

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: P526298

Luminaire Tested: **GALN-SA1B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526298
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-SA1B-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 4629 lumens
Efficiency: N/A
Efficacy: 105.2 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

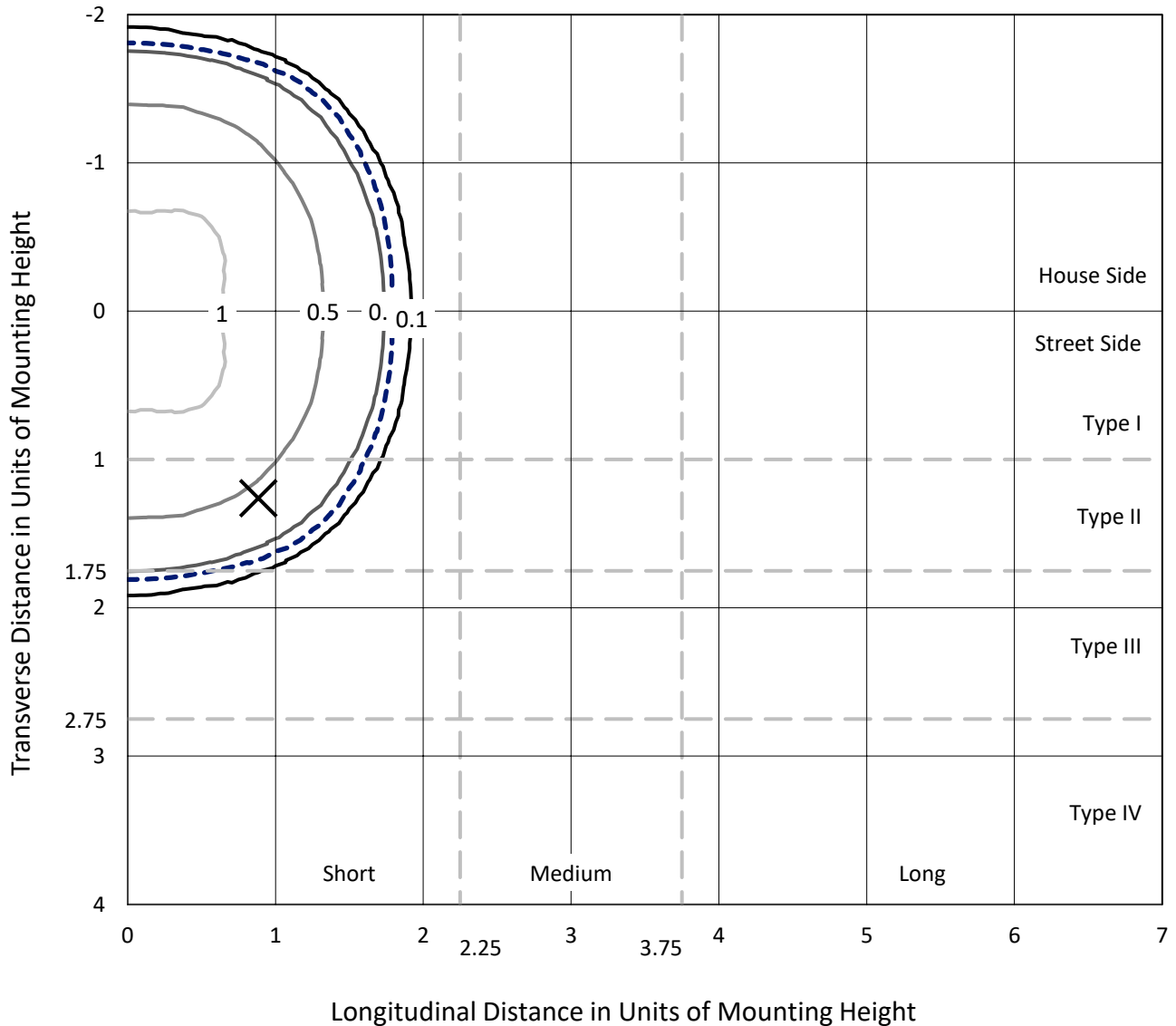
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526298
 CATALOG NUMBER: GALN-SA1B-730-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

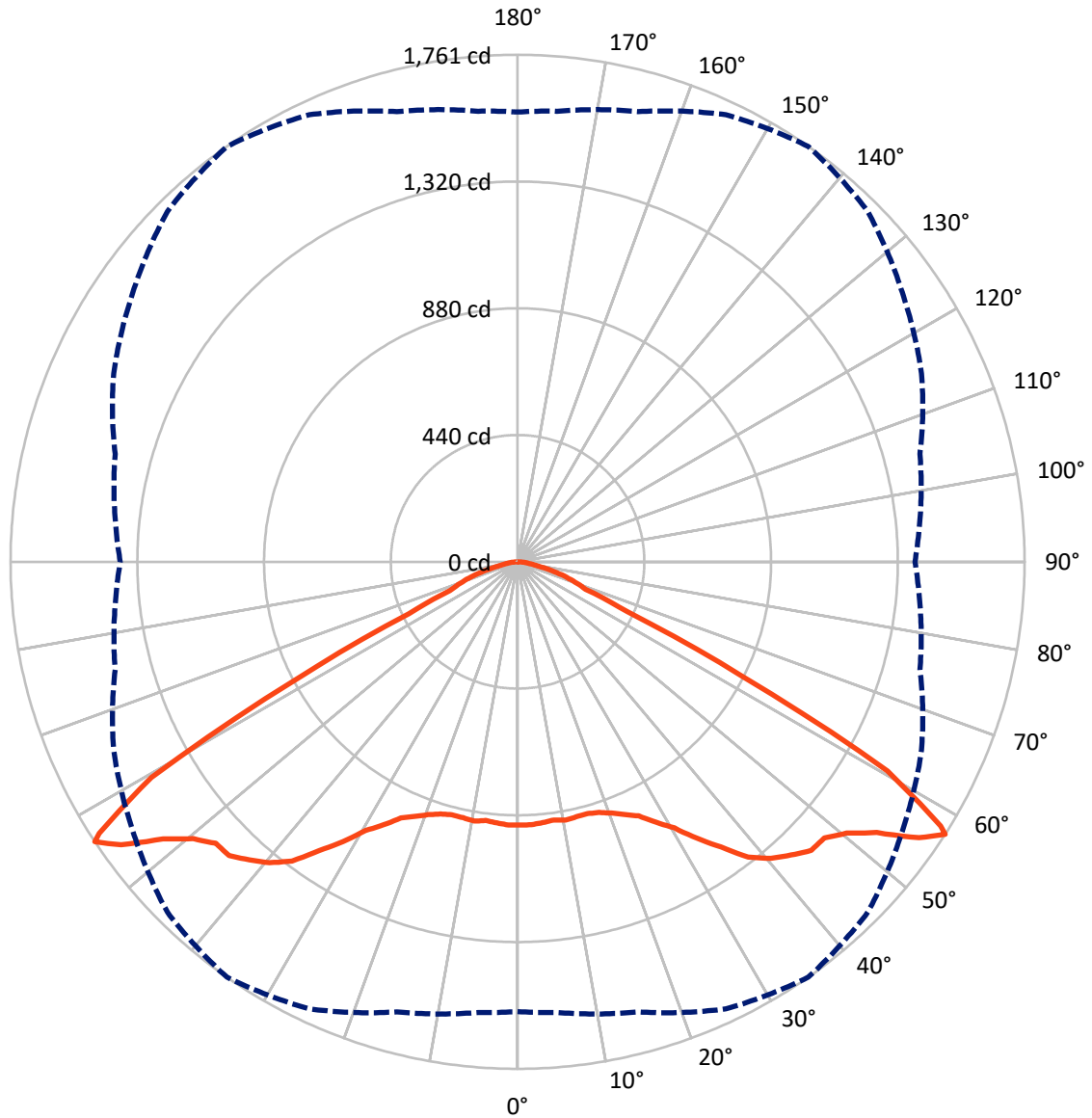
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526298
CATALOG NUMBER: GALN-SA1B-730-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P526298
 CATALOG NUMBER: GALN-SA1B-730-U-5MQ-GRSWH

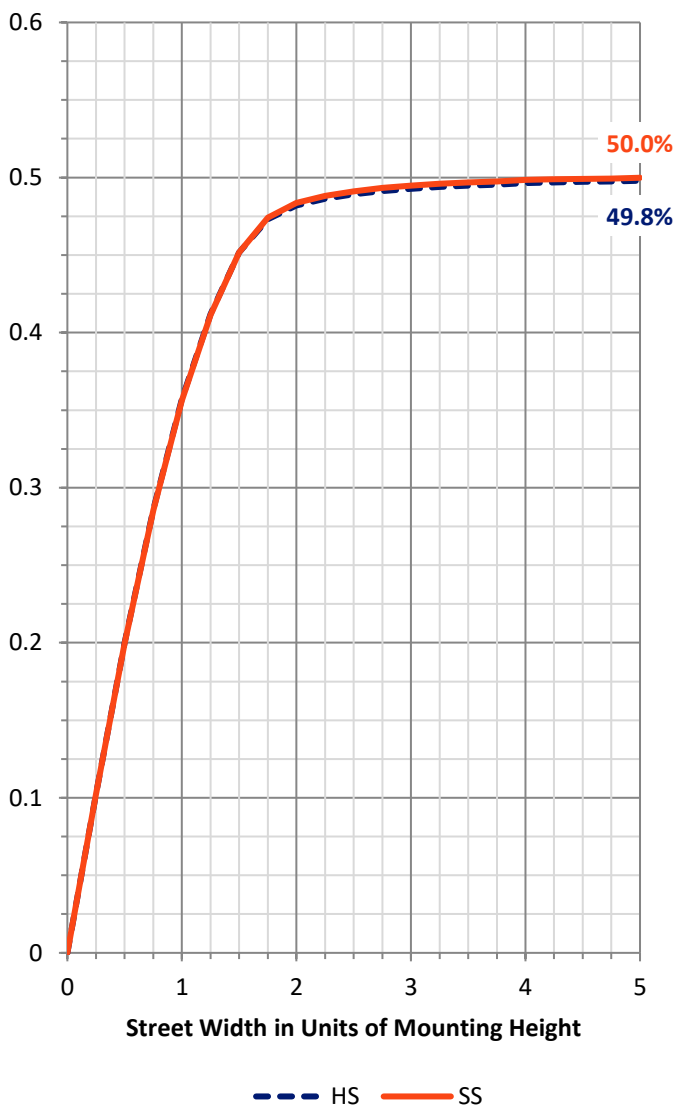
