

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: P452541

Luminaire Tested: **GALN-SA3C-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20004 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

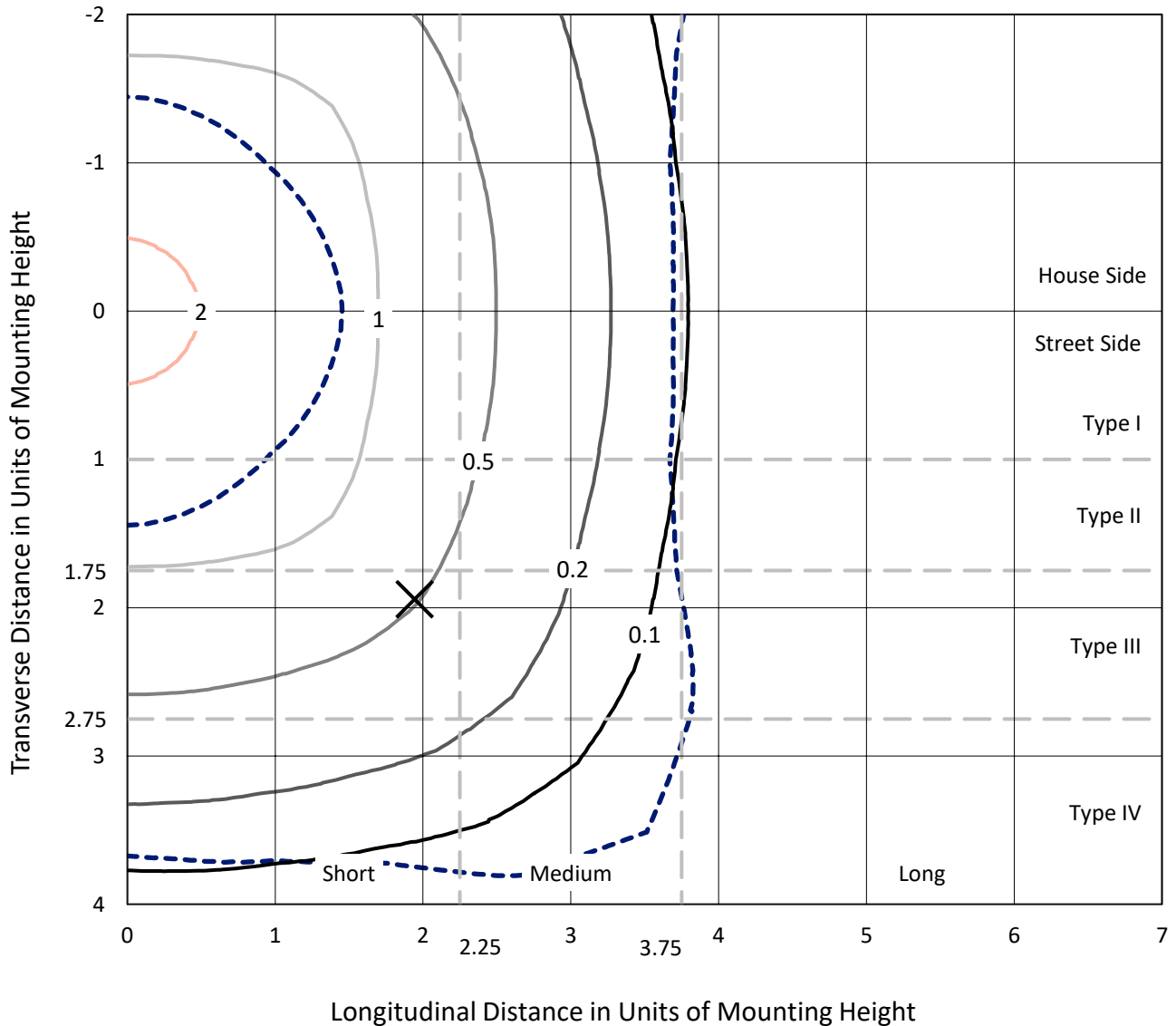
Input Watts (W): 160
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

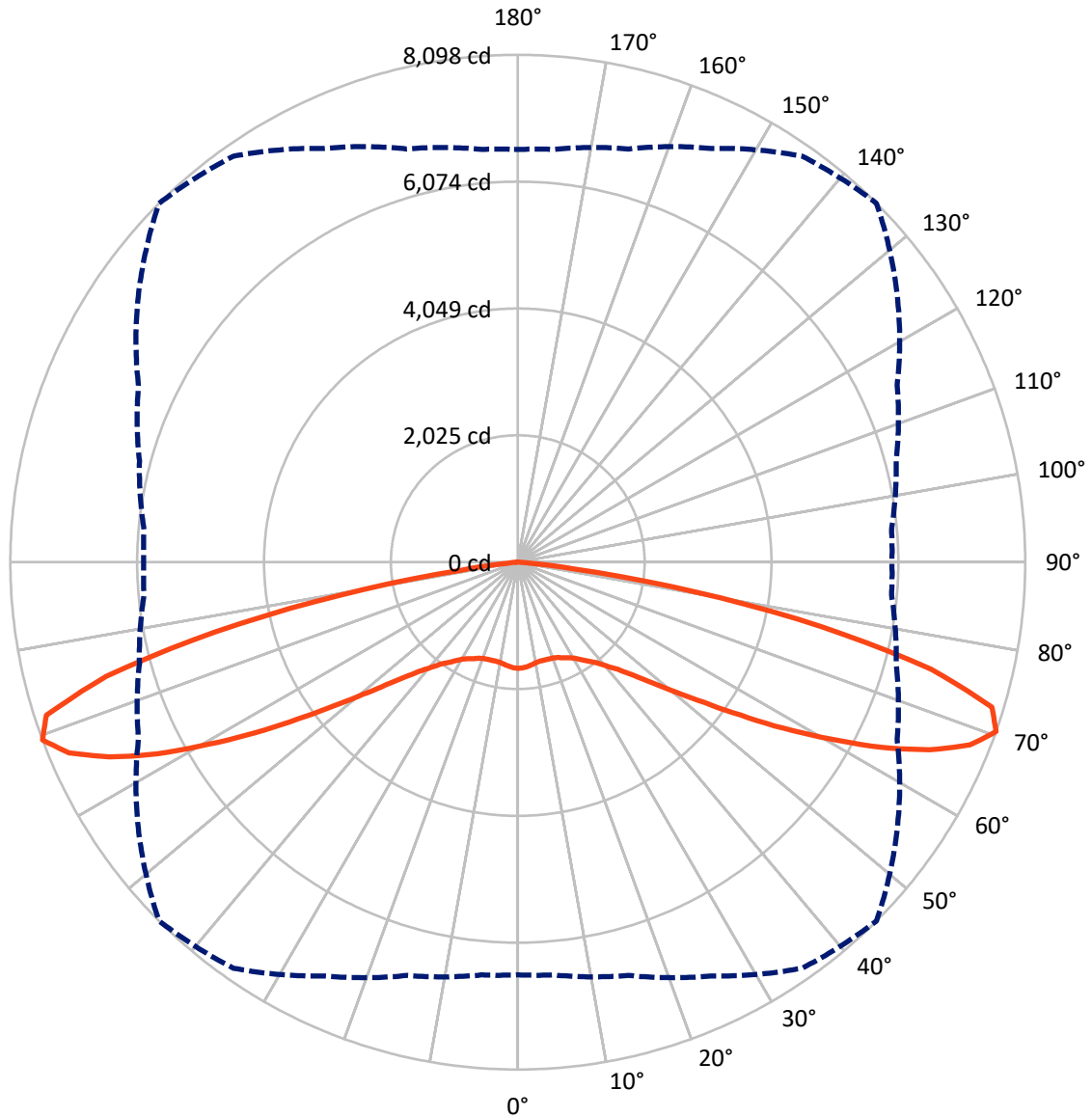
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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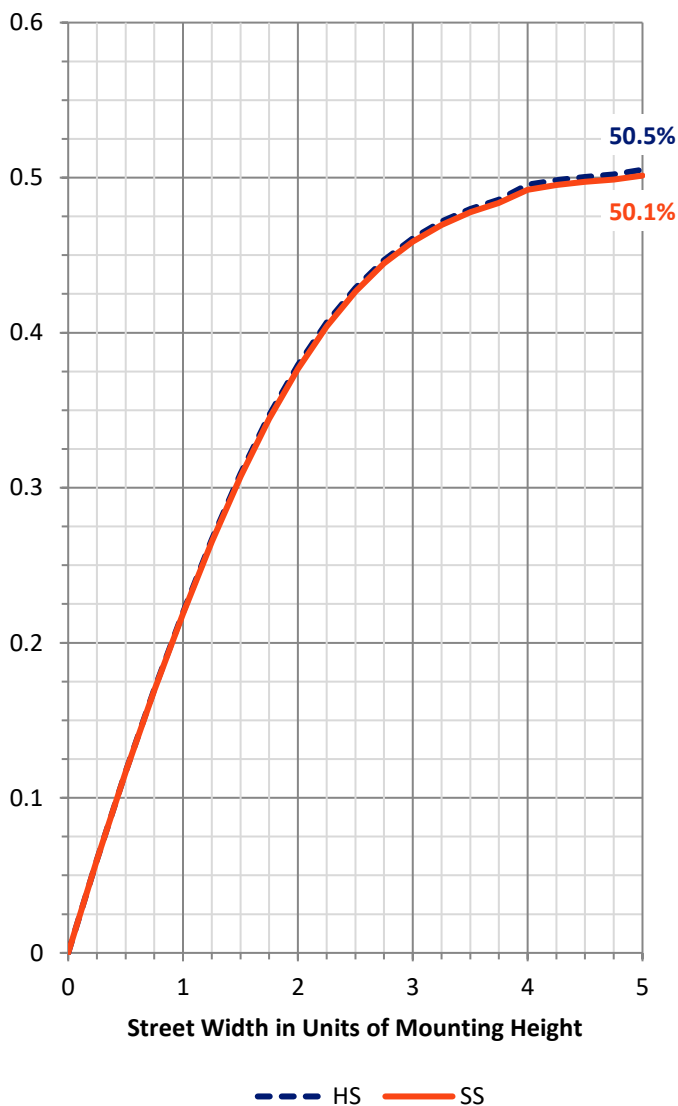
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10002.0	0.0	10002.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10002.0	0.0	10002.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20004.0	0.0	20004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.4	0.8
10°-20°	463.7	2.3
20°-30°	790.0	3.9
30°-40°	1224.5	6.1
40°-50°	2061.0	10.3
50°-60°	3749.8	18.7
