

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: P528433

Luminaire Tested: **GALN-SA3C-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528433
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-SA3C-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA 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: 10198 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

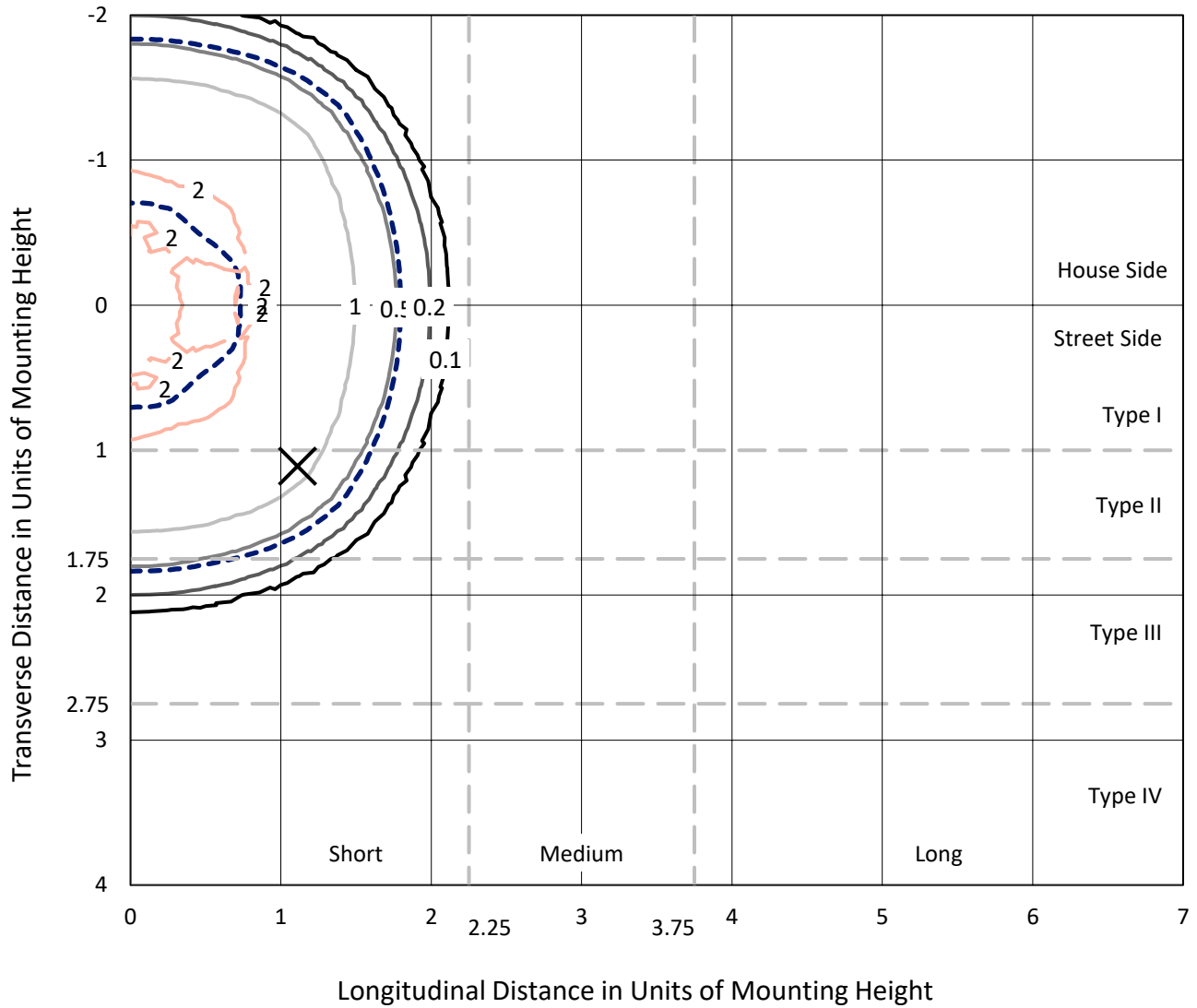
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

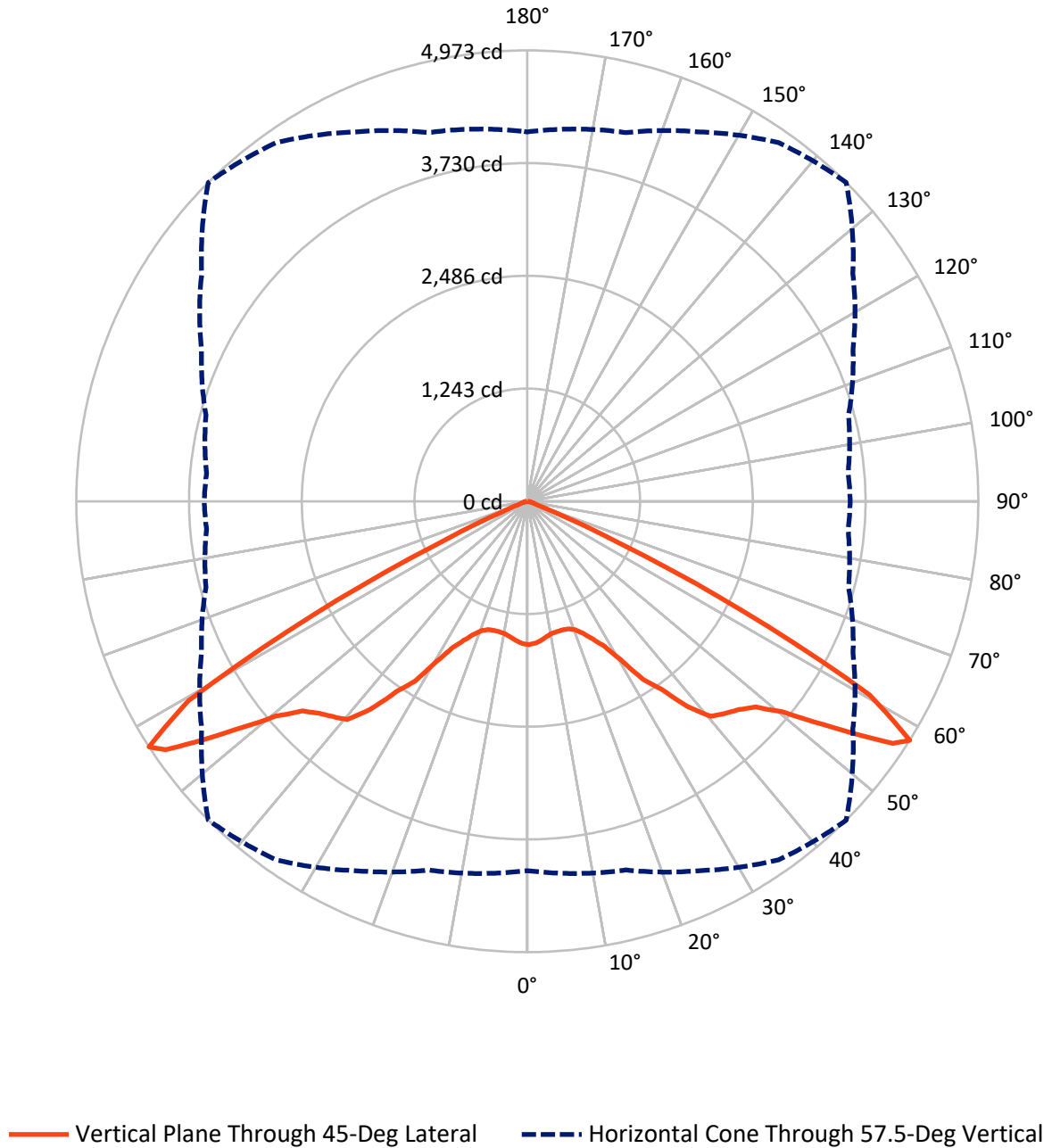
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	5099.0	0.0	5099.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5099.0	0.0	5099.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10198.0	0.0	10198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.4
10°-20°	420.2	4.1
20°-30°	775.6	7.6
30°-40°	1525.2	15.0
40°-50°	2484.2	24.4
50°-60°	3542.8	34.7
60°-70°	1226.6	12.0
70°-80°	65.8	0.6
80°-90°	12.4	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°	10198.0	100.0
0°-180°	10198.0	100.0

Coefficient of Utilization



