

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: P526922

Luminaire Tested: **GALN-SA1D-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5490 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - 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



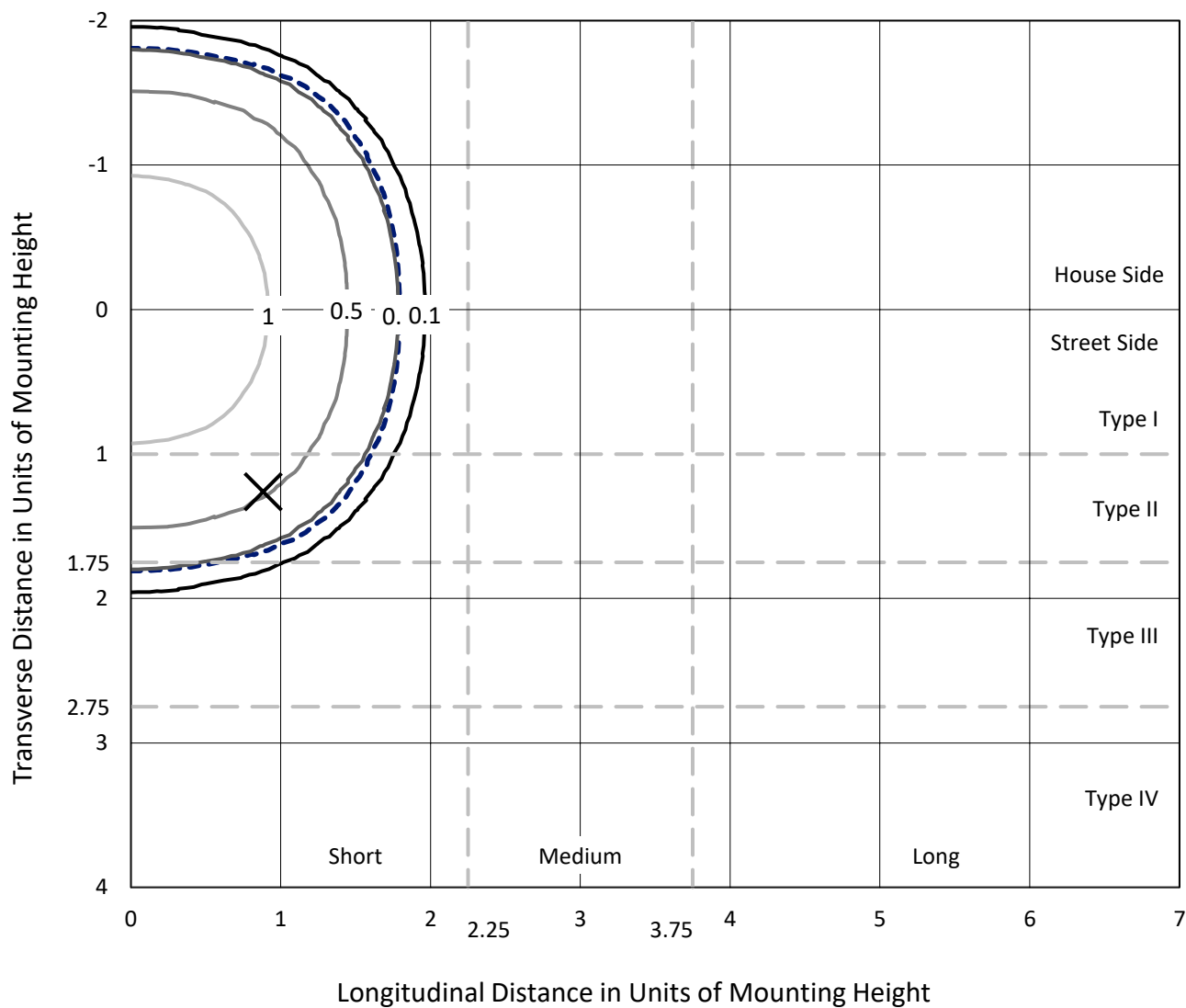
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

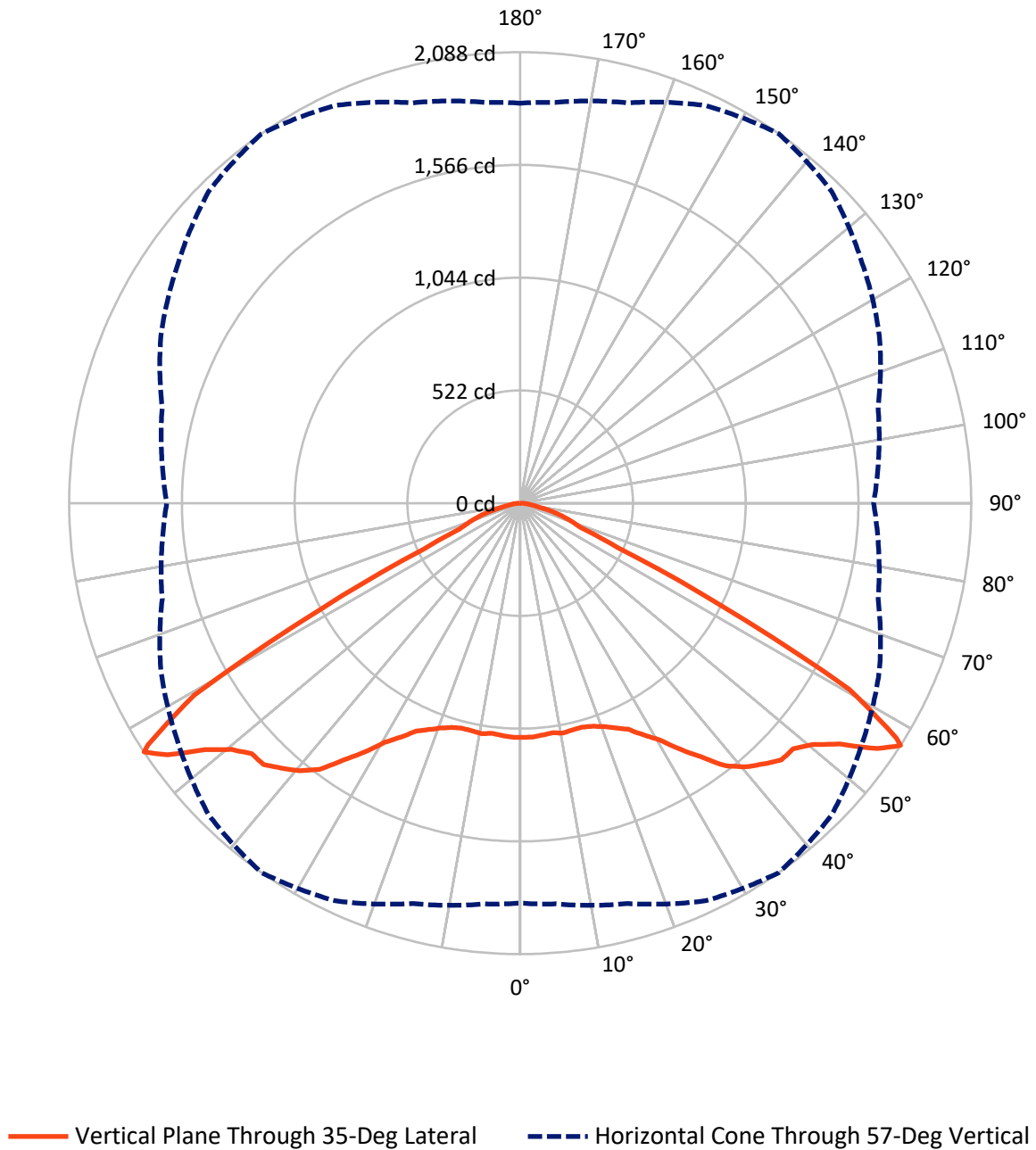


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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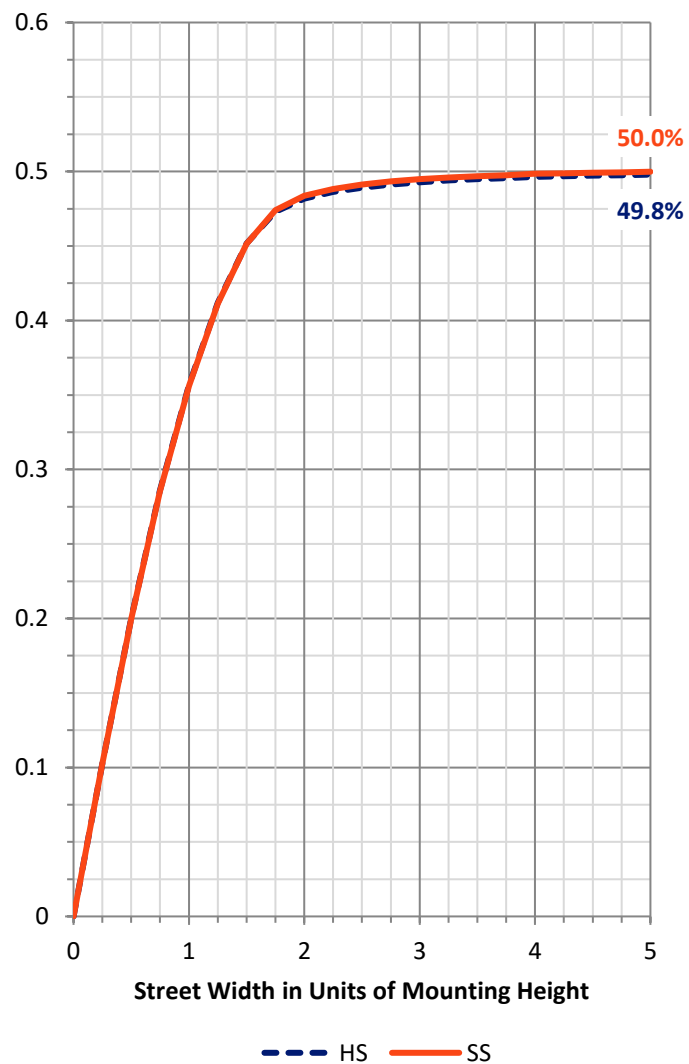
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2745.0	0.0	2745.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2745.0	0.0	2745.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5490.0	0.0	5490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	1.9
10°-20°	304.4	5.5
20°-30°	531.7	9.7
30°-40°	871.2	15.9
