

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: P648202

Luminaire Tested: **GALN-SA1B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-835-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3950.2 lumens  
Efficiency: N/A  
Efficacy: 89.8 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

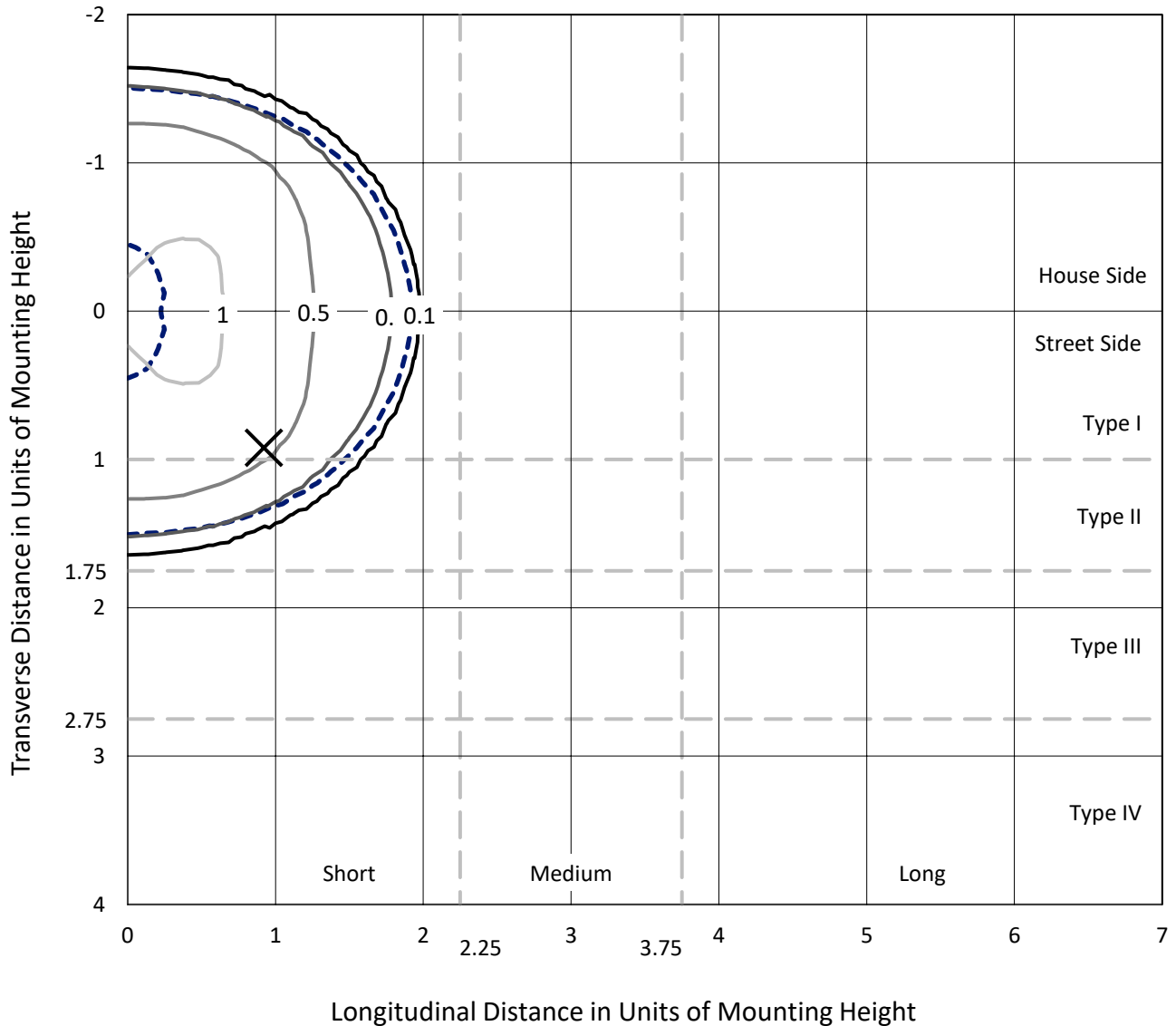
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

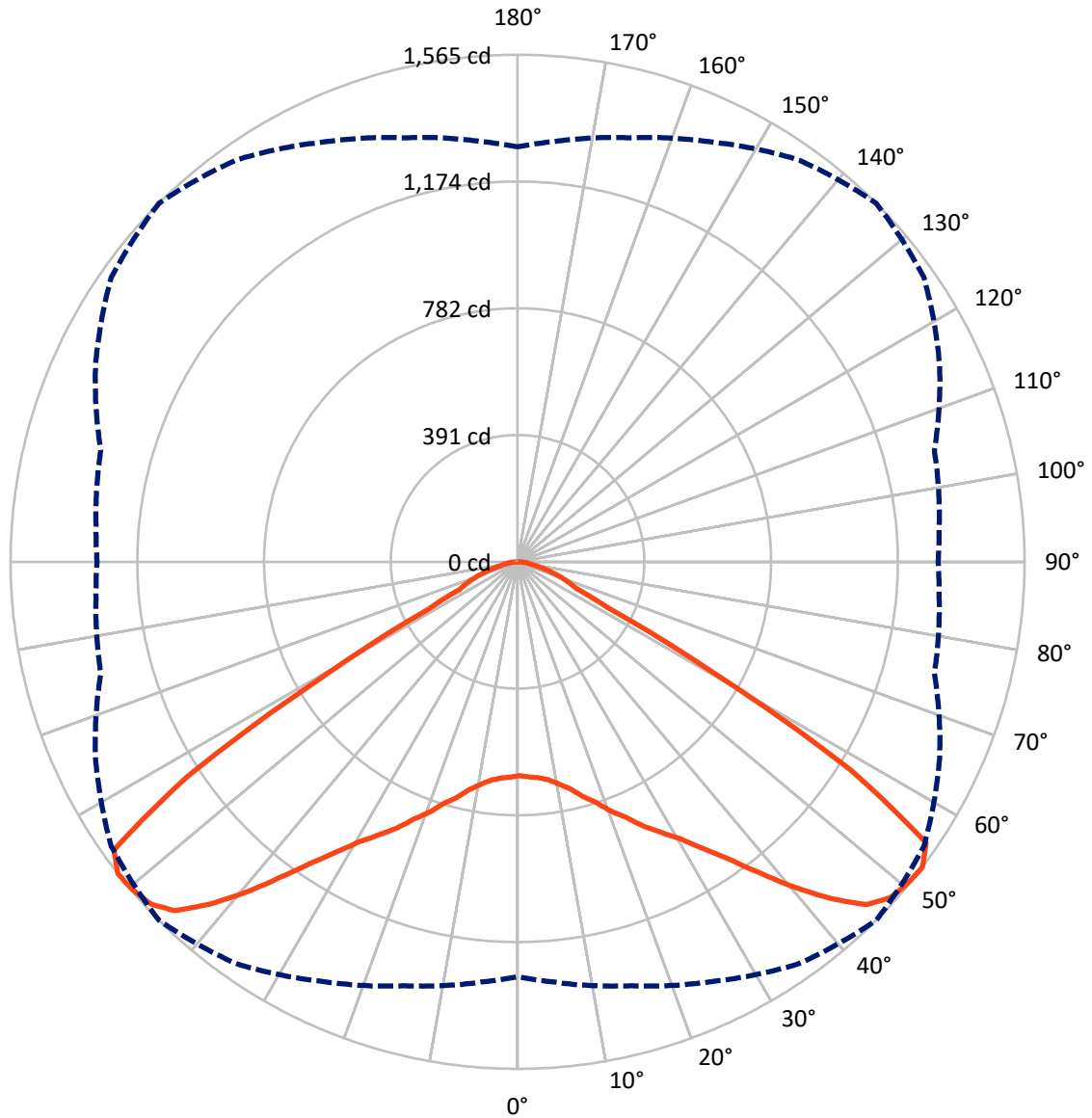
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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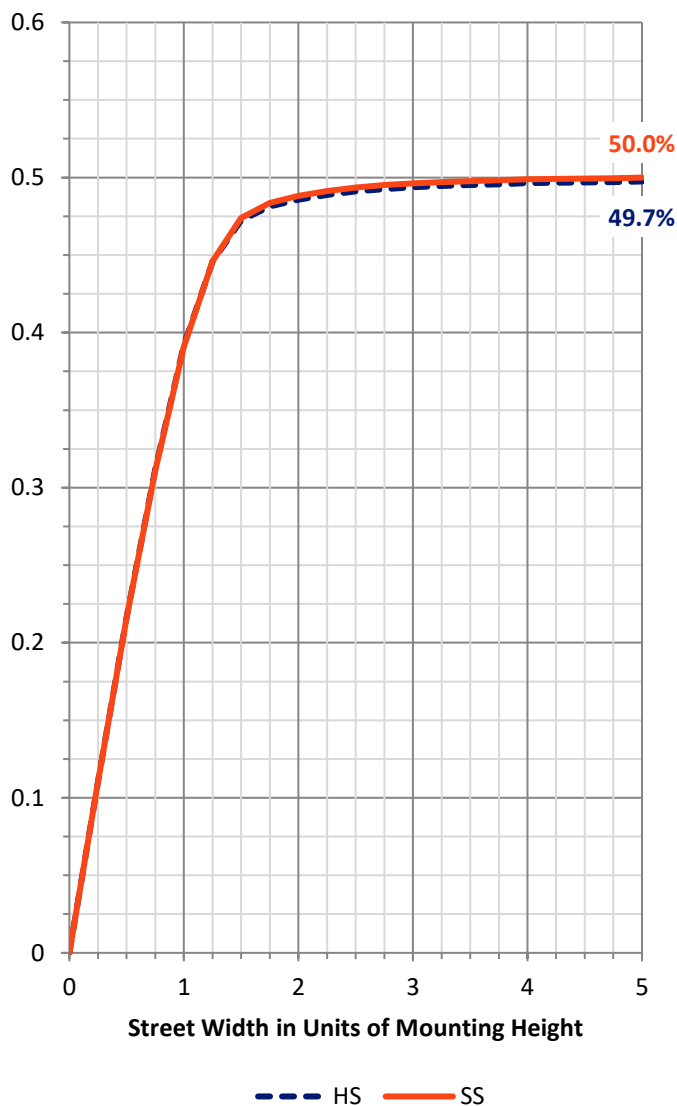
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1975.1	0.0	1975.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1975.1	0.0	1975.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3950.2	0.0	3950.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.9	1.6
