

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: P527055

Luminaire Tested: **GALN-SA2A-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527055
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-SA2A-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 615mA 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: 4797 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

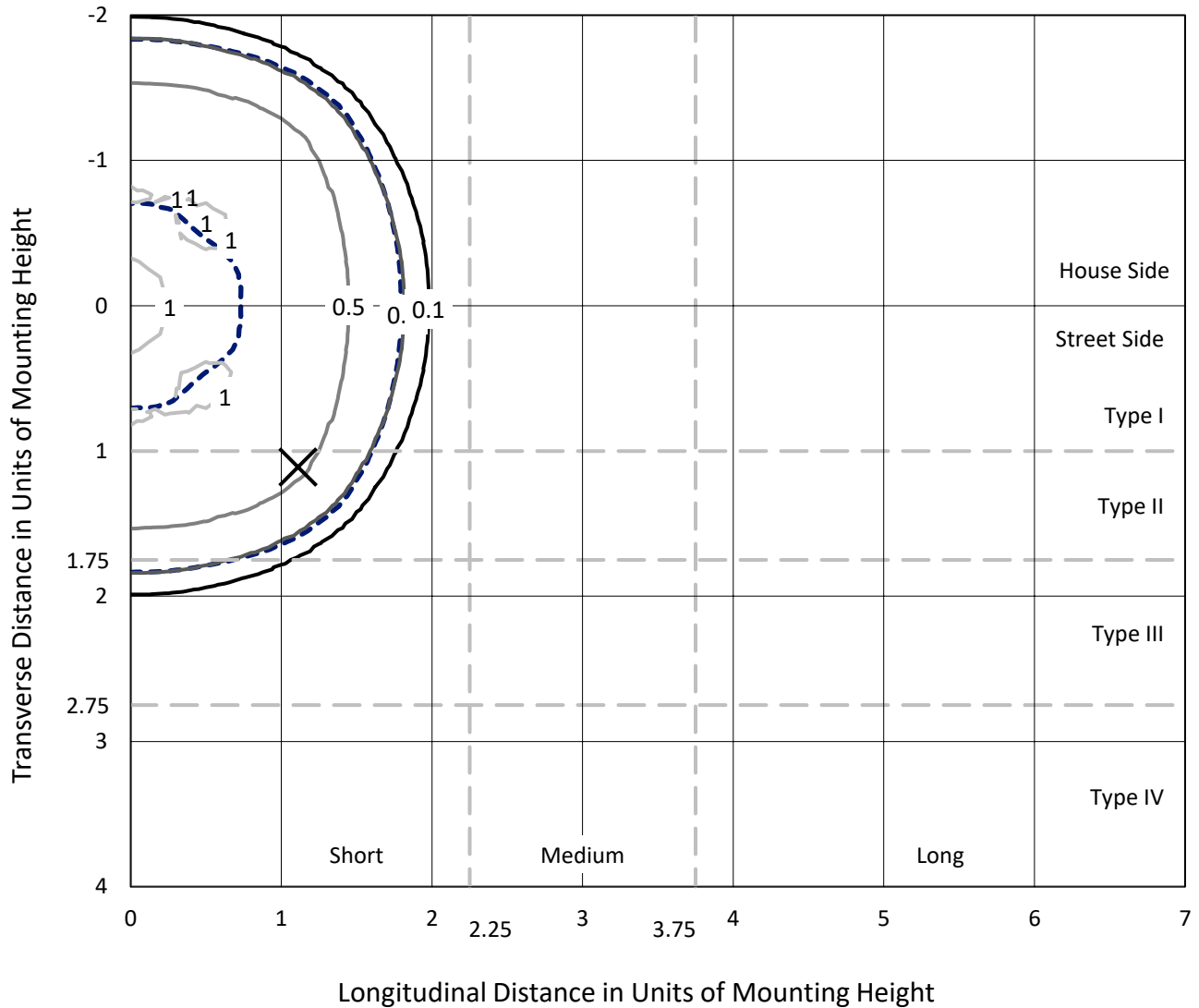
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

