

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: P528177

Luminaire Tested: **GALN-SA3B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9997 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

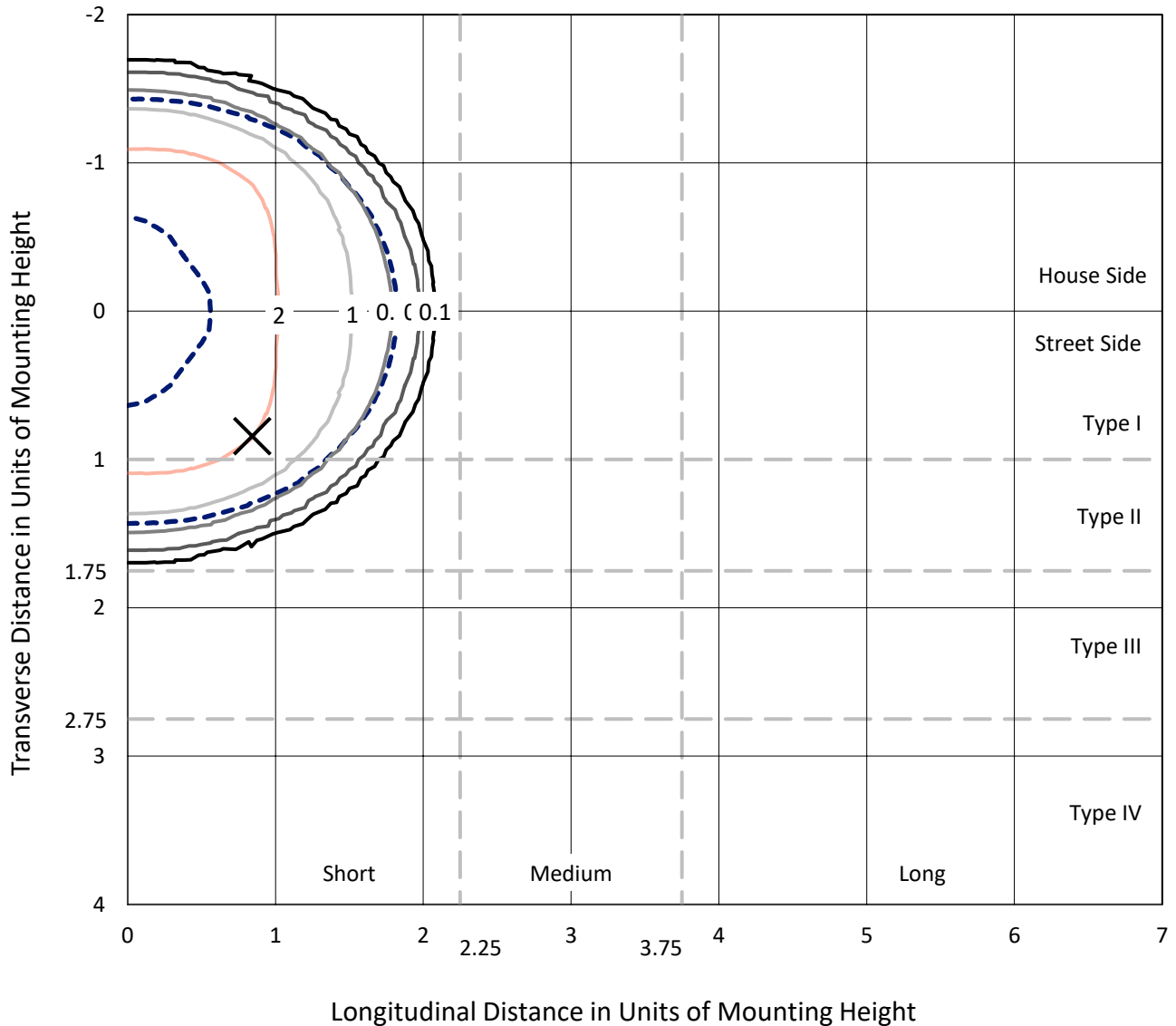
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

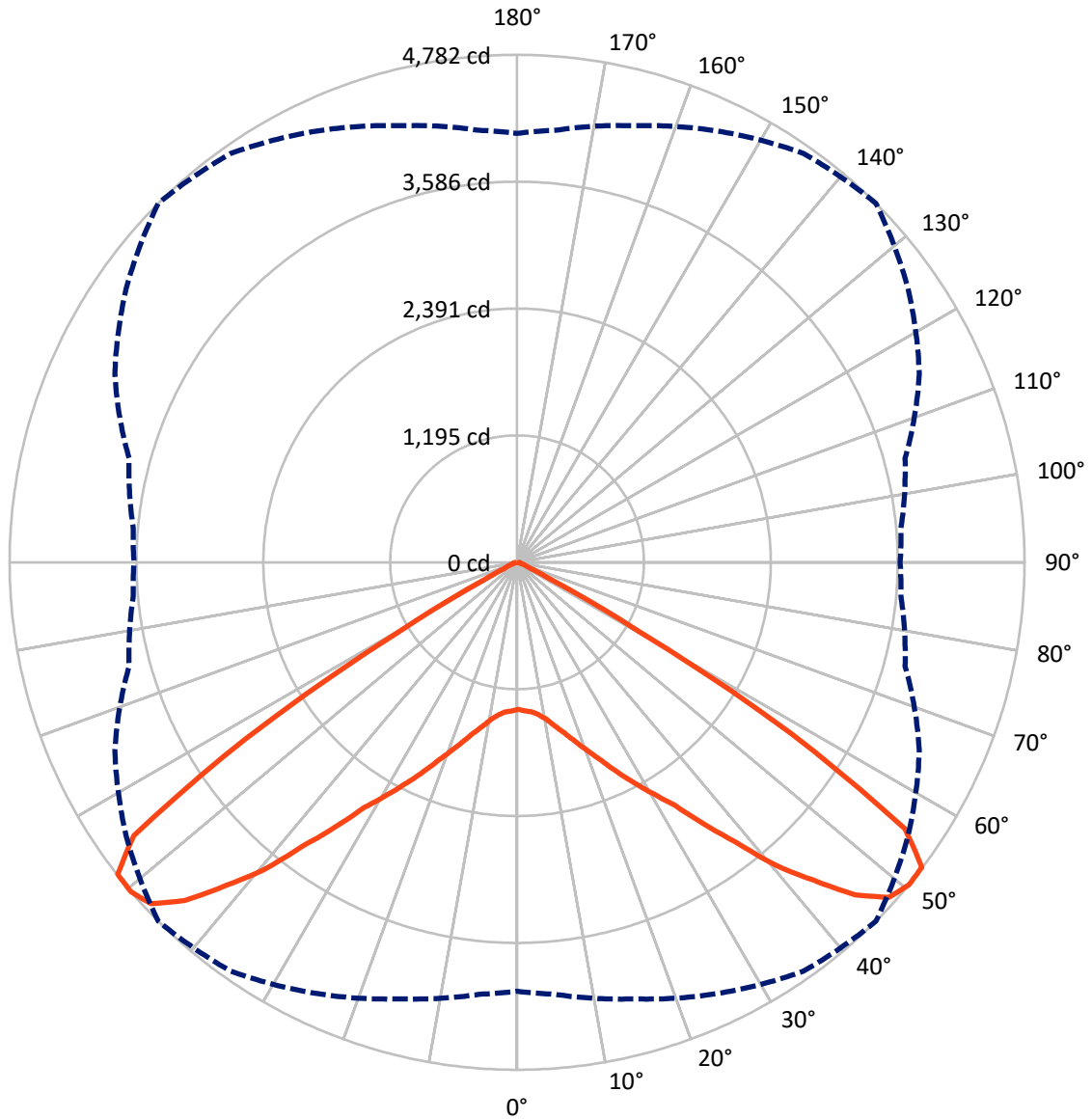
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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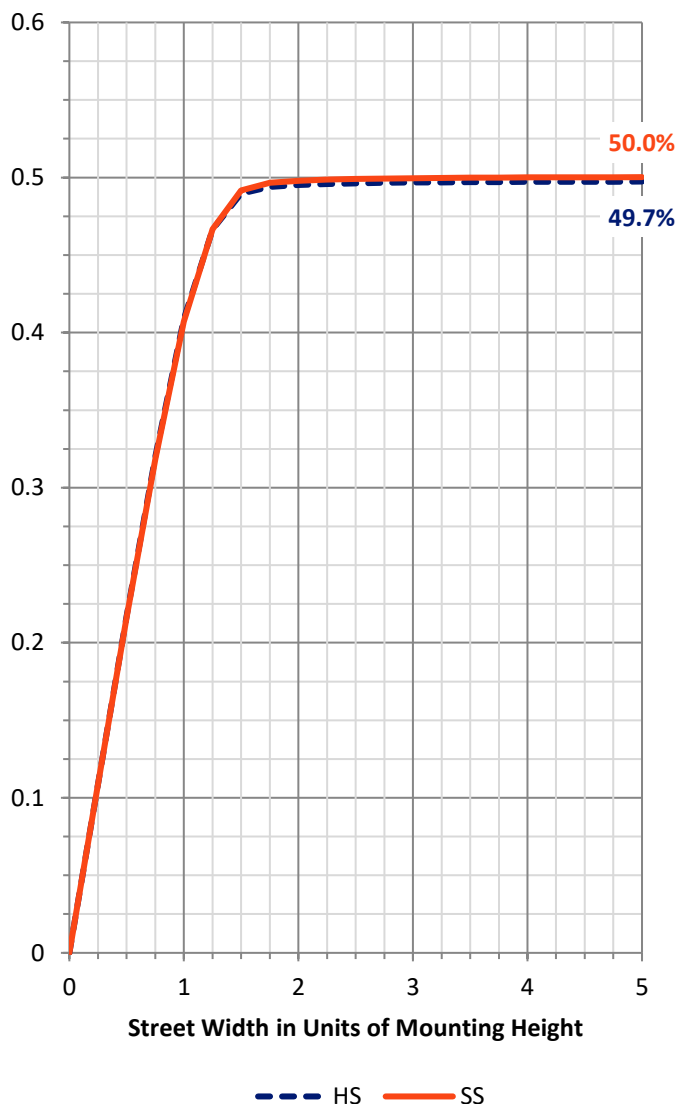
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4998.5	0.0	4998.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4998.5	0.0	4998.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9997.0	0.0	9997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	1.4
10°-20°	475.2	4.8
20°-30°	970.6	9.7
30°-40°	1850.9	18.5
40°-50°	3119.1	31.2
