

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: P528559

Luminaire Tested: **GALN-SA3C-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528559
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-SA3C-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA 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: 10009 lumens
Efficiency: N/A
Efficacy: 62.6 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): 160
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



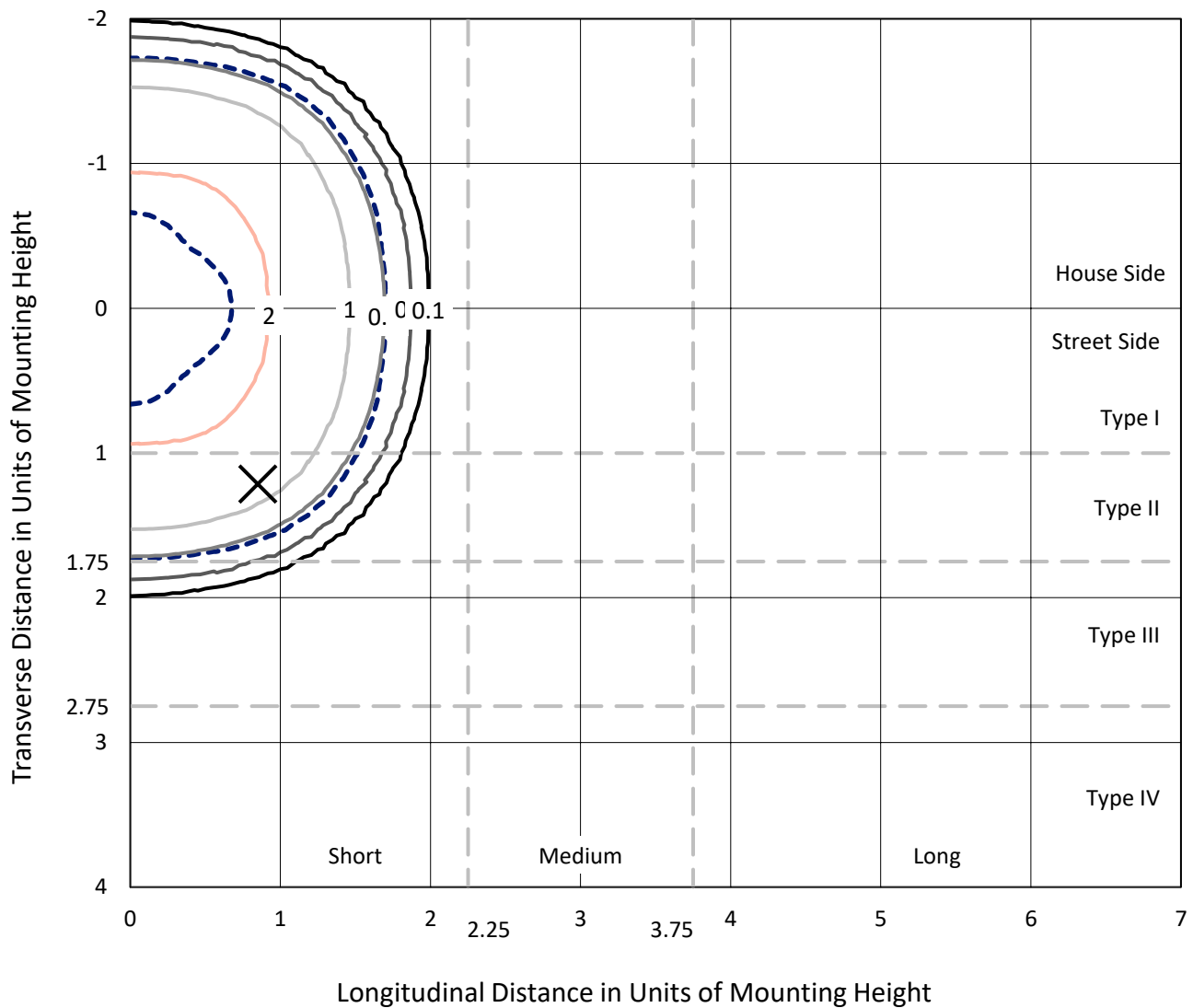
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

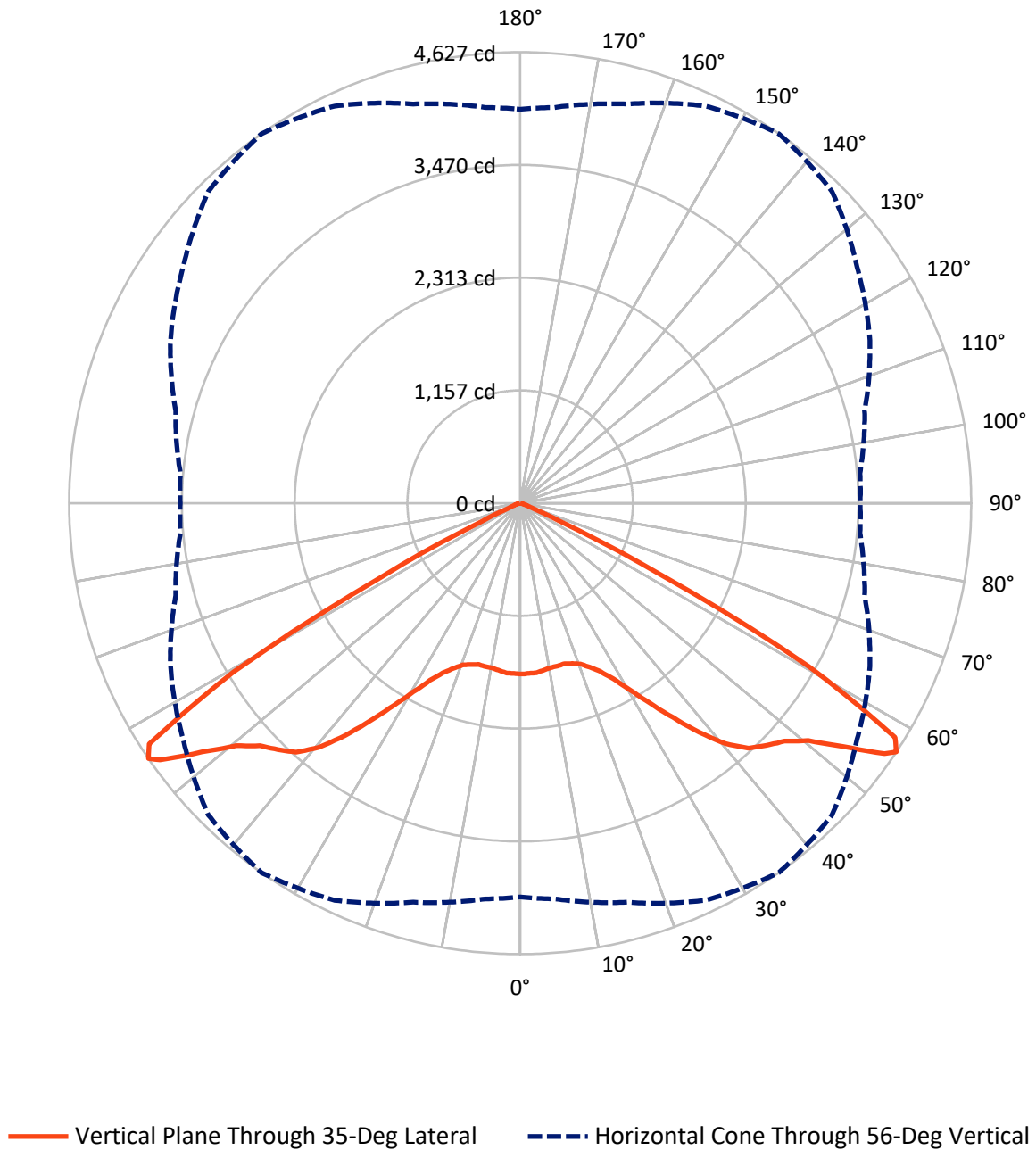


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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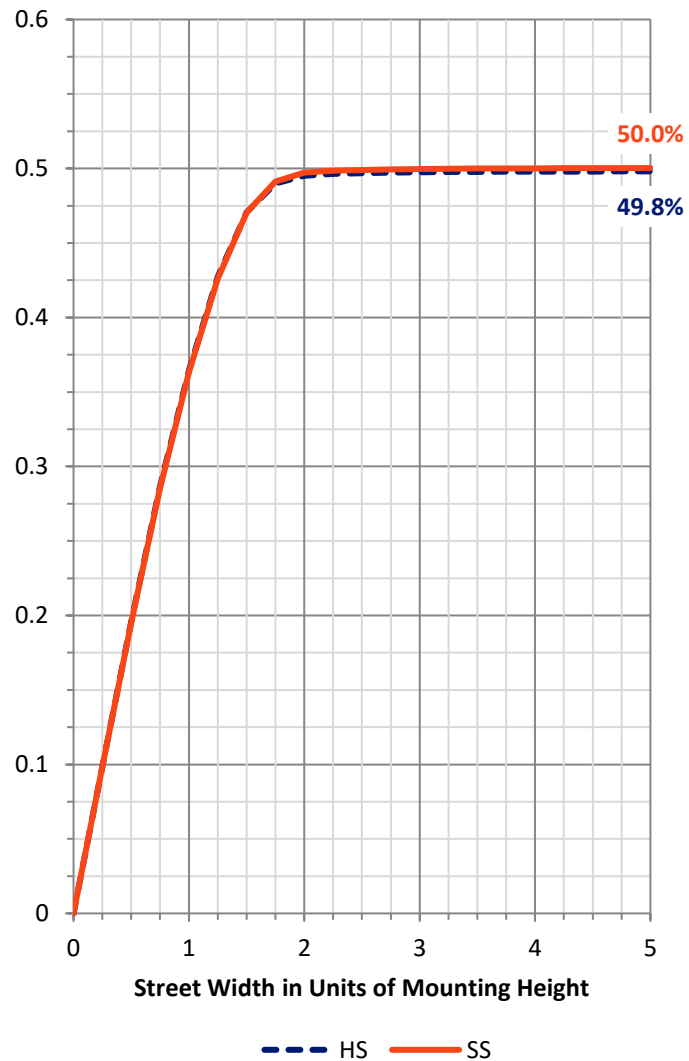
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5004.5	0.0	5004.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5004.5	0.0	5004.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10009.0	0.0	10009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	1.6
