

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: P651173

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
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-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6791.9 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

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

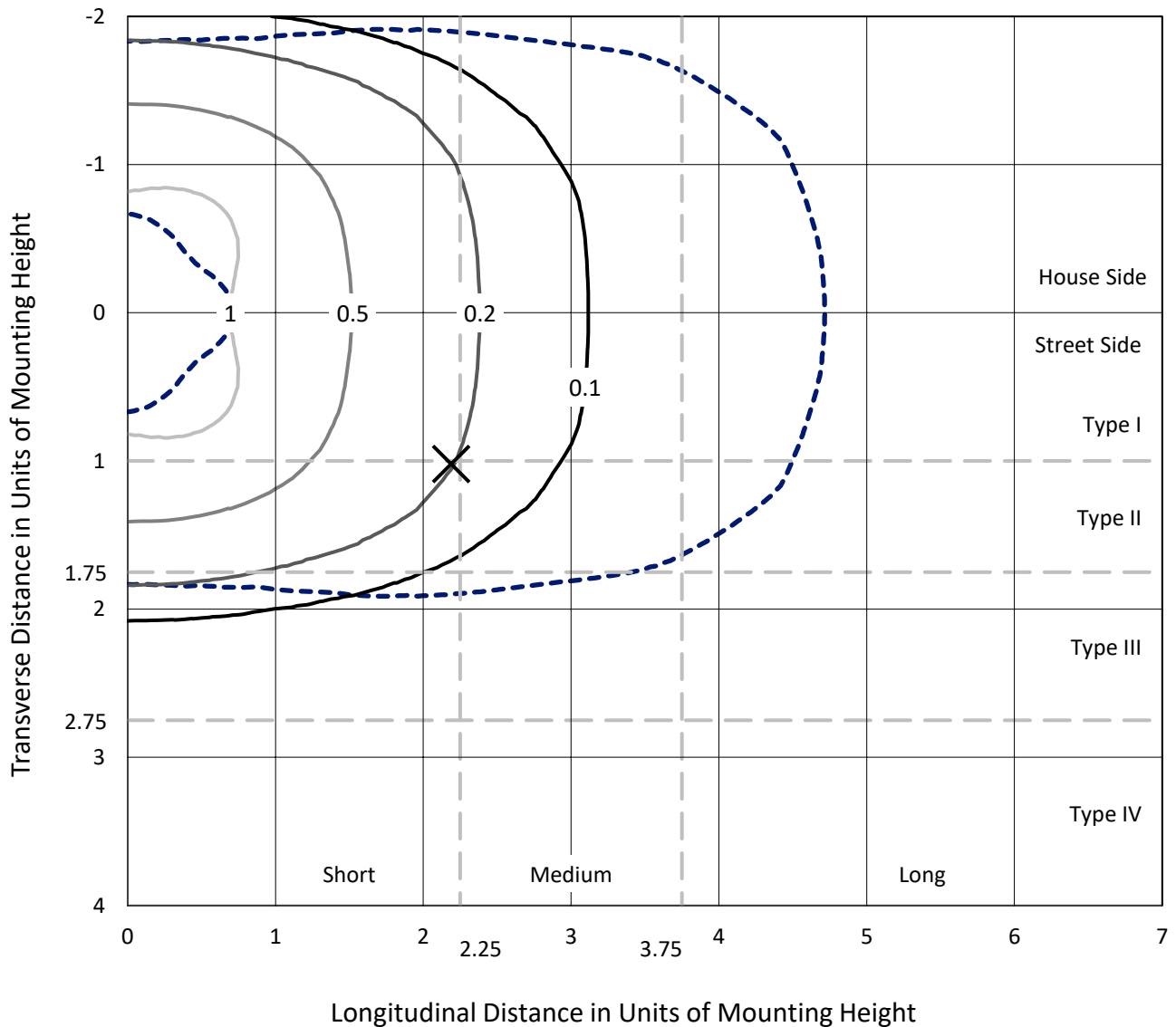




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Iso-Footcandle Lines of Horizontal Illumination

