

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: P526973

Luminaire Tested: **GALN-SA2A-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526973
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-SA2A-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA 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: 4615 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

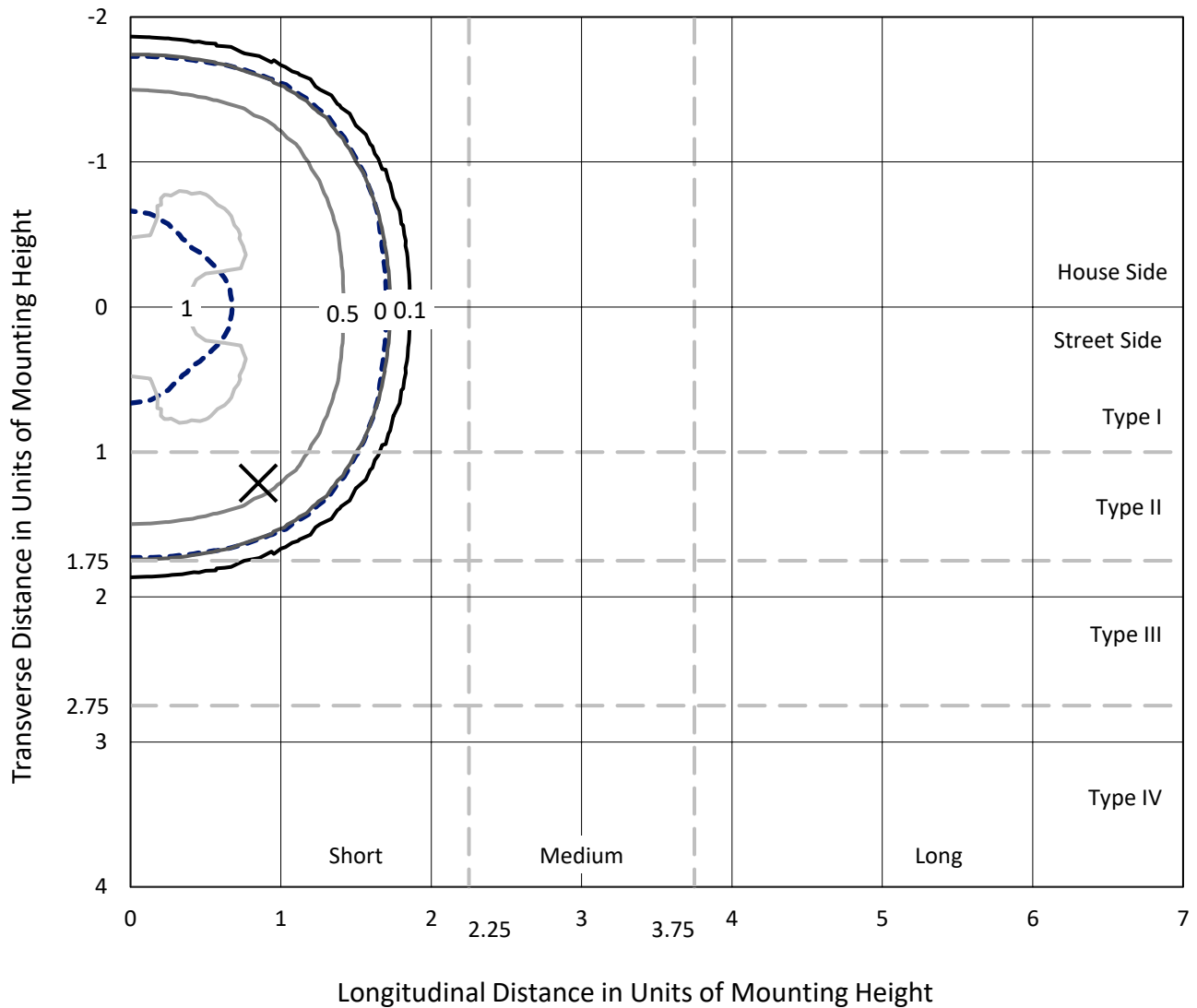
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