10°-20°	481.2	4.8
20°-30°	871.4	8.7
30°-40°	1615.9	16.1
40°-50°	2652.4	26.5
50°-60°	3417.1	34.1
60°-70°	753.1	7.5
70°-80°	43.7	0.4
80°-90°	9.2	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°	10009.0	100.0
0°-180°	10009.0	100.0

Coefficient of Utilization



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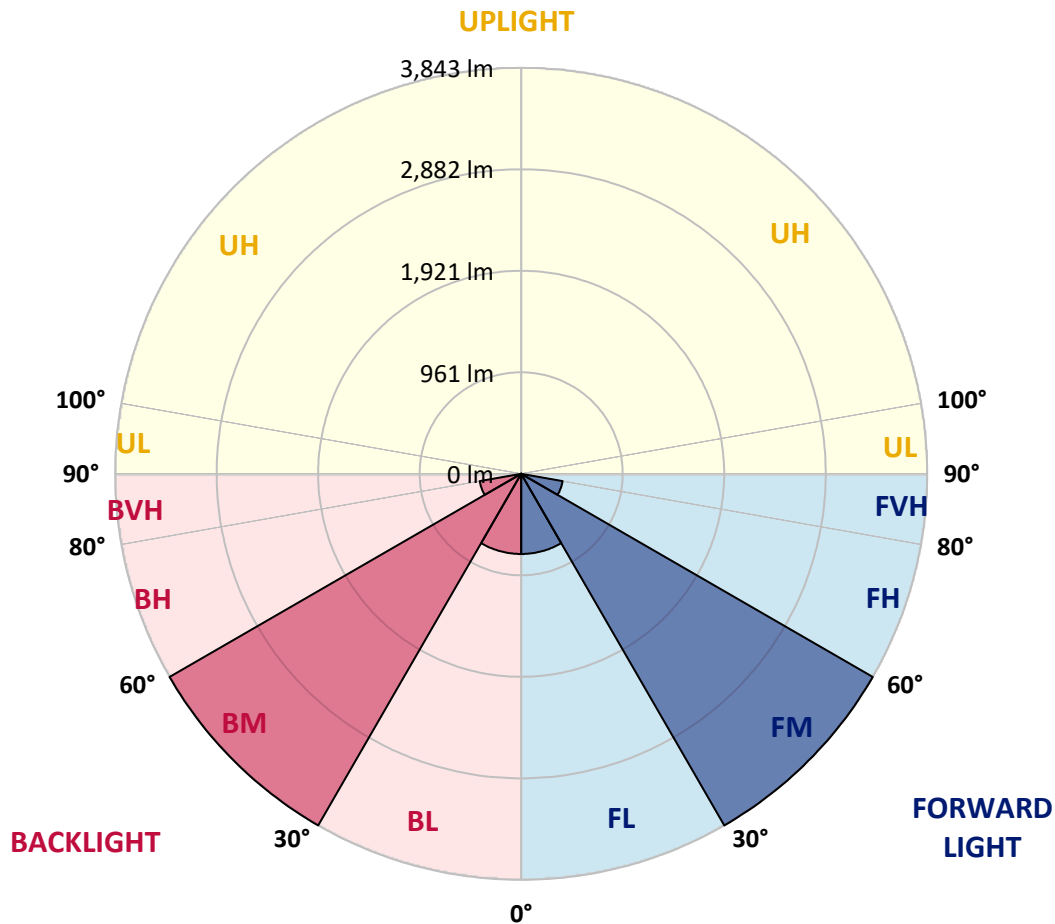
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	758.7	7.6			
FM	(30°-60°)	3842.8	38.4			
FH	(60°-80°)	398.4	4.0			G0/660
FVH	(80°-90°)	4.6	0.0			G0/10
BL	(0°-30°)	758.7	7.6	B2/1000		
BM	(30°-60°)	3842.8	38.4	B3/5000		
BH	(60°-80°)	398.4	4.0	B1/500		G0/660
BVH	(80°-90°)	4.6	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°	1753.8	1753.8	1753.8	1753.8	1753.8	1753.8	1753.8	1753.8	1753.8	1753.8	1753.8
