

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: P651160

Luminaire Tested: **GALN-SA1D-840-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-840-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6904.6 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

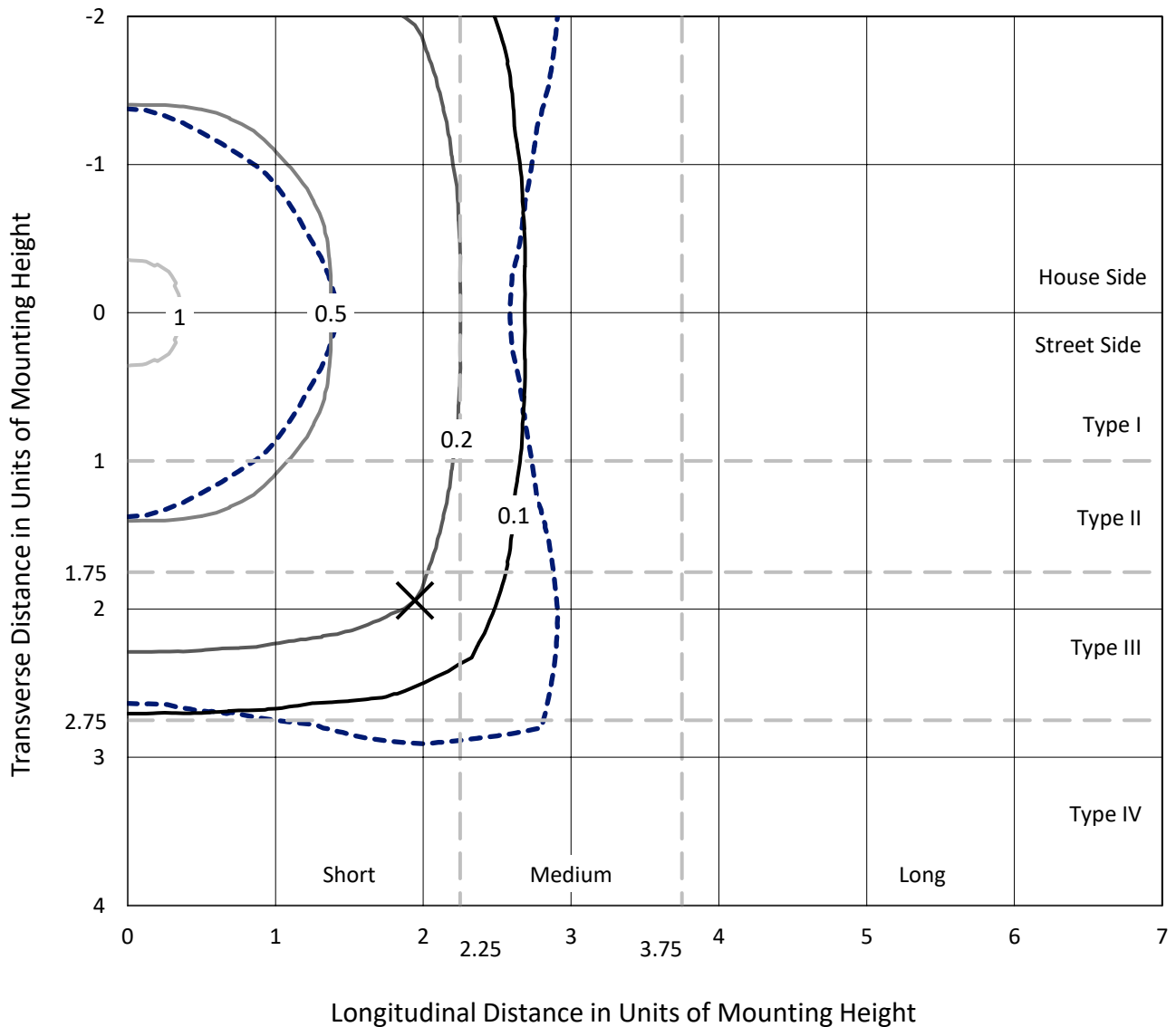
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

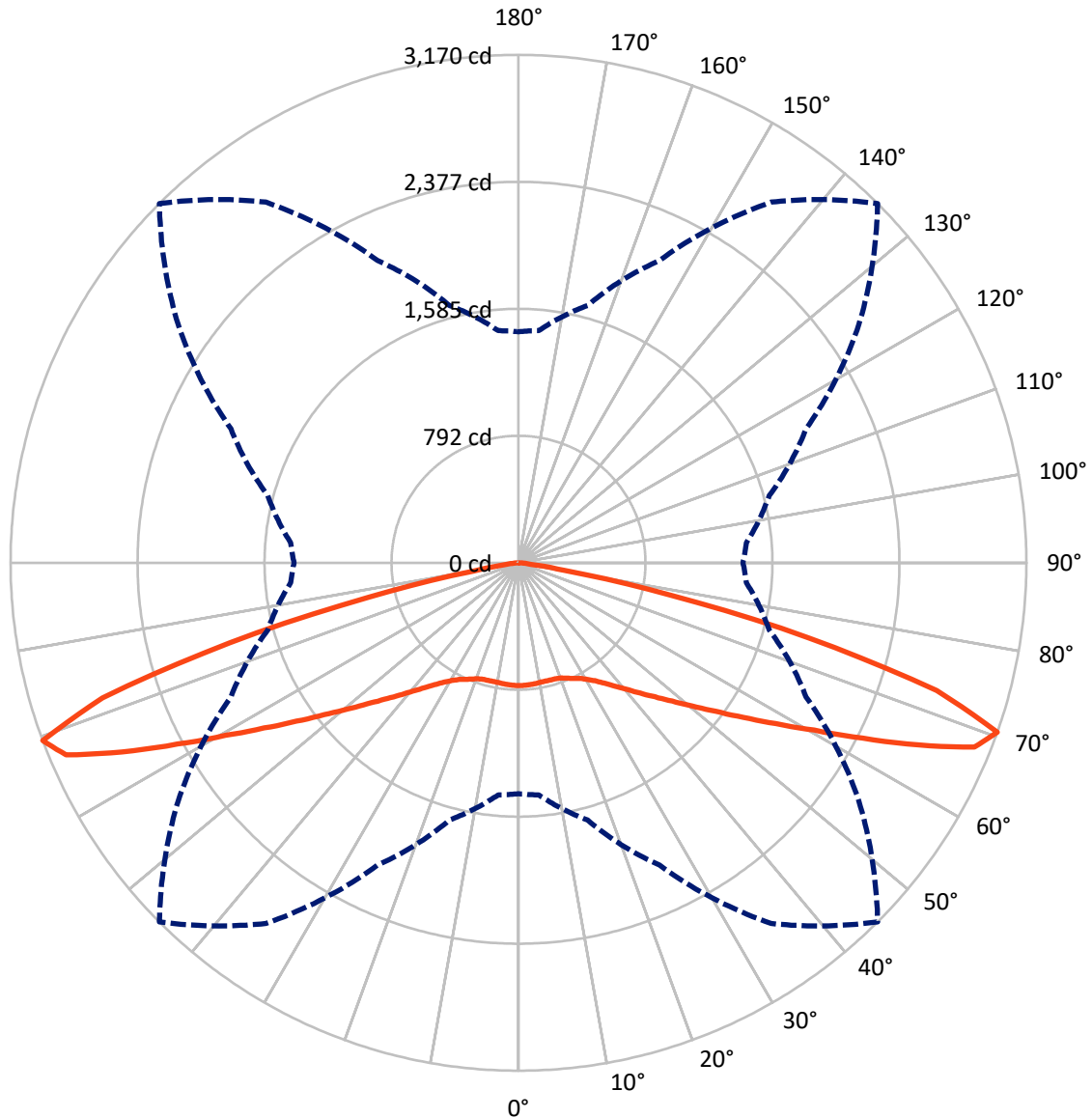
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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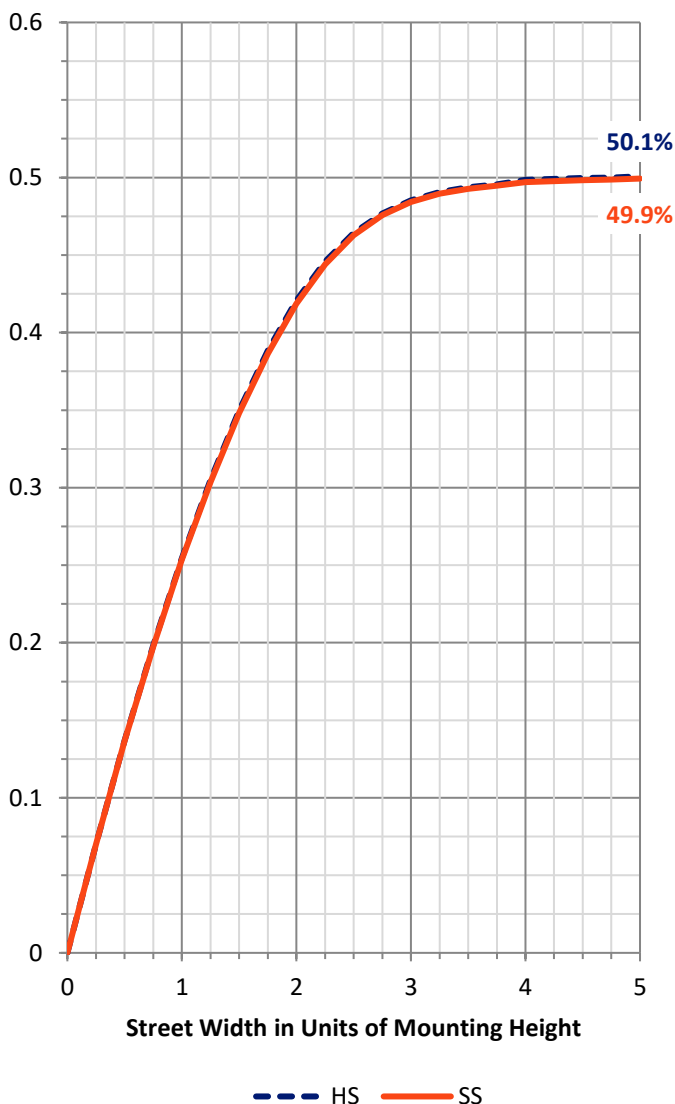
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3452.3	0.0	3452.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3452.3	0.0	3452.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6904.6	0.0	6904.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	1.1
10°-20°	213.4	3.1