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2314.5	0.0	2314.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2314.5	0.0	2314.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4629.0	0.0	4629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	1.9
10°-20°	256.7	5.5
20°-30°	448.3	9.7
30°-40°	734.6	15.9
40°-50°	1077.0	23.3
50°-60°	1356.6	29.3
60°-70°	510.2	11.0
70°-80°	135.7	2.9
80°-90°	23.3	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°	4629.0	100.0
0°-180°	4629.0	100.0

Coefficient of Utilization



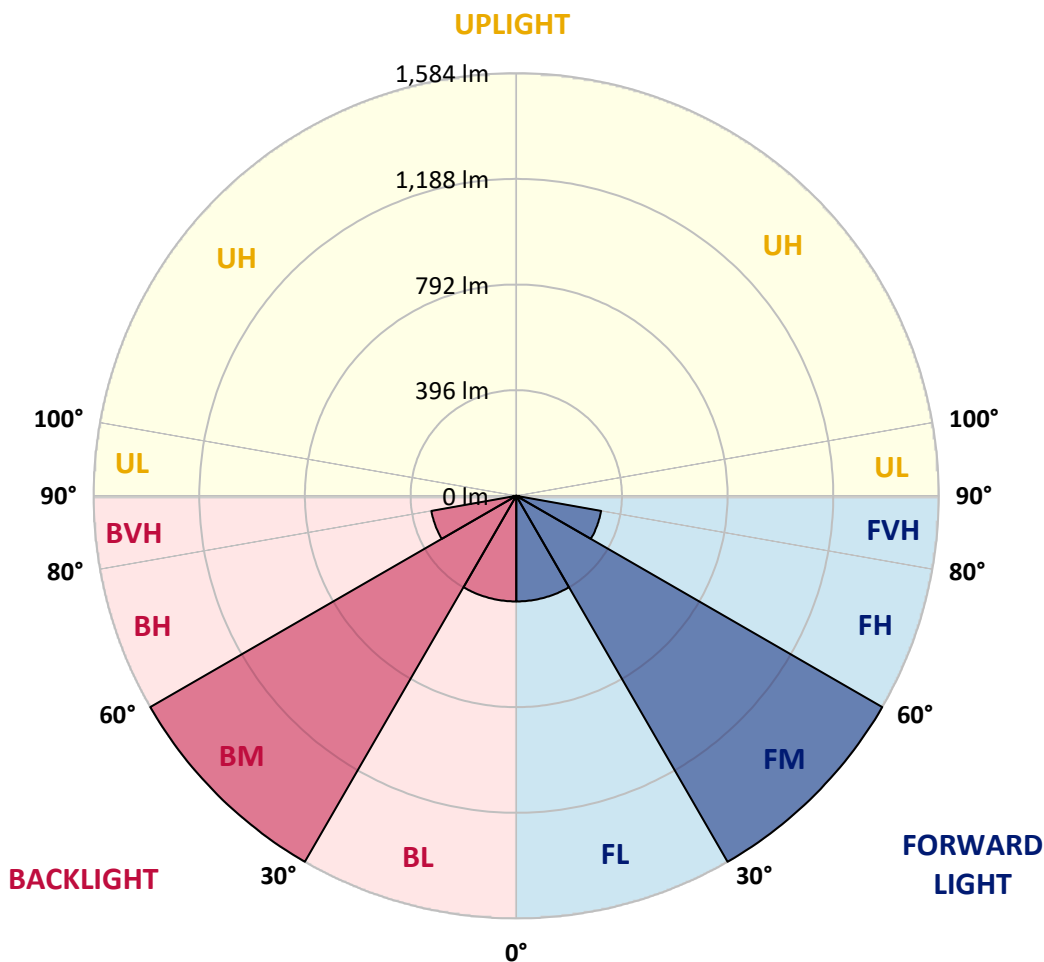
REPORT NUMBER: P526298
 CATALOG NUMBER: GALN-SA1B-730-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.8	8.6			
FM (30°-60°)	1584.1	34.2			
FH (60°-80°)	322.9	7.0			G0/660
FVH (80°-90°)	11.6	0.3			G1/100
BL (0°-30°)	395.8	8.6	B1/500		
BM (30°-60°)	1584.1	34.2	B2/2500		
BH (60°-80°)	322.9	7.0	B1/500		G0/660
BVH (80°-90°)	11.6	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: P526298

