

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: P527235

Luminaire Tested: **GALN-SA2B-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7159 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

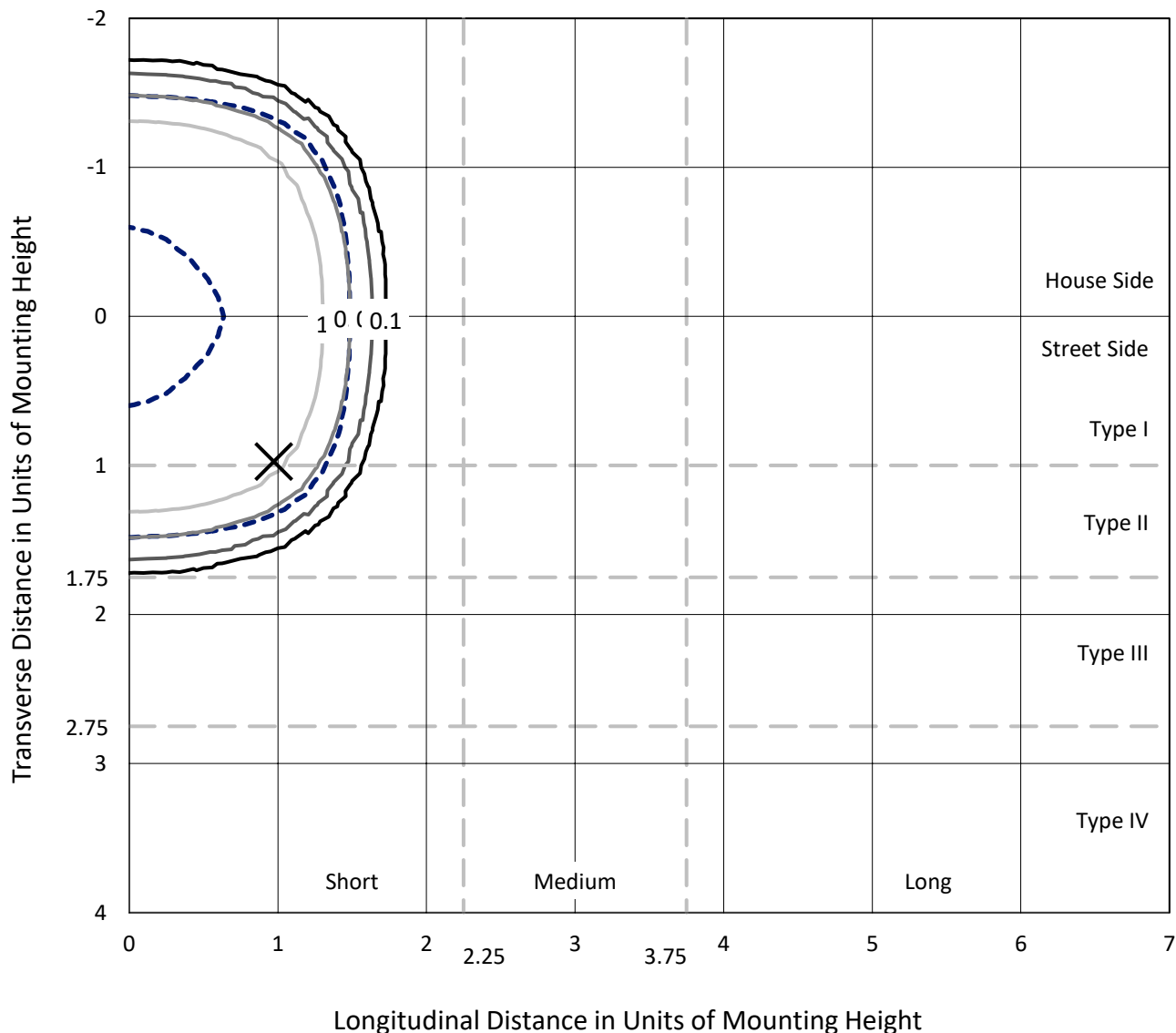
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

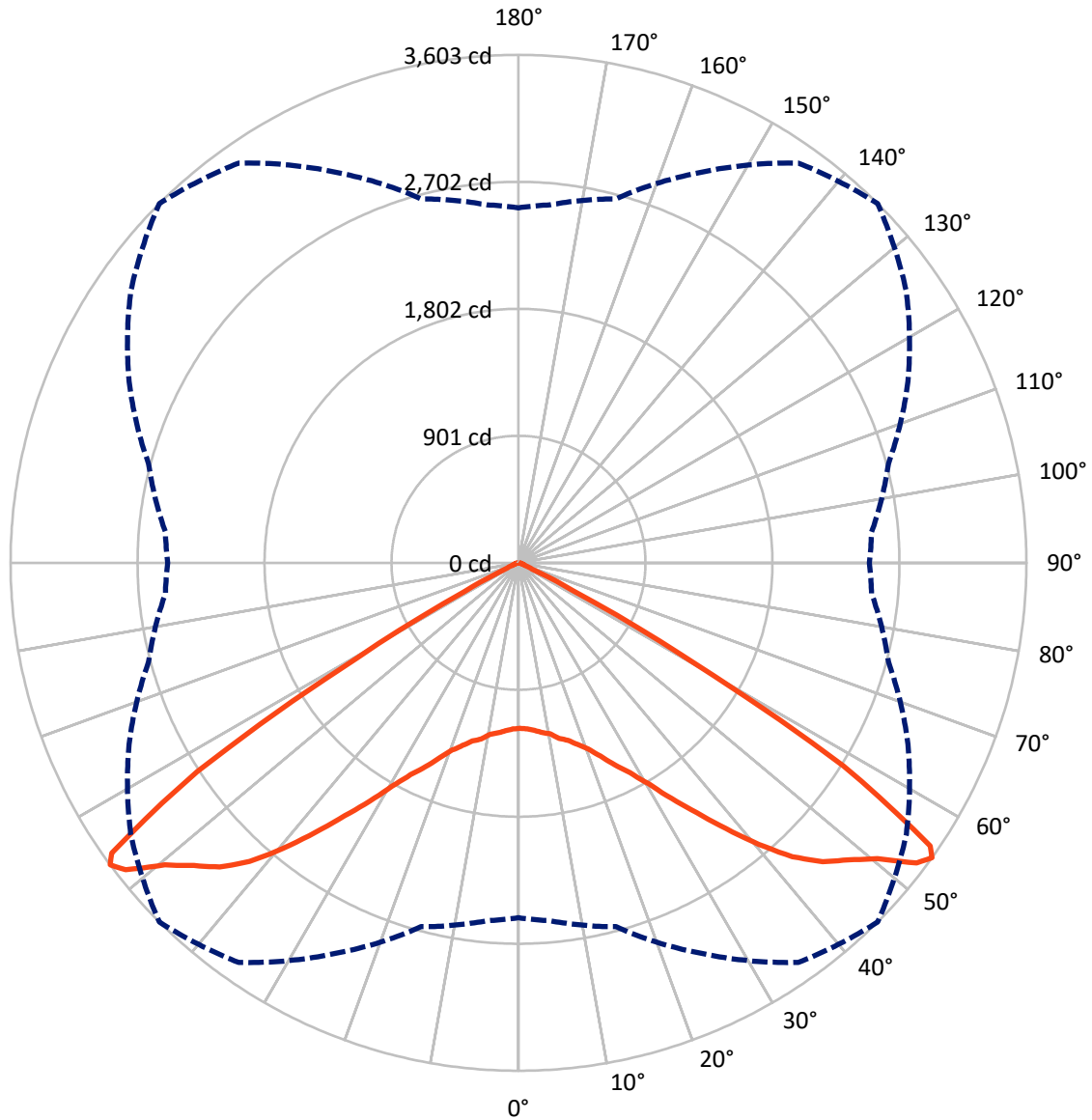
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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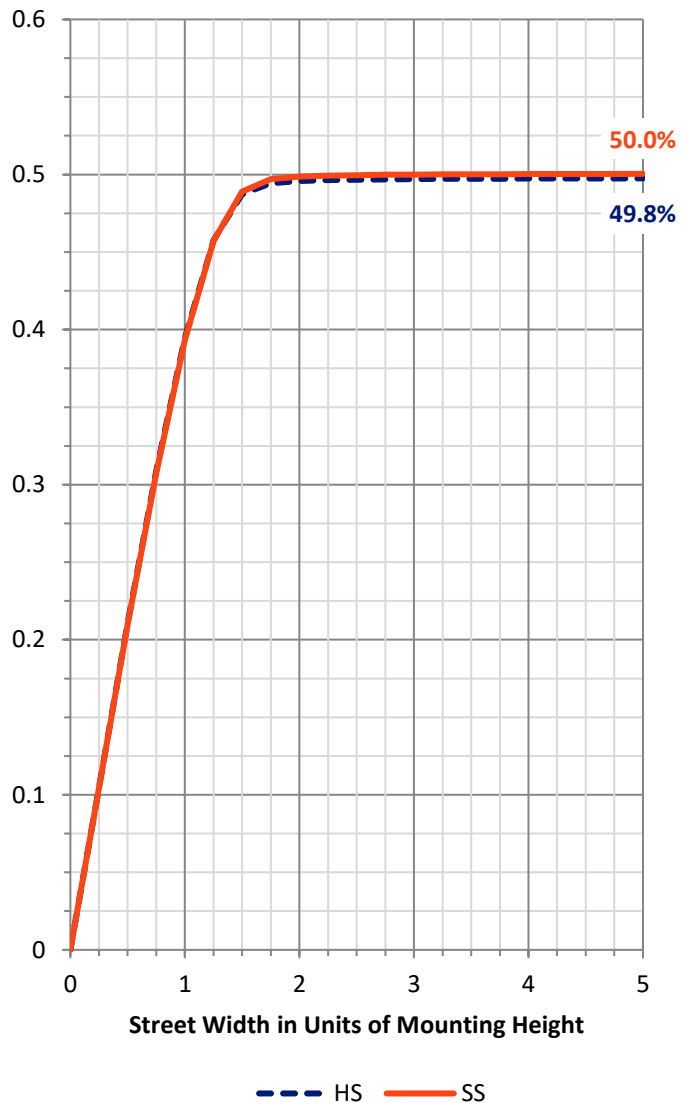
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3579.5	0.0	3579.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3579.5	0.0	3579.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7159.0	0.0	7159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	1.6
10°-20°	372.1	5.2
20°-30°	729.2	10.2
30°-40°	1311.3	18.3
