

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: P528169

Luminaire Tested: **GALN-SA3B-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9284 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

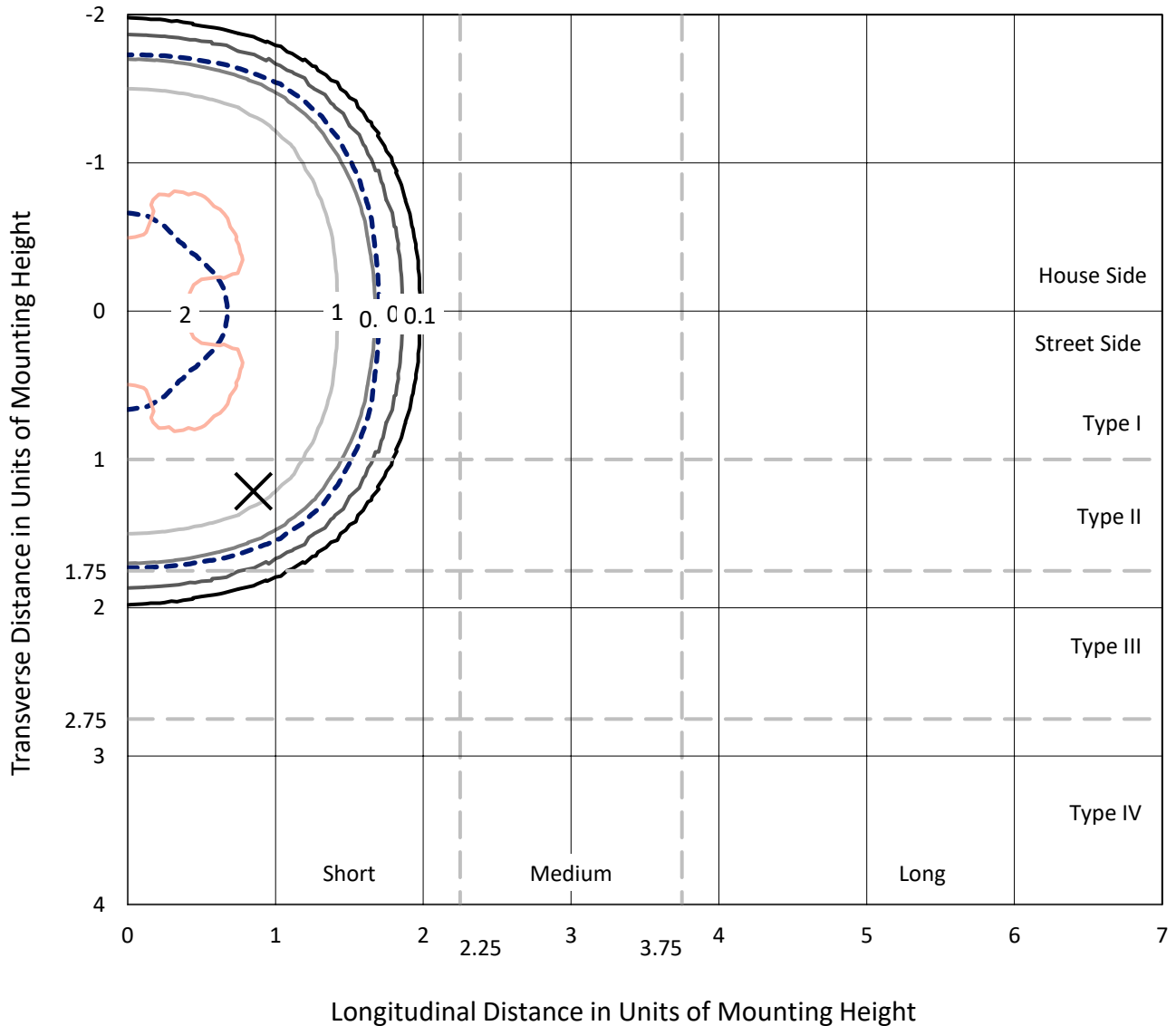
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

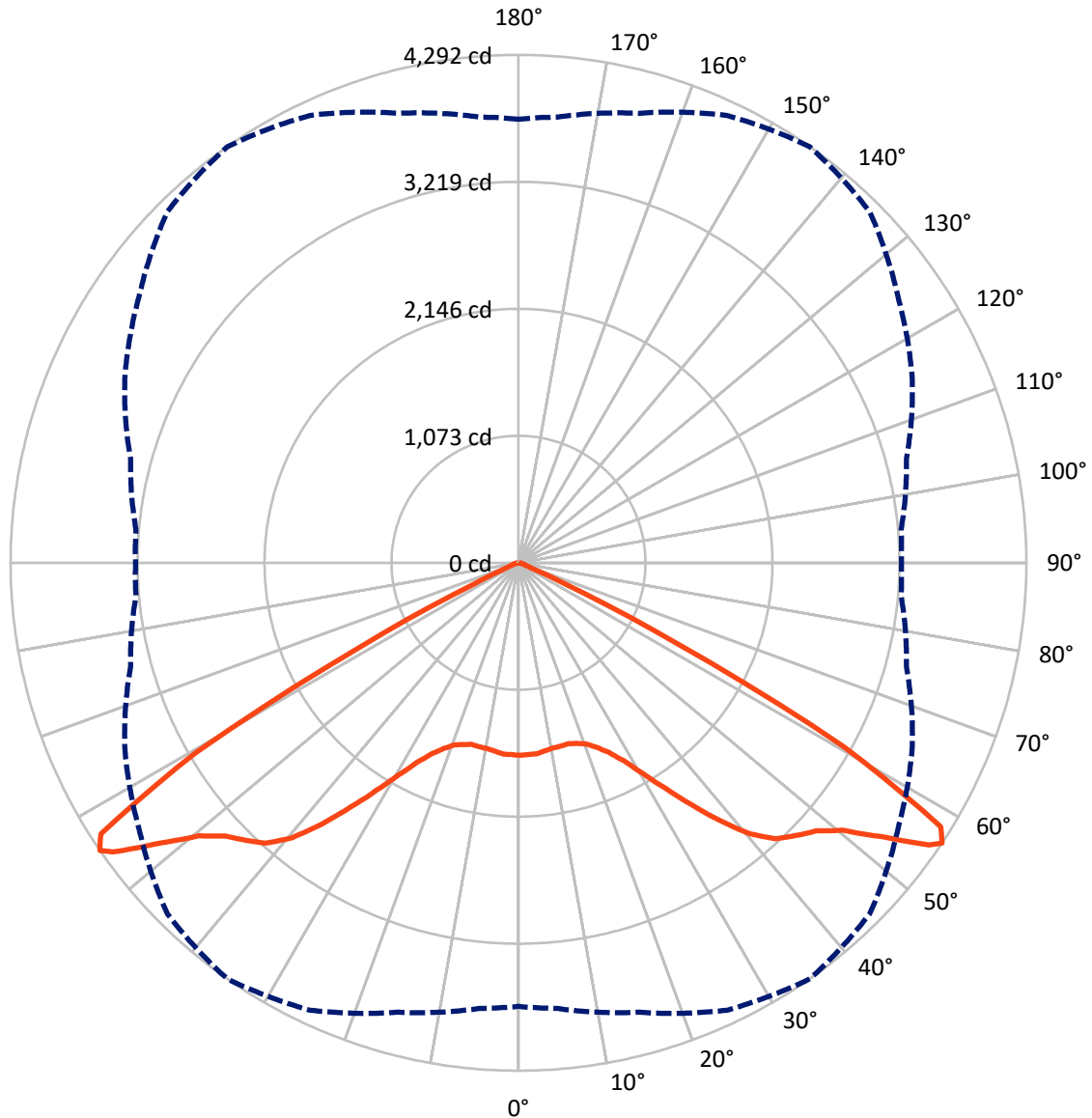
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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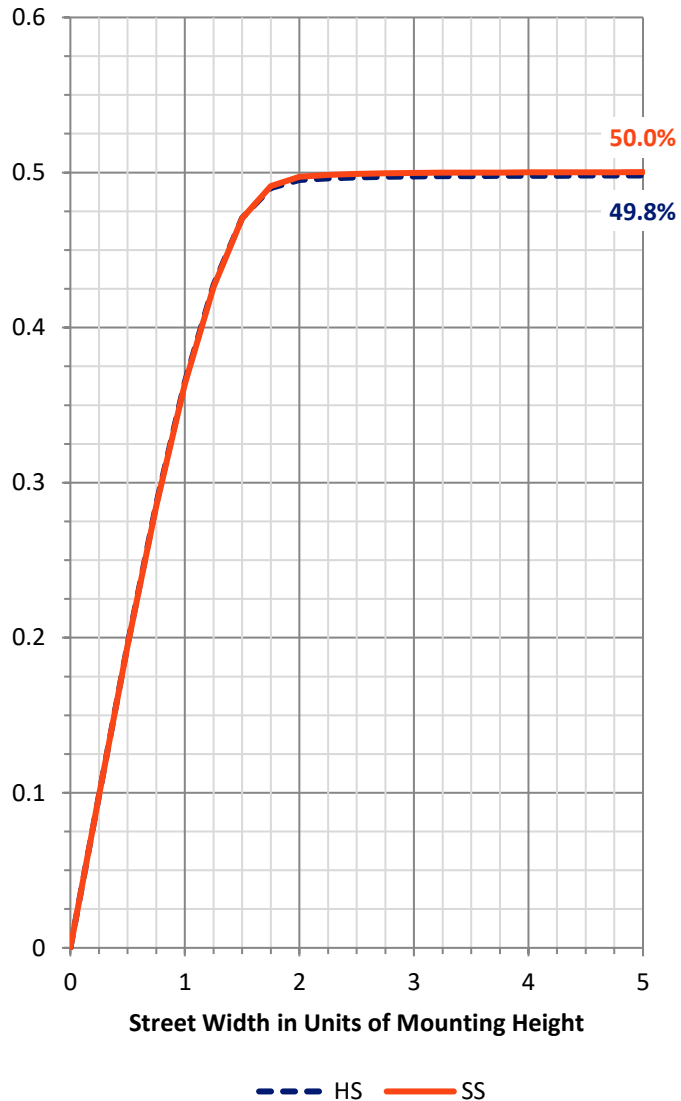
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4642.0	0.0	4642.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4642.0	0.0	4642.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9284.0	0.0	9284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	1.6
10°-20°	446.4	4.8
20°-30°	808.3	8.7
30°-40°	1498.9	16.1
40°-50°	2460.3	26.5
