

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: P527237

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
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-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5436 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

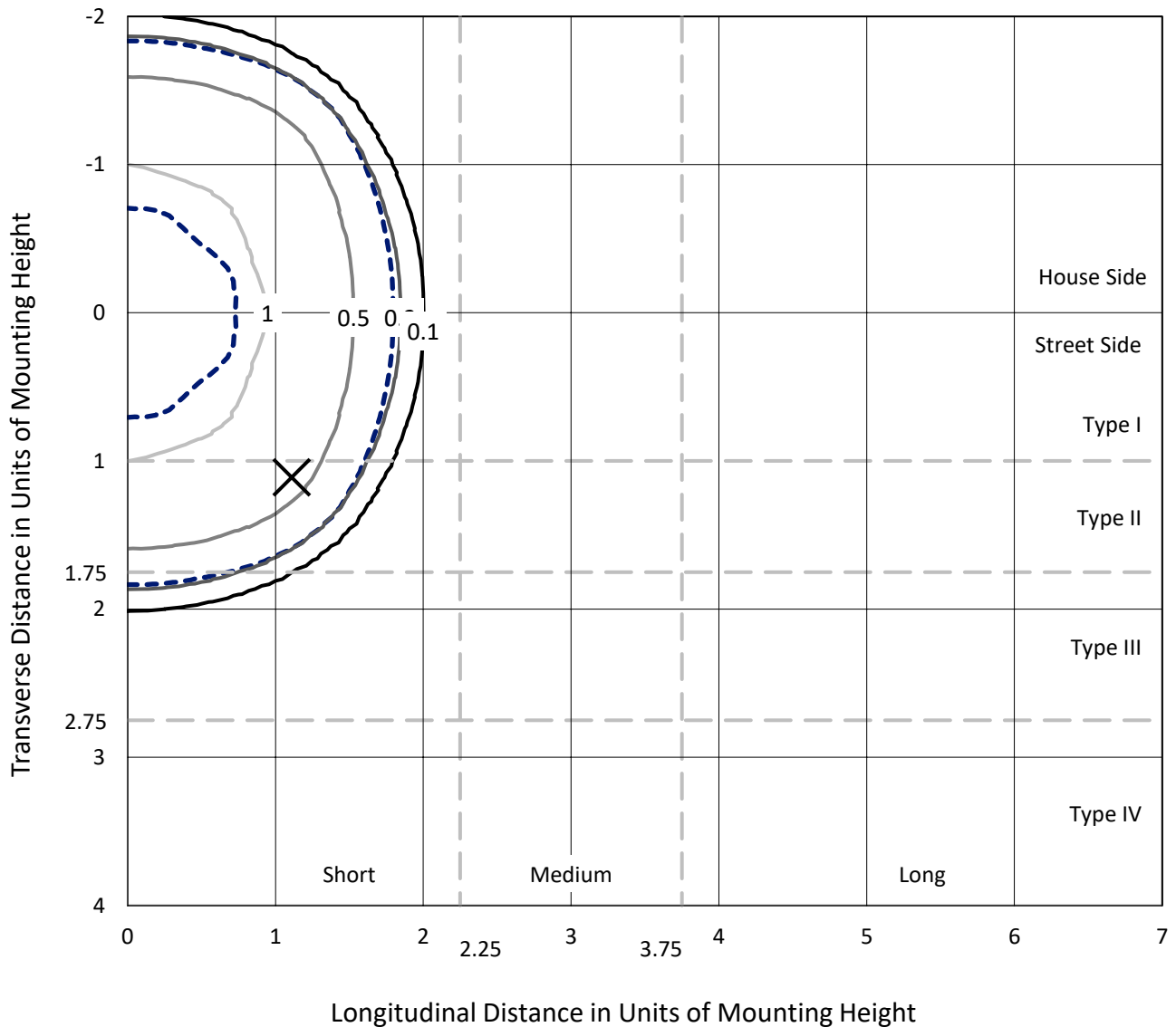
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