40°-50°	2244.7	31.4
50°-60°	2171.9	30.3
60°-70°	185.9	2.6
70°-80°	22.0	0.3
80°-90°	6.9	0.1
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°	7159.0	100.0
0°-180°	7159.0	100.0

Coefficient of Utilization

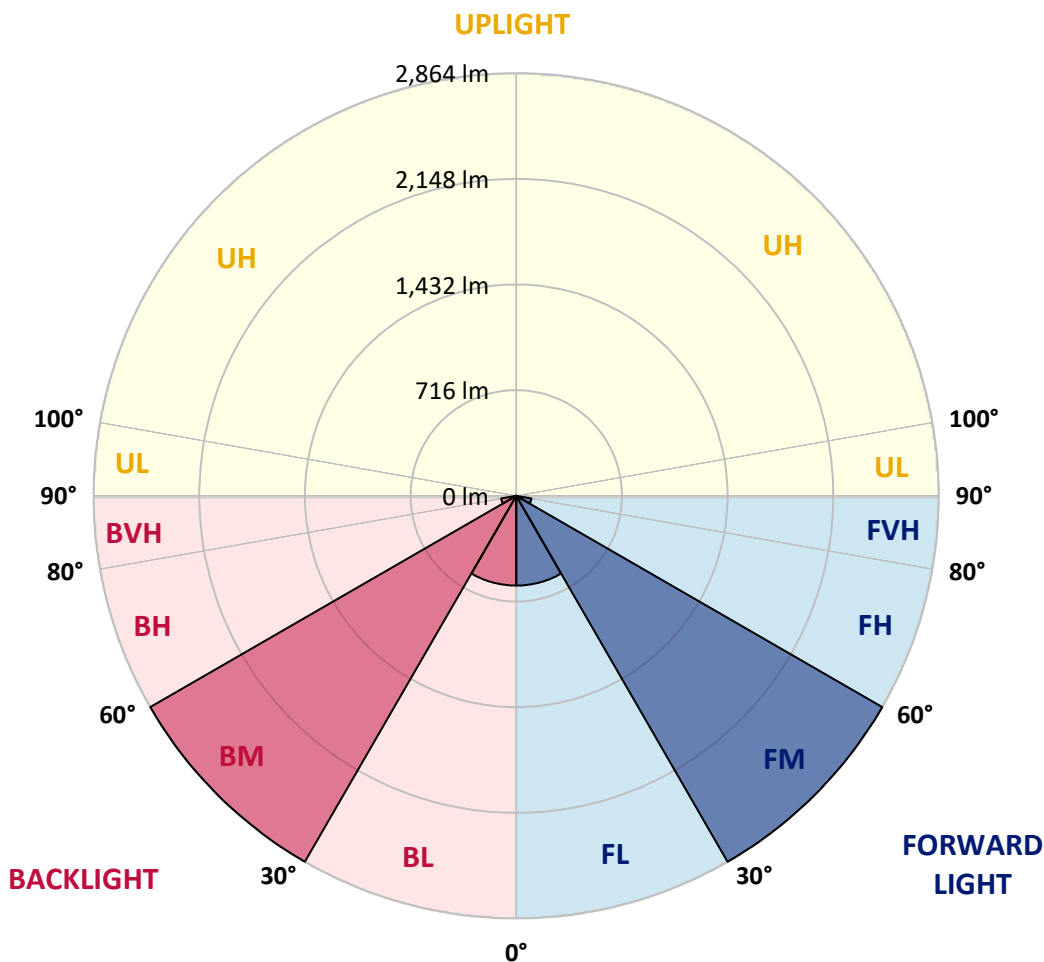


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.1	8.5			
FM (30°-60°)	2864.0	40.0			
FH (60°-80°)	104.0	1.5			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	608.1	8.5	B2/1000		
BM (30°-60°)	2864.0	40.0	B3/5000		
BH (60°-80°)	104.0	1.5	B0/110		G0/660
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9
2.5°	1179.5	1186.3	1181.8	1185.2	1185.2	1179.5	1182.9	1169.3	1178.4	1171.6	1172.7
5°	1197.7	1196.5	1196.5	1197.7	1193.1	1195.4	1190.9	1186.3	1182.9	1178.4	1192.0
7.5°	1220.4	1220.4	1212.4	1214.7	1212.4	1215.8	1206.7	1197.7	1194.3	1190.9	1188.6