10°-20°	213.2	5.4
20°-30°	405.9	10.3
30°-40°	696.9	17.6
40°-50°	1071.1	27.1
50°-60°	1087.7	27.5
60°-70°	303.1	7.7
70°-80°	89.4	2.3
80°-90°	18.0	0.5
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°	3950.2	100.0
0°-180°	3950.2	100.0

**Coefficient of Utilization**

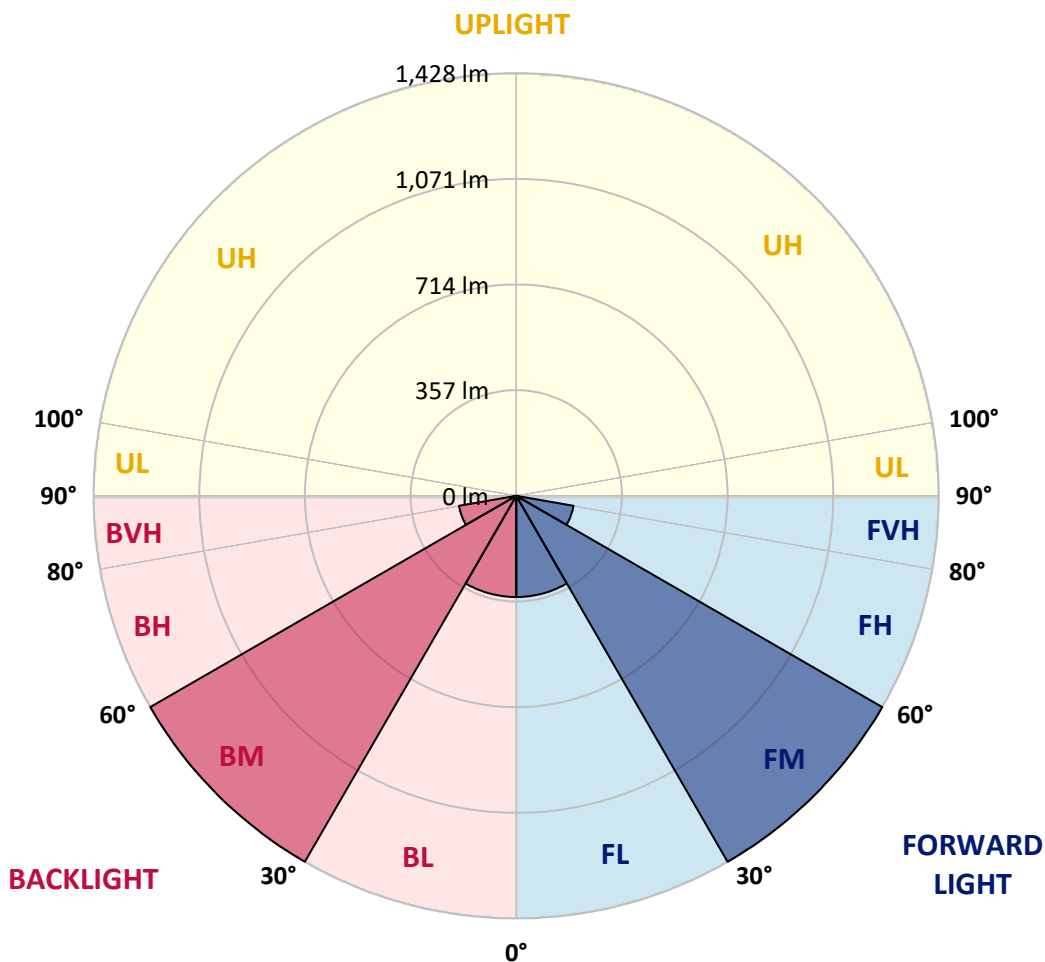


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.0	8.7			
FM (30°-60°)	1427.9	36.1			
FH (60°-80°)	196.3	5.0			G0/660
FVH (80°-90°)	9.0	0.2			G0/10
BL (0°-30°)	342.0	8.7	B1/500		
BM (30°-60°)	1427.9	36.1	B2/2500		
BH (60°-80°)	196.3	5.0	B1/500		G0/660
BVH (80°-90°)	9.0	0.2			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°	660.3	660.3	660.3	660.3	660.3	660.3	660.3	660.3	660.3	660.3	660.3
2.5°	661.8	655.0	657.4	658.9	665.2	664.8	663.3	665.2	667.2	667.7	666.7
