

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: P526588

Luminaire Tested: **GALN-SA1C-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6035 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

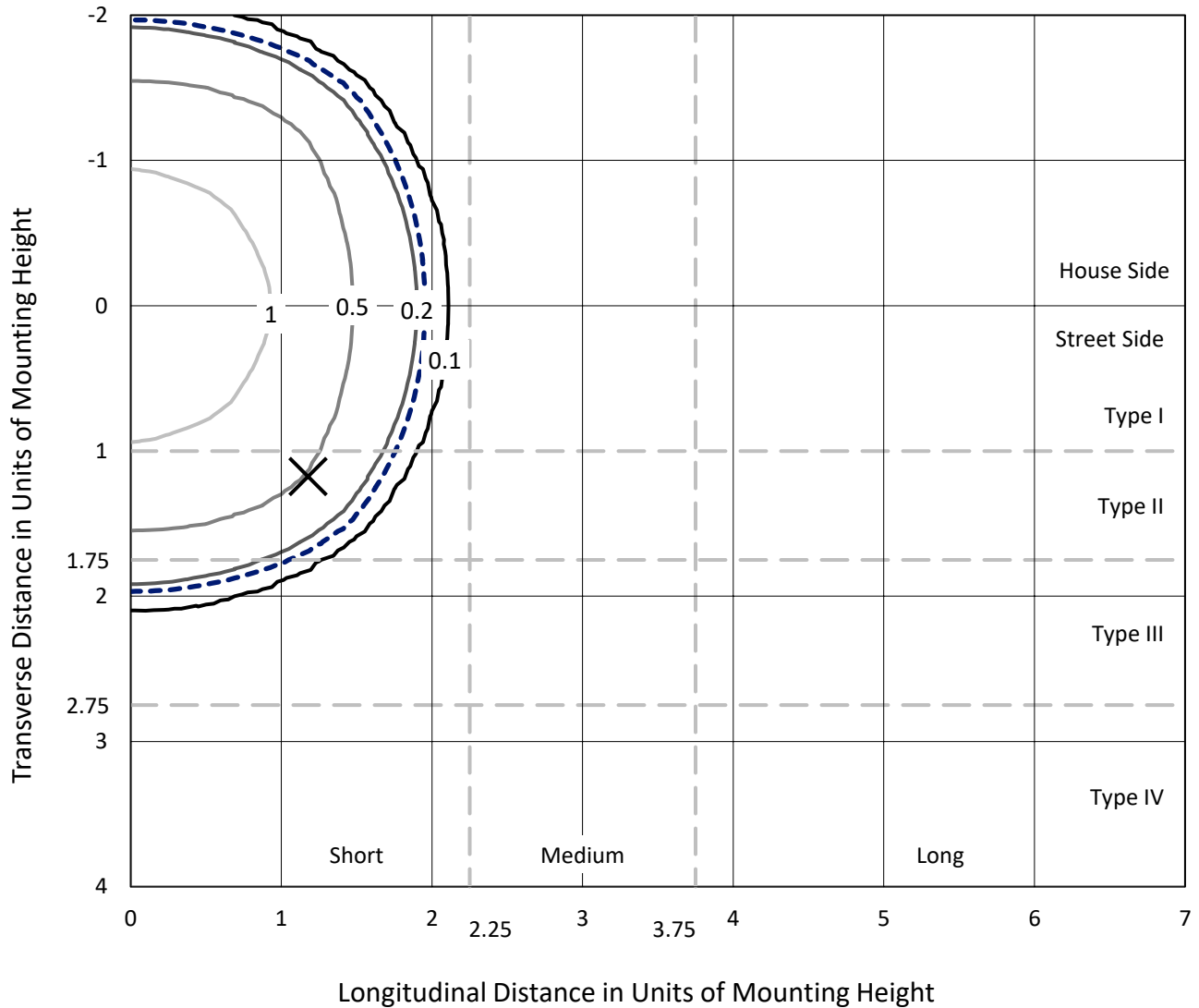
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

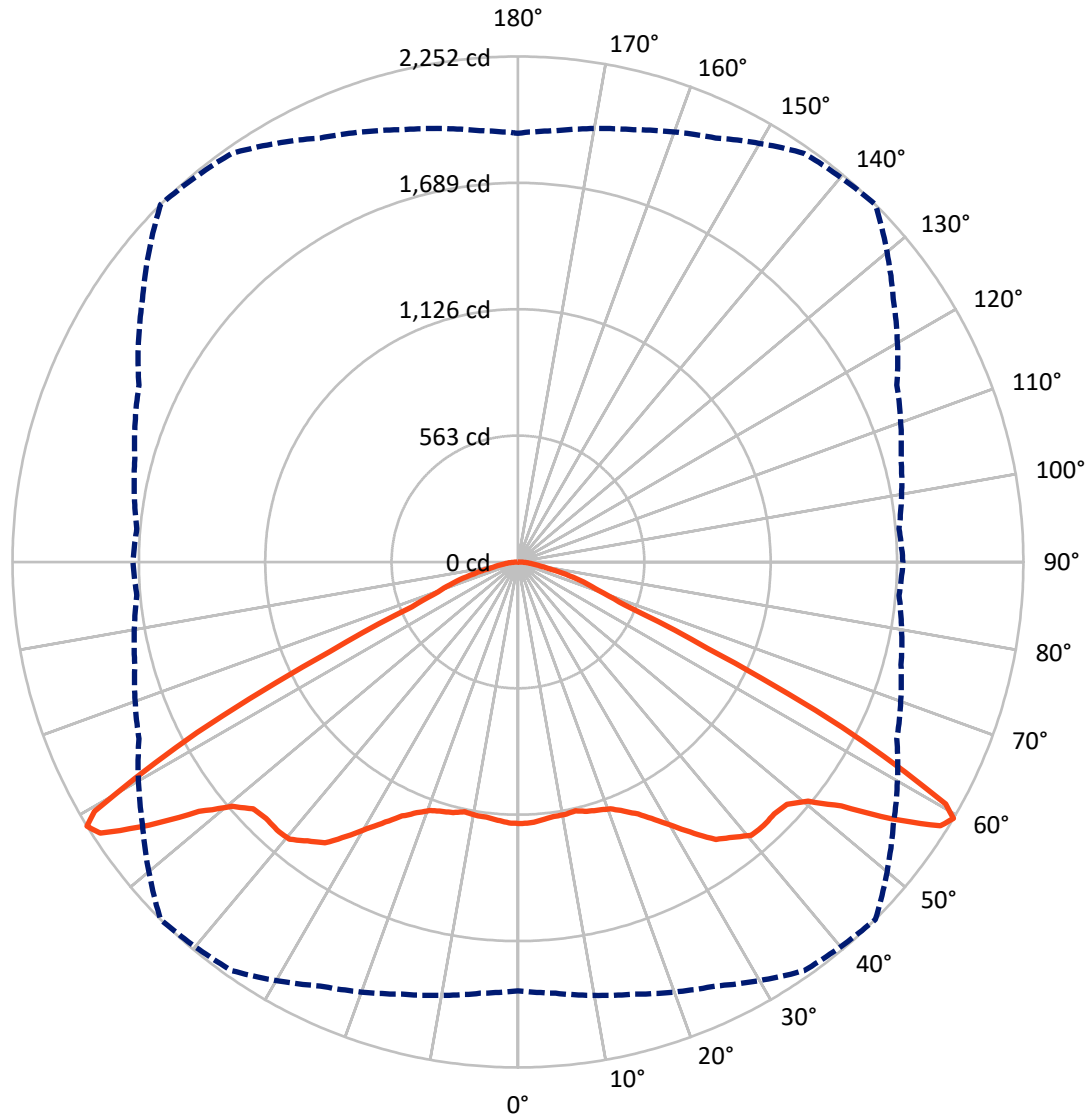
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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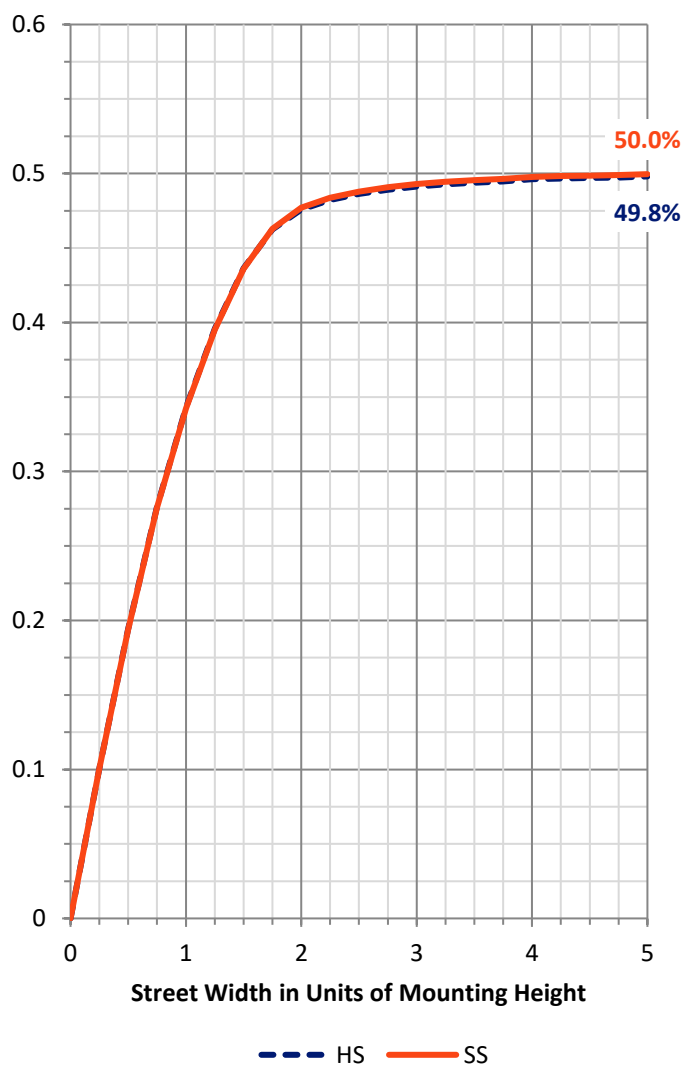
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3017.5	0.0	3017.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3017.5	0.0	3017.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6035.0	0.0	6035.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.8
10°-20°	326.8	5.4
20°-30°	570.6	9.5
30°-40°	911.3	15.1
40°-50°	1241.4	20.6
50°-60°	1678.7	27.8