10°	1241.9	1239.6	1236.2	1246.4	1238.5	1234.0	1229.4	1223.8	1211.3	1206.7	1202.2
12.5°	1273.7	1272.5	1268.0	1278.2	1273.7	1278.2	1261.2	1246.4	1244.2	1229.4	1237.4
15°	1311.1	1321.3	1313.4	1313.4	1311.1	1305.4	1298.6	1291.8	1271.4	1265.7	1266.9
17.5°	1359.9	1356.5	1357.6	1357.6	1368.9	1354.2	1340.6	1323.6	1313.4	1310.0	1298.6
20°	1406.4	1410.9	1409.8	1417.7	1424.5	1408.6	1393.9	1391.6	1363.3	1367.8	1351.9
22.5°	1488.0	1484.6	1490.3	1496.0	1491.4	1489.1	1475.5	1458.5	1433.6	1422.2	1420.0
25°	1574.2	1568.5	1558.3	1571.9	1578.7	1589.0	1562.9	1553.8	1515.2	1498.2	1499.4
27.5°	1647.9	1655.9	1667.2	1672.9	1689.9	1686.5	1668.3	1638.9	1609.4	1590.1	1577.6
30°	1748.9	1753.4	1772.7	1780.6	1810.1	1818.1	1789.7	1755.7	1703.5	1678.6	1663.8
32.5°	1841.9	1873.6	1872.5	1912.2	1959.8	1992.7	1941.7	1889.5	1837.3	1807.8	1781.8
