

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: P526925

Luminaire Tested: **GALN-SA1D-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526925
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-SA1D-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3245 lumens
Efficiency: N/A
Efficacy: 49.9 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): 65
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



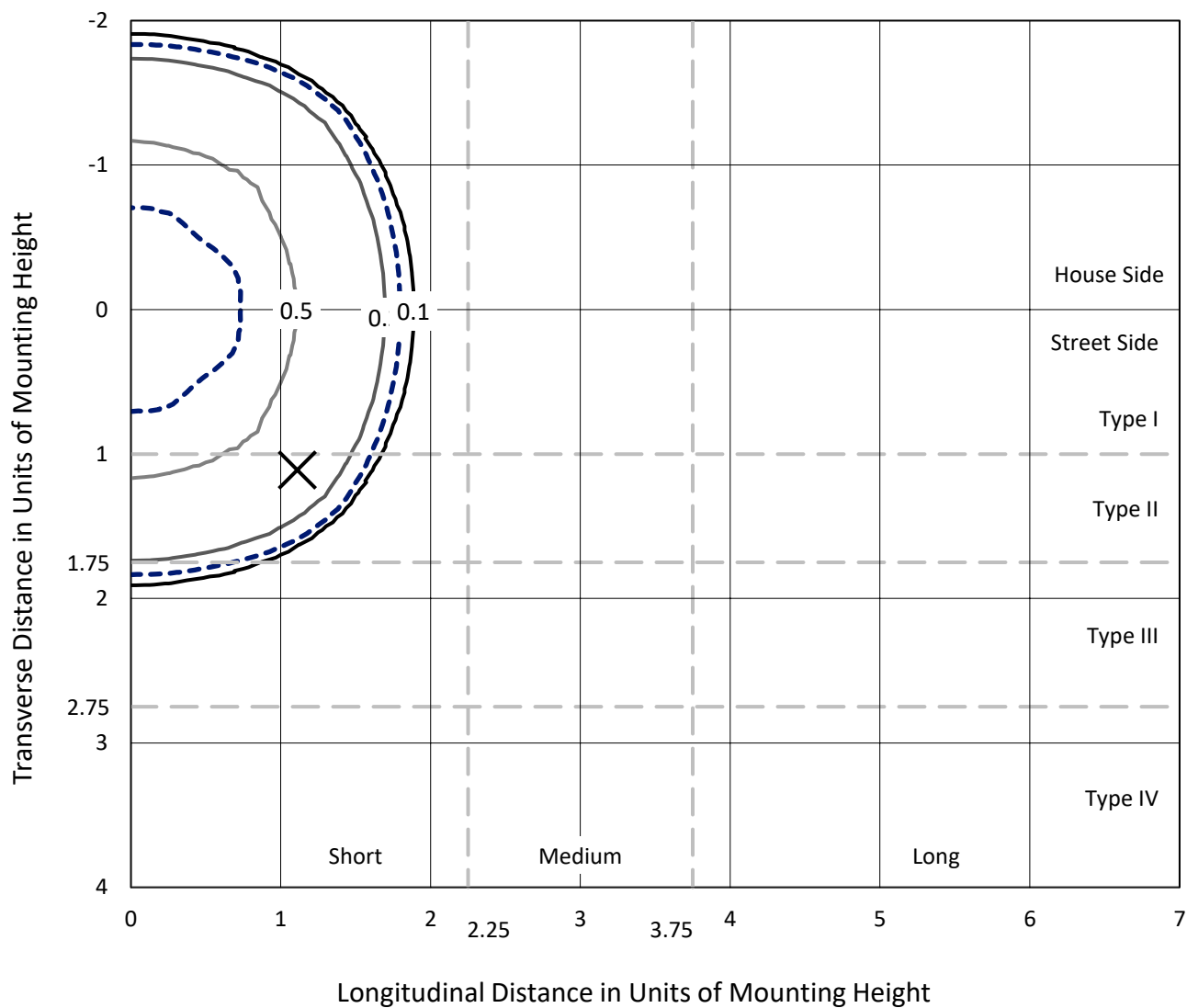
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

