

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: P646717

Luminaire Tested: **GALN-SA1C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646717
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-SA1C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1050mA 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: 4881.2 lumens
Efficiency: N/A
Efficacy: 85.6 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

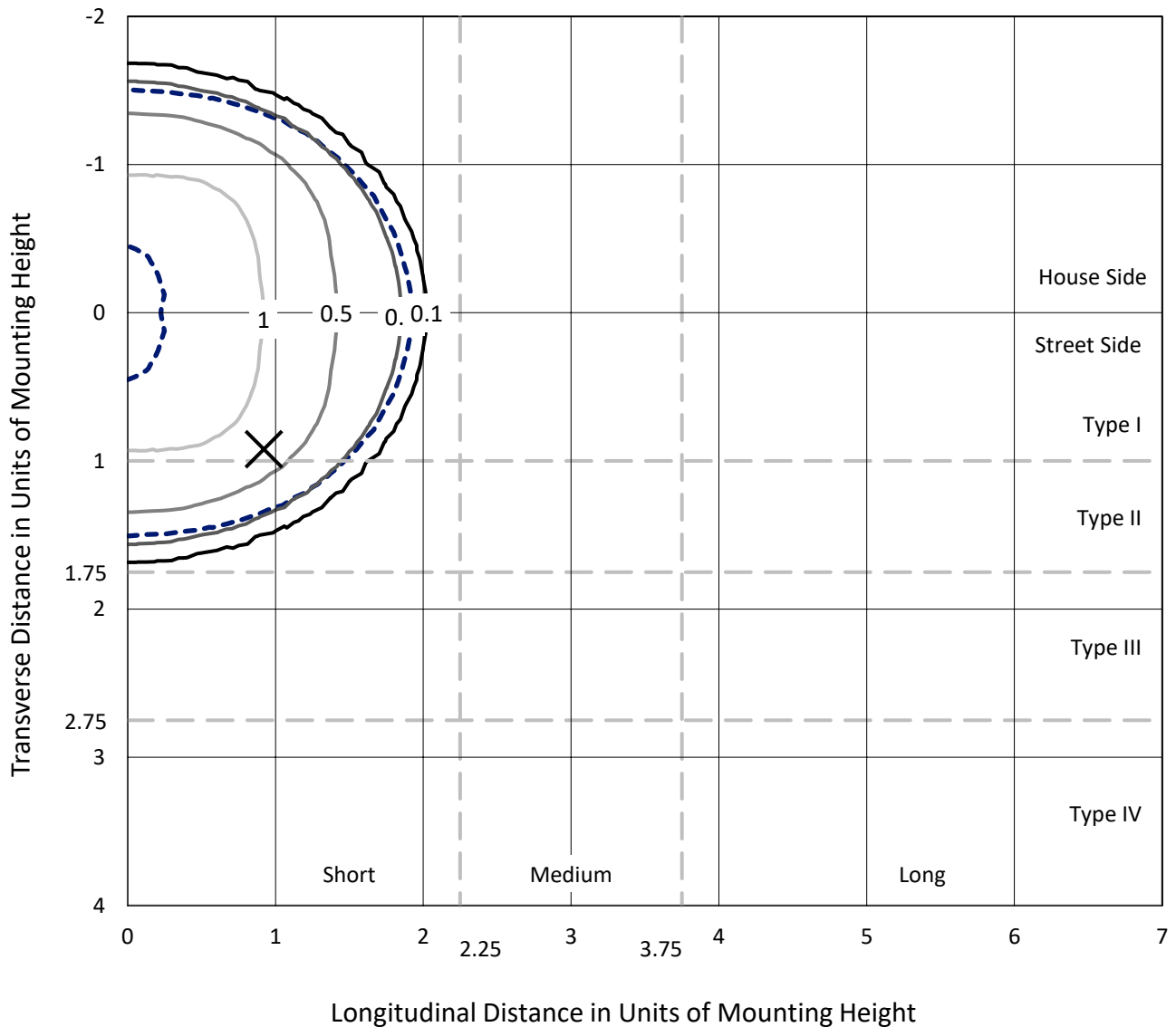
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

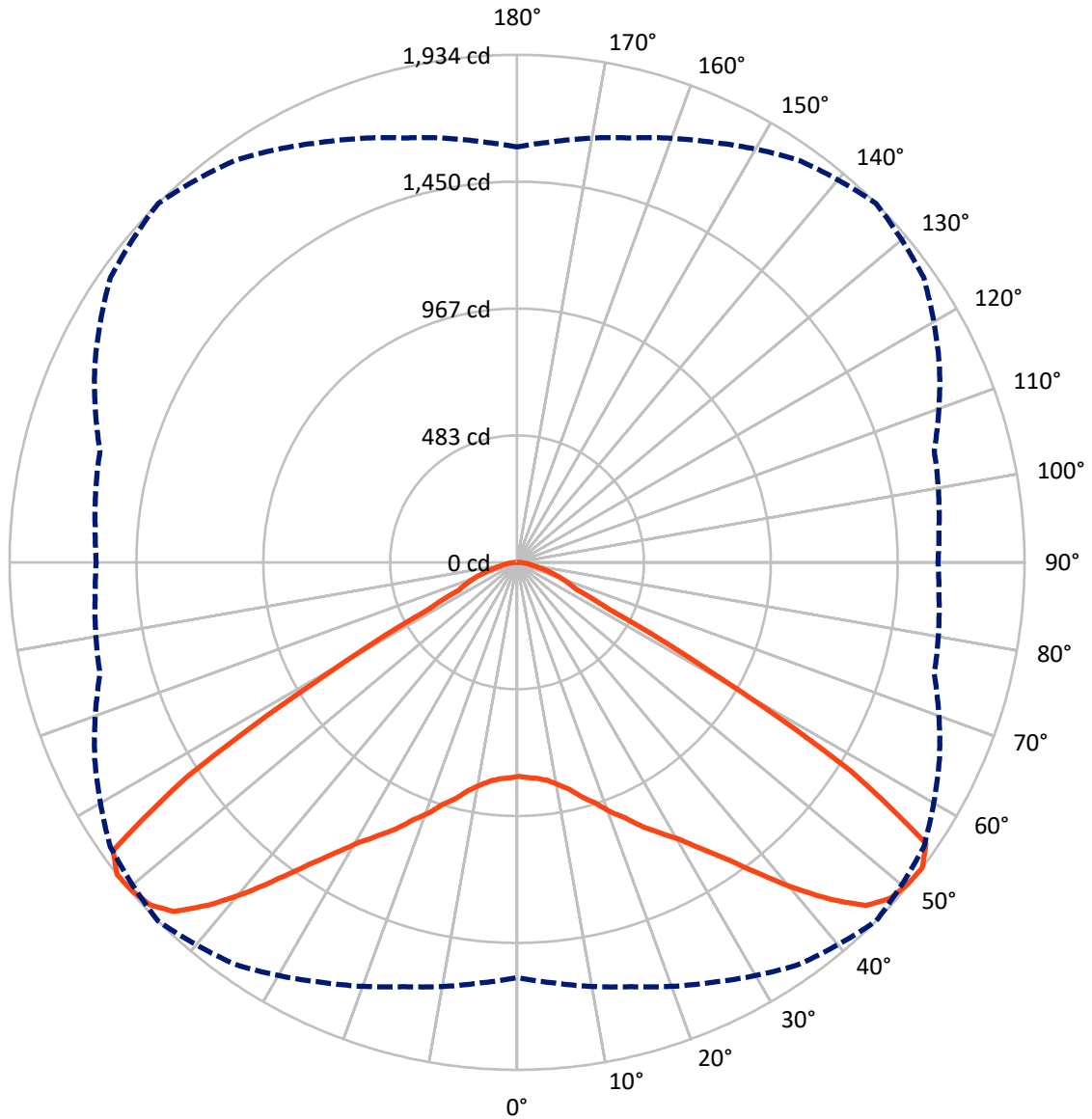
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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
House Side	Lumens	2440.6	0.0	2440.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2440.6	0.0	2440.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4881.2	0.0	4881.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.6
10°-20°	263.4	5.4
20°-30°	501.5	10.3
30°-40°	861.1	17.6
40°-50°	1323.6	27.1
50°-60°	1344.1	27.5
60°-70°	374.6	7.7
70°-80°	110.5	2.3
