	1135.4	1153.4	1158.9
47.5°	1251.3	1258.4	1244.3	1248.2	1263.1	1248.2	1200.4	1200.4	1187.9	1198.9	1193.4
50°	1330.4	1308.5	1326.5	1326.5	1342.1	1343.7	1295.9	1278.7	1245.0	1226.3	1226.3
52.5°	1422.9	1424.4	1431.5	1457.3	1483.9	1506.6	1438.5	1364.9	1308.5	1284.2	1281.1
55°	1498.8	1514.5	1542.7	1591.2	1667.9	1699.3	1581.8	1450.3	1381.4	1343.7	1335.9
56°	1540.3	1525.4	1574.0	1640.5	1740.8	1781.5	1605.3	1467.5	1391.5	1349.3	1348.5
57.5°	1500.4	1516.8	1550.5	1655.4	1778.3	1831.6	1613.9	1459.7	1350.8	1307.7	1311.6
60°	1184.8	1200.4	1245.8	1363.4	1556.0	1597.5	1365.7	1203.5	1106.5	1044.6	1045.4
62.5°	670.3	682.1	717.3	826.1	945.9	985.9	851.2	743.1	675.8	641.4	630.4
65°	246.6	241.9	247.4	303.0	376.6	410.3	353.9	299.1	263.9	251.3	246.6
67.5°	92.4	85.3	79.9	85.3	107.3	113.5	104.1	86.9	81.4	83.8	85.3
70°	57.2	54.0	43.1	40.7	39.9	39.2	41.5	43.8	50.1	58.7	60.3
72.5°	39.9	37.6	30.5	29.0	27.4	26.6	30.5	33.7	39.2	45.4	46.2
75°	15.7	16.4	15.7	17.2	18.0	18.8	21.9	24.3	26.6	26.6	25.8
77.5°	3.1	3.1	4.7	6.3	7.8	10.2	14.9	17.2	18.0	17.2	14.9
80°	0.0	0.0	1.6	3.1	6.3	8.6	13.3	14.9	16.4	14.9	11.7
82.5°	0.0	0.0	1.6	3.9	6.3	7.8	12.5	15.7	18.0	16.4	12.5
85°	0.0	0.0	1.6	3.1	4.7	5.5	5.5	3.9	3.9	2.3	1.6
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)