CATALOG NUMBER: GALN-SA1B-730-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2
2.5°	909.6	918.8	914.8	912.5	914.2	911.3	906.8	911.9	910.8	906.2	904.5
5°	907.3	914.2	909.6	914.2	909.6	917.6	915.3	906.8	917.0	907.3	910.8
7.5°	905.6	907.9	909.1	906.8	905.1	914.8	909.6	905.6	899.9	898.2	901.1
10°	901.6	907.3	898.8	910.2	912.5	905.6	905.6	898.2	893.7	890.8	900.5
12.5°	911.9	902.2	901.1	906.8	908.5	911.3	903.4	899.4	890.8	892.0	890.2
15°	899.9	903.9	904.5	905.6	907.3	914.2	906.8	898.2	894.8	882.8	884.0
17.5°	904.5	900.5	904.5	917.6	915.3	920.5	912.5	899.4	891.4	884.5	893.7
20°	912.5	910.8	912.5	928.5	931.3	935.9	929.0	917.0	901.6	893.7	898.2
22.5°	921.0	919.9	921.0	936.4	953.0	958.7	951.8	923.9	915.9	901.1	895.9
25°	936.4	937.6	949.6	966.7	977.5	988.3	975.8	955.8	930.2	921.0	910.2
27.5°	970.7	973.5	980.3	1005.4	1024.3	1034.0	1016.3	988.9	972.9	954.1	951.3
30°	1012.9	1012.9	1024.8	1046.5	1072.2	1087.0	1065.3	1032.8	1013.4	1003.2	996.9