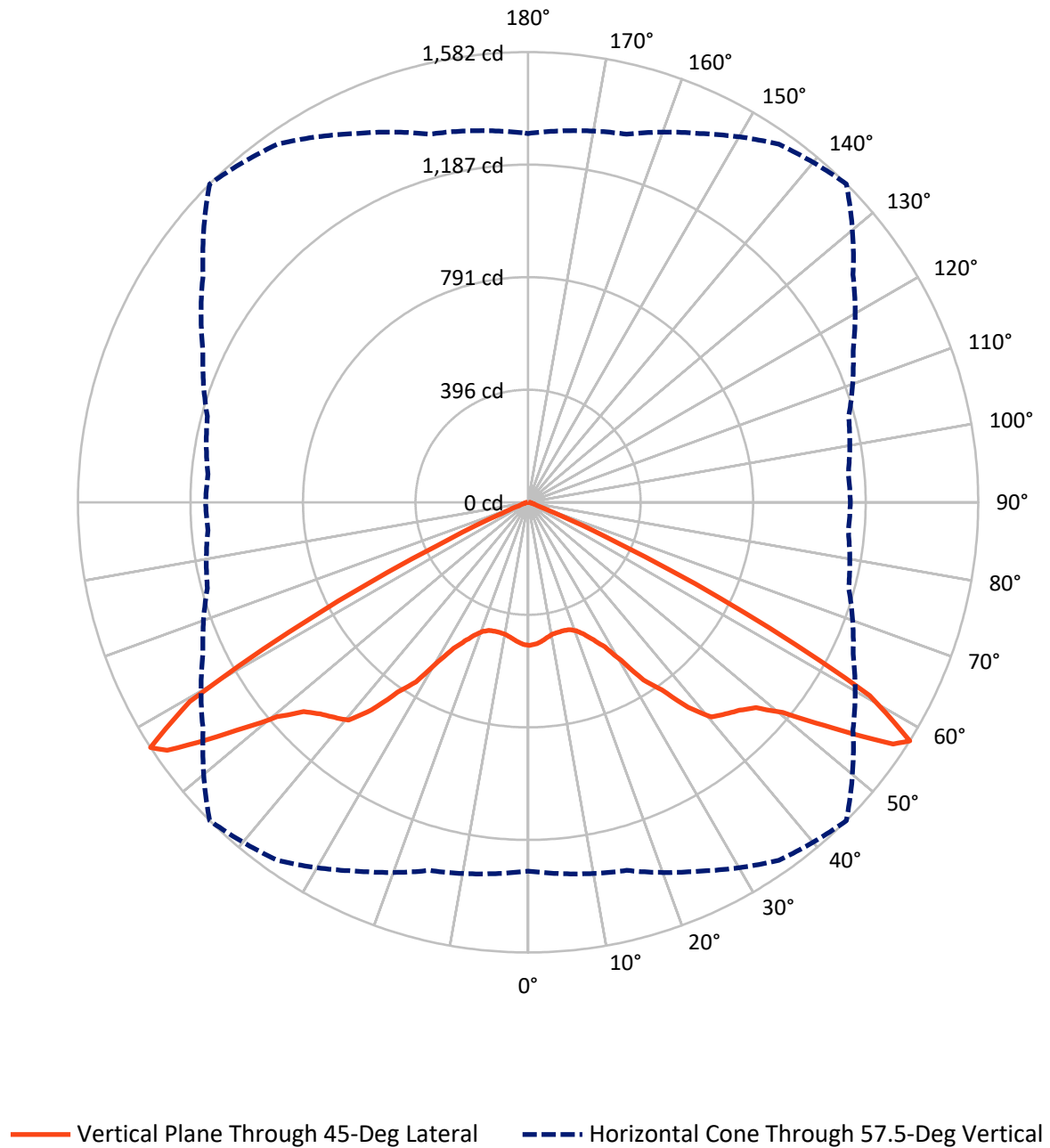
--- 1/2 Max cd



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



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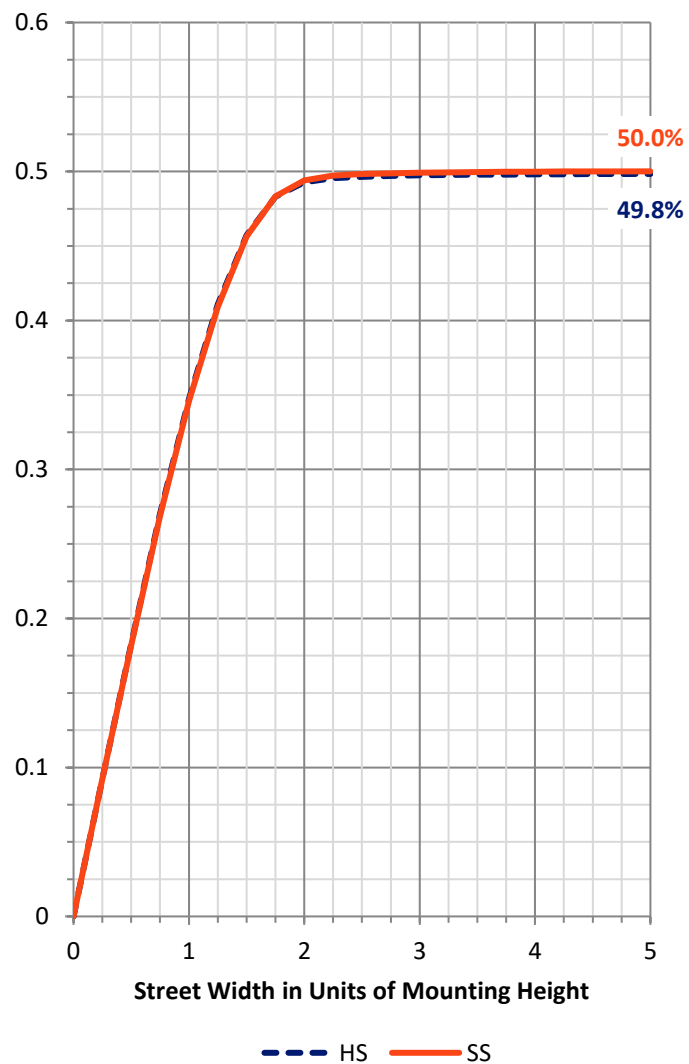
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1622.5	0.0	1622.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1622.5	0.0	1622.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3245.0	0.0	3245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.4
10°-20°	133.7	4.1
20°-30°	246.8	7.6
30°-40°	485.3	15.0
40°-50°	790.5	24.4
50°-60°	1127.3	34.7
60°-70°	390.3	12.0
70°-80°	20.9	0.6
80°-90°	3.9	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°	3245.0	100.0
0°-180°	3245.0	100.0