50°-60°	2974.6	29.8
60°-70°	415.2	4.2
70°-80°	39.7	0.4
80°-90°	13.7	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°	9997.0	100.0
0°-180°	9997.0	100.0

Coefficient of Utilization

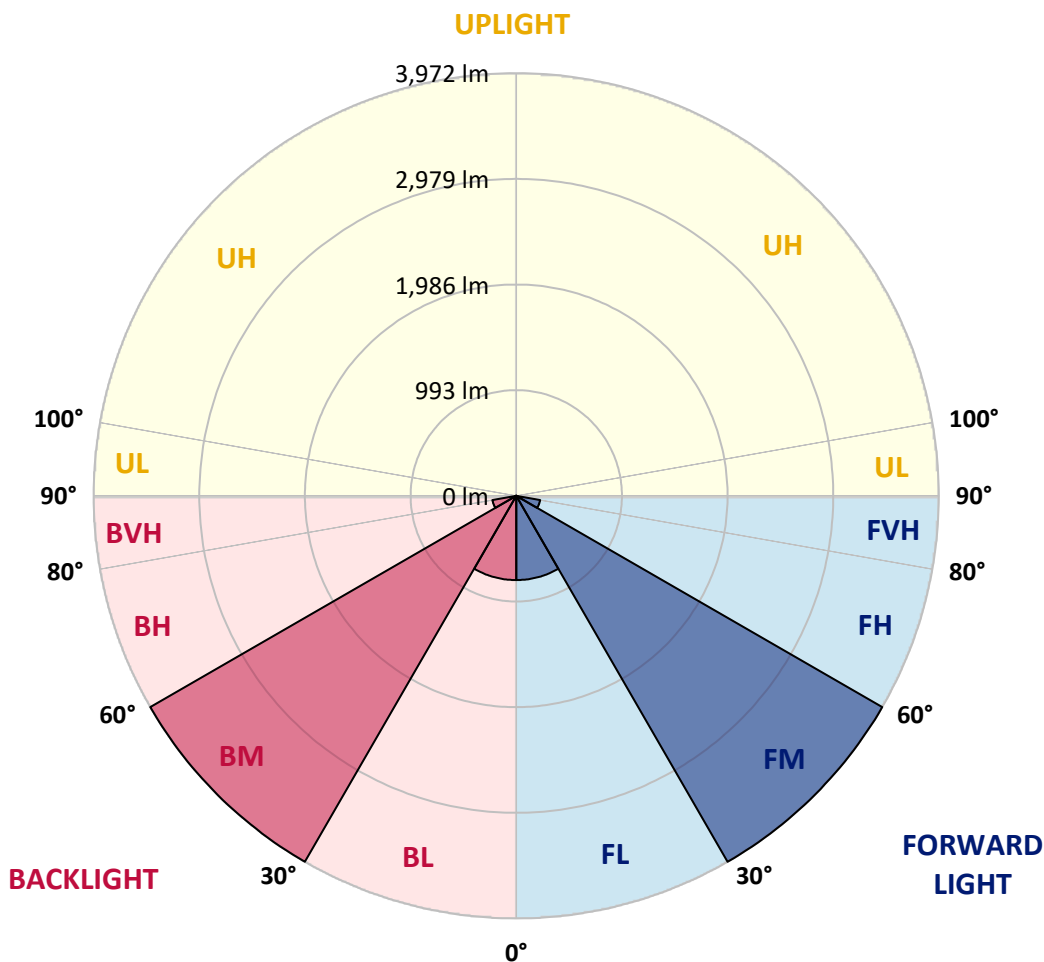


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	791.9	7.9			
FM (30°-60°)	3972.3	39.7			
FH (60°-80°)	227.5	2.3			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	791.9	7.9	B2/1000		
BM (30°-60°)	3972.3	39.7	B3/5000		
BH (60°-80°)	227.5	2.3	B1/500		G0/660
BVH (80°-90°)	6.9	0.1			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°	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0	1386.0
2.5°	1380.9	1380.9	1379.2	1392.7	1386.0	1401.1	1399.4	1404.5	1409.5	1407.8	1421.3
5°	1369.2	1367.5	1367.5	1382.6	1397.7	1414.6	1429.7	1439.8	1456.6	1456.6	1473.4