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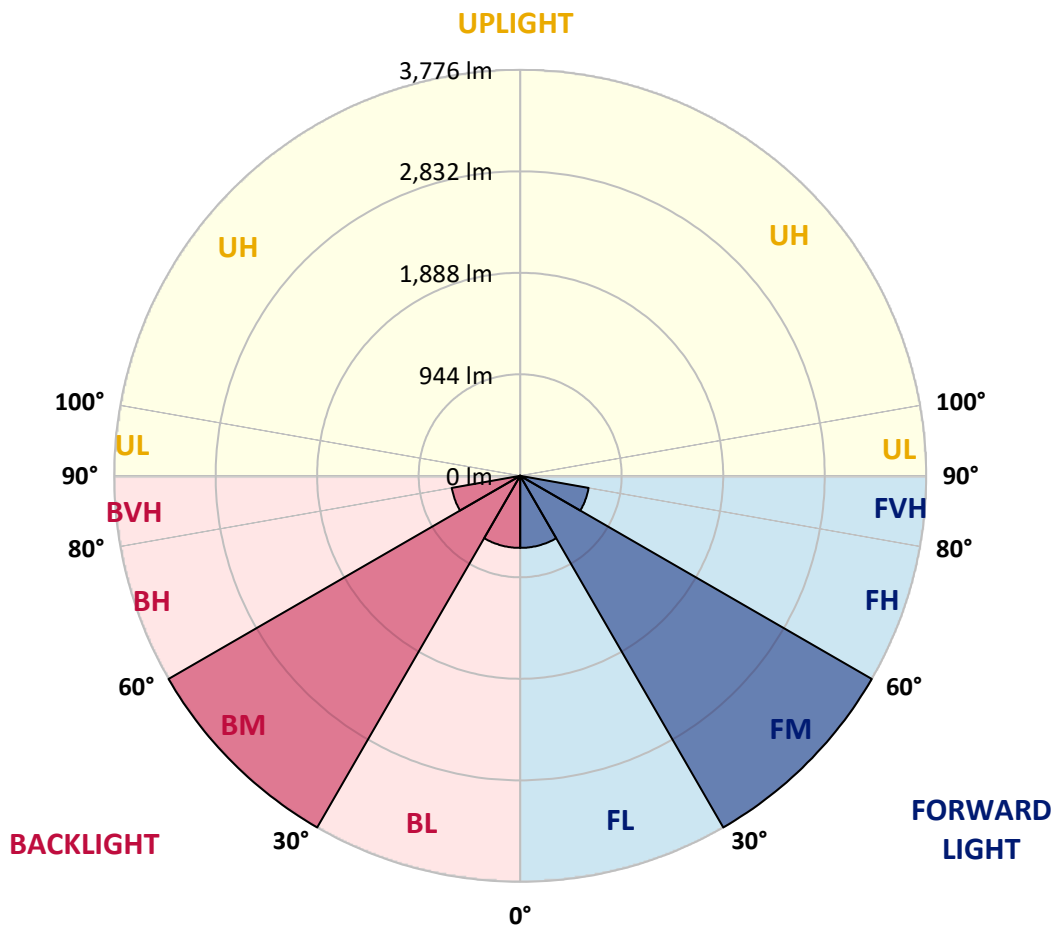
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.5	6.6			
FM (30°-60°)	3776.1	37.0			
FH (60°-80°)	646.2	6.3			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	670.5	6.6	B2/1000		
BM (30°-60°)	3776.1	37.0	B3/5000		
BH (60°-80°)	646.2	6.3	B2/1000		G0/660
BVH (80°-90°)	6.2	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°	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8	1581.8
2.5°	1577.6	1586.1	1575.4	1571.2	1569.1	1569.1	1562.7	1562.7	1560.6	1562.7	1554.2
5°	1552.1	1560.6	1560.6	1558.4	1545.7	1543.5	1537.2	1532.9	1535.0	1526.5	1532.9
7.5°	1526.5	1532.9	1524.4	1522.3	1518.0	1509.5	1507.4	1488.3	1490.4	1490.4	1494.6
10°	1522.3	1520.2	1507.4	1496.8	1484.0	1481.9	1475.5	1471.3	1471.3	1469.1	1475.5
12.5°	1522.3	1511.7	1509.5	1486.1	1464.9	1473.4	1456.4	1445.7	1460.6	1464.9	1473.4
15°	1520.2	1530.8	1494.6	1484.0	1469.1	1471.3	1456.4	1445.7	1454.3	1458.5	1464.9
17.5°	1532.9	1526.5	1515.9	1494.6	1488.3	1479.8	1460.6	1452.1	1452.1	1462.8	1464.9