5°	661.3	656.4	658.3	659.8	666.3	669.6	668.7	677.0	682.9	681.4	688.8
7.5°	657.4	660.3	657.9	665.2	670.6	678.9	687.8	695.6	703.0	711.4	712.8
10°	666.3	666.3	670.6	676.5	690.8	697.1	709.9	721.1	735.3	745.2	741.2
12.5°	675.5	677.0	677.0	692.2	704.0	718.2	729.9	745.2	765.2	777.0	782.9
15°	684.8	685.8	690.8	711.4	729.0	751.5	762.3	776.0	787.3	809.4	809.9
17.5°	693.2	698.6	713.3	736.3	758.4	779.9	797.1	811.3	821.1	830.0	828.0
20°	724.6	728.5	743.7	766.7	799.5	820.7	826.5	829.0	835.4	853.0	847.6
22.5°	755.0	756.5	770.6	805.9	829.0	856.9	863.3	861.8	864.3	868.7	876.5
25°	786.3	788.8	808.4	838.3	870.6	904.0	909.4	898.1	894.7	899.6	900.1
27.5°	826.5	827.0	852.0	878.0	914.8	946.1	954.5	945.6	929.5	933.4	939.8
30°	877.5	874.1	899.0	936.3	975.1	992.7	1006.9	1002.5	984.9	981.4	976.0
32.5°	936.3	937.3	959.9	1000.5	1026.0	1055.5	1070.7	1063.3	1052.0	1046.2	1049.6
