

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: P651171

Luminaire Tested: **GALN-SA1D-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651171
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-SA1D-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA 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: 4254.6 lumens
Efficiency: N/A
Efficacy: 65.5 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

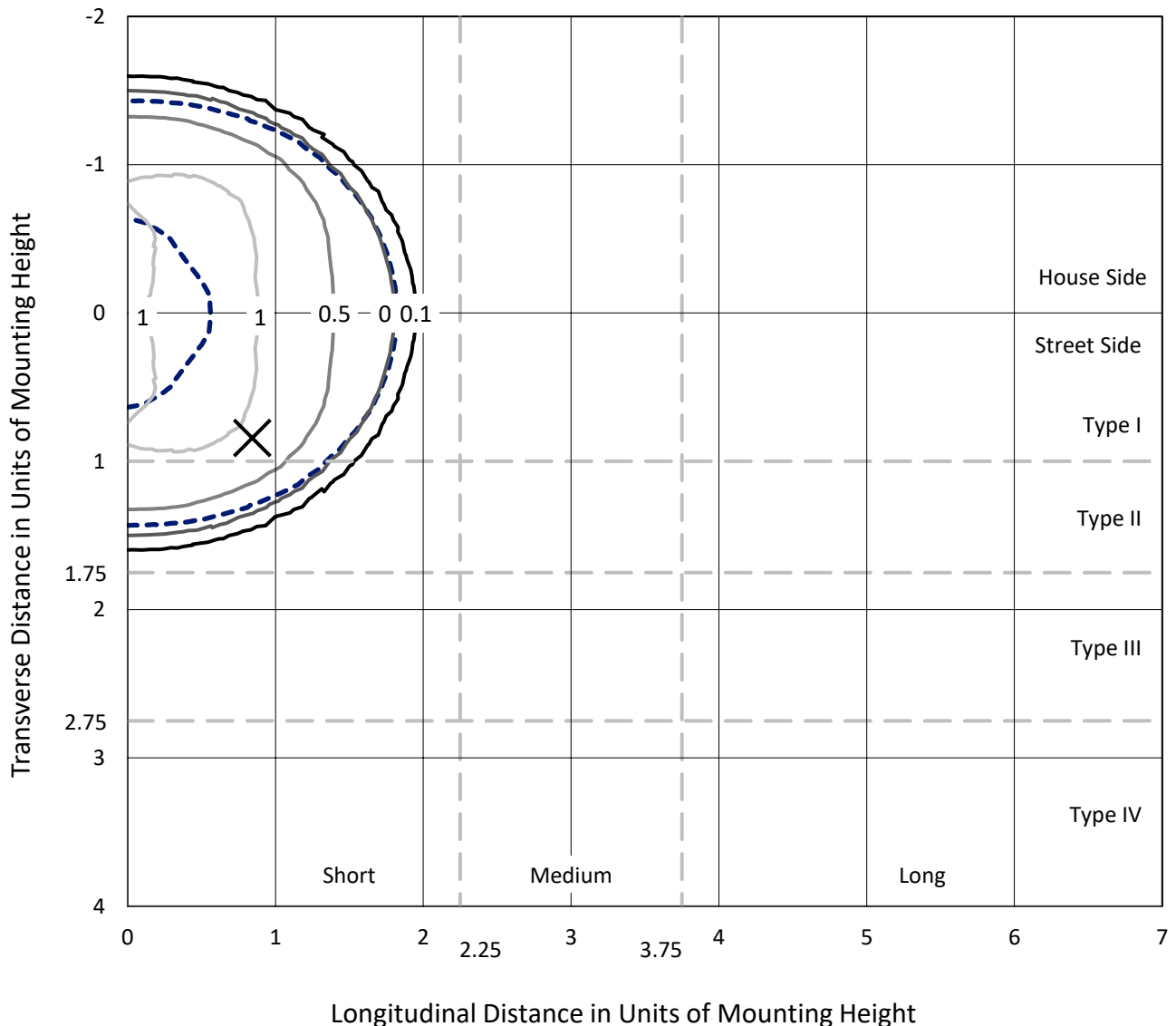




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Iso-Footcandle Lines of Horizontal Illumination

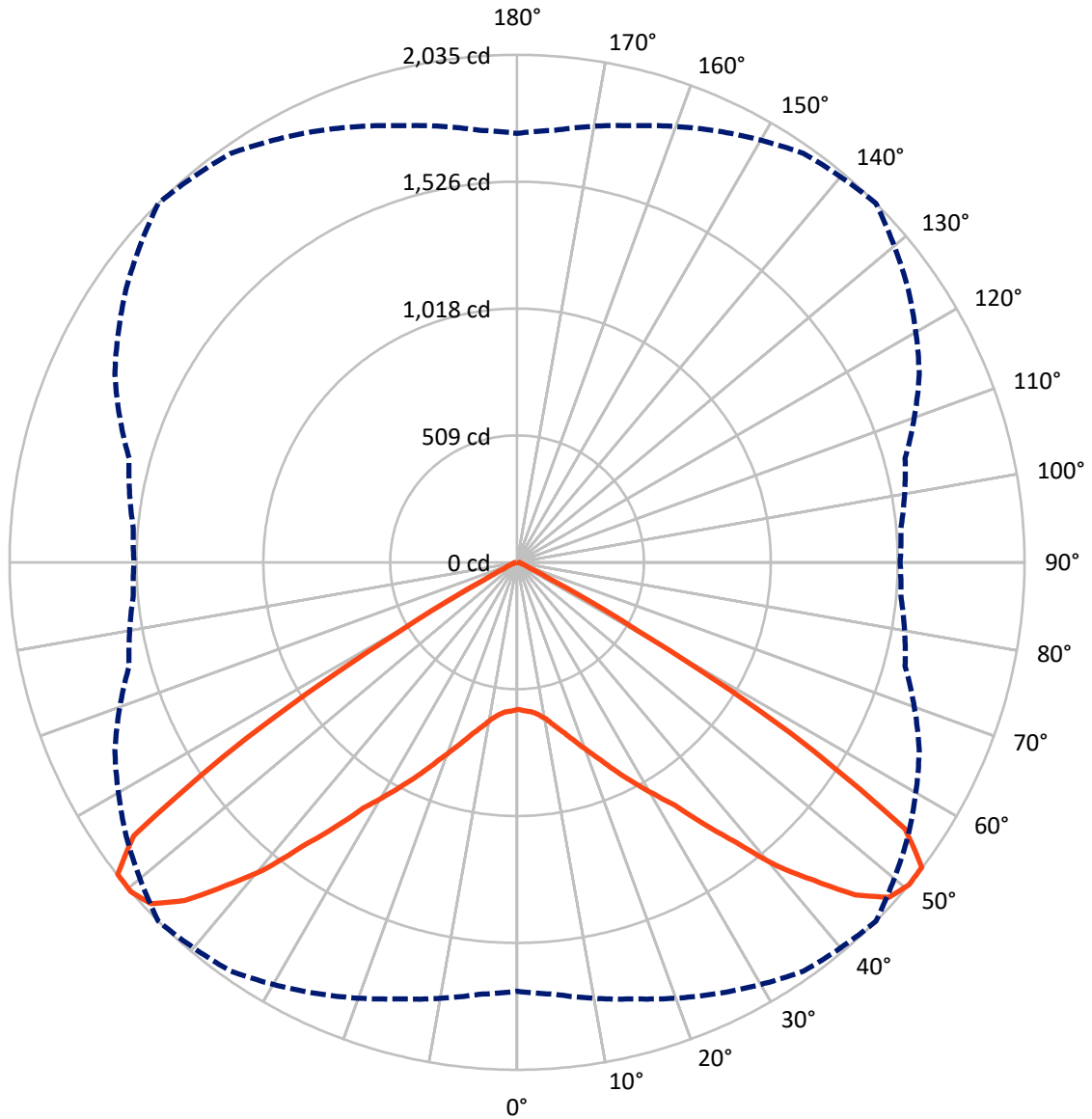
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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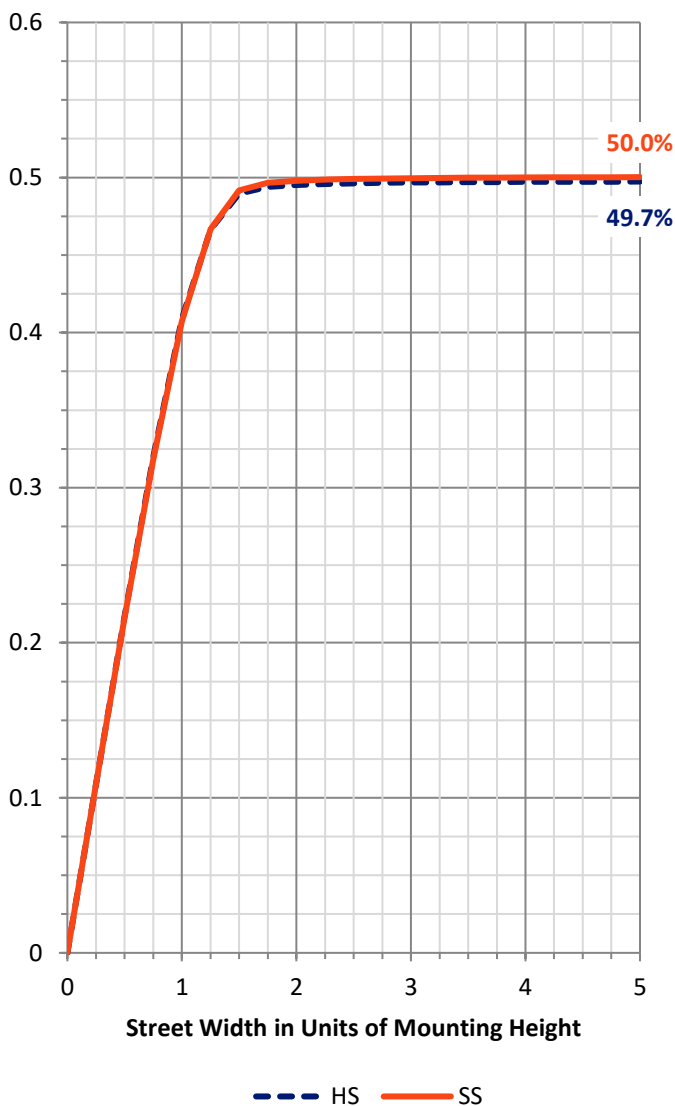