50°-60°	3169.6	34.1
60°-70°	698.5	7.5
70°-80°	40.5	0.4
80°-90°	8.5	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°	9284.0	100.0
0°-180°	9284.0	100.0

Coefficient of Utilization

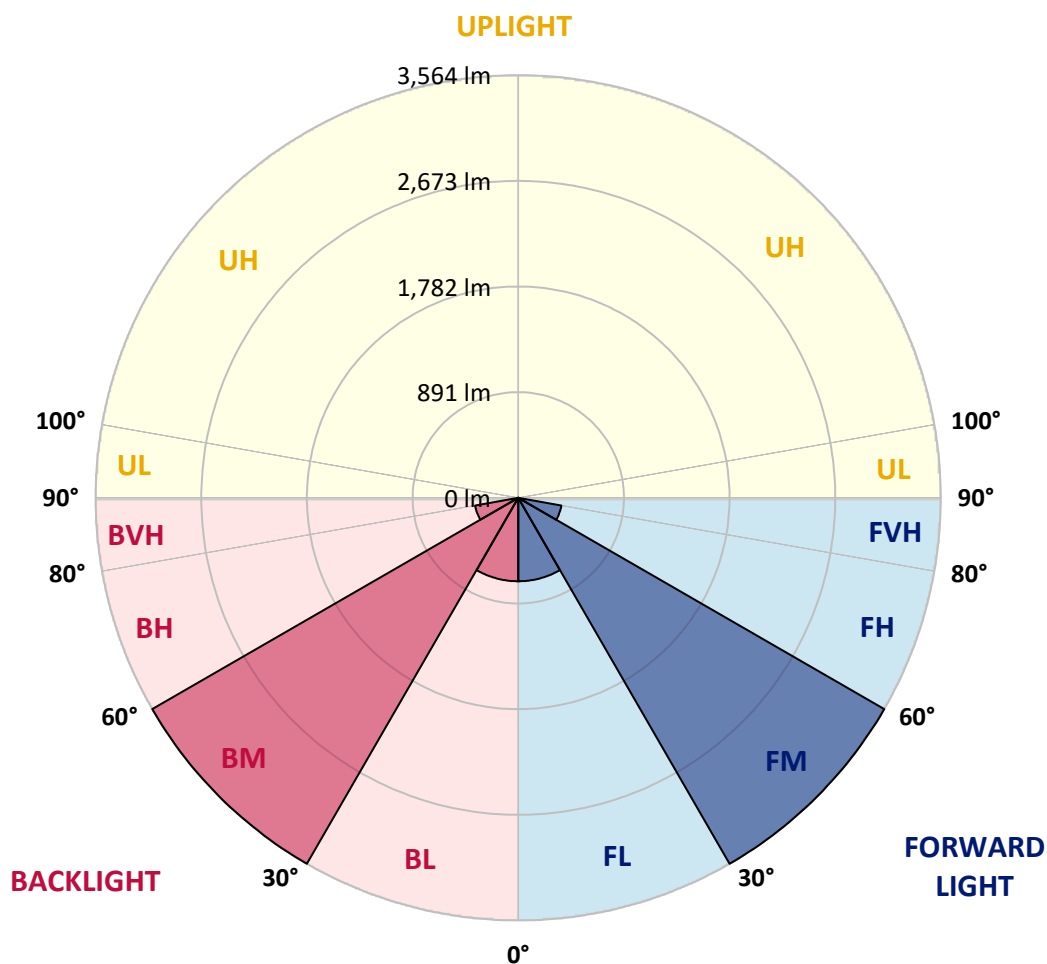


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	703.8	7.6			
FM (30°-60°)	3564.4	38.4			
FH (60°-80°)	369.5	4.0			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	703.8	7.6	B2/1000		
BM (30°-60°)	3564.4	38.4	B3/5000		
BH (60°-80°)	369.5	4.0	B1/500		G0/660
BVH (80°-90°)	4.3	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°	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8
2.5°	1630.1	1630.1	1631.8	1633.5	1621.7	1616.7	1618.3	1615.0	1613.3	1618.3	1618.3
5°	1625.1	1625.1	1620.0	1621.7	1621.7	1606.6	1606.6	1609.9	1609.9	1599.8	1596.5
7.5°	1611.6	1608.3	1601.5	1609.9	1604.9	1604.9	1593.1	1584.7	1581.3	1588.1	1581.3
