

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: P652161

Luminaire Tested: **GALN-SA1B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3129.3 lumens
Efficiency: N/A
Efficacy: 71.1 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

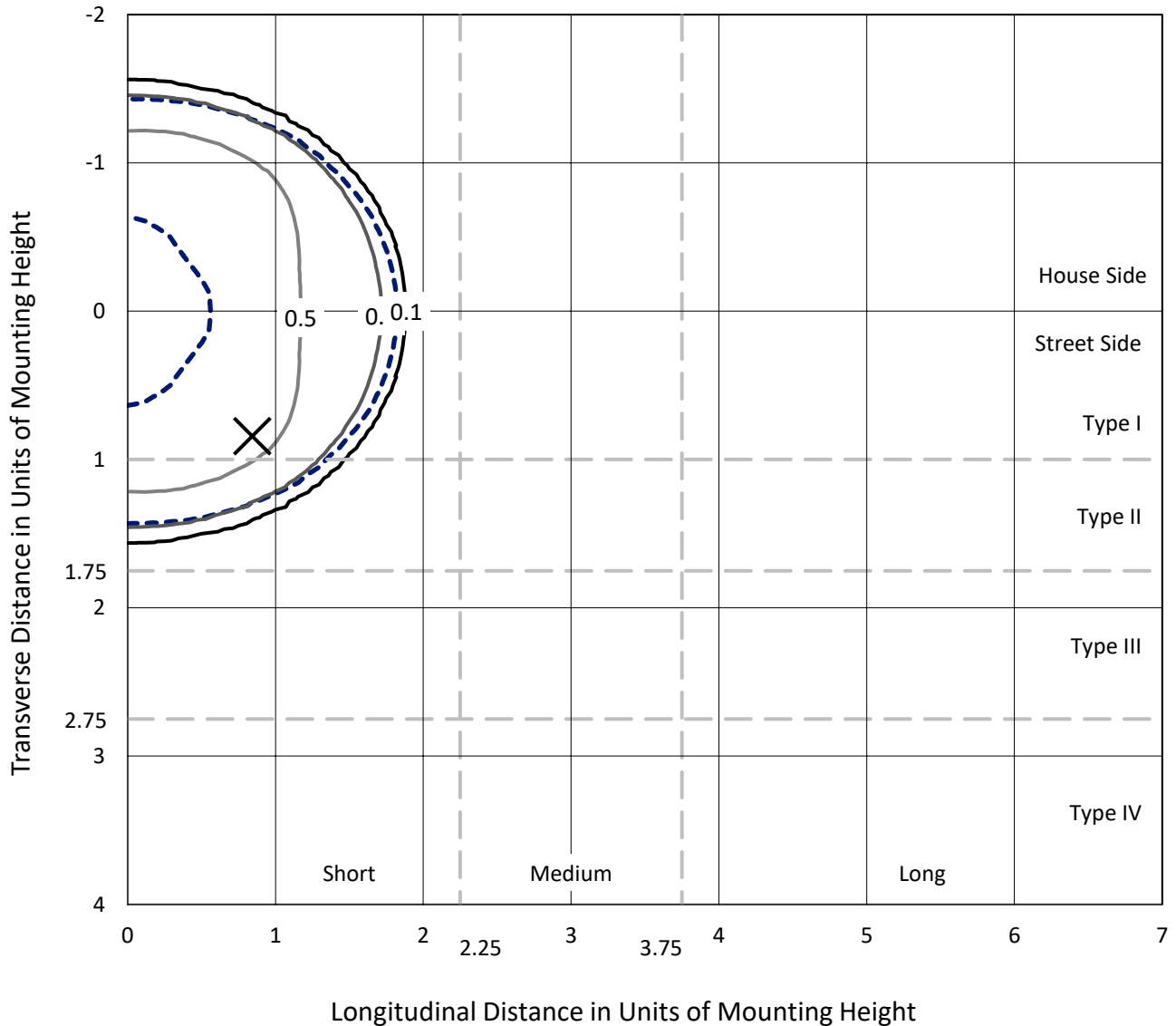
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

