

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: P526897

Luminaire Tested: **GALN-SA1D-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-827-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3953 lumens
Efficiency: N/A
Efficacy: 60.8 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

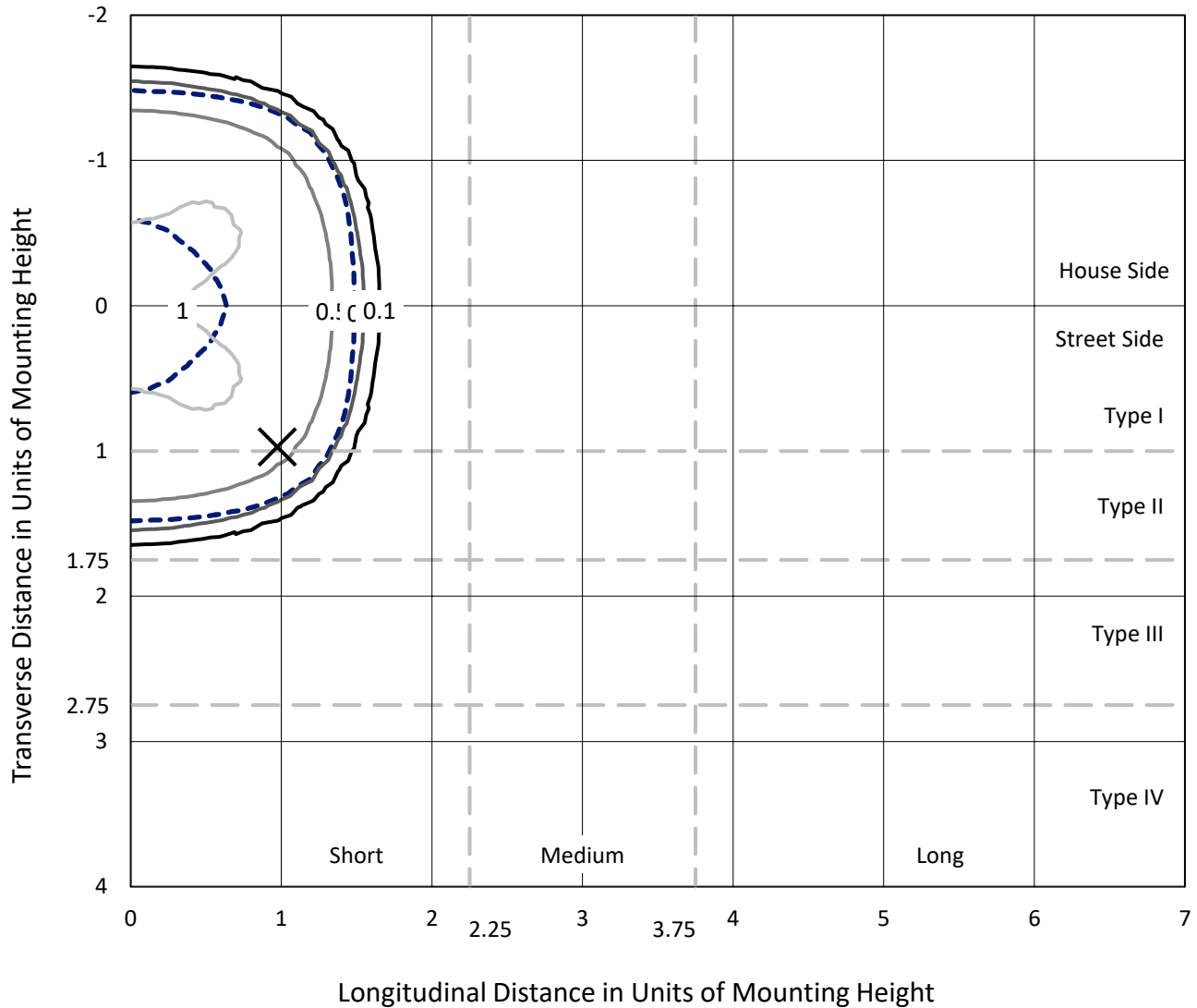
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

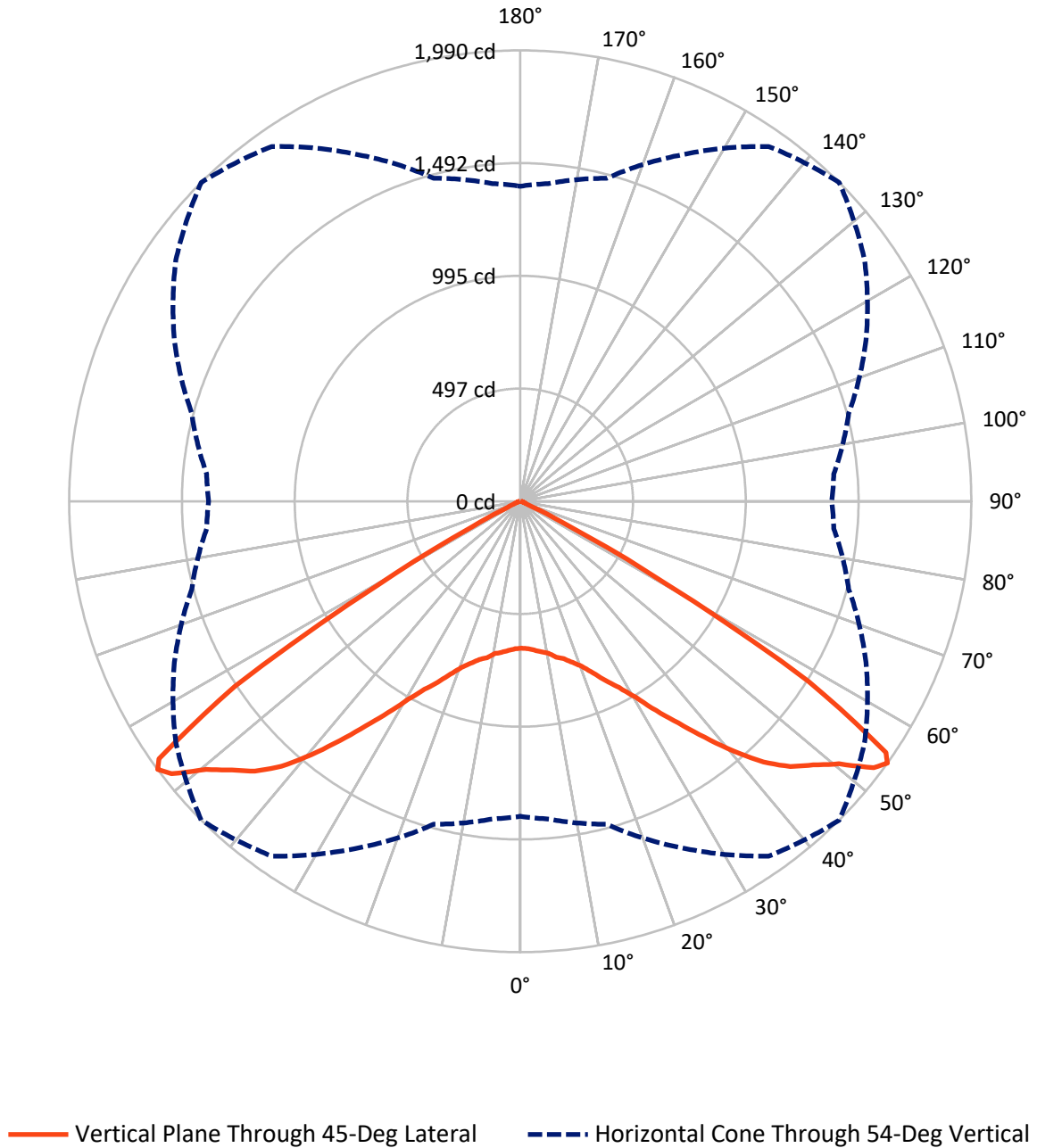
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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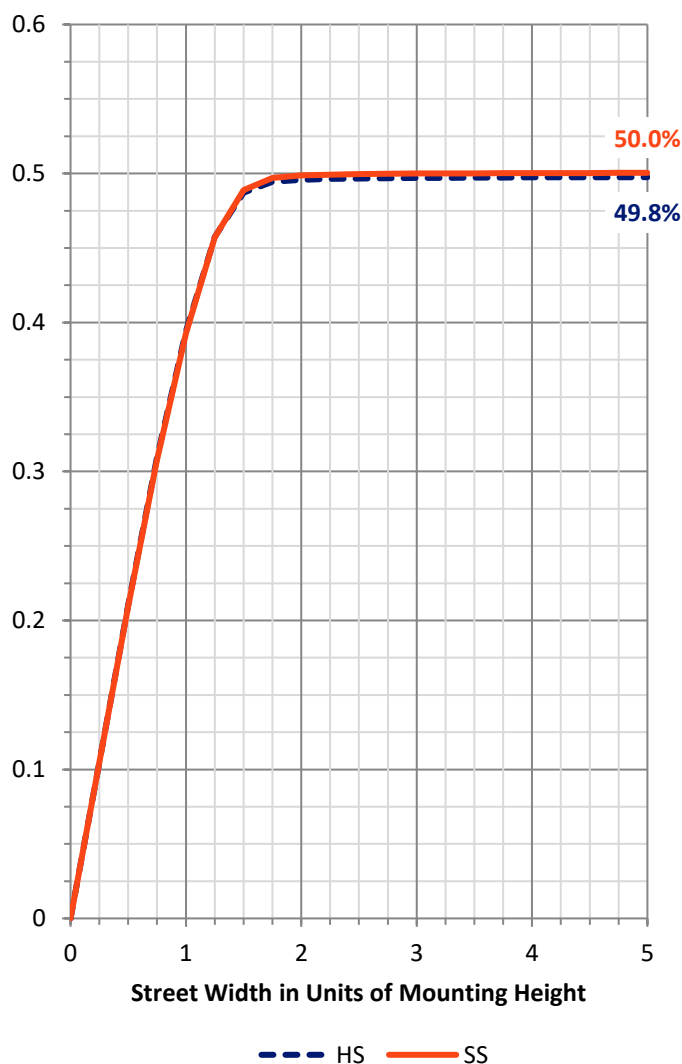
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1976.5	0.0	1976.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1976.5	0.0	1976.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3953.0	0.0	3953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.6
10°-20°	205.4	5.2
20°-30°	402.7	10.2
30°-40°	724.1	18.3
40°-50°	1239.5	31.4
50°-60°	1199.3	30.3
60°-70°	102.7	2.6
70°-80°	12.2	0.3
80°-90°	3.8	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°	3953.0	100.0