60°-70°	920.6	15.3
70°-80°	235.5	3.9
80°-90°	40.2	0.7
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°	6035.0	100.0
0°-180°	6035.0	100.0

Coefficient of Utilization

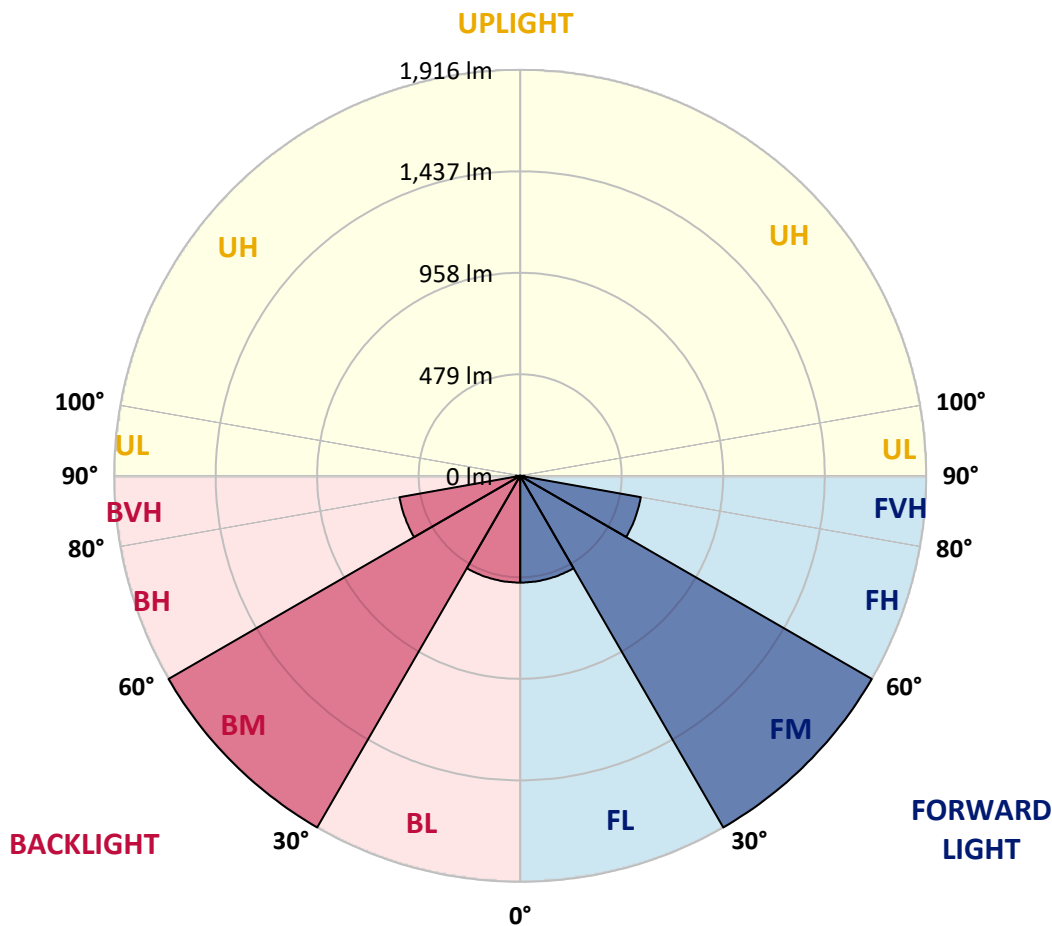


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.6	8.3			
FM (30°-60°)	1915.7	31.7			
FH (60°-80°)	578.1	9.6			G0/660
FVH (80°-90°)	20.1	0.3			G1/100
BL (0°-30°)	503.6	8.3	B2/1000		
BM (30°-60°)	1915.7	31.7	B2/2500		
BH (60°-80°)	578.1	9.6	B2/1000		G0/660
BVH (80°-90°)	20.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1158.7	1167.2	1161.0	1166.4	1165.7	1163.4	1159.5	1157.2	1154.1	1158.7	1151.0
5°	1154.1	1161.0	1168.0	1158.7	1158.7	1154.1	1151.8	1147.1	1147.1	1146.3	1145.6
7.5°	1161.8	1154.8	1151.8	1153.3	1154.8	1144.8	1151.8	1142.5	1134.7	1140.1	1146.3
10°	1154.8	1157.9	1146.3	1151.8	1143.2	1144.8	1140.1	1146.3	1137.8	1137.8	1137.8