10°	1583.0	1584.7	1591.4	1594.8	1591.4	1601.5	1581.3	1569.6	1557.8	1552.7	1552.7
12.5°	1569.6	1579.7	1569.6	1578.0	1589.7	1581.3	1569.6	1561.1	1544.3	1537.6	1537.6
15°	1567.9	1574.6	1578.0	1589.7	1584.7	1588.1	1564.5	1554.4	1529.2	1517.4	1512.4
17.5°	1566.2	1574.6	1579.7	1601.5	1604.9	1606.6	1588.1	1557.8	1535.9	1524.1	1512.4
20°	1584.7	1588.1	1598.2	1620.0	1633.5	1657.0	1623.4	1591.4	1544.3	1530.9	1525.8
22.5°	1608.3	1625.1	1635.2	1658.7	1694.0	1714.2	1670.5	1630.1	1581.3	1564.5	1544.3
25°	1684.0	1680.6	1697.4	1746.2	1774.8	1789.9	1754.6	1695.7	1631.8	1611.6	1615.0
27.5°	1778.2	1781.5	1796.7	1850.5	1892.6	1916.1	1874.1	1796.7	1734.4	1700.8	1697.4
30°	1901.0	1897.6	1914.4	1986.8	2062.5	2097.8	2023.8	1932.9	1872.4	1828.6	1838.7
32.5°	2030.5	2032.2	2079.3	2144.9	2267.7	2336.7	2217.2	2106.2	2015.4	1985.1	1969.9