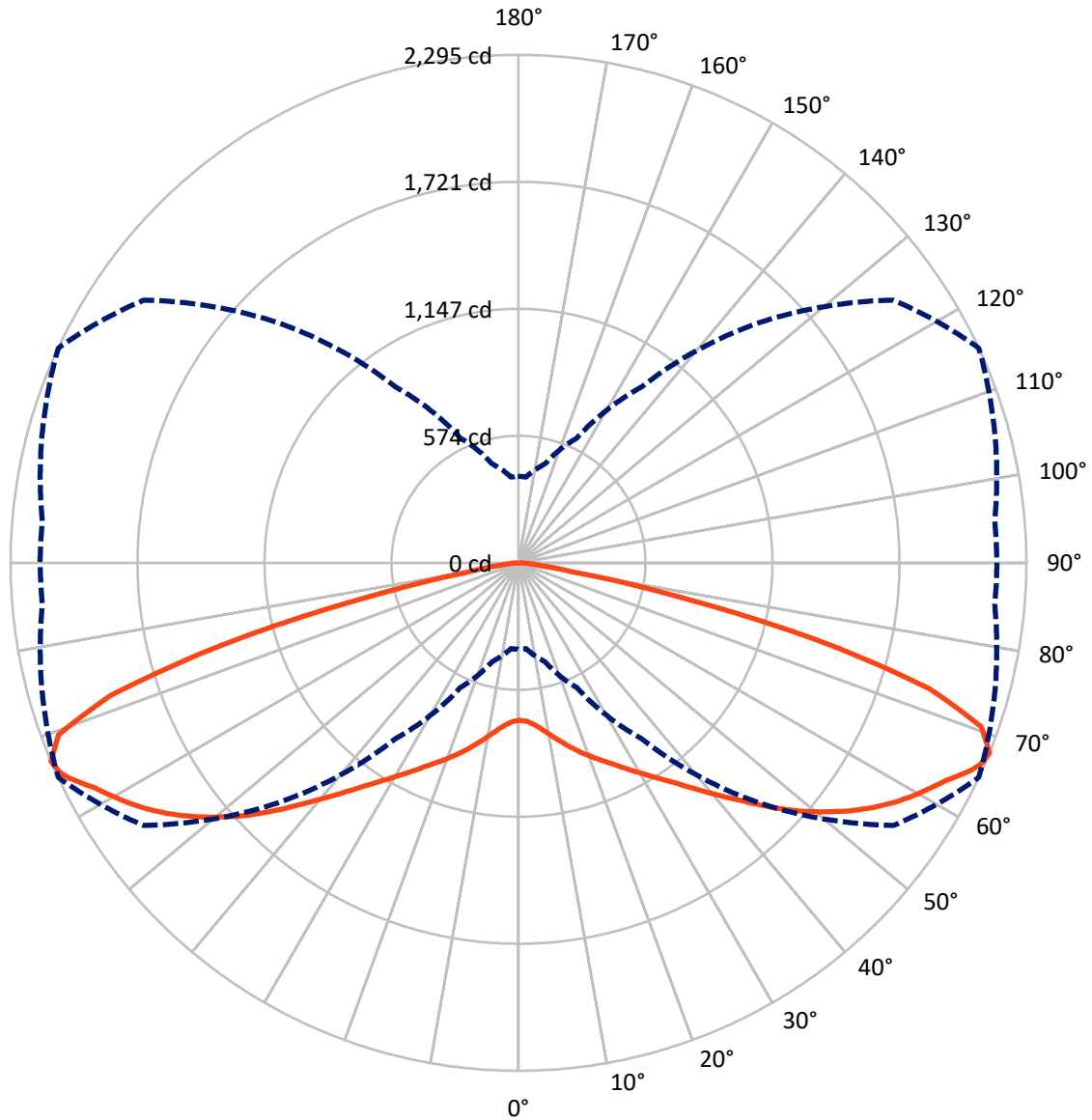
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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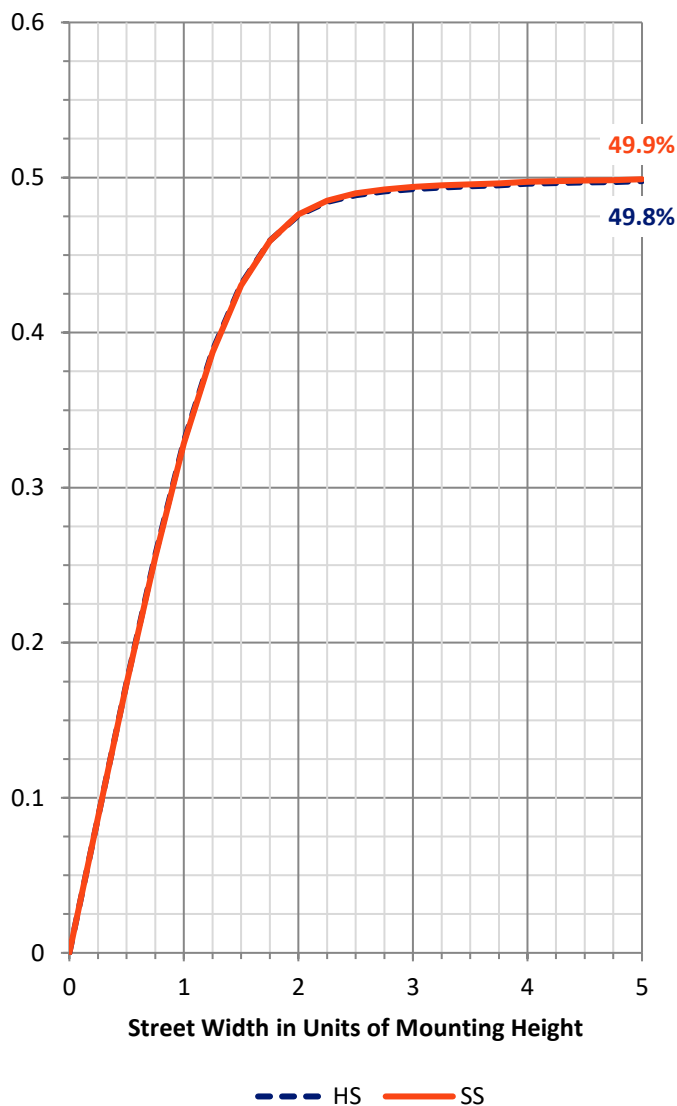
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3396.0	0.0	3396.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3396.0	0.0	3396.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6791.9	0.0	6791.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.0
10°-20°	234.8	3.5
20°-30°	459.3	6.8
30°-40°	781.3	11.5
40°-50°	1236.5	18.2
50°-60°	1639.6	24.1
60°-70°	1546.7	22.8
70°-80°	764.6	11.3
80°-90°	58.9	0.9
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°	6791.9	100.0
0°-180°	6791.9	100.0