7.5°	1380.9	1372.5	1384.3	1391.0	1419.6	1448.2	1473.4	1493.6	1532.3	1545.8	1540.7
10°	1384.3	1394.4	1402.8	1423.0	1458.3	1502.0	1523.9	1574.4	1618.1	1648.4	1655.1
12.5°	1406.2	1421.3	1444.8	1493.6	1525.6	1582.8	1613.0	1661.8	1722.4	1756.0	1779.6
15°	1448.2	1453.3	1483.5	1545.8	1614.7	1666.9	1714.0	1749.3	1808.2	1846.8	1848.5
17.5°	1502.0	1523.9	1565.9	1624.8	1697.1	1774.5	1811.5	1850.2	1872.1	1924.2	1936.0
20°	1609.7	1613.0	1653.4	1730.8	1821.6	1892.3	1919.2	1939.4	1930.9	1984.8	1994.9
22.5°	1710.6	1714.0	1764.4	1868.7	1966.3	2026.8	2038.6	2026.8	2001.6	2040.3	2043.6
25°	1813.2	1843.5	1880.5	1984.8	2105.9	2186.6	2188.3	2156.3	2104.2	2110.9	2127.7
27.5°	1973.0	1994.9	2033.5	2129.4	2262.3	2353.1	2338.0	2299.3	2232.0	2237.1	2232.0
30°	2159.7	2179.9	2211.8	2334.6	2432.2	2531.4	2553.3	2516.3	2415.4	2393.5	2418.7