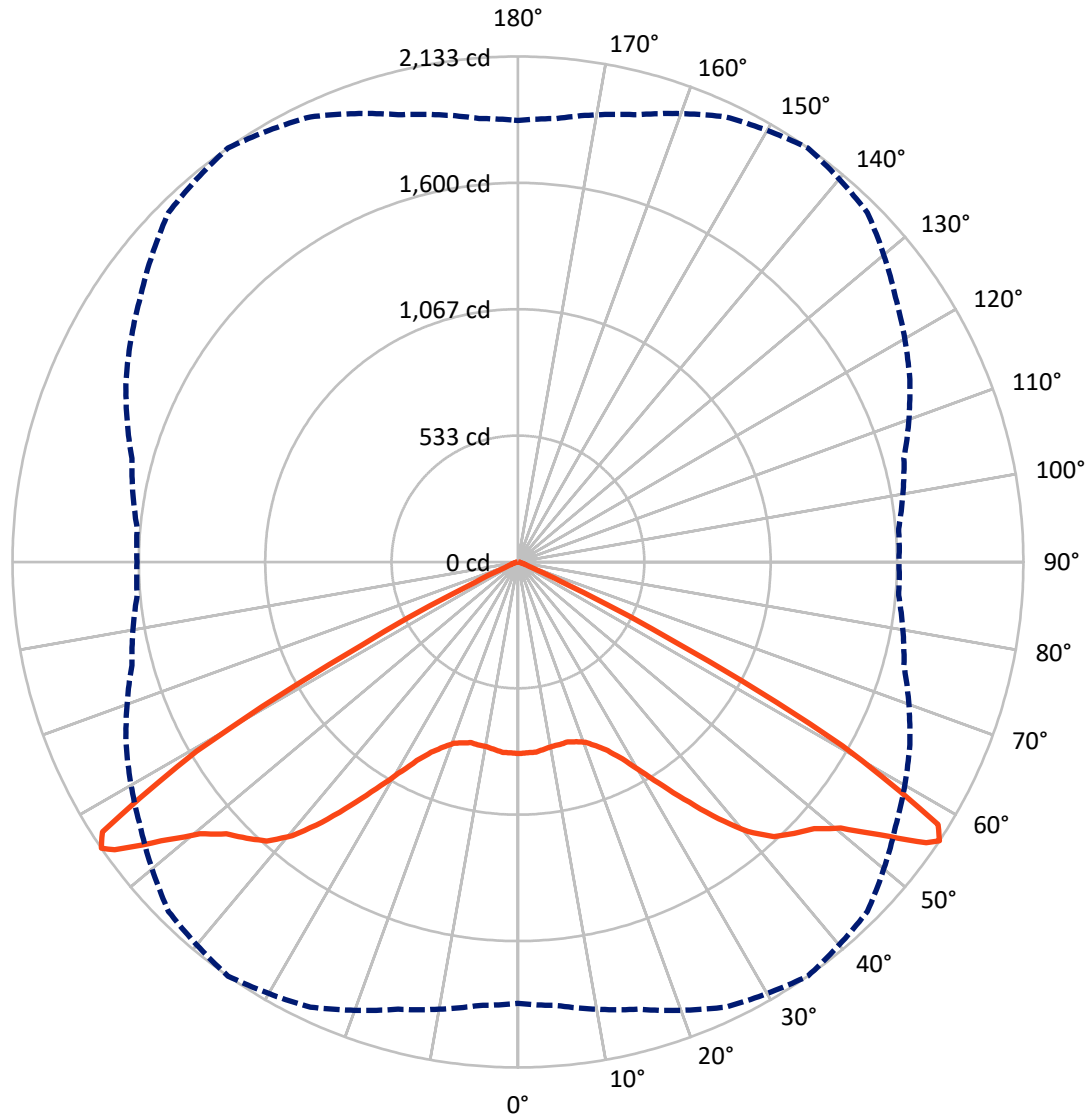
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	2307.5	0.0	2307.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2307.5	0.0	2307.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4615.0	0.0	4615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	1.6
10°-20°	221.9	4.8
20°-30°	401.8	8.7
30°-40°	745.1	16.1
40°-50°	1223.0	26.5
50°-60°	1575.6	34.1
60°-70°	347.2	7.5
70°-80°	20.1	0.4
80°-90°	4.2	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°	4615.0	100.0
0°-180°	4615.0	100.0