40°-50°	1277.4	23.3
50°-60°	1608.9	29.3
60°-70°	605.1	11.0
70°-80°	160.9	2.9
80°-90°	27.6	0.5
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°	5490.0	100.0
0°-180°	5490.0	100.0

Coefficient of Utilization



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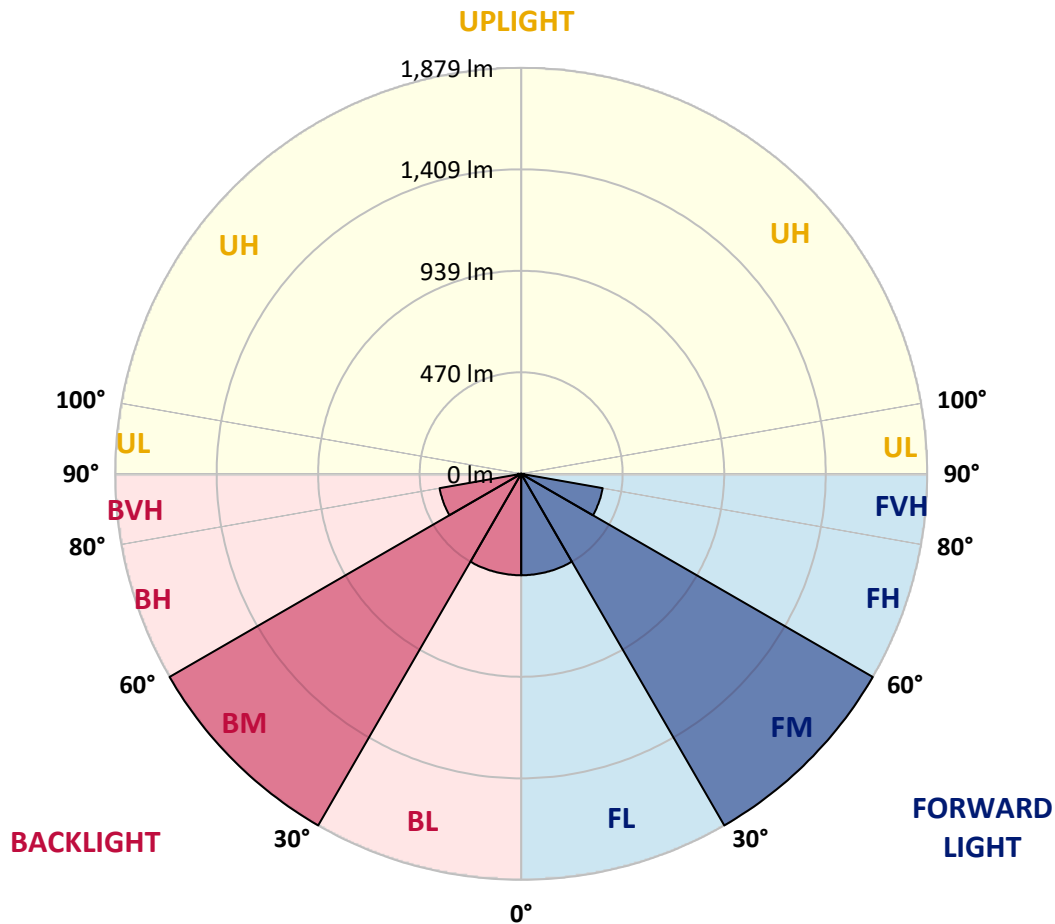
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	469.5	8.6			
FM	(30°-60°)	1878.7	34.2			
FH	(60°-80°)	383.0	7.0			G0/660
FVH	(80°-90°)	13.8	0.3			G1/100
BL	(0°-30°)	469.5	8.6	B1/500		
BM	(30°-60°)	1878.7	34.2	B2/2500		
BH	(60°-80°)	383.0	7.0	B1/500		G0/660
BVH	(80°-90°)	13.8	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°	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2
2.5°	1078.8	1089.6	1084.9	1082.2	1084.2	1080.9	1075.4	1081.5	1080.2	1074.8	1072.7
5°	1076.1	1084.2	1078.8	1084.2	1078.8	1088.3	1085.6	1075.4	1087.6	1076.1	1080.2
