

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: P526770

Luminaire Tested: **GALN-SA1D-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526770
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-SA1D-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 6048 lumens
Efficiency: N/A
Efficacy: 93.0 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

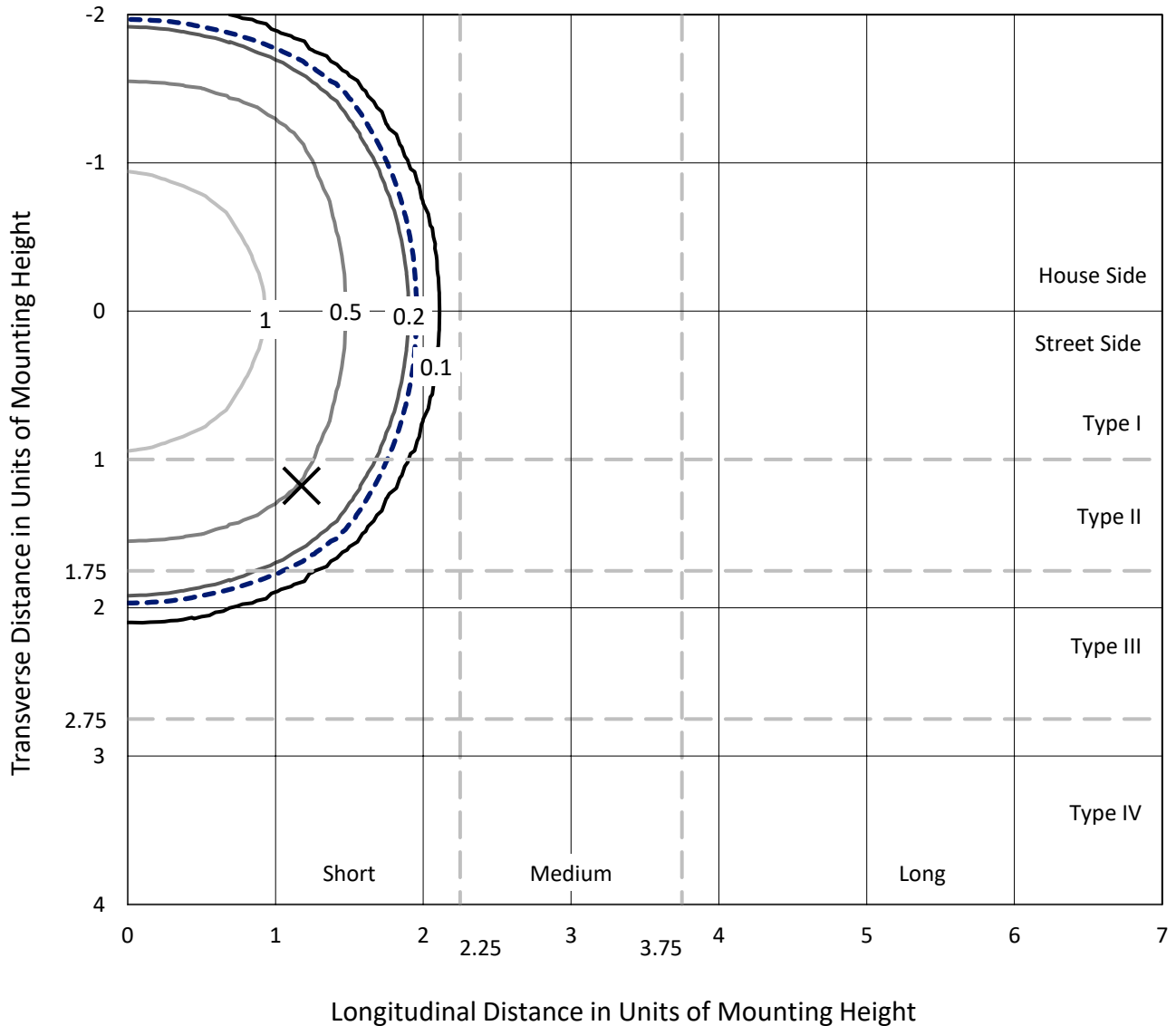
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526770
 CATALOG NUMBER: GALN-SA1D-730-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

