

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: P526456

Luminaire Tested: **GALN-SA1B-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4121 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

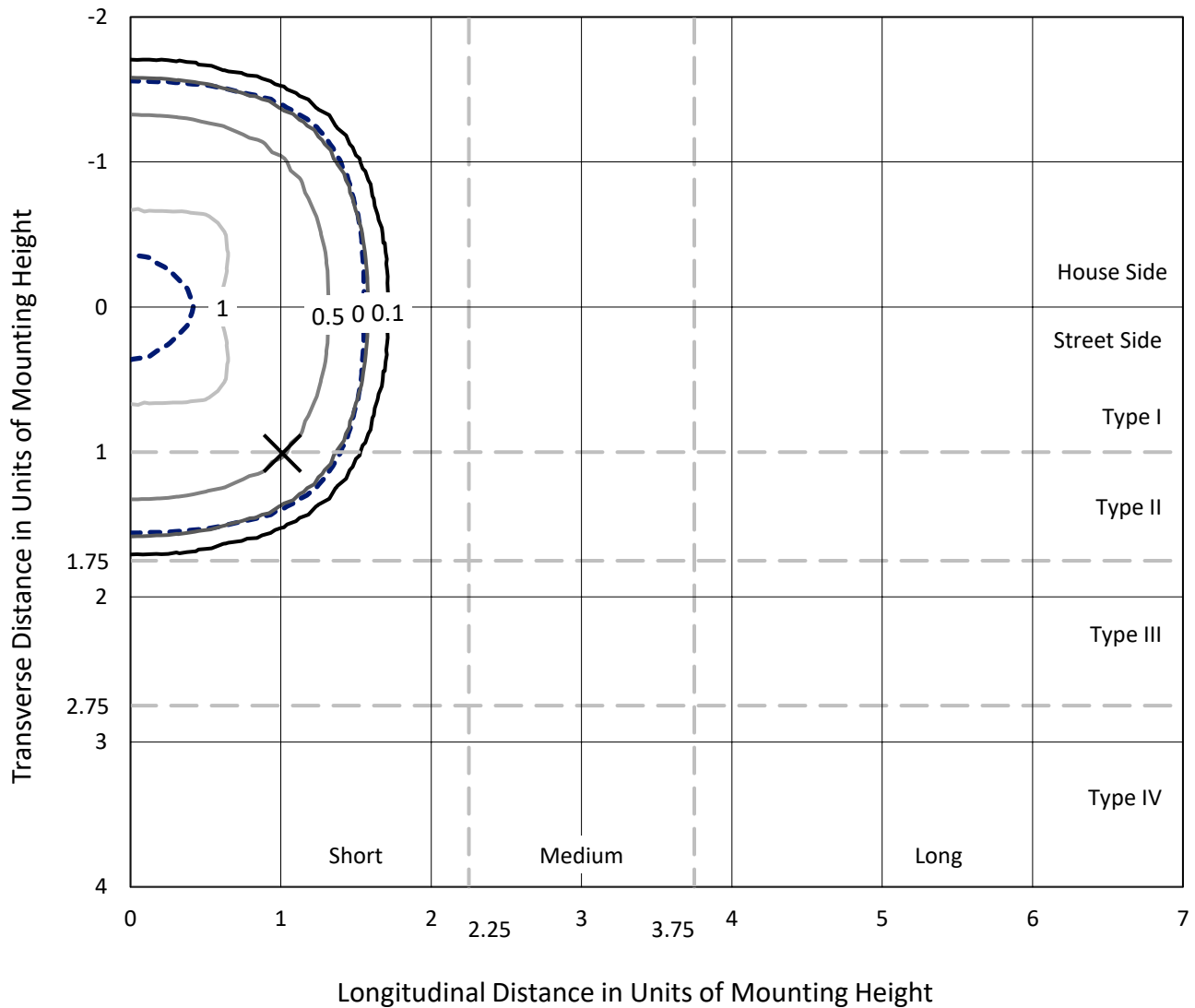
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