20°-30°	364.9	5.3
30°-40°	579.2	8.4
40°-50°	934.4	13.5
50°-60°	1520.2	22.0
60°-70°	2203.8	31.9
70°-80°	977.5	14.2
80°-90°	38.5	0.6
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°	6904.6	100.0
0°-180°	6904.6	100.0

Coefficient of Utilization



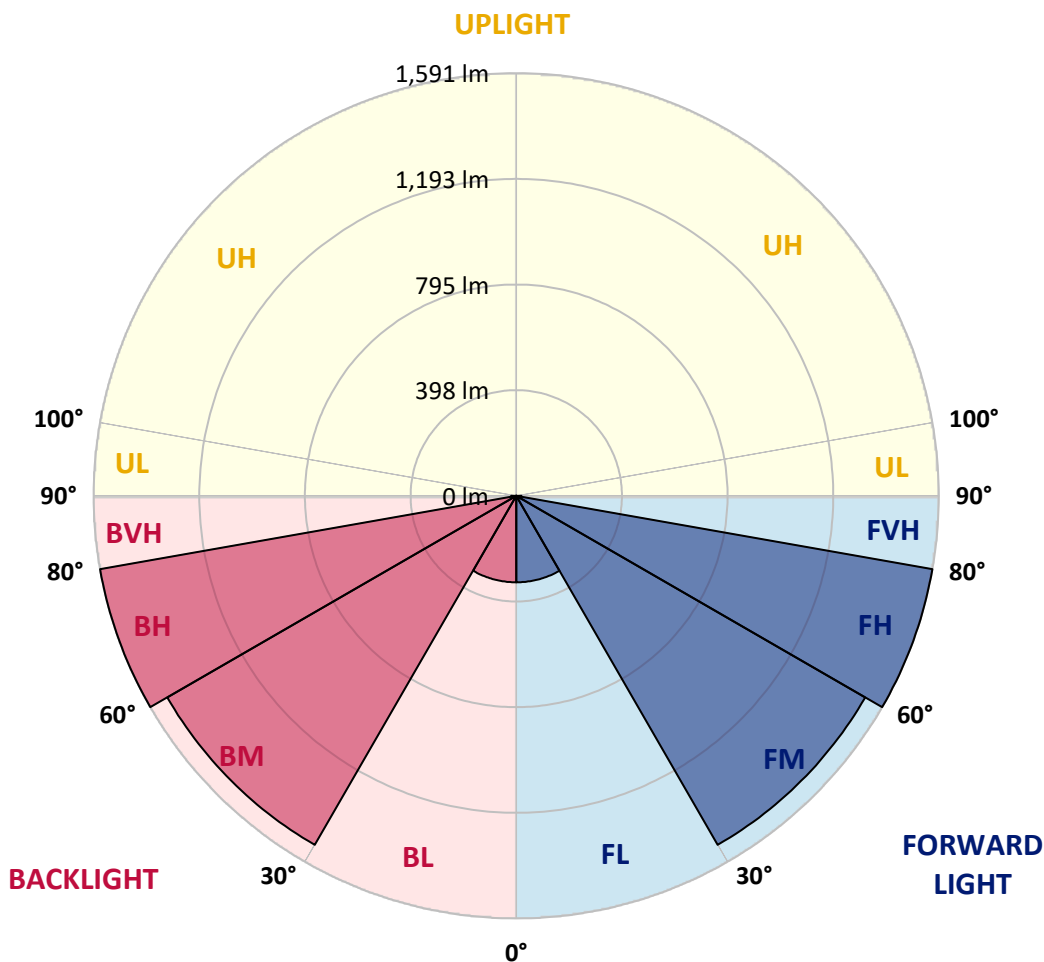
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.5	4.7			
FM (30°-60°)	1516.9	22.0			
FH (60°-80°)	1590.7	23.0			G1/1800
FVH (80°-90°)	19.3	0.3			G1/100
BL (0°-30°)	325.5	4.7	B1/500		
BM (30°-60°)	1516.9	22.0	B2/2500		
BH (60°-80°)	1590.7	23.0	B3/2500		G1/1800
BVH (80°-90°)	19.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	766.7	766.7	766.7	766.7	766.7	766.7	766.7	766.7	766.7	766.7	766.7
2.5°	766.7	767.4	766.3	765.6	765.3	765.3	764.9	765.3	767.4	767.8	766.7
5°	764.6	765.3	764.9	764.2	763.8	763.8	763.5	763.1	764.9	765.6	765.3