60°-70°	6348.4	31.7
70°-80°	4913.9	24.6
80°-90°	294.4	1.5
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°	20004.0	100.0
0°-180°	20004.0	100.0

Coefficient of Utilization



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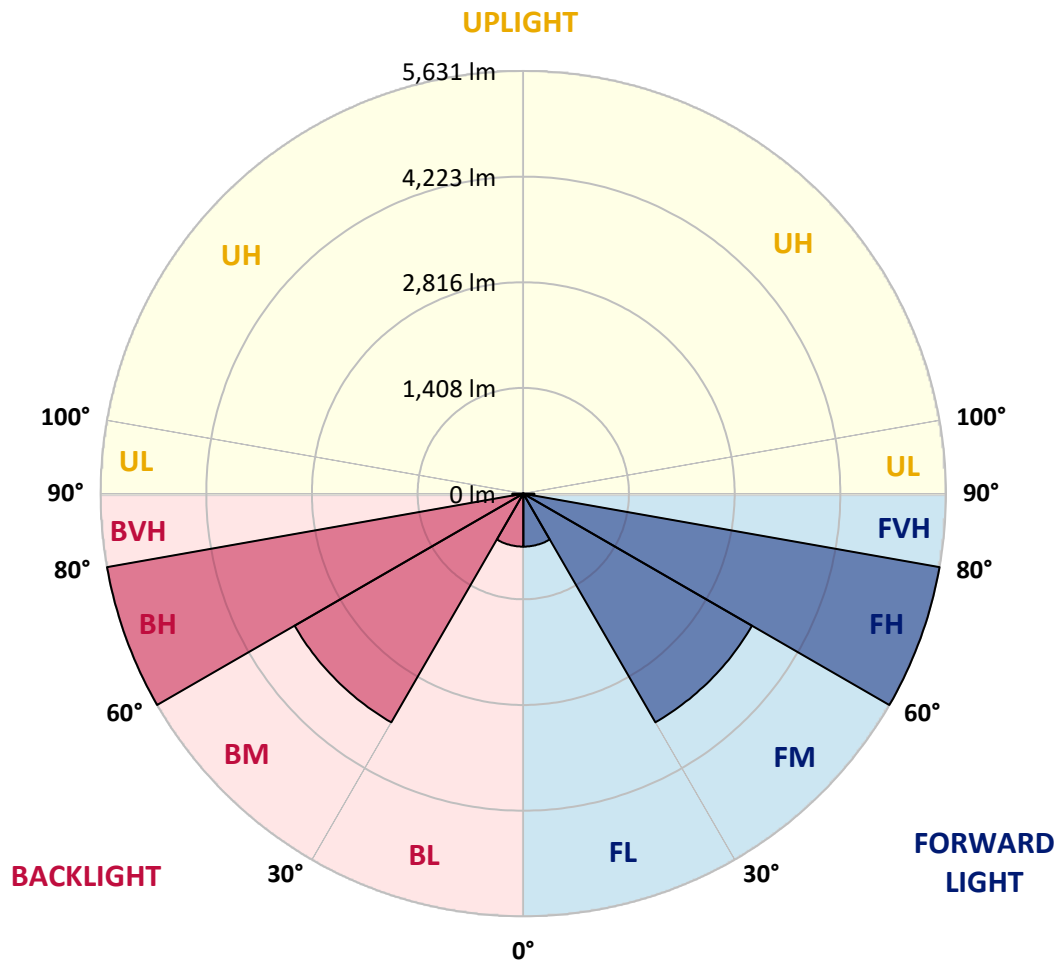
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.0	3.5			
FM (30°-60°)	3517.6	17.6			
FH (60°-80°)	5631.1	28.1			G3/7500
FVH (80°-90°)	147.2	0.7			G2/225
BL (0°-30°)	706.0	3.5	B2/1000		
BM (30°-60°)	3517.6	17.6	B3/5000		
BH (60°-80°)	5631.1	28.1	B5		G3/7500
BVH (80°-90°)	147.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6	1693.6
2.5°	1689.4	1690.4	1690.4	1688.3	1687.2	1687.2	1686.2	1686.2	1689.4	1690.4	1691.5
5°	1674.6	1674.6	1674.6	1673.5	1671.4	1671.4	1669.3	1669.3	1670.3	1673.5	1671.4
7.5°	1654.5	1656.6	1656.6	1652.4	1649.2	1649.2	1648.2	1649.2	1650.3	1653.4	1652.4