32.5°	1068.7	1062.5	1067.0	1105.2	1145.2	1157.7	1128.6	1088.7	1057.9	1044.2	1039.7
35°	1116.7	1120.6	1130.9	1172.0	1216.5	1245.5	1199.9	1148.0	1116.7	1104.1	1101.8
37.5°	1178.8	1185.7	1190.8	1247.2	1300.9	1311.7	1267.8	1226.1	1187.9	1177.7	1172.0
40°	1266.6	1262.1	1263.8	1305.4	1353.9	1360.7	1317.4	1287.7	1256.4	1250.1	1250.1
42.5°	1339.1	1333.9	1339.6	1355.0	1392.1	1387.0	1363.0	1341.3	1328.2	1321.4	1328.2
45°	1383.0	1381.8	1392.1	1403.5	1429.7	1412.6	1393.8	1397.2	1384.7	1373.3	1372.7
47.5°	1430.9	1423.5	1436.0	1453.1	1433.2	1425.2	1424.0	1431.5	1427.5	1407.5	1401.2
50°	1454.3	1451.4	1471.4	1491.3	1480.5	1462.3	1466.2	1478.2	1426.9	1400.1	1384.7
52.5°	1517.0	1517.6	1555.8	1566.6	1562.1	1535.3	1543.8	1511.3	1450.8	1413.2	1414.9
55°	1615.7	1611.7	1654.4	1686.4	1691.5	1657.3	1616.2	1570.6	1494.8	1456.6	1445.1
57°	1561.5	1570.6	1617.9	1712.6	1760.5	1720.0	1630.5	1547.2	1446.3	1400.1	1379.6