7.5°	761.6	762.0	761.6	761.3	761.6	761.3	760.2	759.4	760.9	760.9	760.5
10°	756.6	757.2	756.9	757.2	758.0	758.0	756.6	755.0	755.5	754.7	754.7
12.5°	750.3	751.4	751.8	753.3	755.0	757.2	754.0	750.7	750.0	749.6	749.2
15°	746.4	747.4	748.9	750.3	753.6	758.3	753.6	748.5	747.1	745.6	744.9
17.5°	745.3	746.7	748.9	751.1	755.5	760.2	756.1	751.1	747.4	745.3	744.5
20°	748.2	749.2	752.5	756.6	762.7	767.4	763.5	758.0	752.5	749.2	748.2
22.5°	754.0	755.8	759.8	767.1	775.8	782.7	777.3	768.2	759.4	755.0	753.6
25°	766.7	768.2	772.9	782.7	792.9	799.5	793.7	783.1	771.1	765.3	763.5
27.5°	786.0	788.2	793.3	804.9	813.3	816.9	812.9	805.7	796.9	790.7	789.3
30°	813.3	815.9	823.5	835.9	841.3	843.5	841.7	837.0	830.7	824.2	822.8
32.5°	850.1	851.5	860.3	871.9	877.0	877.8	875.6	873.4	863.1	852.3	851.5
35°	891.2	893.7	904.2	918.1	922.8	923.2	918.8	915.6	903.6	894.8	894.8