10°	1648.2	1649.2	1643.9	1636.5	1631.2	1628.1	1629.1	1631.2	1636.5	1638.6	1639.7
12.5°	1652.4	1652.4	1642.9	1632.3	1622.8	1618.6	1617.5	1624.9	1634.4	1640.8	1642.9
15°	1657.7	1655.5	1643.9	1630.2	1620.7	1619.6	1618.6	1623.9	1637.6	1650.3	1651.3
17.5°	1660.8	1659.8	1645.0	1628.1	1622.8	1622.8	1621.7	1626.0	1640.8	1656.6	1657.7
20°	1671.4	1668.2	1651.3	1633.4	1629.1	1631.2	1628.1	1633.4	1649.2	1668.2	1672.5
22.5°	1692.5	1689.4	1672.5	1654.5	1652.4	1652.4	1651.3	1656.6	1673.5	1693.6	1696.8
25°	1717.9	1714.7	1698.9	1686.2	1688.3	1692.5	1690.4	1691.5	1705.2	1722.1	1727.4
27.5°	1751.7	1746.4	1732.7	1722.1	1728.4	1728.4	1728.4	1727.4	1735.8	1751.7	1757.0
30°	1792.9	1790.8	1776.0	1774.9	1780.2	1774.9	1774.9	1776.0	1777.0	1791.8	1797.1
32.5°	1846.8	1842.6	1835.2	1833.0	1847.8	1852.1	1837.3	1823.5	1830.9	1845.7	1848.9
35°	1935.5	1929.2	1918.6	1907.0	1918.6	1938.7	1907.0	1896.4	1915.5	1935.5	1937.6