80°-90°	22.3	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°	4881.2	100.0
0°-180°	4881.2	100.0

Coefficient of Utilization



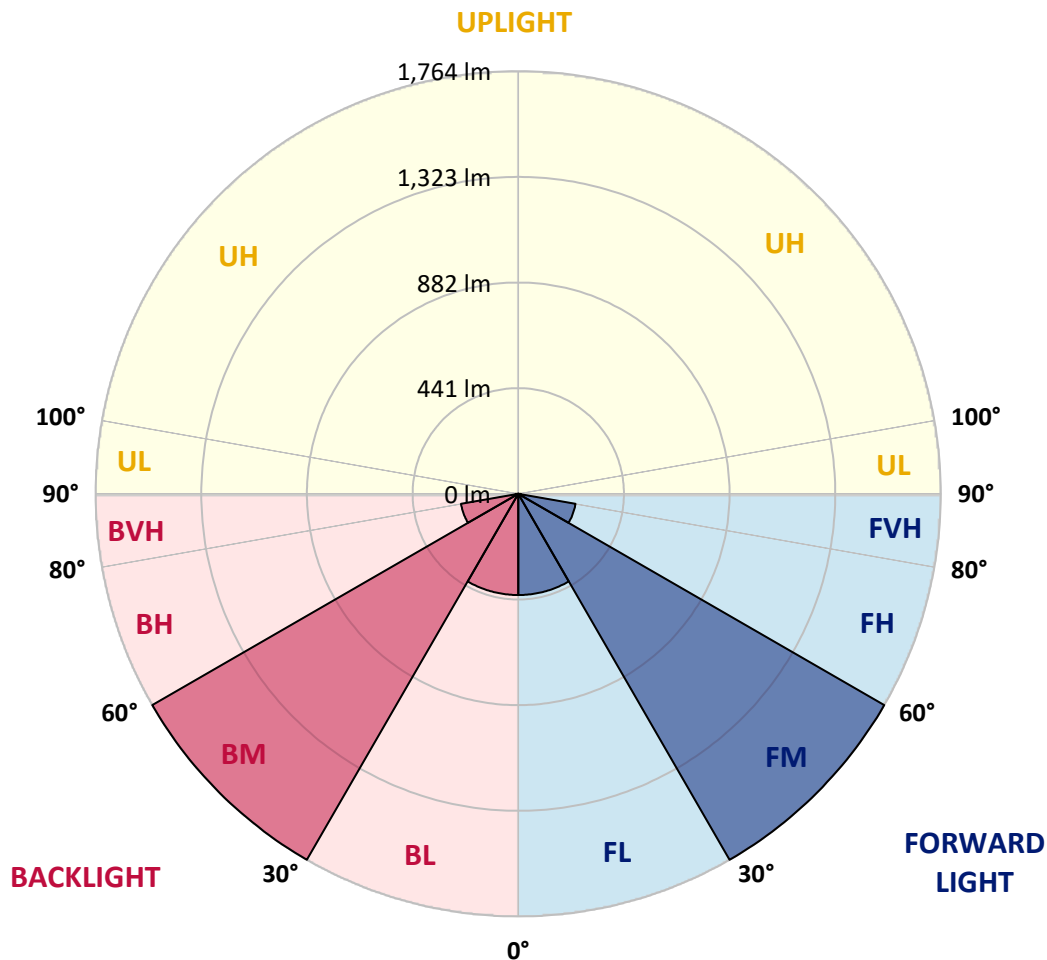
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.5	8.7			
FM (30°-60°)	1764.4	36.1			
FH (60°-80°)	242.5	5.0			G0/660
FVH (80°-90°)	11.1	0.2			G1/100
BL (0°-30°)	422.5	8.7	B1/500		
BM (30°-60°)	1764.4	36.1	B2/2500		
BH (60°-80°)	242.5	5.0	B1/500		G0/660
BVH (80°-90°)	11.1	0.2			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°	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0
2.5°	817.8	809.3	812.4	814.2	822.0	821.4	819.6	822.0	824.4	825.0	823.9
5°	817.1	811.1	813.5	815.3	823.2	827.5	826.2	836.6	843.8	842.0	851.1
7.5°	812.4	816.0	812.9	822.0	828.6	839.0	849.9	859.6	868.7	879.0	880.8
10°	823.2	823.2	828.6	835.9	853.5	861.4	877.1	891.1	908.7	920.7	915.9
12.5°	834.8	836.6	836.6	855.3	869.8	887.5	902.0	920.7	945.6	960.1	967.4
15°	846.3	847.4	853.5	879.0	900.8	928.6	941.9	958.9	972.9	1000.1	1000.8
17.5°	856.5	863.2	881.3	909.8	937.1	963.8	984.9	1002.6	1014.6	1025.6	1023.1