Coefficient of Utilization



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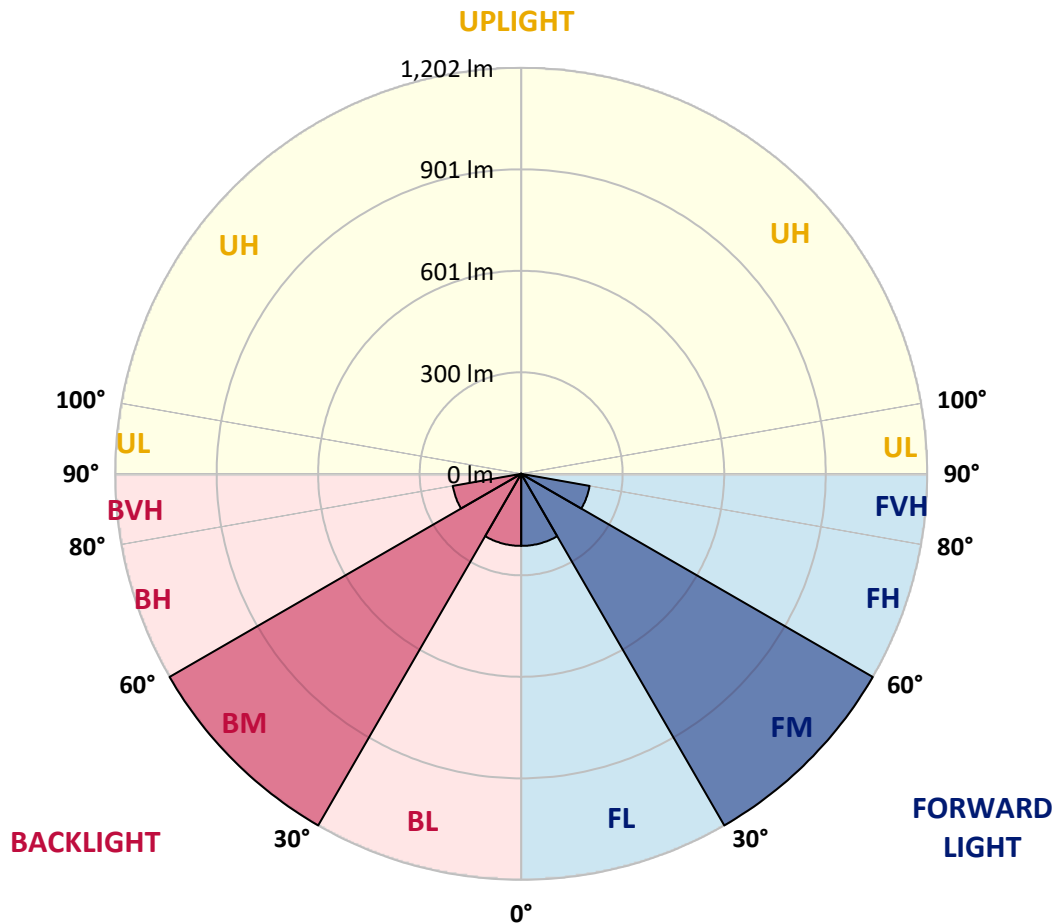
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.4	6.6			
FM	(30°-60°)	1201.6	37.0			
FH	(60°-80°)	205.6	6.3			G0/660
FVH	(80°-90°)	2.0	0.1			G0/10
BL	(0°-30°)	213.4	6.6	B1/500		
BM	(30°-60°)	1201.6	37.0	B2/2500		
BH	(60°-80°)	205.6	6.3	B1/500		G0/660
BVH	(80°-90°)	2.0	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°	503.3	503.3	503.3	503.3	503.3	503.3	503.3	503.3	503.3	503.3	503.3
2.5°	502.0	504.7	501.3	500.0	499.3	499.3	497.2	497.2	496.6	497.2	494.5
5°	493.9	496.6	496.6	495.9	491.8	491.2	489.1	487.8	488.4	485.7	487.8
7.5°	485.7	487.8	485.1	484.4	483.0	480.3	479.7	473.6	474.2	474.2	475.6
10°	484.4	483.7	479.7	476.3	472.2	471.5	469.5	468.2	468.2	467.5	469.5
12.5°	484.4	481.0	480.3	472.9	466.1	468.8	463.4	460.0	464.8	466.1	468.8
15°	483.7	487.1	475.6	472.2	467.5	468.2	463.4	460.0	462.7	464.1	466.1
17.5°	487.8	485.7	482.4	475.6	473.6	470.9	464.8	462.1	462.1	465.4	466.1
20°	498.6	493.2	486.4	483.0	485.1	481.7	474.2	464.1	466.8	469.5	471.5
22.5°	508.7	504.7	500.0	497.9	509.4	504.0	491.2	479.7	475.6	480.3	483.7
25°	528.4	528.4	519.6	522.3	535.1	535.8	520.9	500.6	497.9	500.0	501.3
27.5°	568.3	570.3	562.9	565.6	571.0	575.7	562.9	546.0	539.9	539.2	541.2
30°	611.6	615.6	615.0	626.5	642.0	644.7	625.8	598.0	579.8	576.4	579.1
32.5°	668.4	670.4	669.1	682.6	724.6	744.2	694.8	655.6	631.2	637.3	631.2
35°	775.3	773.3	758.4	761.1	795.6	809.8	762.4	737.4	725.9	738.1	735.4