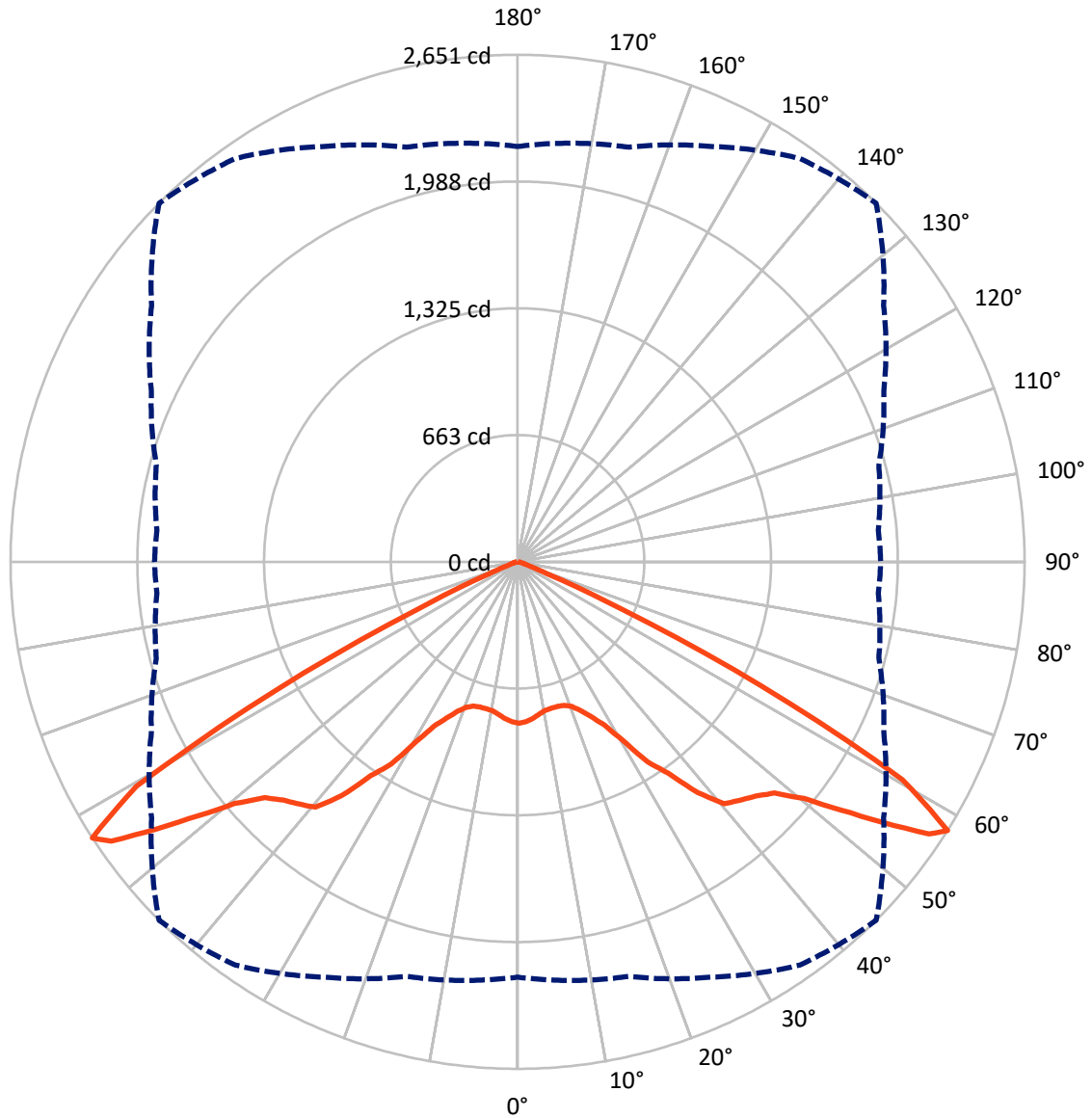
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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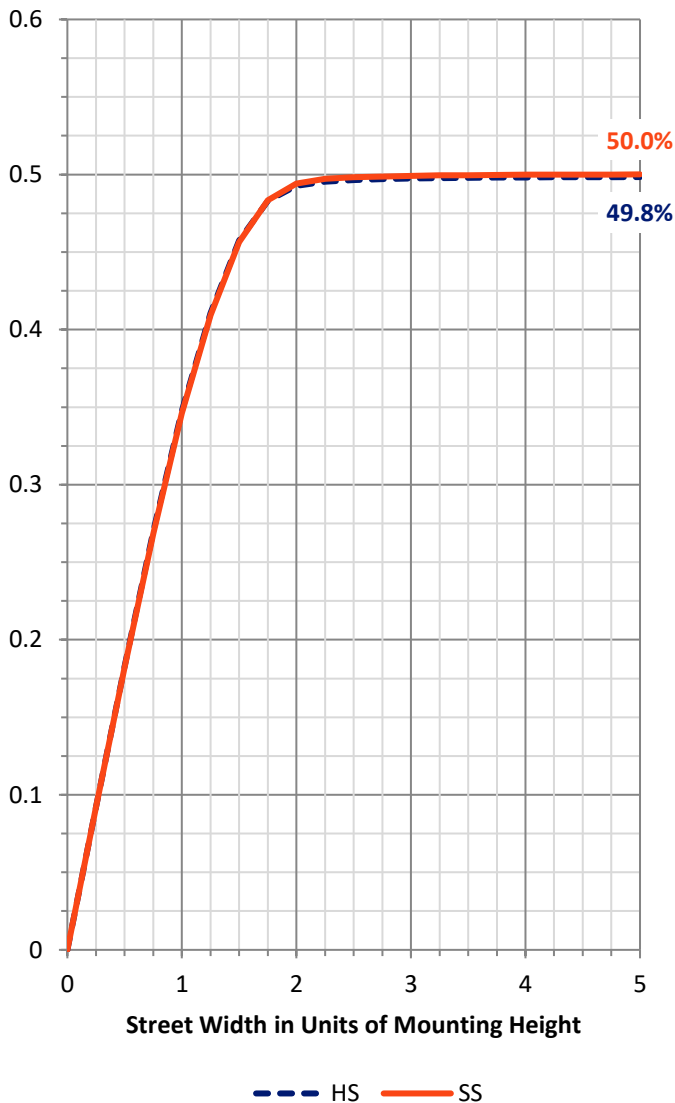
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2718.0	0.0	2718.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2718.0	0.0	2718.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5436.0	0.0	5436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.4
10°-20°	224.0	4.1
20°-30°	413.4	7.6
30°-40°	813.0	15.0
40°-50°	1324.2	24.4
50°-60°	1888.5	34.7
60°-70°	653.8	12.0
70°-80°	35.1	0.6
80°-90°	6.6	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°	5436.0	100.0
0°-180°	5436.0	100.0