32.5°	2385.1	2413.7	2472.6	2585.2	2667.7	2728.2	2743.4	2729.9	2635.7	2627.3	2644.1
35°	2659.3	2697.9	2751.8	2851.0	2918.3	3027.6	3027.6	2982.2	2896.4	2906.5	2904.8
37.5°	2948.6	3005.7	3089.8	3190.8	3281.6	3340.5	3322.0	3283.3	3197.5	3175.6	3197.5
40°	3311.9	3340.5	3446.4	3577.6	3688.6	3755.9	3676.9	3592.8	3387.6	3419.5	3478.4
42.5°	3643.2	3688.6	3769.4	3914.0	4040.2	4095.7	4001.5	3835.0	3587.7	3562.5	3606.2
45°	3925.8	3974.6	4080.5	4287.4	4420.3	4469.1	4260.5	3991.4	3708.8	3644.9	3663.4
47.5°	4114.2	4139.4	4287.4	4484.2	4605.3	4716.3	4417.0	4099.1	3766.0	3644.9	3638.2
50°	4041.9	4085.6	4258.8	4482.5	4702.9	4781.9	4496.0	4181.5	3784.5	3629.8	3609.6
52.5°	3589.4	3665.1	3858.5	4159.6	4492.6	4775.2	4605.3	4154.6	3777.8	3644.9	3675.2
55°	2497.8	2499.5	2734.9	3179.0	3767.7	4433.8	4445.5	4184.8	3821.5	3739.1	3740.8