35°	1019.2	1023.6	1038.8	1072.6	1113.8	1128.5	1152.5	1136.8	1107.4	1114.8	1121.2
37.5°	1087.4	1100.0	1128.5	1168.7	1193.2	1220.1	1229.0	1207.9	1186.3	1177.6	1198.6
40°	1191.7	1187.8	1219.2	1259.4	1295.6	1322.6	1311.4	1290.3	1236.8	1237.3	1243.2
42.5°	1281.5	1283.4	1307.5	1355.5	1405.0	1421.7	1385.8	1334.4	1275.1	1268.7	1281.5
45°	1356.9	1364.8	1378.5	1442.8	1491.3	1509.4	1443.2	1382.5	1303.0	1276.5	1297.7
47.5°	1383.9	1396.6	1426.5	1485.4	1533.4	1548.1	1495.2	1407.9	1329.0	1285.8	1297.1
50°	1387.9	1383.4	1432.4	1486.4	1528.5	1560.4	1513.9	1426.5	1322.6	1300.1	1296.6
52.5°	1280.4	1302.1	1354.5	1428.5	1513.9	1564.8	1530.5	1436.9	1331.5	1306.0	1297.7
55°	1036.3	1010.9	1106.5	1231.0	1387.9	1529.5	1524.6	1442.2	1336.8	1315.8	1304.5
57.5°	578.5	585.8	639.7	775.0	977.5	1212.8	1355.5	1385.4	1334.4	1322.2	1328.0