37.5°	867.3	859.9	847.7	865.3	901.1	914.0	864.6	820.6	799.7	819.9	828.7
40°	945.1	926.2	909.2	926.8	974.9	992.5	920.1	884.2	876.1	891.0	909.9
42.5°	1010.7	998.5	976.2	977.6	1009.4	1017.5	959.3	938.3	930.2	953.9	963.4
45°	1057.4	1045.9	1024.9	1023.6	1047.9	1042.5	990.4	976.2	981.0	996.5	1001.3
47.5°	1081.1	1087.2	1075.0	1078.4	1091.2	1078.4	1037.1	1037.1	1026.3	1035.8	1031.0
50°	1149.4	1130.5	1146.0	1146.0	1159.6	1160.9	1119.6	1104.8	1075.7	1059.4	1059.4
52.5°	1229.2	1230.6	1236.7	1259.0	1282.0	1301.6	1242.8	1179.2	1130.5	1109.5	1106.8
55°	1294.9	1308.4	1332.8	1374.7	1441.0	1468.1	1366.6	1252.9	1193.4	1160.9	1154.1
56°	1330.7	1317.9	1359.8	1417.3	1503.9	1539.1	1386.9	1267.8	1202.2	1165.6	1165.0
57.5°	1296.2	1310.4	1339.5	1430.2	1536.4	1582.4	1394.3	1261.0	1167.0	1129.8	1133.2
60°	1023.6	1037.1	1076.3	1177.8	1344.3	1380.1	1179.9	1039.8	955.9	902.5	903.2
62.5°	579.1	589.3	619.7	713.7	817.2	851.7	735.4	642.0	583.8	554.1	544.6
65°	213.1	209.0	213.8	261.8	325.4	354.5	305.8	258.4	228.0	217.2	213.1
67.5°	79.8	73.7	69.0	73.7	92.7	98.1	90.0	75.1	70.4	72.4	73.7
70°	49.4	46.7	37.2	35.2	34.5	33.8	35.9	37.9	43.3	50.7	52.1
72.5°	34.5	32.5	26.4	25.0	23.7	23.0	26.4	29.1	33.8	39.2	39.9
75°	13.5	14.2	13.5	14.9	15.6	16.2	18.9	21.0	23.0	23.0	22.3
77.5°	2.7	2.7	4.1	5.4	6.8	8.8	12.9	14.9	15.6	14.9	12.9
80°	0.0	0.0	1.4	2.7	5.4	7.4	11.5	12.9	14.2	12.9	10.1
82.5°	0.0	0.0	1.4	3.4	5.4	6.8	10.8	13.5	15.6	14.2	10.8
85°	0.0	0.0	1.4	2.7	4.1	4.7	4.7	3.4	3.4	2.0	1.4
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)