37.5°	945.8	946.9	957.1	972.7	977.7	976.3	974.1	971.3	958.5	947.2	947.6
40°	1009.8	1012.0	1020.7	1038.9	1038.9	1037.1	1038.6	1036.4	1023.7	1012.7	1013.1
42.5°	1085.9	1087.0	1097.5	1116.8	1115.3	1111.7	1113.1	1110.2	1102.2	1089.9	1085.5
45°	1167.0	1171.3	1189.6	1208.1	1205.2	1193.5	1199.4	1198.7	1191.4	1172.9	1174.0
47.5°	1264.9	1272.2	1289.7	1311.9	1308.6	1290.3	1296.9	1301.3	1291.1	1270.8	1267.1
50°	1375.1	1379.9	1405.7	1426.5	1423.6	1404.3	1419.2	1419.9	1394.5	1365.7	1365.7
52.5°	1492.7	1497.4	1532.4	1564.8	1566.5	1538.5	1550.6	1549.8	1508.3	1470.5	1463.3
55°	1624.4	1626.6	1671.7	1719.4	1729.6	1702.3	1703.8	1689.2	1635.3	1591.3	1587.3
57.5°	1760.5	1768.5	1818.4	1880.2	1910.4	1893.7	1886.0	1847.1	1795.1	1744.5	1742.0
60°	1911.2	1911.5	1976.3	2049.4	2110.6	2121.8	2090.6	2038.5	1971.2	1904.3	1901.3