Coefficient of Utilization

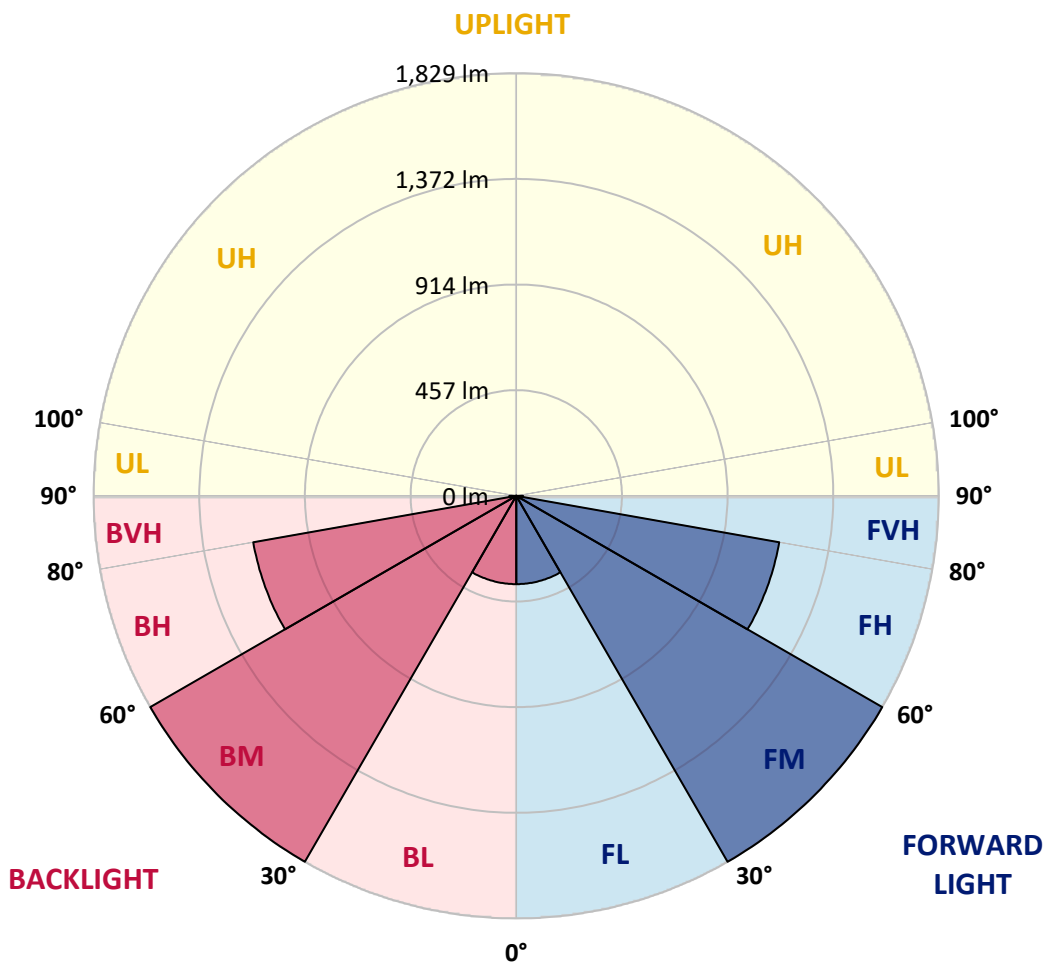


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.2	5.6			
FM (30°-60°)	1828.7	26.9			
FH (60°-80°)	1155.6	17.0			G1/1800
FVH (80°-90°)	29.5	0.4			G1/100
BL (0°-30°)	382.2	5.6	B1/500		
BM (30°-60°)	1828.7	26.9	B2/2500		
BH (60°-80°)	1155.6	17.0	B3/2500		G3/2500
BVH (80°-90°)	29.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4	711.4
2.5°	707.8	708.5	709.2	710.3	711.7	713.9	715.4	716.4	719.4	719.7	719.4
5°	705.2	705.9	707.8	711.1	715.8	722.3	727.4	733.6	738.3	741.6	740.8
7.5°	704.8	706.3	709.2	716.1	725.2	736.5	748.2	758.7	767.8	775.1	774.0
10°	710.6	712.5	717.2	727.4	741.6	758.0	774.3	790.0	803.1	812.6	815.9
12.5°	720.5	721.9	730.7	746.0	766.3	786.8	805.3	824.6	842.8	858.7	858.7
15°	737.6	740.2	751.1	773.2	798.4	822.0	840.9	861.4	880.9	899.2	904.6
17.5°	761.3	764.9	781.3	809.6	841.7	863.5	881.4	898.1	915.2	932.7	935.2
20°	793.7	797.3	819.1	853.3	891.1	917.4	929.4	933.3	941.8	958.5	960.7
22.5°	837.6	841.3	865.6	904.2	946.5	974.9	979.9	970.5	968.3	981.4	982.9
25°	887.5	890.8	918.8	960.3	1004.0	1034.9	1033.4	1010.1	997.0	1005.1	1007.3
27.5°	943.5	948.3	976.7	1019.6	1066.9	1094.2	1089.9	1056.0	1028.0	1026.5	1027.3
30°	1015.3	1020.3	1047.3	1088.3	1134.9	1160.1	1151.0	1105.5	1062.2	1047.6	1047.6
32.5°	1090.9	1103.6	1131.0	1173.9	1210.3	1228.4	1214.7	1160.1	1102.6	1082.2	1081.1
35°	1189.5	1196.5	1223.4	1265.2	1292.5	1306.7	1280.2	1221.6	1155.4	1131.3	1128.0
37.5°	1286.0	1291.8	1323.1	1363.1	1396.2	1395.5	1359.5	1294.7	1220.8	1193.9	1191.7
40°	1384.5	1390.8	1426.4	1463.2	1496.3	1493.4	1449.7	1377.3	1298.7	1268.5	1274.3