Coefficient of Utilization

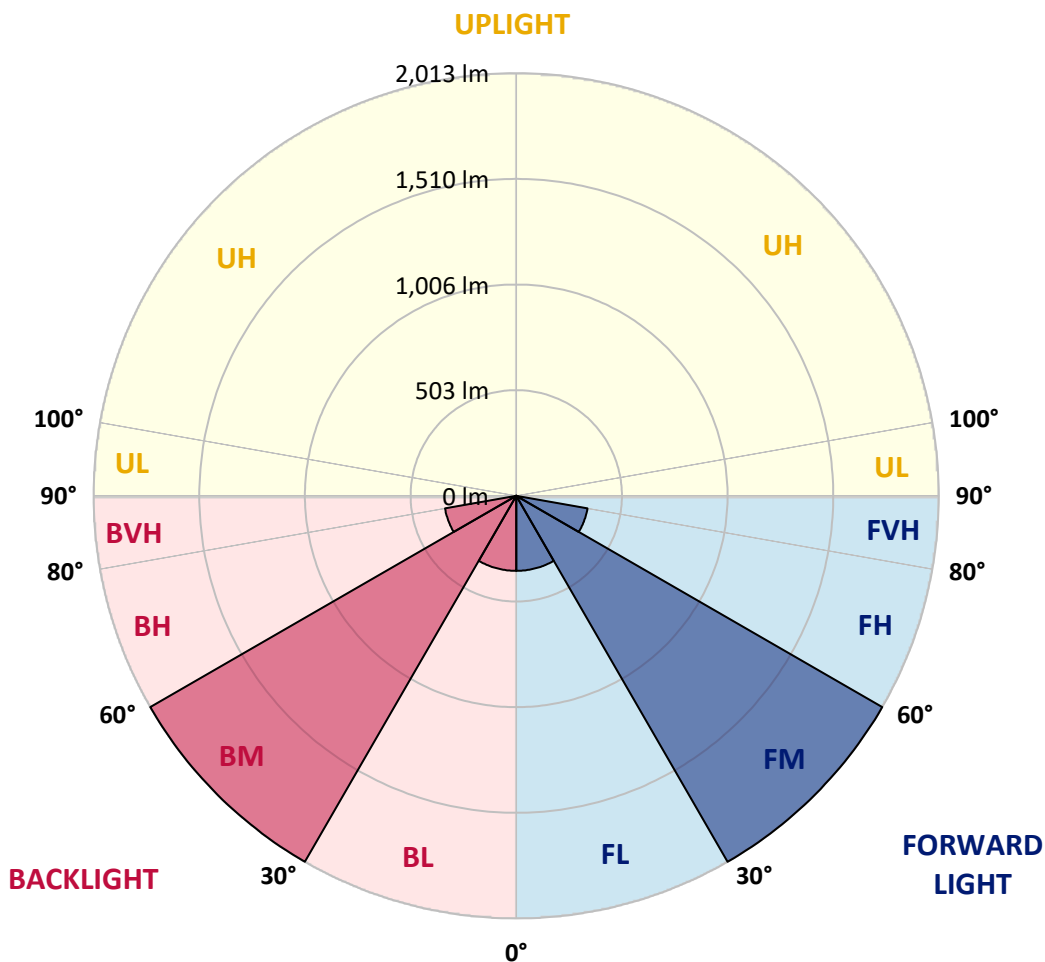


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.4	6.6			
FM (30°-60°)	2012.8	37.0			
FH (60°-80°)	344.4	6.3			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	357.4	6.6	B1/500		
BM (30°-60°)	2012.8	37.0	B2/2500		
BH (60°-80°)	344.4	6.3	B1/500		G0/660
BVH (80°-90°)	3.3	0.1			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°	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2
2.5°	840.9	845.4	839.8	837.5	836.4	836.4	833.0	833.0	831.8	833.0	828.4
5°	827.3	831.8	831.8	830.7	823.9	822.8	819.4	817.1	818.2	813.7	817.1
7.5°	813.7	817.1	812.6	811.4	809.2	804.6	803.5	793.3	794.4	794.4	796.7
10°	811.4	810.3	803.5	797.8	791.0	789.9	786.5	784.2	784.2	783.1	786.5
12.5°	811.4	805.8	804.6	792.2	780.8	785.4	776.3	770.6	778.6	780.8	785.4
15°	810.3	816.0	796.7	791.0	783.1	784.2	776.3	770.6	775.2	777.4	780.8
17.5°	817.1	813.7	808.0	796.7	793.3	788.8	778.6	774.0	774.0	779.7	780.8
20°	835.2	826.2	814.8	809.2	812.6	806.9	794.4	777.4	782.0	786.5	789.9
22.5°	852.2	845.4	837.5	834.1	853.4	844.3	822.8	803.5	796.7	804.6	810.3
25°	885.1	885.1	870.4	874.9	896.4	897.6	872.6	838.6	834.1	837.5	839.8
27.5°	952.0	955.4	942.9	947.4	956.5	964.4	942.9	914.6	904.4	903.2	906.6
30°	1024.5	1031.3	1030.2	1049.4	1075.5	1080.0	1048.3	1001.8	971.2	965.6	970.1
32.5°	1119.7	1123.1	1120.8	1143.5	1213.8	1246.6	1163.9	1098.2	1057.4	1067.6	1057.4
35°	1298.8	1295.4	1270.4	1275.0	1332.8	1356.6	1277.2	1235.3	1216.0	1236.4	1231.9
37.5°	1452.9	1440.4	1420.0	1449.5	1509.6	1531.1	1448.4	1374.7	1339.6	1373.6	1388.3