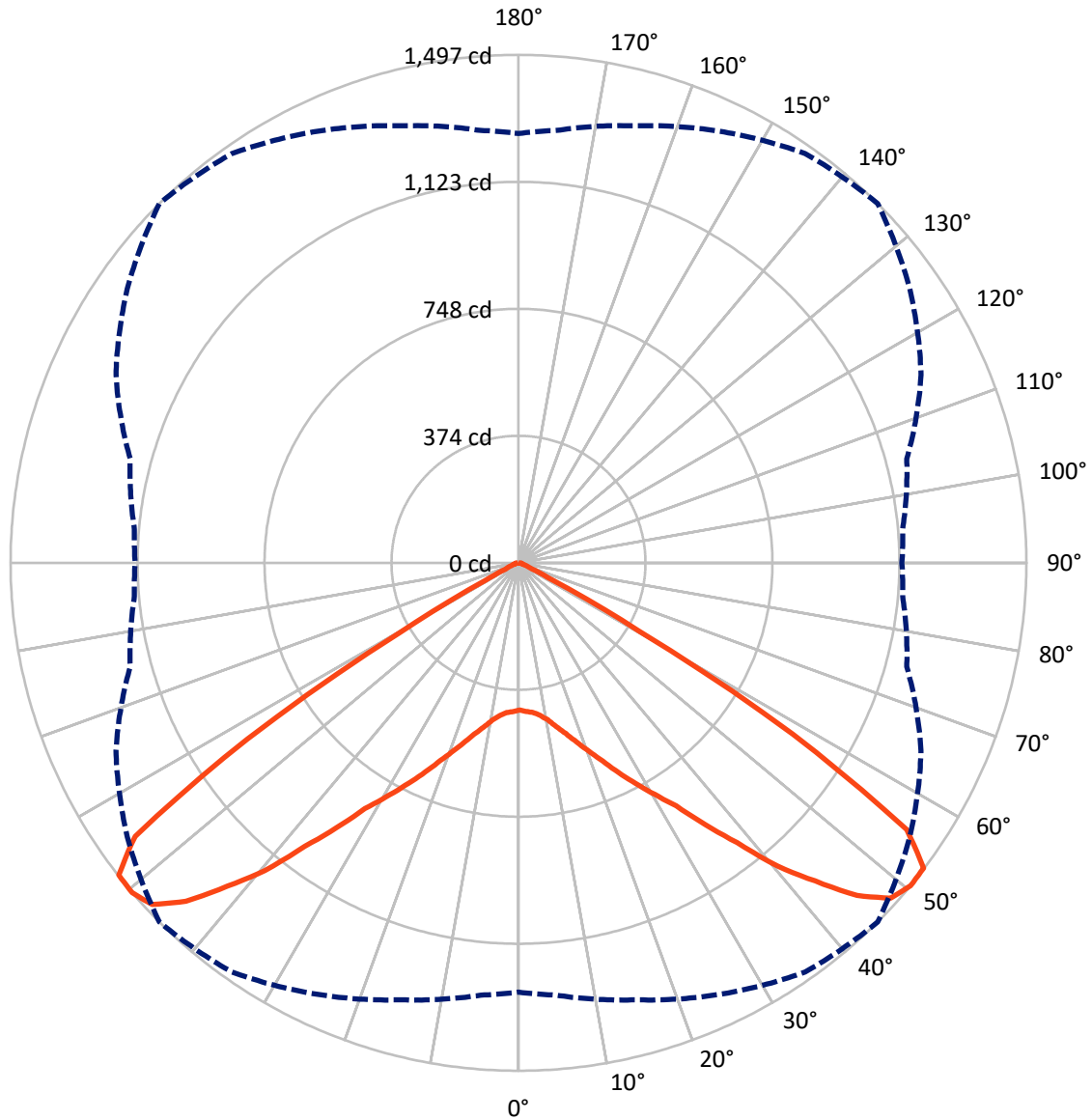
× Max cd
 - - - 1/2 Max cd



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 50-Deg Vertical

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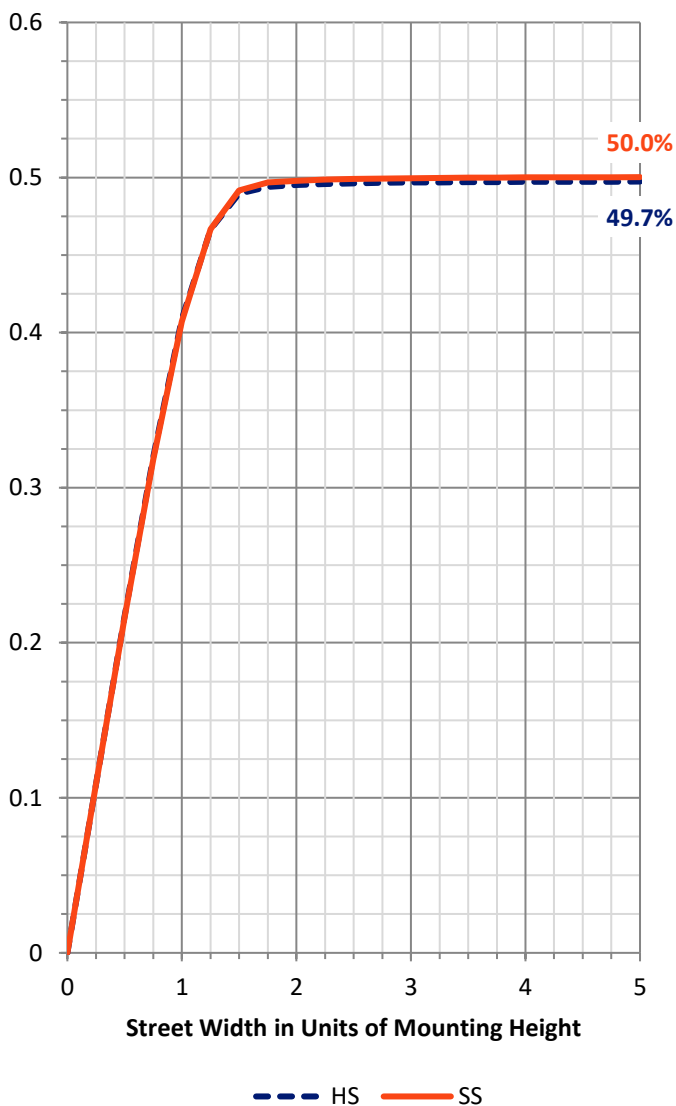
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.7	0.0	1564.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1564.7	0.0	1564.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3129.3	0.0	3129.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.4
10°-20°	148.8	4.8
20°-30°	303.8	9.7
30°-40°	579.4	18.5
40°-50°	976.4	31.2
50°-60°	931.1	29.8
60°-70°	130.0	4.2
70°-80°	12.4	0.4
80°-90°	4.3	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°	3129.3	100.0
0°-180°	3129.3	100.0