35°	1992.7	1987.0	2019.9	2061.9	2139.0	2176.4	2120.9	2060.8	1981.4	1933.7	1913.3
37.5°	2133.4	2135.6	2179.9	2246.8	2335.2	2393.1	2344.3	2245.6	2164.0	2102.7	2074.4
40°	2337.5	2342.0	2387.4	2463.4	2563.2	2625.6	2568.9	2469.1	2360.2	2312.5	2312.5
42.5°	2576.8	2596.1	2625.6	2691.4	2781.0	2850.1	2799.1	2720.8	2610.8	2549.6	2558.7
45°	2822.9	2832.0	2851.3	2948.8	2990.8	3024.8	2977.2	2940.9	2867.2	2792.3	2779.8
47.5°	3053.2	3056.6	3113.3	3143.9	3176.8	3148.4	3179.0	3131.4	3048.6	2976.0	2961.3
50°	3155.2	3149.6	3230.1	3323.1	3348.0	3298.1	3272.0	3240.3	3114.4	3027.1	2988.5
52.5°	2858.1	2891.0	3040.7	3299.3	3494.3	3536.3	3384.3	3238.0	3003.2	2833.1	2807.0
54°	2517.8	2548.5	2672.1	3055.4	3461.4	3603.2	3358.2	3047.5	2716.3	2514.4	2488.3
55°	2181.0	2147.0	2371.5	2762.8	3307.2	3544.2	3255.0	2801.4	2422.6	2237.7	2201.4
