

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: P526692

Luminaire Tested: **GALN-SA1C-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526692
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-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 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: 4795 lumens
Efficiency: N/A
Efficacy: 84.1 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

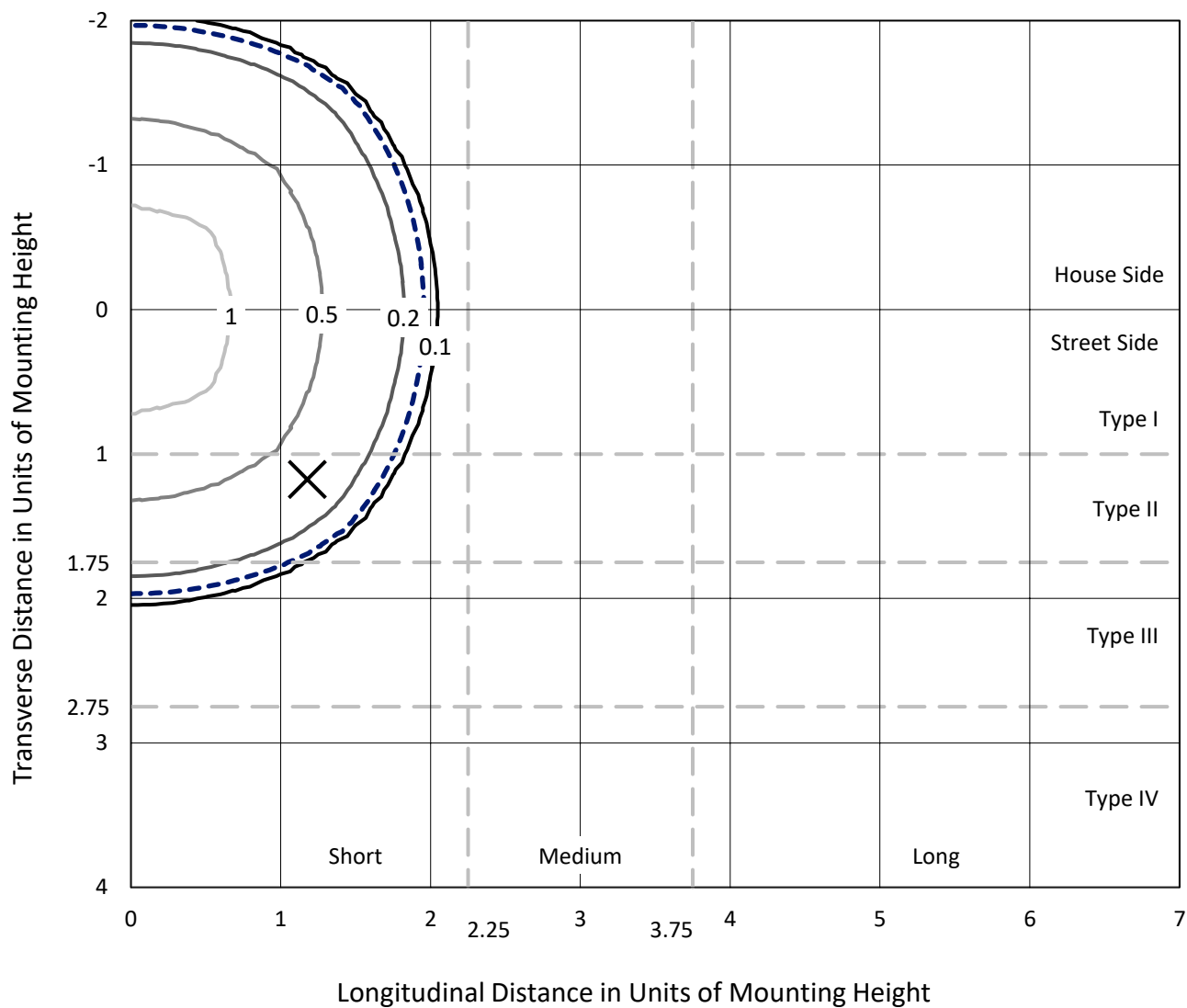


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Iso-Footcandle Lines of Horizontal Illumination