0°-180°	3953.0	100.0

Coefficient of Utilization



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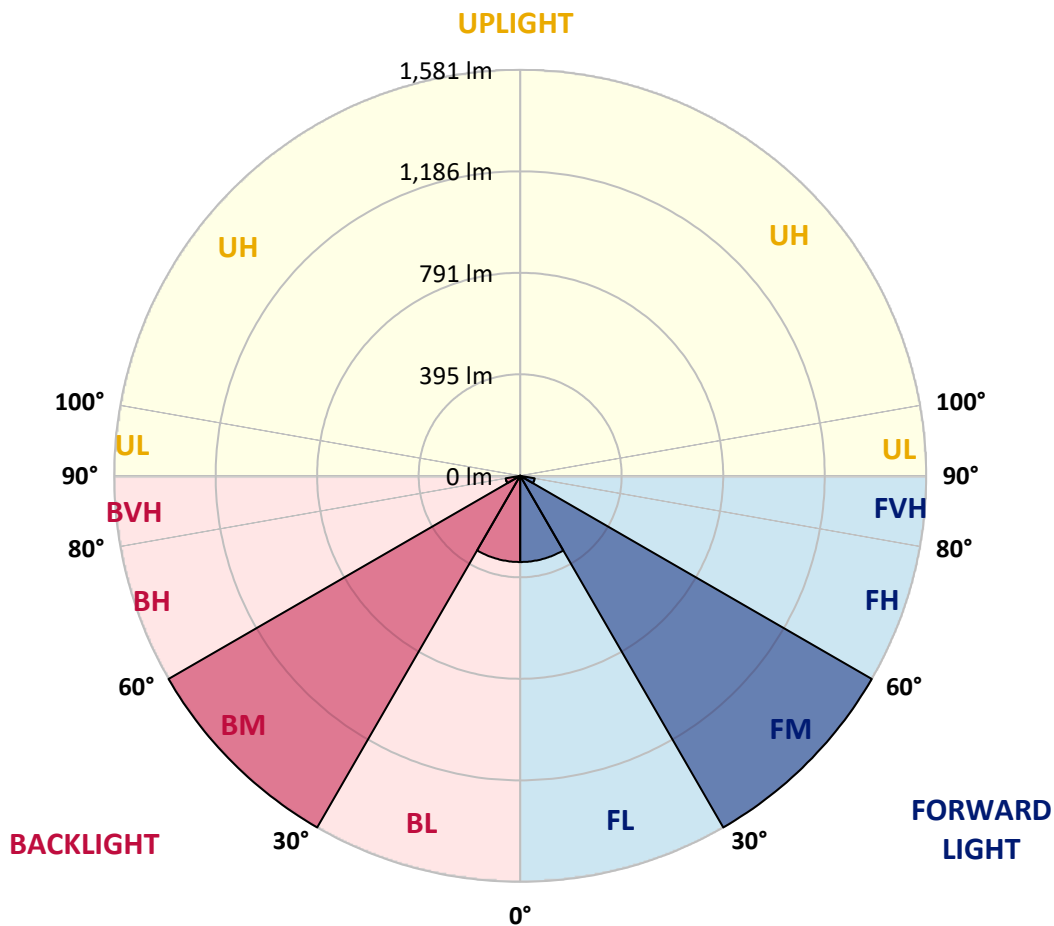
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.8	8.5			
FM (30°-60°)	1581.4	40.0			
FH (60°-80°)	57.4	1.5			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	335.8	8.5	B1/500		
BM (30°-60°)	1581.4	40.0	B2/2500		
BH (60°-80°)	57.4	1.5	B0/110		G0/660
BVH (80°-90°)	1.9	0.0			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°	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2	648.2
2.5°	651.3	655.1	652.6	654.4	654.4	651.3	653.2	645.7	650.7	646.9	647.5
5°	661.3	660.7	660.7	661.3	658.8	660.1	657.6	655.1	653.2	650.7	658.2
7.5°	673.8	673.8	669.5	670.7	669.5	671.3	666.3	661.3	659.4	657.6	656.3
10°	685.7	684.5	682.6	688.2	683.9	681.4	678.9	675.7	668.8	666.3	663.8
12.5°	703.3	702.7	700.1	705.8	703.3	705.8	696.4	688.2	687.0	678.9	683.2
15°	723.9	729.6	725.2	725.2	723.9	720.8	717.1	713.3	702.0	698.9	699.5
17.5°	750.9	749.0	749.6	749.6	755.9	747.7	740.2	730.8	725.2	723.3	717.1