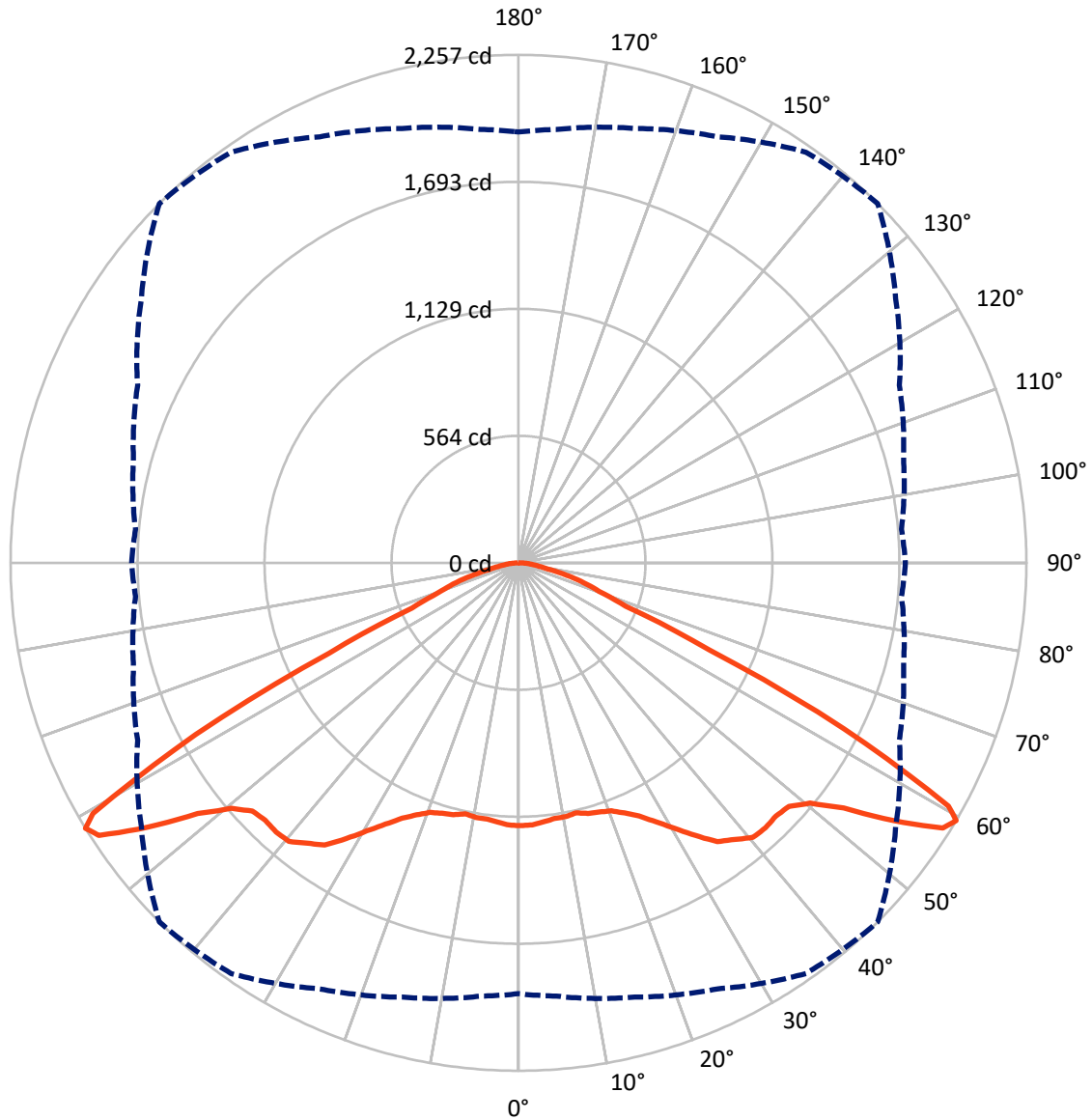
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526770
CATALOG NUMBER: GALN-SA1D-730-U-5WQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526770
 CATALOG NUMBER: GALN-SA1D-730-U-5WQ-GRSWH