20°	895.3	900.1	918.9	947.4	988.0	1014.1	1021.3	1024.3	1032.2	1054.0	1047.3
22.5°	932.9	934.7	952.3	995.9	1024.3	1058.9	1066.8	1065.0	1067.9	1073.4	1083.1
25°	971.6	974.7	998.9	1035.8	1075.8	1117.0	1123.7	1109.7	1105.5	1111.5	1112.2
27.5°	1021.3	1021.9	1052.8	1084.9	1130.3	1169.1	1179.4	1168.5	1148.5	1153.4	1161.3
30°	1084.3	1080.1	1111.0	1157.0	1204.9	1226.6	1244.3	1238.8	1216.9	1212.7	1206.1
32.5°	1157.0	1158.2	1186.1	1236.4	1267.8	1304.2	1323.0	1313.9	1299.9	1292.7	1297.0
35°	1259.4	1264.9	1283.6	1325.4	1376.3	1394.4	1424.1	1404.8	1368.4	1377.5	1385.4
37.5°	1343.5	1359.4	1394.4	1444.2	1474.4	1507.7	1518.6	1492.6	1465.9	1455.0	1481.1
40°	1472.6	1467.7	1506.5	1556.2	1601.0	1634.4	1620.4	1594.3	1528.3	1529.0	1536.2
42.5°	1583.5	1585.9	1615.6	1674.9	1736.1	1756.7	1712.5	1648.9	1575.6	1567.7	1583.5
45°	1676.7	1686.4	1703.4	1782.7	1842.7	1865.1	1783.4	1708.3	1610.1	1577.4	1603.4
47.5°	1710.1	1725.8	1762.8	1835.4	1894.9	1913.0	1847.6	1739.7	1642.2	1588.9	1602.9
50°	1714.9	1709.4	1770.0	1836.7	1888.8	1928.1	1870.6	1762.8	1634.4	1606.5	1602.3