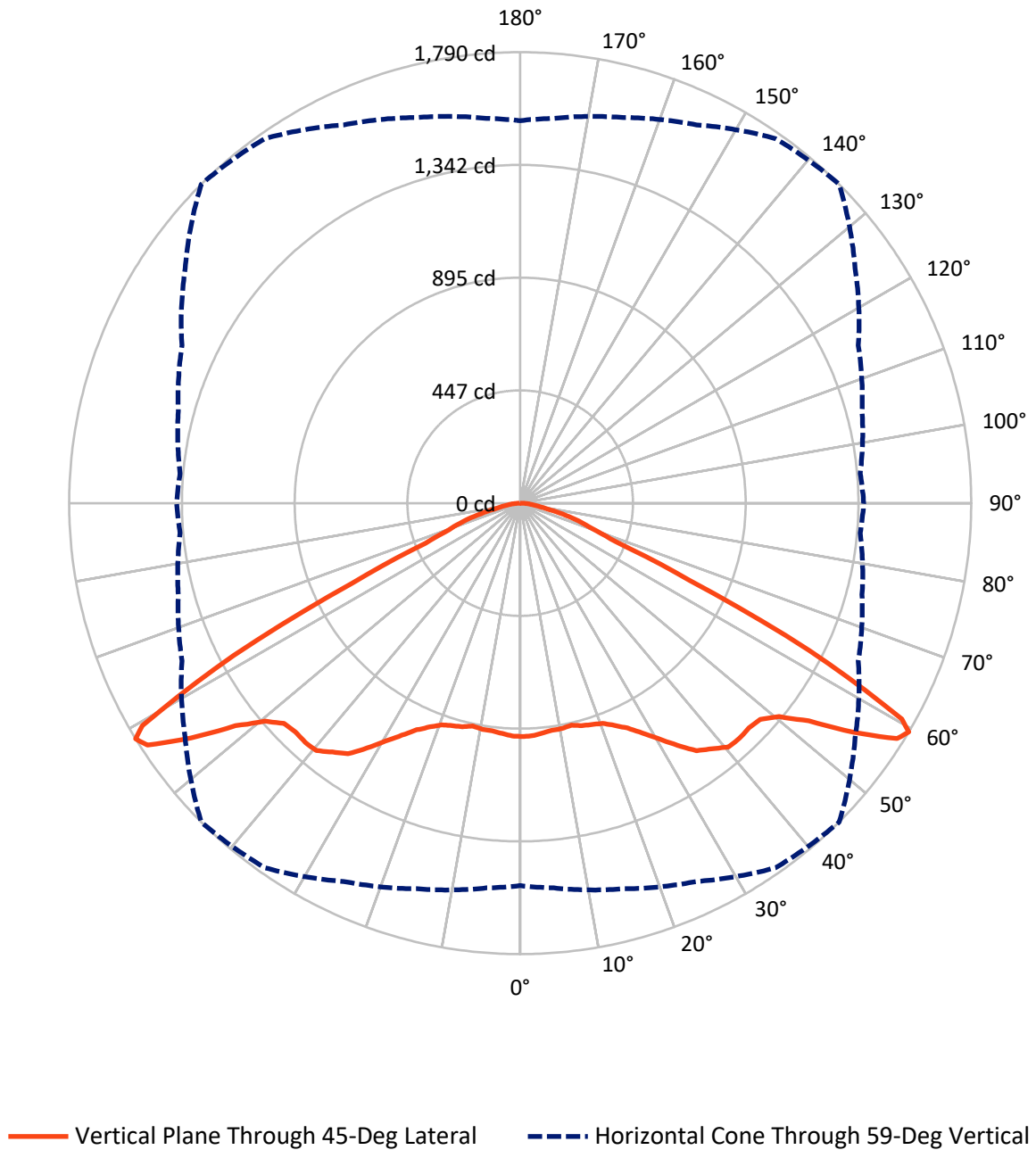
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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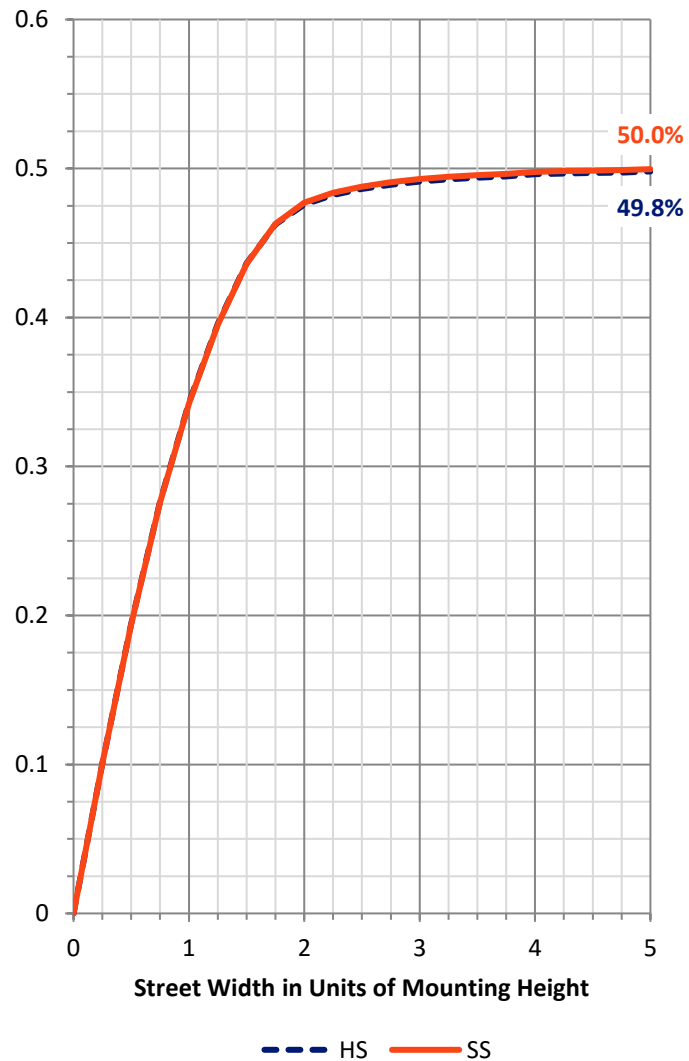
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2397.5	0.0	2397.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2397.5	0.0	2397.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4795.0	0.0	4795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.8
10°-20°	259.6	5.4
20°-30°	453.4	9.5
30°-40°	724.1	15.1
40°-50°	986.3	20.6
50°-60°	1333.8	27.8
60°-70°	731.5	15.3
70°-80°	187.1	3.9
80°-90°	31.9	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°	4795.0	100.0
0°-180°	4795.0	100.0