7.5°	1074.1	1076.8	1078.1	1075.4	1073.4	1084.9	1078.8	1074.1	1067.3	1065.3	1068.7
10°	1069.4	1076.1	1066.0	1079.5	1082.2	1074.1	1074.1	1065.3	1059.9	1056.5	1068.0
12.5°	1081.5	1070.0	1068.7	1075.4	1077.5	1080.9	1071.4	1066.6	1056.5	1057.9	1055.8
15°	1067.3	1072.1	1072.7	1074.1	1076.1	1084.2	1075.4	1065.3	1061.2	1047.0	1048.4
17.5°	1072.7	1068.0	1072.7	1088.3	1085.6	1091.7	1082.2	1066.6	1057.2	1049.1	1059.9
20°	1082.2	1080.2	1082.2	1101.1	1104.5	1109.9	1101.8	1087.6	1069.4	1059.9	1065.3
22.5°	1092.4	1091.0	1092.4	1110.6	1130.2	1137.0	1128.9	1095.7	1086.3	1068.7	1062.6
25°	1110.6	1112.0	1126.2	1146.5	1159.3	1172.2	1157.3	1133.6	1103.2	1092.4	1079.5
27.5°	1151.2	1154.6	1162.7	1192.5	1214.8	1226.3	1205.3	1172.8	1153.9	1131.6	1128.2
30°	1201.2	1201.2	1215.5	1241.2	1271.6	1289.2	1263.5	1224.9	1201.9	1189.7	1182.3
32.5°	1267.5	1260.1	1265.5	1310.8	1358.2	1373.0	1338.6	1291.2	1254.7	1238.4	1233.0