57.5°	1180.7	1186.3	1375.7	1745.5	2323.9	2717.4	2399.9	1895.2	1431.3	1223.8	1205.6
60°	374.3	383.3	466.1	705.4	1110.3	1325.8	1136.4	761.0	526.2	421.9	404.9
62.5°	116.8	121.4	132.7	197.3	304.0	434.4	340.2	204.1	152.0	139.5	141.8
65°	71.5	71.5	72.6	77.1	90.7	105.5	102.1	89.6	86.2	83.9	82.8
67.5°	46.5	45.4	47.6	51.0	53.3	54.4	57.8	61.2	60.1	57.8	57.8
70°	28.4	27.2	29.5	34.0	35.2	37.4	40.8	45.4	44.2	42.0	43.1
72.5°	15.9	15.9	17.0	20.4	23.8	26.1	29.5	32.9	34.0	32.9	32.9
75°	5.7	6.8	9.1	12.5	14.7	18.1	21.5	25.0	28.4	26.1	25.0
77.5°	2.3	2.3	4.5	7.9	11.3	14.7	20.4	23.8	26.1	23.8	21.5
80°	1.1	1.1	3.4	6.8	10.2	13.6	17.0	20.4	21.5	19.3	17.0
82.5°	1.1	1.1	3.4	6.8	10.2	12.5	18.1	20.4	22.7	20.4	17.0
85°	0.0	1.1	3.4	6.8	9.1	10.2	10.2	6.8	5.7	3.4	3.4
87.5°	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)