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2127.3	0.0	2127.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2127.3	0.0	2127.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4254.6	0.0	4254.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.4
10°-20°	202.3	4.8
20°-30°	413.1	9.7
30°-40°	787.7	18.5
40°-50°	1327.5	31.2
50°-60°	1266.0	29.8
60°-70°	176.7	4.2
70°-80°	16.9	0.4
80°-90°	5.9	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°	4254.6	100.0
0°-180°	4254.6	100.0

Coefficient of Utilization

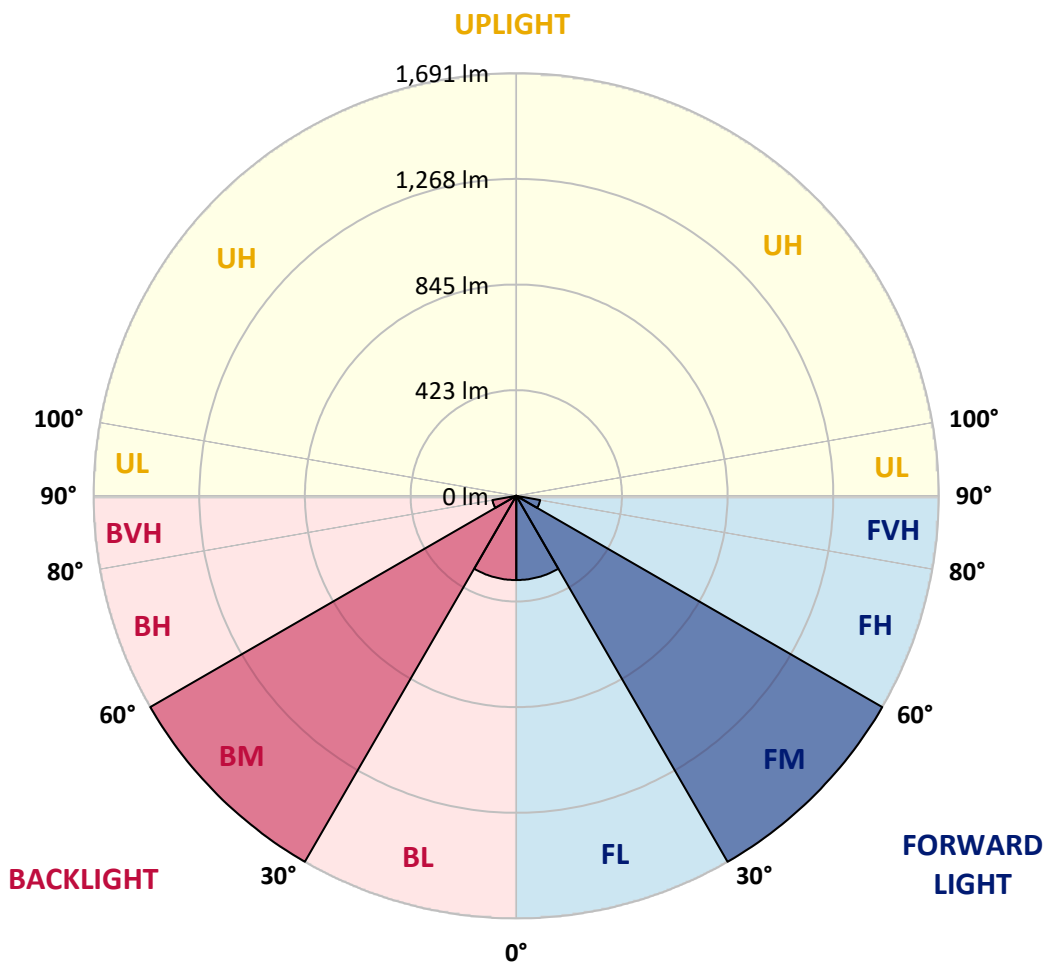


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.0	7.9			
FM (30°-60°)	1690.6	39.7			
FH (60°-80°)	96.8	2.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	337.0	7.9	B1/500		
BM (30°-60°)	1690.6	39.7	B2/2500		
BH (60°-80°)	96.8	2.3	B0/110		G0/660
BVH (80°-90°)	2.9	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°	589.9	589.9	589.9	589.9	589.9	589.9	589.9	589.9	589.9	589.9	589.9