2.5°	1757.4	1757.4	1759.2	1761.0	1748.4	1742.9	1744.7	1741.1	1739.3	1744.7	1744.7
5°	1752.0	1752.0	1746.5	1748.4	1748.4	1732.0	1732.0	1735.7	1735.7	1724.8	1721.1
7.5°	1737.5	1733.8	1726.6	1735.7	1730.2	1730.2	1717.5	1708.5	1704.8	1712.1	1704.8
10°	1706.6	1708.5	1715.7	1719.3	1715.7	1726.6	1704.8	1692.1	1679.4	1674.0	1674.0
12.5°	1692.1	1703.0	1692.1	1701.2	1713.9	1704.8	1692.1	1683.1	1664.9	1657.7	1657.7
15°	1690.3	1697.6	1701.2	1713.9	1708.5	1712.1	1686.7	1675.8	1648.6	1635.9	1630.5
17.5°	1688.5	1697.6	1703.0	1726.6	1730.2	1732.0	1712.1	1679.4	1655.9	1643.2	1630.5
20°	1708.5	1712.1	1723.0	1746.5	1761.0	1786.4	1750.2	1715.7	1664.9	1650.4	1645.0
22.5°	1733.8	1752.0	1762.9	1788.3	1826.3	1848.1	1800.9	1757.4	1704.8	1686.7	1664.9
25°	1815.5	1811.8	1830.0	1882.6	1913.4	1929.7	1891.6	1828.2	1759.2	1737.5	1741.1
27.5°	1917.0	1920.6	1937.0	1995.0	2040.3	2065.7	2020.4	1937.0	1869.9	1833.6	1830.0