35°	2222.3	2230.7	2267.7	2368.6	2504.9	2594.1	2462.8	2329.9	2225.6	2170.1	2176.9
37.5°	2459.5	2451.1	2513.3	2622.7	2765.7	2831.3	2720.2	2568.8	2462.8	2425.8	2449.4
40°	2711.8	2720.2	2752.2	2851.5	3011.3	3055.0	2890.1	2807.7	2715.2	2696.7	2725.3
42.5°	2964.2	2959.1	2982.7	3071.8	3187.9	3157.6	3060.1	3011.3	2945.7	2908.6	2947.3
45°	3149.2	3140.8	3184.5	3245.1	3287.2	3230.0	3186.2	3169.4	3135.8	3095.4	3130.7
47.5°	3329.2	3322.5	3364.5	3381.4	3384.7	3309.0	3317.4	3347.7	3263.6	3179.5	3219.9
50°	3482.3	3470.5	3522.7	3559.7	3551.3	3430.2	3460.4	3430.2	3298.9	3199.7	3184.5
52.5°	3738.0	3743.1	3798.6	3865.9	3845.7	3744.7	3701.0	3563.1	3394.8	3305.7	3253.5
55°	3899.5	3874.3	3970.2	4183.8	4207.4	4103.1	3909.6	3706.0	3453.7	3344.4	3330.9
56°	3748.1	3780.1	3931.5	4170.4	4291.5	4195.6	3914.6	3670.7	3393.1	3245.1	3235.0