20°	776.6	779.1	778.4	782.8	786.6	777.8	769.7	768.4	752.8	755.3	746.5
22.5°	821.6	819.8	822.9	826.0	823.5	822.3	814.8	805.4	791.6	785.3	784.1
25°	869.2	866.1	860.5	868.0	871.7	877.4	863.0	858.0	836.7	827.3	827.9
27.5°	909.9	914.3	920.6	923.7	933.1	931.2	921.2	904.9	888.6	878.0	871.1
30°	965.7	968.2	978.8	983.2	999.5	1003.9	988.2	969.4	940.6	926.9	918.7
32.5°	1017.0	1034.6	1033.9	1055.9	1082.2	1100.3	1072.1	1043.3	1014.5	998.2	983.8
35°	1100.3	1097.2	1115.4	1138.5	1181.1	1201.8	1171.1	1137.9	1094.1	1067.8	1056.5
37.5°	1178.0	1179.2	1203.7	1240.6	1289.4	1321.4	1294.5	1240.0	1194.9	1161.1	1145.4
40°	1290.7	1293.2	1318.3	1360.2	1415.3	1449.8	1418.5	1363.3	1303.2	1276.9	1276.9
42.5°	1422.8	1433.5	1449.8	1486.1	1535.6	1573.8	1545.6	1502.4	1441.6	1407.8	1412.8
45°	1558.7	1563.7	1574.4	1628.3	1651.4	1670.2	1643.9	1623.9	1583.2	1541.8	1534.9
47.5°	1685.9	1687.7	1719.1	1736.0	1754.1	1738.5	1755.4	1729.1	1683.4	1643.3	1635.1
50°	1742.2	1739.1	1783.6	1834.9	1848.7	1821.1	1806.7	1789.2	1719.7	1671.5	1650.2