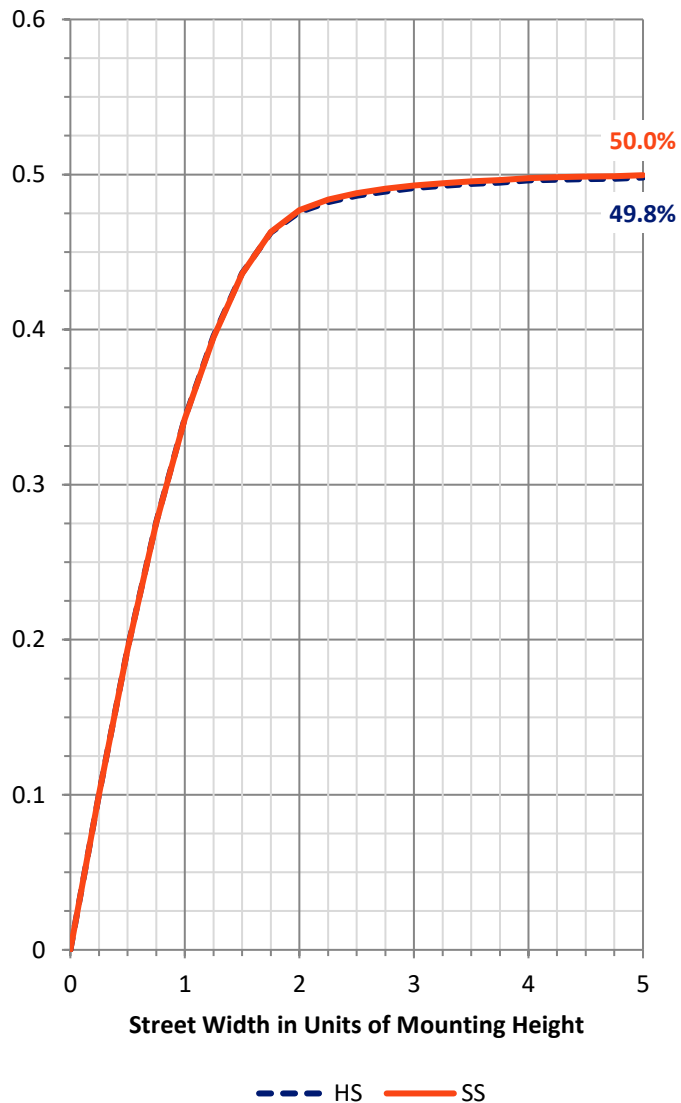
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3024.0	0.0	3024.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3024.0	0.0	3024.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6048.0	0.0	6048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	1.8
10°-20°	327.5	5.4
20°-30°	571.8	9.5
30°-40°	913.3	15.1
40°-50°	1244.1	20.6
50°-60°	1682.3	27.8
60°-70°	922.6	15.3
70°-80°	236.0	3.9
80°-90°	40.3	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°	6048.0	100.0
0°-180°	6048.0	100.0