Coefficient of Utilization



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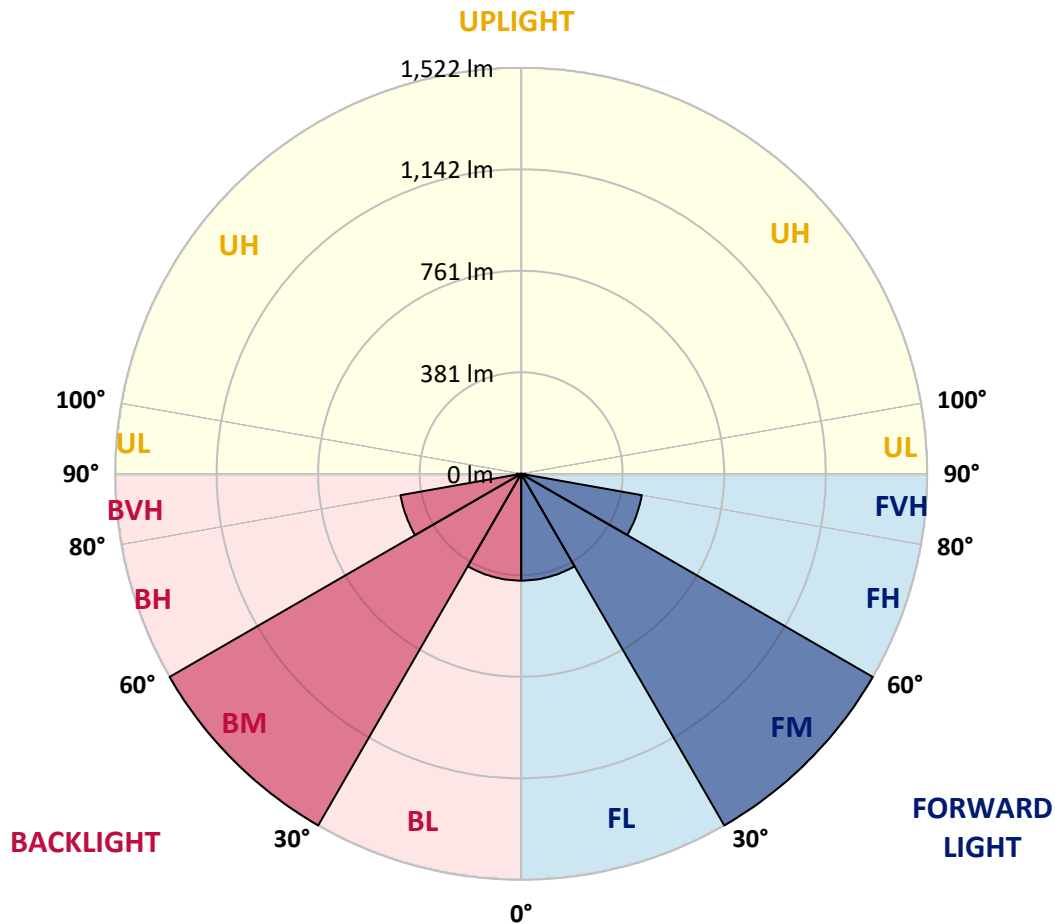
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	400.2	8.3			
FM	(30°-60°)	1522.1	31.7			
FH	(60°-80°)	459.3	9.6			G0/660
FVH	(80°-90°)	16.0	0.3			G1/100
BL	(0°-30°)	400.2	8.3	B1/500		
BM	(30°-60°)	1522.1	31.7	B2/2500		
BH	(60°-80°)	459.3	9.6	B1/500		G0/660
BVH	(80°-90°)	16.0	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°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2
2.5°	920.6	927.4	922.5	926.8	926.2	924.3	921.2	919.4	916.9	920.6	914.5
5°	916.9	922.5	928.0	920.6	920.6	916.9	915.1	911.4	911.4	910.8	910.2
7.5°	923.1	917.6	915.1	916.3	917.6	909.6	915.1	907.7	901.6	905.9	910.8
10°	917.6	920.0	910.8	915.1	908.3	909.6	905.9	910.8	904.0	904.0	904.0
12.5°	923.1	916.3	919.4	916.3	914.5	904.0	909.0	903.4	902.8	909.0	903.4
15°	934.2	923.1	920.6	914.5	916.3	916.3	911.4	912.0	905.3	909.0	910.2
17.5°	930.5	924.3	922.5	915.1	921.2	923.1	913.9	907.7	912.0	911.4	910.8
20°	933.5	936.0	934.2	935.4	937.8	932.9	924.3	915.7	910.2	918.2	917.6
22.5°	953.2	950.7	949.5	948.3	952.6	957.5	945.8	932.3	932.3	937.8	940.3
25°	969.2	968.6	968.0	973.5	988.2	988.2	973.5	956.3	952.0	955.7	952.6
27.5°	992.5	999.3	996.8	1006.7	1028.2	1033.1	1013.4	993.2	981.5	977.2	982.7
30°	1046.0	1038.0	1039.9	1050.3	1069.4	1085.3	1055.2	1033.7	1017.7	1017.1	1019.6
32.5°	1081.7	1087.8	1093.3	1103.2	1133.3	1145.6	1109.3	1074.3	1064.4	1058.9	1060.8
35°	1152.9	1147.4	1146.2	1156.0	1186.1	1206.4	1160.9	1130.2	1117.3	1129.6	1129.6
37.5°	1220.5	1205.2	1193.5	1206.4	1234.1	1236.5	1197.8	1181.2	1174.5	1188.6	1188.0