20°	1566.9	1549.9	1528.7	1518.0	1524.4	1513.8	1490.4	1458.5	1467.0	1475.5	1481.9
22.5°	1598.8	1586.1	1571.2	1564.8	1601.0	1583.9	1543.5	1507.4	1494.6	1509.5	1520.2
25°	1660.5	1660.5	1632.8	1641.3	1681.7	1683.9	1637.1	1573.3	1564.8	1571.2	1575.4
27.5°	1785.9	1792.3	1768.9	1777.4	1794.4	1809.3	1768.9	1715.8	1696.6	1694.5	1700.9
30°	1922.0	1934.7	1932.6	1968.8	2017.7	2026.2	1966.6	1879.5	1822.1	1811.4	1819.9
32.5°	2100.6	2107.0	2102.7	2145.2	2277.1	2338.7	2183.5	2060.2	1983.6	2002.8	1983.6
35°	2436.5	2430.1	2383.4	2391.9	2500.3	2544.9	2396.1	2317.4	2281.3	2319.6	2311.1
37.5°	2725.7	2702.3	2664.0	2719.3	2832.0	2872.4	2717.2	2579.0	2513.0	2576.8	2604.5
40°	2970.2	2910.6	2857.5	2912.8	3063.7	3119.0	2891.5	2778.8	2753.3	2800.1	2859.6
42.5°	3176.4	3138.1	3068.0	3072.2	3172.1	3197.7	3014.8	2948.9	2923.4	2997.8	3027.6
45°	3323.1	3286.9	3221.0	3216.8	3293.3	3276.3	3112.6	3068.0	3082.8	3131.7	3146.6
47.5°	3397.5	3416.6	3378.4	3389.0	3429.4	3389.0	3259.3	3259.3	3225.3	3255.1	3240.2
50°	3612.2	3552.7	3601.6	3601.6	3644.1	3648.4	3518.7	3471.9	3380.5	3329.5	3329.5