12.5°	1161.8	1153.3	1157.2	1153.3	1151.0	1137.8	1144.0	1137.1	1136.3	1144.0	1137.1
15°	1175.7	1161.8	1158.7	1151.0	1153.3	1153.3	1147.1	1147.9	1139.4	1144.0	1145.6
17.5°	1171.1	1163.4	1161.0	1151.8	1159.5	1161.8	1150.2	1142.5	1147.9	1147.1	1146.3
20°	1175.0	1178.0	1175.7	1177.3	1180.4	1174.2	1163.4	1152.5	1145.6	1155.6	1154.8
22.5°	1199.7	1196.6	1195.1	1193.5	1198.9	1205.1	1190.4	1173.4	1173.4	1180.4	1183.5
25°	1219.8	1219.0	1218.3	1225.2	1243.8	1243.8	1225.2	1203.6	1198.2	1202.8	1198.9
27.5°	1249.2	1257.7	1254.6	1267.0	1294.1	1300.3	1275.5	1250.0	1235.3	1229.9	1236.8
30°	1316.5	1306.5	1308.8	1321.9	1345.9	1366.0	1328.1	1301.0	1280.9	1280.2	1283.2
32.5°	1361.4	1369.1	1376.1	1388.4	1426.3	1441.8	1396.2	1352.1	1339.7	1332.8	1335.1
35°	1451.1	1444.1	1442.6	1455.0	1492.9	1518.4	1461.2	1422.5	1406.2	1421.7	1421.7