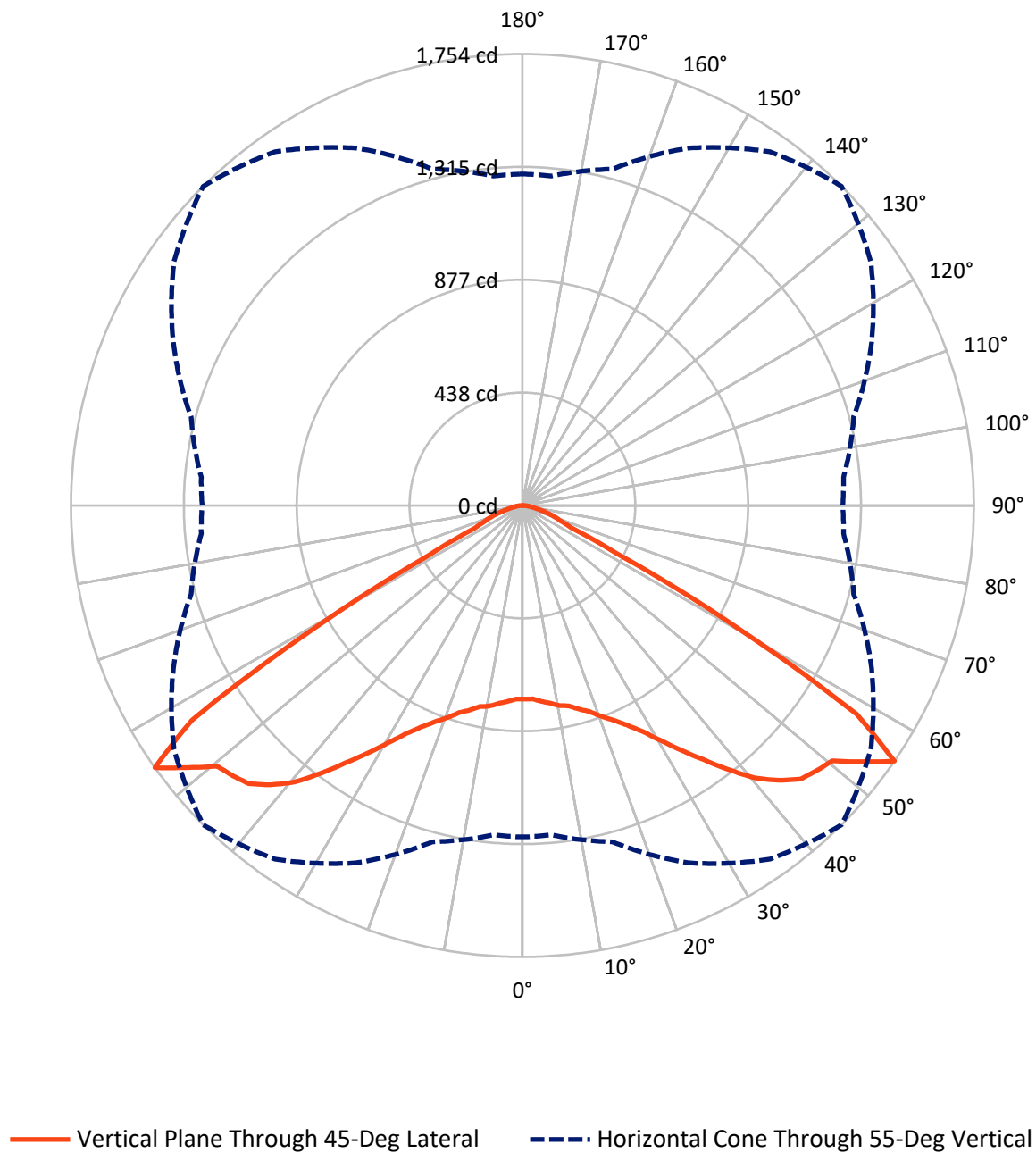


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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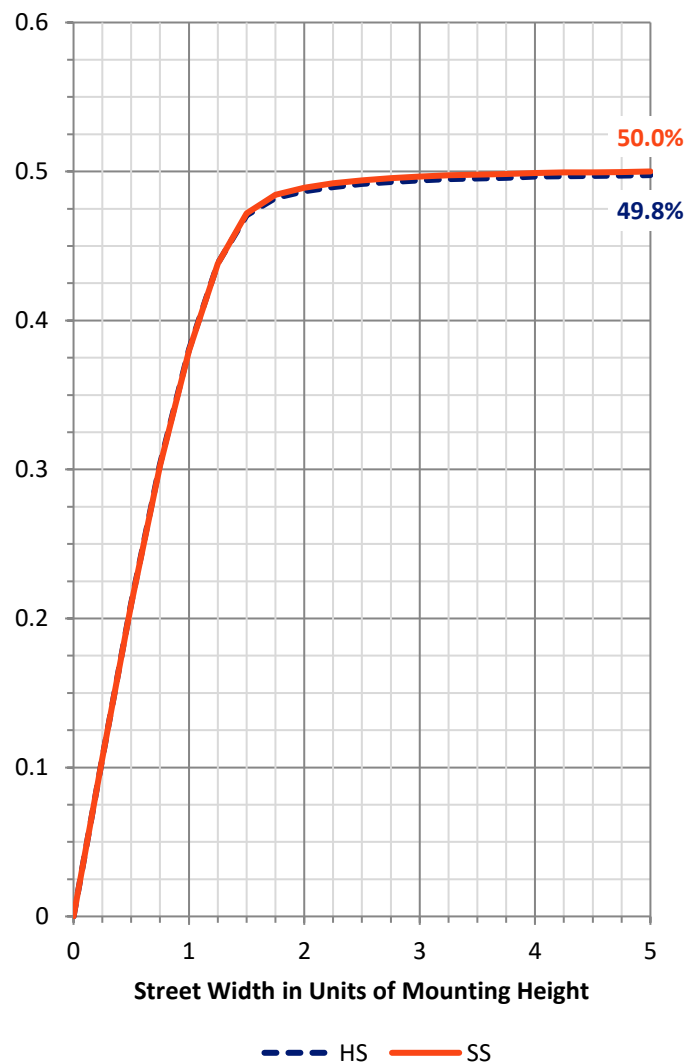
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2060.5	0.0	2060.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2060.5	0.0	2060.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4121.0	0.0	4121.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	1.8
10°-20°	232.9	5.7
20°-30°	434.3	10.5
30°-40°	727.1	17.6
40°-50°	1131.5	27.5
50°-60°	1174.9	28.5
60°-70°	249.1	6.0
70°-80°	82.1	2.0
80°-90°	15.6	0.4
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°	4121.0	100.0
0°-180°	4121.0	100.0