Coefficient of Utilization

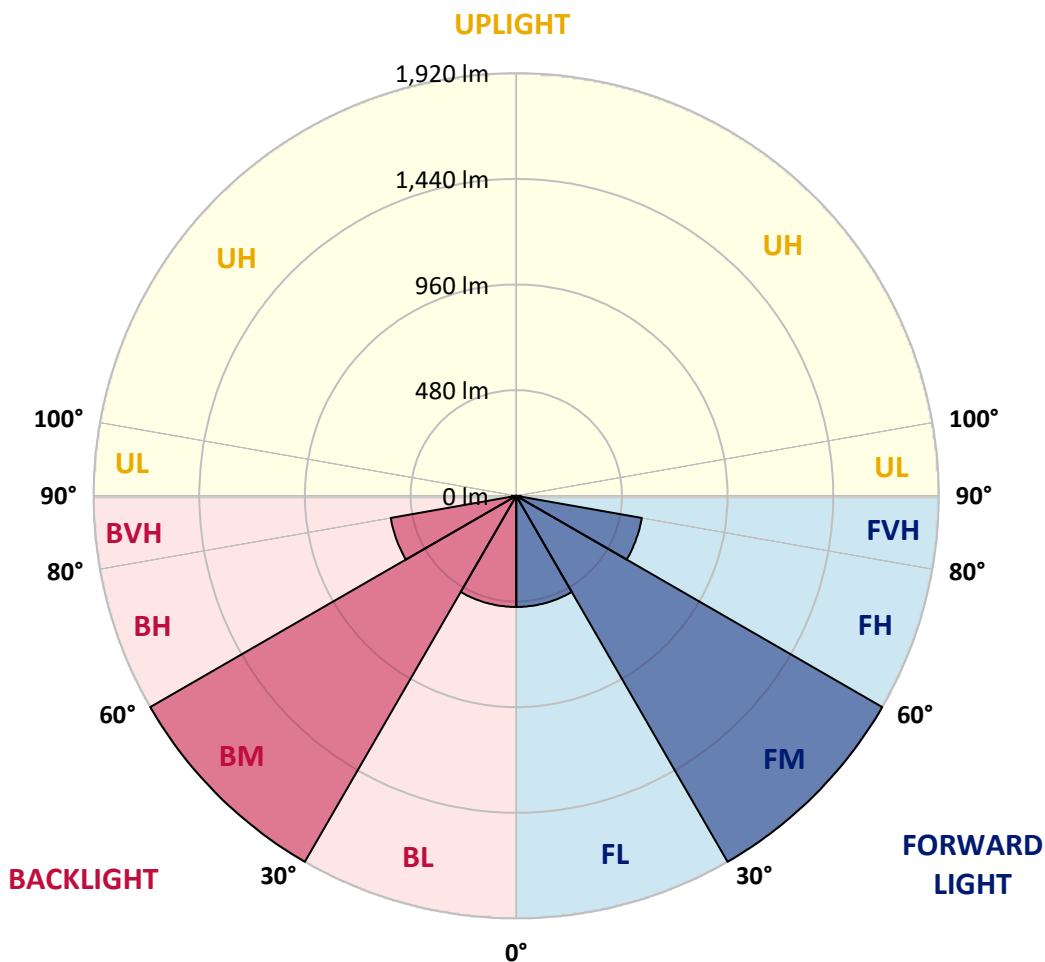


REPORT NUMBER: P526770
 CATALOG NUMBER: GALN-SA1D-730-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.7	8.3			
FM (30°-60°)	1919.8	31.7			
FH (60°-80°)	579.3	9.6			G0/660
FVH (80°-90°)	20.1	0.3			G1/100
BL (0°-30°)	504.7	8.3	B2/1000		
BM (30°-60°)	1919.8	31.7	B2/2500		
BH (60°-80°)	579.3	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