52.5°	1582.3	1608.9	1673.7	1765.2	1870.6	1933.6	1891.2	1775.5	1645.2	1613.8	1603.4
55°	1280.6	1249.0	1367.2	1521.1	1714.9	1890.0	1883.9	1782.2	1651.9	1625.9	1612.0
57.5°	714.8	723.9	790.5	957.7	1207.9	1498.7	1674.9	1711.9	1648.9	1633.7	1641.0
60°	330.7	333.8	362.2	440.4	595.5	849.9	1081.9	1317.6	1426.0	1447.8	1447.8
62.5°	246.6	245.3	252.6	266.5	299.3	390.7	521.6	708.8	857.8	961.9	989.2
65°	222.9	222.3	226.0	230.8	233.3	245.9	275.0	332.5	381.0	408.9	404.0
67.5°	195.0	194.4	195.7	198.7	203.0	209.6	216.9	228.9	245.9	244.8	241.7
70°	157.5	157.5	159.3	161.8	166.6	174.5	182.9	191.4	205.9	209.0	208.4
72.5°	116.3	114.5	118.2	122.9	127.8	137.5	146.6	154.5	164.7	167.8	166.6
75°	73.9	75.1	77.5	83.0	91.5	98.1	107.8	114.5	121.1	123.6	124.2
77.5°	41.2	42.4	46.7	53.3	61.8	69.1	77.5	83.0	87.2	87.9	88.5
80°	24.8	25.4	29.7	35.7	43.0	50.9	57.6	63.0	66.6	64.8	64.2
82.5°	15.1	15.7	19.4	24.8	30.9	37.0	44.2	49.1	52.7	50.3	47.8
85°	7.9	8.5	11.5	15.1	20.0	23.0	23.0	20.6	20.0	18.8	18.2
87.5°	2.4	2.4	3.1	3.6	3.1	3.6	4.2	4.9	4.9	5.5	4.9
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)