40°	1252.5	1251.3	1224.2	1231.6	1268.5	1272.2	1235.9	1216.2	1215.0	1233.5	1251.9
42.5°	1285.7	1274.0	1247.0	1251.9	1274.6	1275.9	1241.4	1235.9	1249.4	1267.3	1268.5
45°	1291.2	1281.4	1264.2	1251.9	1268.5	1272.2	1251.9	1255.6	1256.8	1278.3	1278.3
47.5°	1302.3	1301.1	1291.2	1282.0	1285.1	1282.0	1269.1	1274.6	1293.1	1303.5	1298.6
50°	1333.0	1320.1	1329.9	1322.0	1322.6	1331.2	1319.5	1325.0	1321.3	1312.1	1306.0
52.5°	1400.6	1394.5	1403.1	1408.6	1414.8	1434.4	1420.9	1391.4	1363.7	1339.2	1338.5
55°	1499.6	1503.9	1520.5	1548.7	1572.7	1604.0	1538.9	1468.2	1424.0	1385.3	1387.7
57.5°	1593.0	1589.9	1612.6	1677.2	1747.2	1763.2	1635.4	1534.6	1462.7	1438.1	1427.7
59°	1518.0	1532.8	1584.4	1656.3	1766.3	1789.6	1622.5	1480.5	1404.3	1354.5	1363.1
60°	1400.0	1405.5	1451.6	1551.8	1700.5	1740.5	1535.8	1396.9	1295.5	1266.6	1279.5
62.5°	989.5	985.2	1018.4	1100.1	1233.5	1287.5	1141.9	1044.2	980.2	948.3	955.7
65°	526.1	545.7	559.3	610.3	680.9	738.1	677.9	635.5	599.8	573.4	572.8
67.5°	355.2	352.8	355.8	367.5	391.5	407.5	406.2	384.7	381.7	376.7	382.3
70°	299.3	298.1	292.5	292.5	297.5	301.1	305.4	307.9	312.8	319.0	318.3
72.5°	242.8	239.7	236.0	234.2	240.3	242.1	247.7	250.1	254.4	253.8	259.4
75°	160.4	160.4	164.7	169.6	171.5	175.2	175.8	183.1	183.1	184.4	179.5
77.5°	89.7	87.3	90.3	95.3	99.6	106.3	113.1	118.6	121.7	120.5	120.5
80°	52.2	52.2	55.3	60.8	66.4	72.5	77.4	81.7	84.8	83.6	81.1
82.5°	32.6	32.6	35.6	41.2	45.5	49.2	55.9	61.5	65.1	63.9	60.8
85°	16.6	16.6	20.3	24.0	29.5	32.0	31.3	28.9	28.3	25.2	25.2
87.5°	4.3	4.3	6.1	6.8	5.5	6.1	6.1	6.1	6.1	6.1	6.8
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)