40°	1583.2	1551.5	1523.2	1552.6	1633.1	1662.6	1541.3	1481.2	1467.6	1492.6	1524.3
42.5°	1693.2	1672.8	1635.4	1637.6	1690.9	1704.5	1607.0	1571.9	1558.3	1598.0	1613.8
45°	1771.4	1752.1	1717.0	1714.7	1755.5	1746.4	1659.2	1635.4	1643.3	1669.4	1677.3
47.5°	1811.0	1821.2	1800.8	1806.5	1828.0	1806.5	1737.4	1737.4	1719.2	1735.1	1727.2
50°	1925.5	1893.8	1919.8	1919.8	1942.5	1944.8	1875.6	1850.7	1802.0	1774.8	1774.8
52.5°	2059.2	2061.5	2071.7	2109.1	2147.6	2180.5	2081.9	1975.4	1893.8	1858.6	1854.1
55°	2169.1	2191.8	2232.6	2302.9	2413.9	2459.3	2289.3	2098.9	1999.2	1944.8	1933.4
56°	2229.2	2207.7	2277.9	2374.3	2519.3	2578.3	2323.3	2123.8	2013.9	1952.7	1951.6
57.5°	2171.4	2195.2	2243.9	2395.8	2573.7	2650.8	2335.7	2112.5	1955.0	1892.6	1898.3
60°	1714.7	1737.4	1803.1	1973.1	2251.9	2311.9	1976.5	1741.9	1601.4	1511.8	1513.0
62.5°	970.1	987.1	1038.1	1195.6	1369.0	1426.8	1231.9	1075.5	978.0	928.2	912.3
65°	357.0	350.2	358.1	438.6	545.1	593.9	512.3	432.9	381.9	363.8	357.0
67.5°	133.7	123.5	115.6	123.5	155.3	164.3	150.7	125.8	117.9	121.3	123.5
70°	82.7	78.2	62.3	58.9	57.8	56.7	60.1	63.5	72.5	85.0	87.3
72.5°	57.8	54.4	44.2	41.9	39.7	38.5	44.2	48.7	56.7	65.7	66.9
75°	22.7	23.8	22.7	24.9	26.1	27.2	31.7	35.1	38.5	38.5	37.4
77.5°	4.5	4.5	6.8	9.1	11.3	14.7	21.5	24.9	26.1	24.9	21.5
80°	0.0	0.0	2.3	4.5	9.1	12.5	19.3	21.5	23.8	21.5	17.0
82.5°	0.0	0.0	2.3	5.7	9.1	11.3	18.1	22.7	26.1	23.8	18.1
85°	0.0	0.0	2.3	4.5	6.8	7.9	7.9	5.7	5.7	3.4	2.3
87.5°	0.0	0.0	0.0	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)