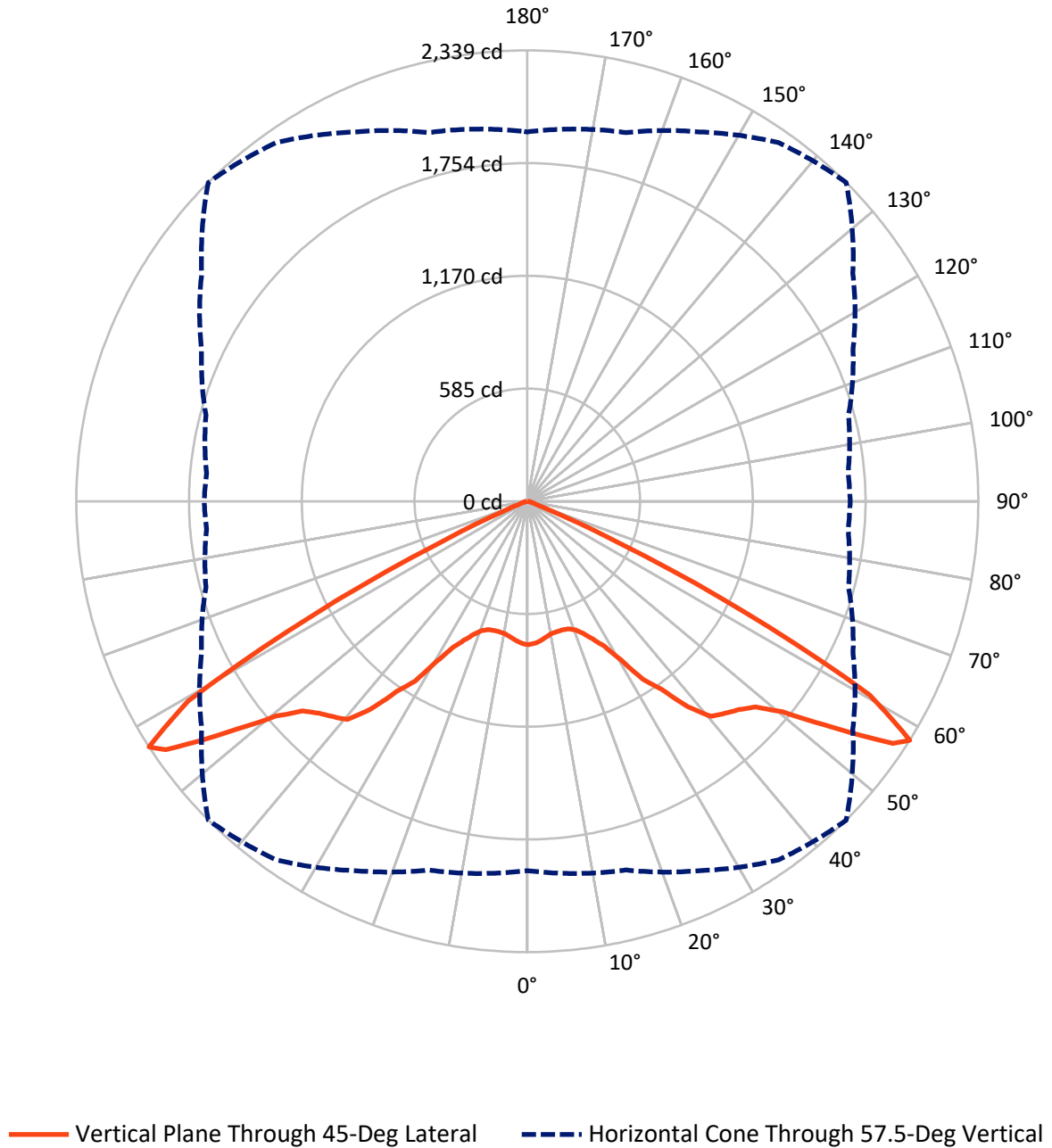
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	2398.5	0.0	2398.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2398.5	0.0	2398.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4797.0	0.0	4797.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	1.4
10°-20°	197.6	4.1
20°-30°	364.8	7.6
30°-40°	717.4	15.0
40°-50°	1168.5	24.4
50°-60°	1666.5	34.7
60°-70°	577.0	12.0
70°-80°	30.9	0.6
80°-90°	5.8	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°	4797.0	100.0
0°-180°	4797.0	100.0