Coefficient of Utilization

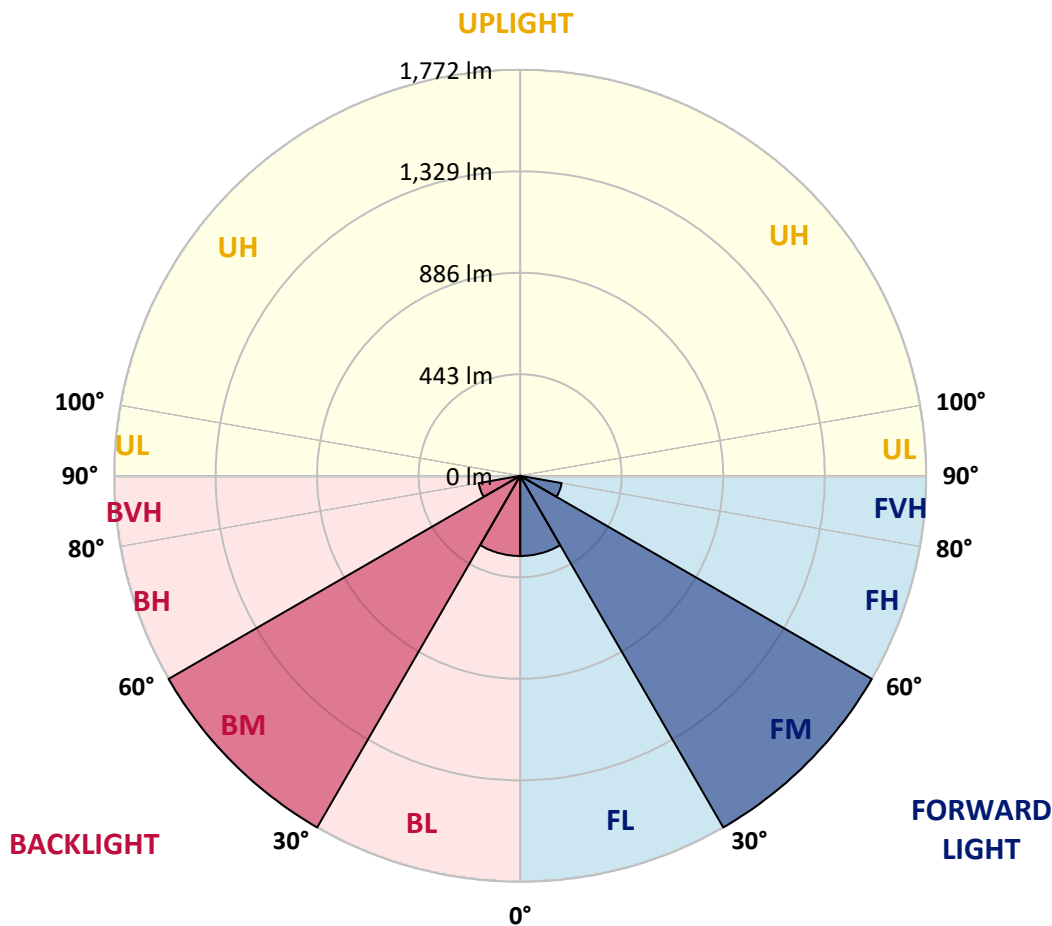


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.8	7.6			
FM (30°-60°)	1771.8	38.4			
FH (60°-80°)	183.7	4.0			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	349.8	7.6	B1/500		
BM (30°-60°)	1771.8	38.4	B2/2500		
BH (60°-80°)	183.7	4.0	B1/500		G0/660
BVH (80°-90°)	2.1	0.0			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°	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6
2.5°	810.3	810.3	811.2	812.0	806.1	803.6	804.5	802.8	802.0	804.5	804.5
5°	807.8	807.8	805.3	806.1	806.1	798.6	798.6	800.3	800.3	795.3	793.6
7.5°	801.1	799.4	796.1	800.3	797.8	797.8	791.9	787.7	786.1	789.4	786.1
10°	786.9	787.7	791.1	792.8	791.1	796.1	786.1	780.2	774.4	771.9	771.9
12.5°	780.2	785.2	780.2	784.4	790.2	786.1	780.2	776.0	767.7	764.3	764.3
15°	779.4	782.7	784.4	790.2	787.7	789.4	777.7	772.7	760.1	754.3	751.8
17.5°	778.5	782.7	785.2	796.1	797.8	798.6	789.4	774.4	763.5	757.6	751.8
20°	787.7	789.4	794.4	805.3	812.0	823.7	807.0	791.1	767.7	761.0	758.5
22.5°	799.4	807.8	812.8	824.5	842.1	852.1	830.4	810.3	786.1	777.7	767.7
25°	837.1	835.4	843.8	868.0	882.2	889.8	872.2	842.9	811.2	801.1	802.8
27.5°	883.9	885.6	893.1	919.9	940.8	952.5	931.6	893.1	862.2	845.4	843.8
30°	945.0	943.3	951.6	987.6	1025.2	1042.8	1006.0	960.8	930.7	909.0	914.0
32.5°	1009.3	1010.2	1033.6	1066.2	1127.3	1161.5	1102.2	1047.0	1001.8	986.8	979.2
35°	1104.7	1108.9	1127.3	1177.4	1245.2	1289.5	1224.3	1158.2	1106.3	1078.8	1082.1
37.5°	1222.6	1218.4	1249.3	1303.7	1374.8	1407.4	1352.2	1276.9	1224.3	1205.9	1217.6
