

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: P527003

Luminaire Tested: **GALN-SA2A-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527003
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-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 4369 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

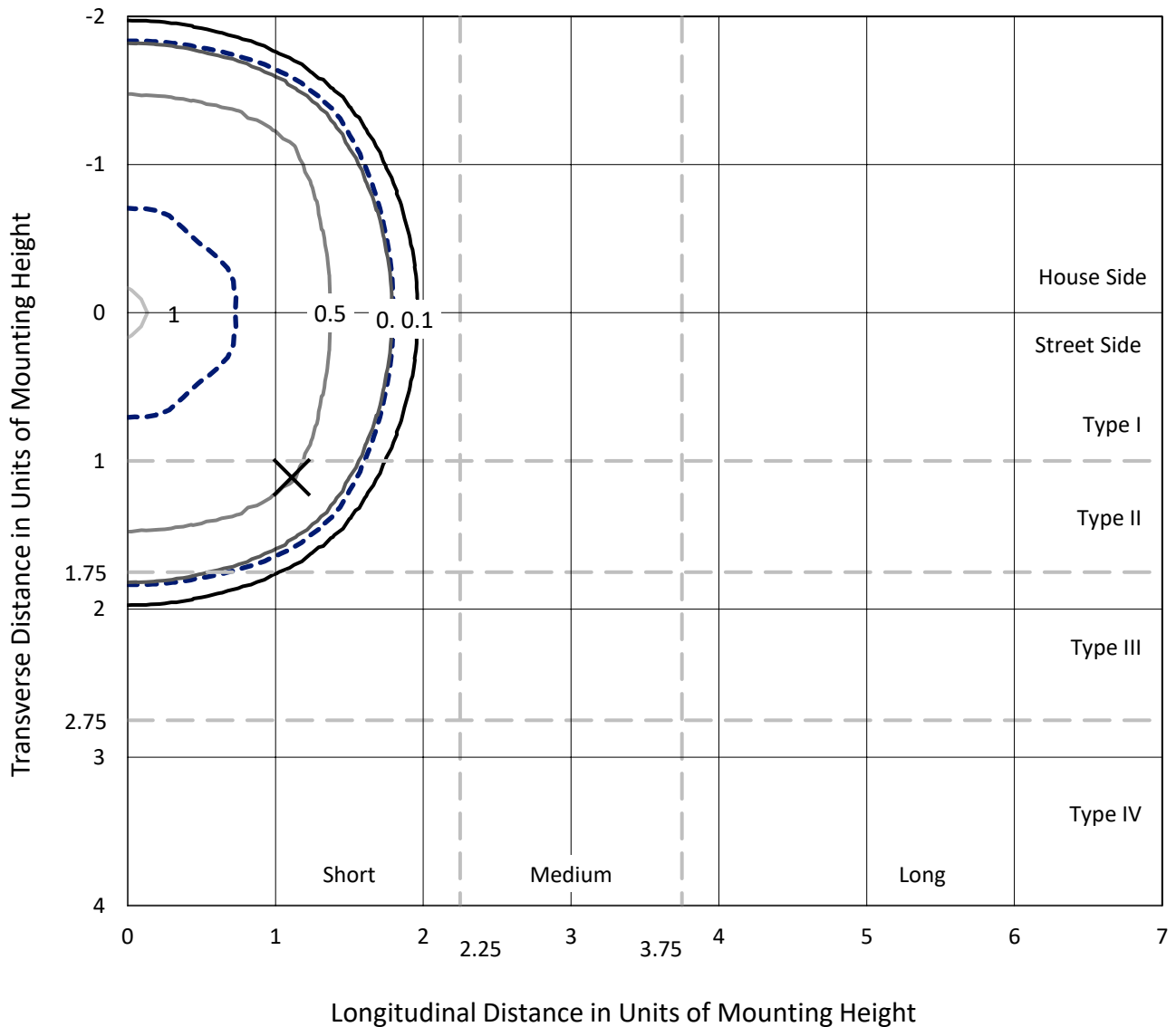
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