Coefficient of Utilization

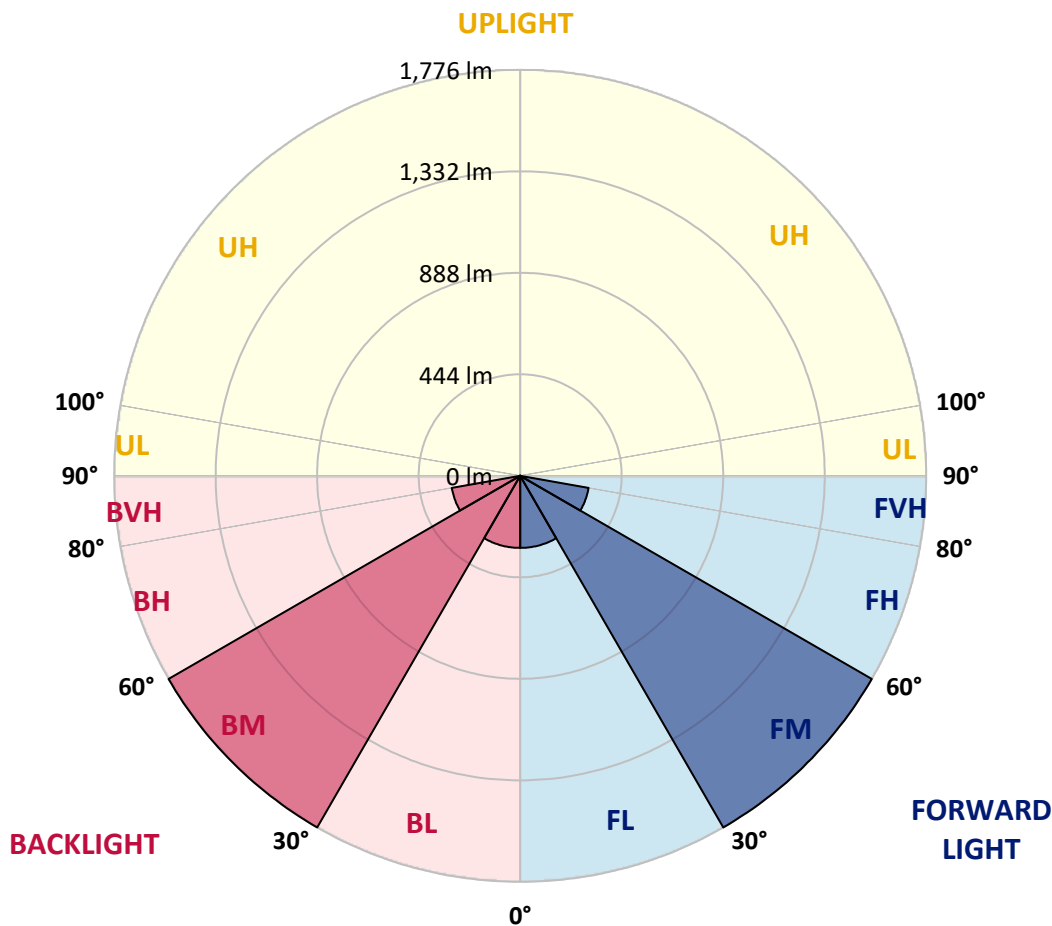


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.4	6.6			
FM (30°-60°)	1776.2	37.0			
FH (60°-80°)	304.0	6.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	315.4	6.6	B1/500		
BM (30°-60°)	1776.2	37.0	B2/2500		
BH (60°-80°)	304.0	6.3	B1/500		G0/660
BVH (80°-90°)	2.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1
2.5°	742.1	746.1	741.1	739.1	738.1	738.1	735.1	735.1	734.1	735.1	731.1
5°	730.1	734.1	734.1	733.1	727.1	726.1	723.1	721.1	722.1	718.1	721.1
7.5°	718.1	721.1	717.1	716.1	714.1	710.1	709.1	700.1	701.1	701.1	703.1
10°	716.1	715.1	709.1	704.1	698.1	697.1	694.1	692.1	692.1	691.1	694.1
12.5°	716.1	711.1	710.1	699.1	689.1	693.1	685.1	680.1	687.1	689.1	693.1
15°	715.1	720.1	703.1	698.1	691.1	692.1	685.1	680.1	684.1	686.1	689.1
17.5°	721.1	718.1	713.1	703.1	700.1	696.1	687.1	683.1	683.1	688.1	689.1
20°	737.1	729.1	719.1	714.1	717.1	712.1	701.1	686.1	690.1	694.1	697.1
22.5°	752.1	746.1	739.1	736.1	753.1	745.1	726.1	709.1	703.1	710.1	715.1
25°	781.1	781.1	768.1	772.1	791.1	792.1	770.1	740.1	736.1	739.1	741.1
27.5°	840.1	843.1	832.1	836.1	844.1	851.1	832.1	807.1	798.1	797.1	800.1
30°	904.1	910.1	909.1	926.1	949.1	953.1	925.1	884.1	857.1	852.1	856.1
32.5°	988.1	991.1	989.1	1009.1	1071.1	1100.1	1027.1	969.1	933.1	942.1	933.1
35°	1146.1	1143.1	1121.1	1125.1	1176.1	1197.1	1127.1	1090.1	1073.1	1091.1	1087.1
37.5°	1282.1	1271.1	1253.1	1279.1	1332.1	1351.1	1278.1	1213.1	1182.1	1212.1	1225.1