52.5°	3863.1	3867.4	3886.5	3956.7	4029.0	4090.6	3905.6	3705.8	3552.7	3486.8	3478.3
55°	4069.4	4111.9	4188.4	4320.2	4528.6	4613.6	4294.7	3937.5	3750.4	3648.4	3627.1
56°	4182.0	4141.6	4273.5	4454.2	4726.3	4836.9	4358.5	3984.3	3778.1	3663.3	3661.1
57.5°	4073.6	4118.3	4209.7	4494.6	4828.4	4972.9	4381.9	3963.0	3667.5	3550.6	3561.2
60°	3216.8	3259.3	3382.6	3701.5	4224.6	4337.2	3707.9	3267.8	3004.2	2836.2	2838.3
62.5°	1819.9	1851.8	1947.5	2243.0	2568.3	2676.8	2311.1	2017.7	1834.8	1741.3	1711.5
65°	669.7	657.0	671.8	822.8	1022.7	1114.1	961.0	812.2	716.5	682.5	669.7
67.5°	250.9	231.7	216.9	231.7	291.3	308.3	282.8	236.0	221.1	227.5	231.7
70°	155.2	146.7	116.9	110.6	108.4	106.3	112.7	119.1	136.1	159.5	163.7
72.5°	108.4	102.1	82.9	78.7	74.4	72.3	82.9	91.4	106.3	123.3	125.4
75°	42.5	44.6	42.5	46.8	48.9	51.0	59.5	65.9	72.3	72.3	70.2
77.5°	8.5	8.5	12.8	17.0	21.3	27.6	40.4	46.8	48.9	46.8	40.4
80°	0.0	0.0	4.3	8.5	17.0	23.4	36.1	40.4	44.6	40.4	31.9
82.5°	0.0	0.0	4.3	10.6	17.0	21.3	34.0	42.5	48.9	44.6	34.0
85°	0.0	0.0	4.3	8.5	12.8	14.9	14.9	10.6	10.6	6.4	4.3
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)