37.5°	2056.0	2052.8	2035.9	2014.8	2013.7	2034.8	2002.1	2001.0	2036.9	2061.2	2064.4
40°	2207.0	2210.2	2189.1	2169.0	2158.4	2175.4	2150.0	2159.5	2194.4	2221.8	2219.7
42.5°	2419.4	2407.8	2375.0	2356.0	2344.4	2338.1	2331.7	2346.5	2385.6	2415.2	2438.4
45°	2667.7	2663.5	2622.3	2599.0	2573.7	2564.1	2562.0	2588.4	2636.0	2671.9	2675.1
47.5°	2948.7	2939.2	2912.8	2888.5	2879.0	2867.4	2856.8	2876.9	2924.4	2949.8	2957.2
50°	3238.2	3240.3	3240.3	3236.1	3245.6	3247.7	3219.2	3226.6	3253.0	3250.9	3248.8
52.5°	3568.9	3580.5	3635.4	3640.7	3686.2	3716.8	3665.0	3634.4	3624.9	3567.8	3572.1
55°	3957.7	3968.2	4050.7	4133.1	4255.6	4307.4	4198.6	4103.5	4035.9	3949.2	3953.5
57.5°	4442.6	4447.9	4526.1	4684.6	4879.0	5000.5	4809.2	4621.2	4483.8	4401.4	4368.7
60°	4964.5	4969.8	5083.9	5277.3	5579.4	5727.3	5490.7	5183.2	5010.0	4884.2	4892.7