42.5°	1470.1	1477.0	1517.4	1569.8	1599.7	1598.9	1548.4	1466.8	1385.0	1358.0	1363.1
45°	1547.9	1554.2	1601.1	1661.1	1704.8	1710.3	1654.9	1568.7	1484.6	1450.1	1451.6
47.5°	1602.9	1614.6	1663.7	1732.5	1791.8	1811.0	1756.8	1672.4	1575.6	1539.6	1541.8
50°	1644.7	1652.1	1705.5	1783.8	1858.7	1898.7	1855.1	1768.5	1666.6	1628.3	1633.5
52.5°	1649.9	1658.6	1716.8	1807.1	1903.1	1963.9	1942.4	1862.4	1759.4	1720.1	1731.0
55°	1608.3	1613.5	1682.9	1792.5	1920.6	2012.3	2017.7	1949.7	1847.8	1818.0	1825.2
57.5°	1490.1	1503.2	1591.3	1724.5	1896.5	2038.1	2074.2	2029.0	1937.3	1907.8	1919.5
60°	1296.1	1309.3	1397.7	1566.5	1806.0	2026.1	2120.7	2099.2	2018.5	1994.9	2001.0
62.5°	1015.6	1014.5	1124.0	1331.1	1625.8	1967.2	2155.3	2166.9	2098.5	2068.7	2078.1
65°	658.3	661.5	767.4	990.5	1354.0	1817.2	2163.0	2253.2	2177.1	2132.0	2138.9
66°	529.4	539.2	629.2	834.8	1215.4	1719.0	2140.0	2278.6	2201.1	2146.6	2149.8
67.5°	390.8	389.0	462.9	621.5	970.5	1532.3	2068.4	2294.7	2228.4	2159.7	2161.1
70°	223.0	222.7	248.9	341.4	570.5	1078.9	1743.4	2217.9	2283.7	2207.0	2202.9
72.5°	163.0	161.9	165.6	188.5	278.4	544.7	1202.6	1938.4	2255.4	2199.3	2188.0
75°	136.8	136.1	135.4	138.3	156.1	246.7	638.2	1394.4	1957.0	2064.3	2052.6
77.5°	111.7	111.7	112.1	111.3	112.1	129.9	264.6	747.4	1191.7	1330.4	1362.8
80°	87.3	87.0	93.2	90.6	84.8	83.3	117.2	240.5	395.5	393.3	324.6
82.5°	64.4	60.0	71.0	69.1	62.6	53.2	68.4	102.6	132.1	85.9	63.7
85°	40.8	40.4	50.2	45.8	38.2	25.1	32.7	44.1	54.6	33.1	26.9
87.5°	7.3	6.9	16.0	11.6	11.6	7.3	9.1	12.0	17.8	12.4	9.1
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)