Coefficient of Utilization



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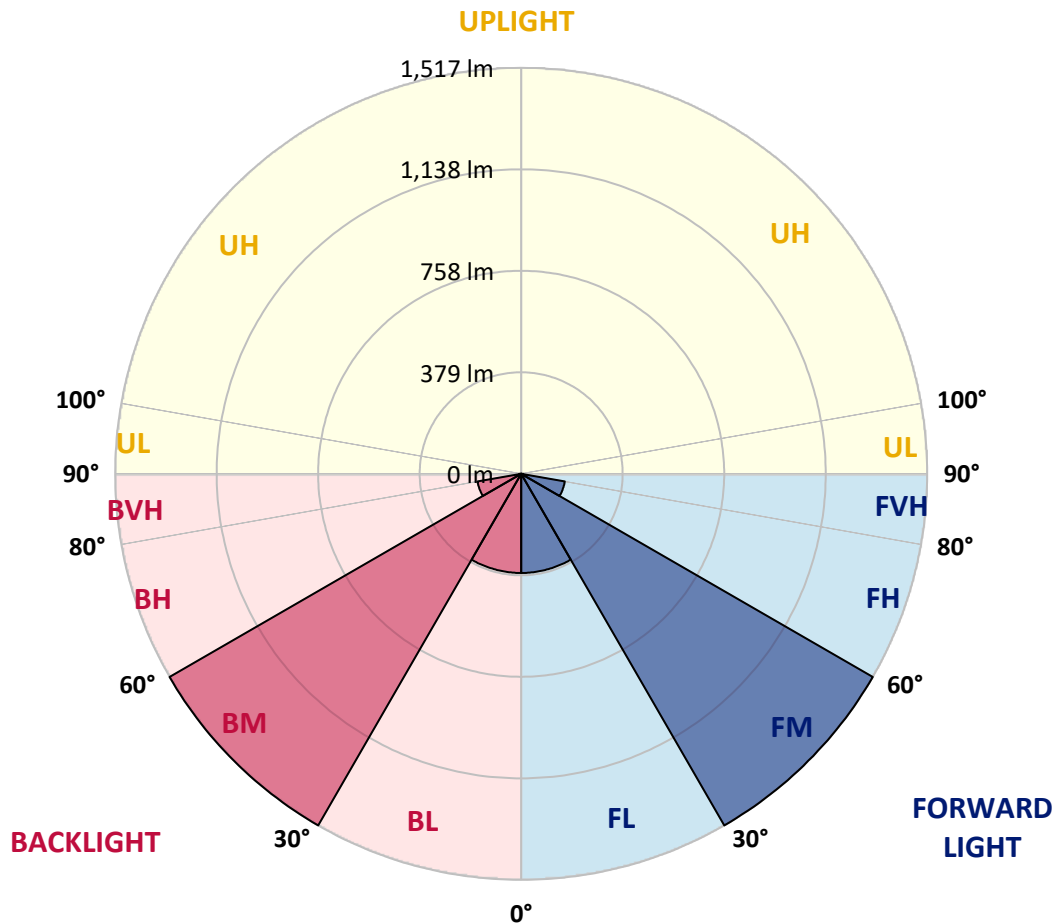
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.4	9.0			
FM	(30°-60°)	1516.7	36.8			
FH	(60°-80°)	165.6	4.0			G0/660
FVH	(80°-90°)	7.8	0.2			G0/10
BL	(0°-30°)	370.4	9.0	B1/500		
BM	(30°-60°)	1516.7	36.8	B2/2500		
BH	(60°-80°)	165.6	4.0	B1/500		G0/660
BVH	(80°-90°)	7.8	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	752.4	752.4	752.4	752.4	752.4	752.4	752.4	752.4	752.4	752.4	752.4
2.5°	761.4	757.9	751.9	756.4	759.9	752.4	755.4	756.9	755.9	751.9	753.4
5°	772.4	770.4	765.4	768.9	764.4	764.4	761.4	757.4	763.4	762.4	764.9
7.5°	772.4	769.9	779.8	773.3	775.3	775.3	770.4	766.4	769.4	764.9	762.4
10°	787.8	791.3	786.8	788.3	787.3	790.8	783.3	780.8	778.3	776.8	773.8
12.5°	806.2	803.7	805.2	804.2	807.7	798.7	794.3	788.8	793.3	786.8	791.3
15°	821.2	819.7	821.2	825.1	821.7	821.2	813.2	807.7	800.7	802.2	795.3
17.5°	841.6	840.1	840.6	844.1	843.6	841.1	835.1	824.6	822.1	818.2	813.7
20°	871.9	869.5	868.5	870.0	872.4	874.4	862.5	858.5	850.0	843.6	836.1
22.5°	897.8	896.8	900.8	894.4	899.8	905.8	894.4	892.4	871.4	868.0	860.0
25°	933.7	932.2	929.7	939.2	945.6	945.1	934.2	923.2	907.3	903.3	903.3
27.5°	971.5	963.1	976.0	978.5	990.0	993.5	984.0	968.1	953.1	944.6	946.6
30°	1018.8	1010.9	1013.9	1031.8	1046.7	1059.7	1035.8	1012.4	991.5	976.5	974.0
32.5°	1066.2	1058.2	1067.2	1084.6	1114.5	1133.9	1110.5	1069.6	1045.2	1023.3	1027.8
35°	1104.5	1110.5	1124.9	1151.3	1182.2	1213.6	1176.2	1144.8	1110.0	1085.6	1089.1