2.5°	587.7	587.7	587.0	592.7	589.9	596.3	595.6	597.7	599.9	599.1	604.8
5°	582.7	582.0	582.0	588.4	594.8	602.0	608.5	612.8	619.9	619.9	627.0
7.5°	587.7	584.2	589.1	592.0	604.2	616.4	627.0	635.7	652.1	657.8	655.7
10°	589.1	593.4	597.0	605.6	620.7	639.2	648.6	670.0	688.6	701.6	704.4
12.5°	598.5	604.8	614.9	635.7	649.3	673.6	686.5	707.3	733.0	747.3	757.4
15°	616.4	618.5	631.3	657.8	687.2	709.4	729.5	744.5	769.5	786.0	786.7
17.5°	639.2	648.6	666.5	691.5	722.3	755.2	770.9	787.4	796.8	819.0	823.9
20°	685.1	686.5	703.7	736.6	775.2	805.3	816.8	825.4	821.8	844.7	849.0
22.5°	728.1	729.5	750.9	795.3	836.8	862.6	867.6	862.6	851.8	868.3	869.8
25°	771.7	784.6	800.3	844.7	896.3	930.6	931.3	917.7	895.5	898.4	905.5
27.5°	839.7	849.0	865.5	906.3	962.8	1001.5	995.0	978.6	949.9	952.1	949.9