62.5°	5591.0	5612.2	5714.7	5980.9	6347.5	6513.4	6199.6	5788.6	5554.1	5397.7	5404.0
65°	6261.9	6297.8	6409.8	6702.5	7040.6	7219.1	6834.6	6360.2	6068.6	5877.4	5897.4
67.5°	6697.2	6728.9	6890.6	7213.8	7635.4	7783.3	7286.7	6734.2	6369.7	6141.5	6099.2
70°	6586.3	6612.7	6828.2	7286.7	7911.1	8098.1	7394.5	6679.2	6250.3	5987.2	5970.3
72.5°	5814.0	5759.0	6073.9	6732.1	7596.3	7910.1	7055.4	6100.3	5560.4	5289.9	5258.2
75°	3853.1	3972.5	4437.3	5212.8	6426.7	6815.5	6022.1	4898.0	4218.6	3993.6	3958.7
77.5°	1287.9	1379.8	1792.9	2955.1	4381.3	4965.6	4387.7	3203.3	2266.2	1825.6	1834.1
80°	341.3	337.0	436.3	812.5	1893.3	2875.8	2203.9	1085.0	593.8	430.0	407.8
82.5°	122.6	137.3	176.4	225.0	501.8	893.8	630.7	304.3	222.9	164.8	159.5
85°	53.9	52.8	76.1	89.8	125.7	166.9	147.9	128.9	113.0	75.0	69.7
87.5°	11.6	11.6	18.0	13.7	22.2	22.2	27.5	32.8	33.8	22.2	18.0
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)