40°	1348.0	1352.2	1368.1	1417.4	1496.9	1518.6	1436.7	1395.7	1349.7	1340.5	1354.7
42.5°	1473.5	1471.0	1482.7	1527.0	1584.7	1569.6	1521.1	1496.9	1464.3	1445.9	1465.1
45°	1565.4	1561.3	1583.0	1613.1	1634.0	1605.6	1583.8	1575.5	1558.8	1538.7	1556.2
47.5°	1654.9	1651.6	1672.5	1680.8	1682.5	1644.9	1649.1	1664.1	1622.3	1580.5	1600.6
50°	1731.0	1725.2	1751.1	1769.5	1765.3	1705.1	1720.2	1705.1	1639.9	1590.5	1583.0
52.5°	1858.1	1860.6	1888.2	1921.7	1911.7	1861.5	1839.7	1771.2	1687.5	1643.2	1617.3
55°	1938.4	1925.9	1973.5	2079.7	2091.4	2039.6	1943.4	1842.2	1716.8	1662.5	1655.8
56°	1863.2	1879.0	1954.3	2073.0	2133.3	2085.6	1945.9	1824.7	1686.7	1613.1	1608.1
57.5°	1671.7	1663.3	1765.3	1927.5	2091.4	2071.4	1877.4	1699.2	1538.7	1455.9	1445.9
60°	1040.3	1064.5	1154.0	1354.7	1573.8	1583.8	1391.5	1238.5	1051.2	977.6	995.1
62.5°	407.3	386.3	442.4	592.1	742.6	776.0	703.3	584.5	480.0	407.3	402.2
65°	94.5	92.0	103.7	143.0	199.9	231.6	219.9	158.0	116.2	110.4	102.0
67.5°	53.5	53.5	51.0	51.0	56.0	59.4	56.9	56.0	58.5	61.0	60.2
70°	37.6	36.8	35.1	36.0	34.3	34.3	36.8	41.0	44.3	44.3	45.2
72.5°	22.6	22.6	22.6	25.1	25.1	25.1	27.6	30.9	31.8	30.9	30.1
75°	10.0	10.0	11.7	14.2	15.9	16.7	19.2	20.9	22.6	20.9	19.2
77.5°	2.5	2.5	4.2	5.9	7.5	9.2	12.5	15.1	15.9	15.1	12.5
80°	0.8	0.8	1.7	4.2	7.5	9.2	12.5	13.4	14.2	12.5	10.0
82.5°	0.8	0.8	1.7	4.2	5.9	7.5	10.0	11.7	12.5	10.9	10.0
85°	0.0	0.8	1.7	3.3	5.0	6.7	6.7	5.0	4.2	2.5	3.3
87.5°	0.0	0.0	0.8	0.8	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)