40°	1397.1	1369.1	1344.1	1370.1	1441.1	1467.1	1360.1	1307.1	1295.1	1317.1	1345.1
42.5°	1494.1	1476.1	1443.1	1445.1	1492.1	1504.1	1418.1	1387.1	1375.1	1410.1	1424.1
45°	1563.1	1546.1	1515.1	1513.1	1549.1	1541.1	1464.1	1443.1	1450.1	1473.1	1480.1
47.5°	1598.1	1607.1	1589.1	1594.1	1613.1	1594.1	1533.1	1533.1	1517.1	1531.1	1524.1
50°	1699.1	1671.1	1694.1	1694.1	1714.1	1716.1	1655.1	1633.1	1590.1	1566.1	1566.1
52.5°	1817.2	1819.2	1828.2	1861.2	1895.2	1924.2	1837.2	1743.2	1671.1	1640.1	1636.1
55°	1914.2	1934.2	1970.2	2032.2	2130.2	2170.2	2020.2	1852.2	1764.2	1716.1	1706.1
56°	1967.2	1948.2	2010.2	2095.2	2223.2	2275.2	2050.2	1874.2	1777.2	1723.2	1722.2
57.5°	1916.2	1937.2	1980.2	2114.2	2271.2	2339.2	2061.2	1864.2	1725.2	1670.1	1675.1
60°	1513.1	1533.1	1591.1	1741.2	1987.2	2040.2	1744.2	1537.1	1413.1	1334.1	1335.1
62.5°	856.1	871.1	916.1	1055.1	1208.1	1259.1	1087.1	949.1	863.1	819.1	805.1
65°	315.0	309.0	316.0	387.0	481.0	524.0	452.0	382.0	337.0	321.0	315.0
67.5°	118.0	109.0	102.0	109.0	137.0	145.0	133.0	111.0	104.0	107.0	109.0
70°	73.0	69.0	55.0	52.0	51.0	50.0	53.0	56.0	64.0	75.0	77.0
72.5°	51.0	48.0	39.0	37.0	35.0	34.0	39.0	43.0	50.0	58.0	59.0
75°	20.0	21.0	20.0	22.0	23.0	24.0	28.0	31.0	34.0	34.0	33.0
77.5°	4.0	4.0	6.0	8.0	10.0	13.0	19.0	22.0	23.0	22.0	19.0
80°	0.0	0.0	2.0	4.0	8.0	11.0	17.0	19.0	21.0	19.0	15.0
82.5°	0.0	0.0	2.0	5.0	8.0	10.0	16.0	20.0	23.0	21.0	16.0
85°	0.0	0.0	2.0	4.0	6.0	7.0	7.0	5.0	5.0	3.0	2.0
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)