62.5°	2015.6	2031.3	2113.1	2236.9	2346.4	2409.7	2327.1	2218.0	2085.5	1977.4	1966.5
65°	2037.1	2047.7	2172.5	2382.0	2605.8	2742.3	2551.3	2319.1	2093.1	1949.0	1941.7
67.5°	1863.5	1874.8	2042.9	2364.6	2787.8	3067.6	2696.8	2270.4	1963.6	1785.3	1771.1
70°	1441.4	1454.1	1661.9	2081.5	2747.4	3169.9	2593.1	1980.3	1619.3	1426.8	1401.0
72.5°	766.3	813.3	990.9	1428.6	2229.9	2729.2	2126.2	1445.0	1044.4	853.7	819.5
75°	279.8	285.7	384.7	633.5	1297.2	1871.5	1347.1	689.2	396.3	306.0	290.4
77.5°	115.7	115.4	126.7	191.4	471.2	958.5	525.8	202.3	126.2	116.8	115.4
80°	68.4	68.4	75.4	79.7	124.0	289.3	138.7	90.2	75.7	69.1	70.2
82.5°	30.5	32.4	47.7	50.2	60.0	79.3	66.9	57.5	49.5	34.2	30.9
85°	16.7	14.5	25.1	26.2	28.8	29.4	31.6	31.3	28.8	16.7	17.1
87.5°	3.3	4.0	7.3	5.5	6.2	5.5	7.3	10.2	10.5	5.8	4.7
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)