30°	919.1	927.7	941.3	993.6	1035.1	1077.3	1086.7	1070.9	1028.0	1018.6	1029.4
32.5°	1015.1	1027.2	1052.3	1100.3	1135.4	1161.1	1167.6	1161.8	1121.7	1118.1	1125.3
35°	1131.7	1148.2	1171.1	1213.4	1242.0	1288.5	1288.5	1269.2	1232.7	1236.9	1236.3
37.5°	1254.9	1279.2	1315.0	1358.0	1396.6	1421.6	1413.8	1397.3	1360.8	1351.5	1360.8
40°	1409.5	1421.6	1466.8	1522.6	1569.8	1598.5	1564.8	1529.0	1441.7	1455.4	1480.3
42.5°	1550.6	1569.8	1604.2	1665.8	1719.4	1743.1	1703.0	1632.1	1526.9	1516.2	1534.7
45°	1670.8	1691.5	1736.7	1824.7	1881.2	1902.0	1813.2	1698.7	1578.5	1551.2	1559.1
47.5°	1751.0	1761.7	1824.7	1908.5	1960.0	2007.2	1879.8	1744.5	1602.8	1551.2	1548.4
50°	1720.2	1738.8	1812.5	1907.7	2001.5	2035.1	1913.4	1779.6	1610.7	1544.8	1536.2
52.5°	1527.6	1559.8	1642.1	1770.3	1912.0	2032.3	1960.0	1768.1	1607.8	1551.2	1564.1
55°	1063.0	1063.8	1163.9	1352.9	1603.5	1887.0	1892.0	1781.0	1626.4	1591.3	1592.0