35°	1324.3	1329.1	1341.3	1390.0	1442.7	1477.2	1423.1	1361.5	1324.3	1309.5	1306.8
37.5°	1398.1	1406.2	1412.3	1479.2	1542.8	1555.7	1503.6	1454.2	1408.9	1396.7	1390.0
40°	1502.2	1496.8	1498.9	1548.2	1605.7	1613.8	1562.4	1527.3	1490.1	1482.6	1482.6
42.5°	1588.1	1582.0	1588.8	1607.1	1651.0	1645.0	1616.5	1590.8	1575.3	1567.2	1575.3
45°	1640.2	1638.9	1651.0	1664.6	1695.7	1675.4	1653.1	1657.1	1642.2	1628.7	1628.0
47.5°	1697.0	1688.2	1703.1	1723.4	1699.7	1690.3	1688.9	1697.7	1693.0	1669.3	1661.9
50°	1724.8	1721.4	1745.1	1768.7	1755.9	1734.2	1739.0	1753.2	1692.3	1660.5	1642.2
52.5°	1799.2	1799.8	1845.2	1858.0	1852.6	1820.8	1831.0	1792.4	1720.7	1676.1	1678.1
55°	1916.2	1911.4	1962.2	2000.1	2006.1	1965.6	1916.9	1862.7	1772.8	1727.5	1713.9
57°	1851.9	1862.7	1918.9	2031.2	2088.0	2040.0	1933.8	1835.0	1715.3	1660.5	1636.2
57.5°	1766.0	1783.6	1881.0	1994.0	2053.5	2049.4	1912.8	1783.6	1676.7	1591.5	1593.5