Coefficient of Utilization



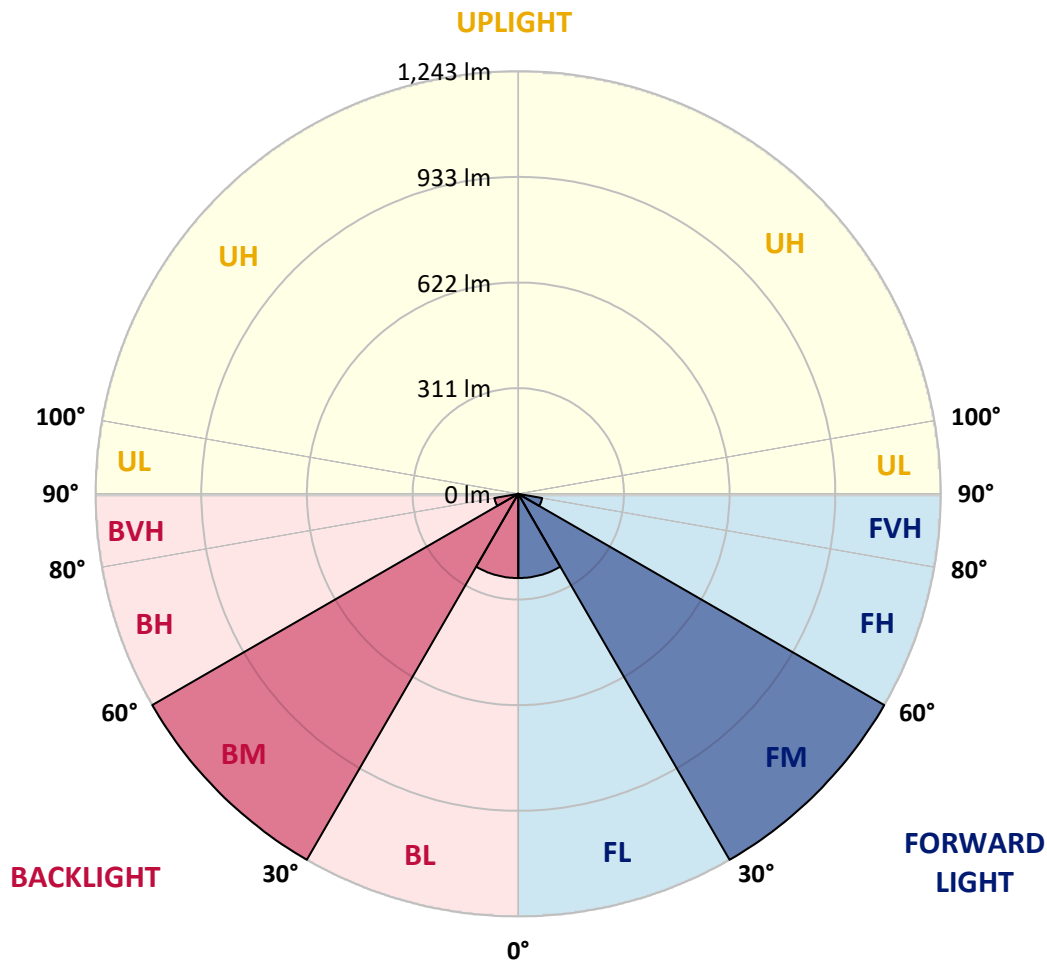
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.9	7.9			
FM (30°-60°)	1243.4	39.7			
FH (60°-80°)	71.2	2.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	247.9	7.9	B1/500		
BM (30°-60°)	1243.4	39.7	B2/2500		
BH (60°-80°)	71.2	2.3	B0/110		G0/660
BVH (80°-90°)	2.1	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°	433.9	433.9	433.9	433.9	433.9	433.9	433.9	433.9	433.9	433.9	433.9
2.5°	432.3	432.3	431.8	436.0	433.9	438.6	438.1	439.7	441.2	440.7	444.9
5°	428.6	428.1	428.1	432.8	437.6	442.8	447.6	450.7	456.0	456.0	461.2
7.5°	432.3	429.7	433.3	435.5	444.4	453.3	461.2	467.5	479.6	483.9	482.3
10°	433.3	436.5	439.1	445.4	456.5	470.2	477.0	492.8	506.5	516.0	518.1
12.5°	440.2	444.9	452.3	467.5	477.5	495.4	504.9	520.2	539.2	549.7	557.1
15°	453.3	454.9	464.4	483.9	505.4	521.8	536.6	547.6	566.0	578.1	578.6
17.5°	470.2	477.0	490.2	508.6	531.3	555.5	567.1	579.2	586.0	602.3	606.0
20°	503.8	504.9	517.6	541.8	570.2	592.3	600.7	607.1	604.4	621.3	624.4
22.5°	535.5	536.6	552.3	585.0	615.5	634.5	638.2	634.5	626.5	638.7	639.7
25°	567.6	577.1	588.6	621.3	659.2	684.5	685.0	675.0	658.7	660.8	666.1
27.5°	617.6	624.4	636.6	666.6	708.2	736.6	731.8	719.7	698.7	700.3	698.7
30°	676.1	682.4	692.4	730.8	761.4	792.4	799.3	787.7	756.1	749.2	757.2
32.5°	746.6	755.6	774.0	809.3	835.0	854.0	858.7	854.5	825.0	822.4	827.7
35°	832.4	844.5	861.4	892.5	913.5	947.7	947.7	933.5	906.7	909.8	909.3