REPORT NUMBER: P526770

CATALOG NUMBER: GALN-SA1D-730-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2	1168.2
2.5°	1161.2	1169.7	1163.5	1169.0	1168.2	1165.9	1162.0	1159.7	1156.6	1161.2	1153.5
5°	1156.6	1163.5	1170.5	1161.2	1161.2	1156.6	1154.2	1149.6	1149.6	1148.8	1148.0
7.5°	1164.3	1157.3	1154.2	1155.8	1157.3	1147.3	1154.2	1144.9	1137.2	1142.6	1148.8
10°	1157.3	1160.4	1148.8	1154.2	1145.7	1147.3	1142.6	1148.8	1140.3	1140.3	1140.3
12.5°	1164.3	1155.8	1159.7	1155.8	1153.5	1140.3	1146.5	1139.5	1138.7	1146.5	1139.5
15°	1178.3	1164.3	1161.2	1153.5	1155.8	1155.8	1149.6	1150.4	1141.8	1146.5	1148.0
17.5°	1173.6	1165.9	1163.5	1154.2	1162.0	1164.3	1152.7	1144.9	1150.4	1149.6	1148.8
20°	1177.5	1180.6	1178.3	1179.8	1182.9	1176.7	1165.9	1155.0	1148.0	1158.1	1157.3
22.5°	1202.3	1199.2	1197.6	1196.1	1201.5	1207.7	1193.0	1175.9	1175.9	1182.9	1186.0
25°	1222.4	1221.7	1220.9	1227.9	1246.5	1246.5	1227.9	1206.2	1200.7	1205.4	1201.5
27.5°	1251.9	1260.4	1257.3	1269.7	1296.9	1303.1	1278.3	1252.7	1237.9	1232.5	1239.5
30°	1319.3	1309.3	1311.6	1324.8	1348.8	1369.0	1331.0	1303.8	1283.7	1282.9	1286.0
32.5°	1364.3	1372.1	1379.0	1391.4	1429.4	1444.9	1399.2	1355.0	1342.6	1335.6	1337.9
35°	1454.2	1447.2	1445.7	1458.1	1496.1	1521.7	1464.3	1425.5	1409.3	1424.8	1424.8
37.5°	1539.5	1520.1	1505.4	1521.7	1556.5	1559.6	1510.8	1489.9	1481.4	1499.2	1498.4
40°	1579.8	1578.3	1544.1	1553.4	1600.0	1604.6	1558.9	1534.1	1532.5	1555.8	1579.0
42.5°	1621.7	1606.9	1572.8	1579.0	1607.7	1609.3	1565.8	1558.9	1575.9	1598.4	1600.0
45°	1628.6	1616.2	1594.5	1579.0	1600.0	1604.6	1579.0	1583.7	1585.2	1612.4	1612.4
47.5°	1642.6	1641.0	1628.6	1617.0	1620.9	1617.0	1600.7	1607.7	1631.0	1644.1	1637.9
50°	1681.3	1665.1	1677.5	1667.4	1668.2	1679.0	1664.3	1671.3	1666.6	1655.0	1647.2
52.5°	1766.6	1758.9	1769.7	1776.7	1784.4	1809.3	1792.2	1755.0	1720.1	1689.1	1688.3
55°	1891.4	1896.8	1917.8	1953.4	1983.7	2023.2	1941.0	1851.9	1796.1	1747.2	1750.3
57.5°	2009.2	2005.4	2034.1	2115.4	2203.8	2224.0	2062.7	1935.6	1844.9	1813.9	1800.7
59°	1914.7	1933.3	1998.4	2089.1	2227.8	2257.3	2046.5	1867.4	1771.3	1708.5	1719.3
60°	1765.8	1772.8	1831.0	1957.3	2144.9	2195.3	1937.2	1762.0	1634.1	1597.6	1613.9
62.5°	1248.0	1242.6	1284.5	1387.6	1555.8	1624.0	1440.3	1317.0	1236.4	1196.1	1205.4
65°	663.5	688.4	705.4	769.7	858.9	931.0	855.0	801.5	756.6	723.2	722.5
67.5°	448.0	444.9	448.8	463.6	493.8	513.9	512.4	485.3	481.4	475.2	482.2
70°	377.5	376.0	369.0	369.0	375.2	379.8	385.3	388.4	394.6	402.3	401.5
72.5°	306.2	302.3	297.7	295.3	303.1	305.4	312.4	315.5	320.9	320.1	327.1
75°	202.3	202.3	207.7	213.9	216.3	220.9	221.7	231.0	231.0	232.6	226.4
77.5°	113.2	110.1	114.0	120.2	125.6	134.1	142.6	149.6	153.5	151.9	151.9
80°	65.9	65.9	69.8	76.7	83.7	91.5	97.7	103.1	107.0	105.4	102.3
82.5°	41.1	41.1	45.0	51.9	57.4	62.0	70.5	77.5	82.2	80.6	76.7
85°	20.9	20.9	25.6	30.2	37.2	40.3	39.5	36.4	35.7	31.8	31.8
87.5°	5.4	5.4	7.8	8.5	7.0	7.8	7.8	7.8	7.8	7.8	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)