60°	1293.9	1297.3	1385.2	1564.5	1750.5	1754.5	1588.1	1417.0	1298.0	1205.3	1218.2
62.5°	682.5	698.0	733.2	877.3	1038.2	1077.5	976.7	888.8	786.0	715.6	722.4
65°	361.2	359.2	376.1	416.6	495.8	516.1	502.5	432.9	397.0	385.5	386.2
67.5°	293.5	296.9	294.9	296.9	302.3	311.1	309.1	311.8	313.8	317.2	316.5
70°	248.9	248.9	250.3	250.9	250.9	255.0	259.7	268.5	269.2	272.6	273.9
72.5°	196.1	194.8	196.8	201.6	202.2	205.6	212.4	217.8	219.8	219.8	215.8
75°	133.2	134.6	137.3	141.4	145.4	151.5	156.9	160.3	161.7	159.6	157.6
77.5°	75.1	76.4	78.5	84.5	89.3	94.7	100.8	104.2	107.5	108.2	104.2
80°	44.6	44.6	48.0	52.8	58.2	63.6	69.0	73.0	74.4	74.4	72.4
82.5°	27.1	27.7	30.4	35.2	39.9	43.3	48.0	51.4	54.1	53.4	52.1
85°	14.2	14.2	16.9	21.0	24.3	27.7	27.7	25.7	24.3	21.0	19.6
87.5°	4.7	4.1	5.4	5.4	4.7	5.4	5.4	6.1	6.1	6.1	6.1
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)