37.5°	1536.2	1516.8	1502.1	1518.4	1553.2	1556.3	1507.6	1486.7	1478.2	1496.0	1495.2
40°	1576.4	1574.9	1540.8	1550.1	1596.5	1601.2	1555.5	1530.8	1529.2	1552.4	1575.6
42.5°	1618.2	1603.5	1569.4	1575.6	1604.3	1605.8	1562.5	1555.5	1572.5	1595.0	1596.5
45°	1625.1	1612.8	1591.1	1575.6	1596.5	1601.2	1575.6	1580.3	1581.8	1608.9	1608.9
47.5°	1639.1	1637.5	1625.1	1613.5	1617.4	1613.5	1597.3	1604.3	1627.5	1640.6	1634.4
50°	1677.7	1661.5	1673.9	1663.8	1664.6	1675.4	1660.7	1667.7	1663.0	1651.4	1643.7
52.5°	1762.8	1755.1	1765.9	1772.9	1780.6	1805.4	1788.3	1751.2	1716.4	1685.5	1684.7
55°	1887.4	1892.8	1913.7	1949.2	1979.4	2018.9	1936.9	1847.9	1792.2	1743.5	1746.6
57.5°	2004.9	2001.1	2029.7	2110.9	2199.1	2219.2	2058.3	1931.4	1840.9	1810.0	1796.9
59°	1910.6	1929.1	1994.1	2084.6	2223.1	2252.4	2042.1	1863.4	1767.5	1704.8	1715.6