30°	2049.4	2045.8	2063.9	2141.9	2223.5	2261.6	2181.8	2083.9	2018.6	1971.4	1982.3
32.5°	2189.1	2190.9	2241.7	2312.4	2444.8	2519.1	2390.4	2270.7	2172.7	2140.1	2123.8
35°	2395.8	2404.9	2444.8	2553.6	2700.5	2796.6	2655.2	2511.9	2399.4	2339.6	2346.9
37.5°	2651.5	2642.5	2709.6	2827.5	2981.6	3052.4	2932.7	2769.4	2655.2	2615.3	2640.7
40°	2923.6	2932.7	2967.1	3074.1	3246.4	3293.6	3115.8	3027.0	2927.2	2907.3	2938.1
42.5°	3195.6	3190.2	3215.6	3311.7	3436.9	3404.2	3299.0	3246.4	3175.7	3135.8	3177.5
45°	3395.1	3386.1	3433.2	3498.5	3543.9	3482.2	3435.0	3416.9	3380.6	3337.1	3375.2
47.5°	3589.2	3581.9	3627.3	3645.4	3649.0	3567.4	3576.5	3609.1	3518.5	3427.8	3471.3
50°	3754.2	3741.5	3797.8	3837.7	3828.6	3698.0	3730.7	3698.0	3556.6	3449.5	3433.2
52.5°	4029.9	4035.4	4095.2	4167.7	4146.0	4037.2	3990.0	3841.3	3659.9	3563.8	3507.6
55°	4204.0	4176.8	4280.2	4510.5	4535.9	4423.5	4214.9	3995.5	3723.4	3605.5	3591.0