57.5°	3362.9	3346.0	3551.3	3877.6	4207.4	4167.0	3776.7	3418.4	3095.4	2928.8	2908.6
60°	2092.7	2141.5	2321.5	2725.3	3166.0	3186.2	2799.3	2491.4	2114.6	1966.6	2001.9
62.5°	819.3	777.2	889.9	1191.0	1493.9	1561.1	1414.8	1175.9	965.6	819.3	809.2
65°	190.1	185.0	208.6	287.7	402.1	466.0	442.4	317.9	233.8	222.1	205.2
67.5°	107.7	107.7	102.6	102.6	112.7	119.4	114.4	112.7	117.8	122.8	121.1
70°	75.7	74.0	70.7	72.3	69.0	69.0	74.0	82.4	89.2	89.2	90.8
72.5°	45.4	45.4	45.4	50.5	50.5	50.5	55.5	62.2	63.9	62.2	60.6
75°	20.2	20.2	23.6	28.6	32.0	33.6	38.7	42.1	45.4	42.1	38.7
77.5°	5.0	5.0	8.4	11.8	15.1	18.5	25.2	30.3	32.0	30.3	25.2
80°	1.7	1.7	3.4	8.4	15.1	18.5	25.2	26.9	28.6	25.2	20.2
82.5°	1.7	1.7	3.4	8.4	11.8	15.1	20.2	23.6	25.2	21.9	20.2
85°	0.0	1.7	3.4	6.7	10.1	13.5	13.5	10.1	8.4	5.0	6.7
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)