37.5°	1166.2	1184.7	1196.1	1226.5	1270.3	1302.7	1263.8	1223.0	1185.7	1153.8	1142.8
40°	1246.9	1259.4	1272.3	1308.2	1360.0	1392.3	1355.5	1302.2	1265.3	1232.5	1231.0
42.5°	1335.6	1347.5	1361.0	1404.8	1435.6	1460.0	1426.2	1397.8	1357.0	1331.1	1329.6
45°	1438.6	1430.2	1445.1	1474.0	1499.9	1515.8	1493.9	1480.0	1450.6	1426.7	1424.2
47.5°	1507.4	1499.9	1526.8	1552.7	1556.7	1539.2	1543.7	1556.7	1525.8	1486.4	1498.9
50°	1547.2	1547.2	1565.1	1589.0	1581.6	1559.1	1594.5	1595.5	1564.6	1529.8	1529.8
52.5°	1478.0	1493.4	1544.2	1622.4	1647.3	1653.8	1645.8	1611.9	1531.3	1460.0	1456.6
55°	1287.8	1284.3	1353.0	1532.3	1677.2	1753.9	1652.3	1496.4	1332.6	1252.4	1244.4
57.5°	837.6	841.6	944.2	1126.9	1388.3	1531.3	1360.0	1140.8	944.2	833.6	844.1
60°	377.0	390.4	452.7	589.1	813.7	930.2	815.7	619.0	475.1	412.3	417.8
62.5°	216.6	219.1	221.6	262.9	346.6	409.8	360.0	277.9	245.0	234.0	234.0
65°	182.8	181.3	181.8	185.2	194.2	207.2	201.7	194.2	195.2	194.2	192.7
67.5°	155.4	157.4	155.9	158.4	158.9	160.8	164.3	167.3	167.8	168.8	167.8
70°	127.5	128.0	129.0	131.0	131.5	133.0	137.9	140.4	141.9	141.9	143.9
72.5°	97.6	97.1	98.1	100.1	102.6	103.1	107.6	111.0	113.0	110.5	111.0
75°	64.2	64.7	66.2	67.7	71.2	74.7	76.2	79.7	80.2	81.2	78.7
77.5°	38.3	39.3	40.8	43.8	46.8	49.8	53.3	55.8	56.8	55.8	52.8
80°	24.9	24.9	26.9	29.4	32.9	35.4	37.3	39.3	40.8	39.3	38.3
82.5°	15.4	15.4	17.9	20.9	23.4	24.9	27.9	30.4	31.9	30.9	29.4
85°	8.0	8.5	10.5	12.9	14.9	15.9	15.4	13.9	12.4	12.0	11.0
87.5°	2.5	2.5	3.0	3.0	2.5	2.5	3.0	2.5	3.0	3.0	3.0
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)