60°	1762.0	1769.0	1827.0	1953.1	2140.3	2190.6	1933.0	1758.2	1630.6	1594.2	1610.4
62.5°	1245.3	1239.9	1281.7	1384.6	1552.4	1620.5	1437.2	1314.2	1233.7	1193.5	1202.8
65°	662.1	686.9	703.9	768.1	857.0	929.0	853.2	799.8	754.9	721.7	720.9
67.5°	447.1	444.0	447.9	462.6	492.7	512.8	511.3	484.2	480.3	474.2	481.1
70°	376.7	375.2	368.2	368.2	374.4	379.0	384.4	387.5	393.7	401.4	400.7
72.5°	305.5	301.7	297.0	294.7	302.4	304.8	311.7	314.8	320.2	319.5	326.4
75°	201.9	201.9	207.3	213.5	215.8	220.4	221.2	230.5	230.5	232.1	225.9
77.5°	112.9	109.8	113.7	119.9	125.3	133.8	142.3	149.3	153.2	151.6	151.6
80°	65.7	65.7	69.6	76.6	83.5	91.3	97.5	102.9	106.7	105.2	102.1
82.5°	41.0	41.0	44.9	51.8	57.2	61.9	70.4	77.4	82.0	80.4	76.6
85°	20.9	20.9	25.5	30.2	37.1	40.2	39.4	36.4	35.6	31.7	31.7
87.5°	5.4	5.4	7.7	8.5	7.0	7.7	7.7	7.7	7.7	7.7	8.5
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)