52.5°	1578.2	1596.3	1679.0	1821.8	1929.5	1952.6	1868.7	1787.9	1658.3	1564.4	1550.0
54°	1390.3	1407.2	1475.4	1687.1	1911.3	1989.6	1854.3	1682.7	1499.9	1388.4	1374.0
55°	1204.3	1185.5	1309.5	1525.5	1826.1	1957.0	1797.3	1546.8	1337.7	1235.6	1215.6
57.5°	651.9	655.1	759.6	963.8	1283.2	1500.5	1325.1	1046.5	790.3	675.7	665.7
60°	206.7	211.7	257.4	389.5	613.1	732.1	627.5	420.2	290.6	233.0	223.6
62.5°	64.5	67.0	73.3	109.0	167.8	239.9	187.9	112.7	83.9	77.0	78.3
65°	39.5	39.5	40.1	42.6	50.1	58.2	56.4	49.5	47.6	46.3	45.7
67.5°	25.7	25.1	26.3	28.2	29.4	30.1	31.9	33.8	33.2	31.9	31.9
70°	15.7	15.0	16.3	18.8	19.4	20.7	22.5	25.1	24.4	23.2	23.8
72.5°	8.8	8.8	9.4	11.3	13.2	14.4	16.3	18.2	18.8	18.2	18.2
75°	3.1	3.8	5.0	6.9	8.1	10.0	11.9	13.8	15.7	14.4	13.8
77.5°	1.3	1.3	2.5	4.4	6.3	8.1	11.3	13.2	14.4	13.2	11.9
80°	0.6	0.6	1.9	3.8	5.6	7.5	9.4	11.3	11.9	10.6	9.4
82.5°	0.6	0.6	1.9	3.8	5.6	6.9	10.0	11.3	12.5	11.3	9.4
85°	0.0	0.6	1.9	3.8	5.0	5.6	5.6	3.8	3.1	1.9	1.9
87.5°	0.0	0.0	0.6	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)