60°	267.6	270.1	293.2	356.4	481.9	687.8	875.6	1066.2	1154.0	1171.6	1171.6
62.5°	199.5	198.6	204.4	215.7	242.2	316.2	422.1	573.5	694.1	778.5	800.5
65°	180.4	179.9	182.8	186.7	188.7	199.0	222.5	269.1	308.3	330.9	327.0
67.5°	157.9	157.4	158.3	160.8	164.2	169.6	175.5	185.3	199.0	198.0	195.6
70°	127.5	127.5	129.0	130.9	134.8	141.2	148.1	154.9	166.7	169.1	168.7
72.5°	94.1	92.6	95.6	99.5	103.4	111.3	118.6	125.0	133.3	135.8	134.8
75°	59.8	60.8	62.7	67.2	74.0	79.4	87.2	92.6	98.0	100.0	100.5
77.5°	33.4	34.3	37.7	43.1	50.0	55.9	62.7	67.2	70.6	71.1	71.6
80°	20.1	20.6	24.0	28.9	34.8	41.2	46.6	51.0	53.9	52.5	52.0
82.5°	12.3	12.8	15.7	20.1	25.0	29.9	35.8	39.7	42.7	40.7	38.8
85°	6.3	6.9	9.3	12.3	16.2	18.6	18.6	16.7	16.2	15.2	14.7
87.5°	2.0	2.0	2.4	3.0	2.4	3.0	3.4	3.9	3.9	4.4	3.9
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)