57.5°	1004.2	1054.6	1234.6	1680.3	2223.6	3044.4	3619.7	3882.1	3826.6	3806.4	3858.5
60°	254.0	255.7	311.2	474.3	782.1	1305.2	1895.6	2565.1	2953.6	3086.5	3105.0
62.5°	129.5	131.2	144.7	168.2	213.6	349.9	622.3	987.3	1404.5	1616.4	1671.9
65°	106.0	106.0	114.4	126.2	127.8	134.6	161.5	230.4	334.7	380.1	385.2
67.5°	80.7	80.7	87.5	94.2	97.6	95.9	92.5	95.9	116.1	111.0	107.6
70°	50.5	52.1	55.5	62.2	65.6	67.3	69.0	72.3	82.4	85.8	82.4
72.5°	30.3	30.3	32.0	37.0	42.1	45.4	50.5	53.8	58.9	67.3	65.6
75°	13.5	13.5	16.8	21.9	26.9	32.0	37.0	42.1	45.4	50.5	52.1
77.5°	3.4	5.0	8.4	15.1	20.2	26.9	33.6	38.7	42.1	42.1	40.4
80°	1.7	1.7	6.7	11.8	21.9	28.6	37.0	40.4	45.4	42.1	37.0
82.5°	1.7	1.7	6.7	11.8	20.2	28.6	38.7	43.7	47.1	42.1	35.3
85°	0.0	1.7	5.0	10.1	16.8	20.2	16.8	11.8	6.7	6.7	5.0
87.5°	0.0	0.0	1.7	1.7	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)