37.5°	923.0	940.9	967.2	998.8	1027.2	1045.7	1039.9	1027.8	1000.9	994.1	1000.9
40°	1036.7	1045.7	1078.8	1119.9	1154.7	1175.7	1151.0	1124.7	1060.4	1070.4	1088.8
42.5°	1140.5	1154.7	1179.9	1225.2	1264.7	1282.1	1252.6	1200.4	1123.1	1115.2	1128.9
45°	1228.9	1244.2	1277.3	1342.1	1383.7	1398.9	1333.7	1249.4	1161.0	1141.0	1146.8
47.5°	1287.8	1295.7	1342.1	1403.7	1441.6	1476.4	1382.6	1283.1	1178.9	1141.0	1138.9
50°	1265.2	1278.9	1333.2	1403.2	1472.2	1496.9	1407.4	1308.9	1184.6	1136.2	1129.9
52.5°	1123.6	1147.3	1207.8	1302.1	1406.3	1494.8	1441.6	1300.5	1182.5	1141.0	1150.4
55°	781.9	782.4	856.1	995.2	1179.4	1387.9	1391.6	1309.9	1196.2	1170.4	1171.0
57.5°	314.4	330.1	386.4	526.0	696.1	953.0	1133.1	1215.2	1197.8	1191.5	1207.8
60°	79.5	80.1	97.4	148.4	244.8	408.6	593.4	802.9	924.6	966.1	971.9
62.5°	40.5	41.0	45.2	52.6	66.9	109.5	194.8	309.1	439.7	505.9	523.4
65°	33.1	33.1	35.8	39.5	40.0	42.1	50.5	72.2	104.8	119.0	120.6
67.5°	25.3	25.3	27.4	29.5	30.5	30.0	28.9	30.0	36.3	34.7	33.7
70°	15.8	16.3	17.4	19.5	20.5	21.0	21.6	22.6	25.8	26.8	25.8
72.5°	9.5	9.5	10.0	11.6	13.2	14.2	15.8	16.8	18.4	21.0	20.5
75°	4.2	4.2	5.3	6.8	8.4	10.0	11.6	13.2	14.2	15.8	16.3
77.5°	1.1	1.6	2.6	4.7	6.3	8.4	10.5	12.1	13.2	13.2	12.6
80°	0.5	0.5	2.1	3.7	6.8	8.9	11.6	12.6	14.2	13.2	11.6
82.5°	0.5	0.5	2.1	3.7	6.3	8.9	12.1	13.7	14.7	13.2	11.0
85°	0.0	0.5	1.6	3.2	5.3	6.3	5.3	3.7	2.1	2.1	1.6
87.5°	0.0	0.0	0.5	0.5	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)