57.5°	1489.1	1503.9	1586.0	1681.2	1731.4	1728.0	1612.8	1503.9	1413.8	1341.9	1343.6
60°	1091.0	1093.8	1168.0	1319.1	1475.9	1479.4	1339.1	1194.8	1094.4	1016.3	1027.1
62.5°	575.4	588.6	618.2	739.7	875.4	908.5	823.5	749.4	662.7	603.4	609.1
65°	304.5	302.8	317.1	351.3	418.0	435.1	423.7	365.0	334.8	325.1	325.6
67.5°	247.5	250.4	248.7	250.4	254.9	262.3	260.6	262.9	264.6	267.5	266.9
70°	209.9	209.9	211.0	211.6	211.6	215.0	219.0	226.4	227.0	229.8	231.0
72.5°	165.4	164.2	166.0	169.9	170.5	173.4	179.1	183.6	185.3	185.3	181.9
75°	112.3	113.5	115.8	119.2	122.6	127.7	132.3	135.2	136.3	134.6	132.9
77.5°	63.3	64.4	66.2	71.3	75.3	79.8	85.0	87.8	90.7	91.2	87.8
80°	37.6	37.6	40.5	44.5	49.0	53.6	58.2	61.6	62.7	62.7	61.0
82.5°	22.8	23.4	25.7	29.7	33.6	36.5	40.5	43.3	45.6	45.1	43.9
85°	12.0	12.0	14.3	17.7	20.5	23.4	23.4	21.7	20.5	17.7	16.5
87.5°	4.0	3.4	4.6	4.6	4.0	4.6	4.6	5.1	5.1	5.1	5.1
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)