57.5°	427.4	448.8	525.5	715.1	946.4	1295.6	1540.5	1652.1	1628.5	1619.9	1642.1
60°	108.1	108.8	132.5	201.8	332.9	555.5	806.8	1091.7	1257.0	1313.6	1321.5
62.5°	55.1	55.8	61.6	71.6	90.9	148.9	264.8	420.2	597.7	687.9	711.6
65°	45.1	45.1	48.7	53.7	54.4	57.3	68.7	98.1	142.5	161.8	163.9
67.5°	34.4	34.4	37.3	40.1	41.5	40.8	39.4	40.8	49.4	47.3	45.8
70°	21.4	22.2	23.6	26.5	27.9	28.6	29.4	30.8	35.1	36.5	35.1
72.5°	12.9	12.9	13.6	15.7	17.9	19.3	21.4	22.9	25.1	28.6	27.9
75°	5.7	5.7	7.1	9.3	11.4	13.6	15.7	17.9	19.3	21.4	22.2
77.5°	1.4	2.2	3.6	6.5	8.6	11.4	14.3	16.5	17.9	17.9	17.2
80°	0.8	0.8	2.9	5.0	9.3	12.2	15.7	17.2	19.3	17.9	15.7
82.5°	0.8	0.8	2.9	5.0	8.6	12.2	16.5	18.6	20.0	17.9	15.1
85°	0.0	0.8	2.2	4.3	7.1	8.6	7.1	5.0	2.9	2.9	2.2
87.5°	0.0	0.0	0.8	0.8	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)