56°	4040.8	4075.3	4238.5	4496.0	4626.6	4523.2	4220.3	3957.4	3658.1	3498.5	3487.6
57.5°	3625.5	3607.3	3828.6	4180.4	4535.9	4492.4	4071.6	3685.3	3337.1	3157.6	3135.8
60°	2256.2	2308.8	2502.8	2938.1	3413.3	3435.0	3017.9	2686.0	2279.7	2120.1	2158.2
62.5°	883.2	837.9	959.4	1284.1	1610.5	1683.1	1525.3	1267.7	1041.0	883.2	872.4
65°	204.9	199.5	224.9	310.1	433.5	502.4	477.0	342.8	252.1	239.4	221.3
67.5°	116.1	116.1	110.6	110.6	121.5	128.8	123.3	121.5	127.0	132.4	130.6
70°	81.6	79.8	76.2	78.0	74.4	74.4	79.8	88.9	96.1	96.1	97.9
72.5°	49.0	49.0	49.0	54.4	54.4	54.4	59.9	67.1	68.9	67.1	65.3
75°	21.8	21.8	25.4	30.8	34.5	36.3	41.7	45.3	49.0	45.3	41.7
77.5°	5.4	5.4	9.1	12.7	16.3	20.0	27.2	32.6	34.5	32.6	27.2
80°	1.8	1.8	3.6	9.1	16.3	20.0	27.2	29.0	30.8	27.2	21.8
82.5°	1.8	1.8	3.6	9.1	12.7	16.3	21.8	25.4	27.2	23.6	21.8
85°	0.0	1.8	3.6	7.3	10.9	14.5	14.5	10.9	9.1	5.4	7.3
87.5°	0.0	0.0	1.8	1.8	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)