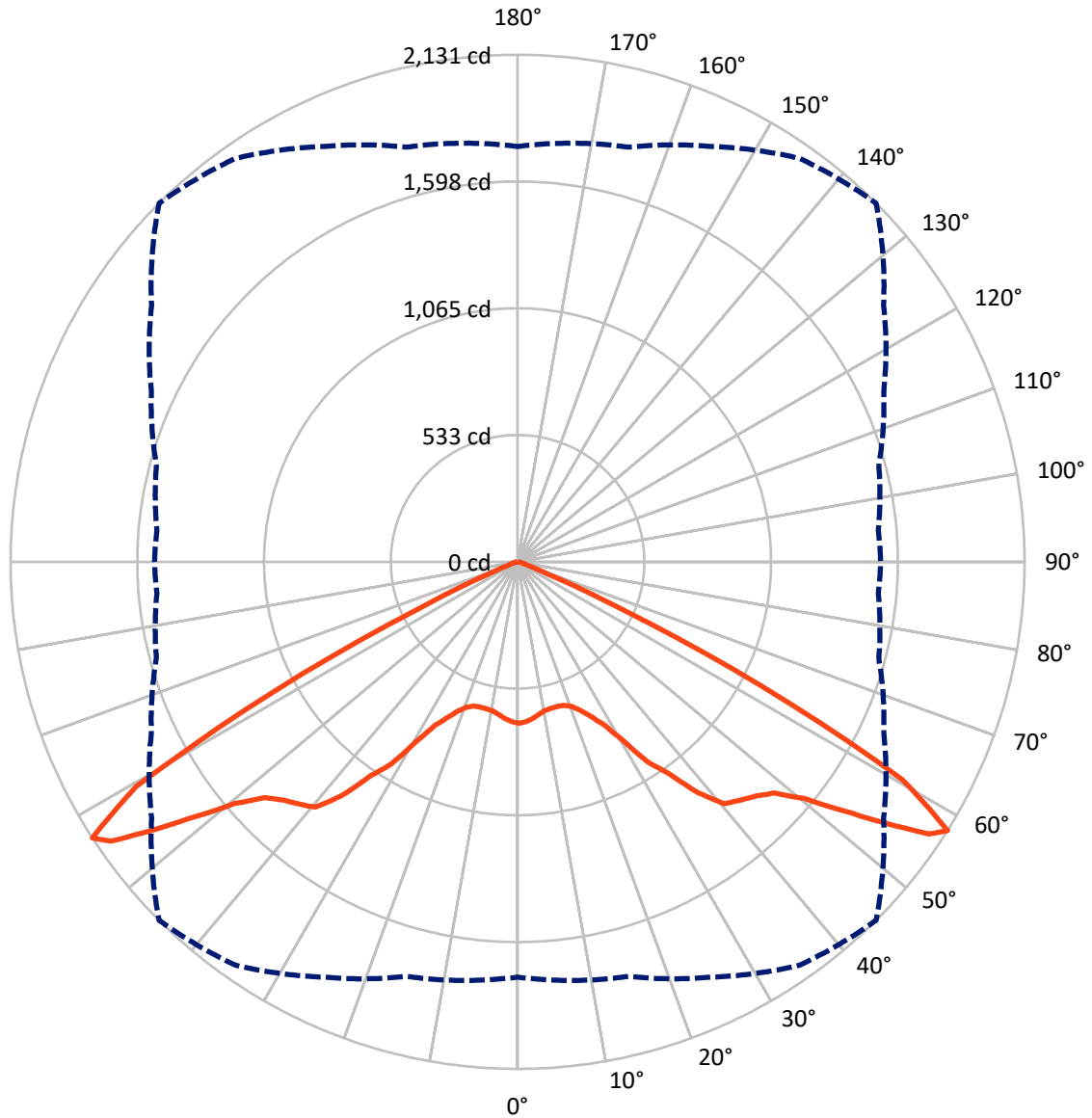
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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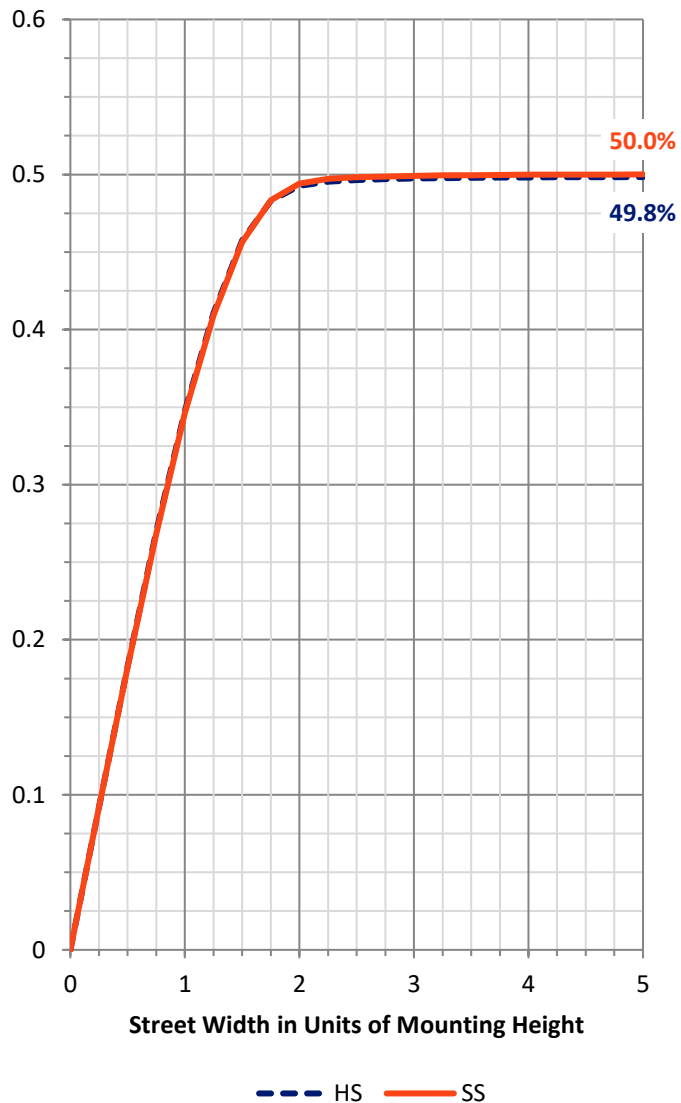
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2184.5	0.0	2184.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2184.5	0.0	2184.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4369.0	0.0	4369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.4
10°-20°	180.0	4.1
20°-30°	332.3	7.6
30°-40°	653.4	15.0
40°-50°	1064.3	24.4
50°-60°	1517.8	34.7
60°-70°	525.5	12.0
70°-80°	28.2	0.6
80°-90°	5.3	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°	4369.0	100.0
0°-180°	4369.0	100.0

Coefficient of Utilization

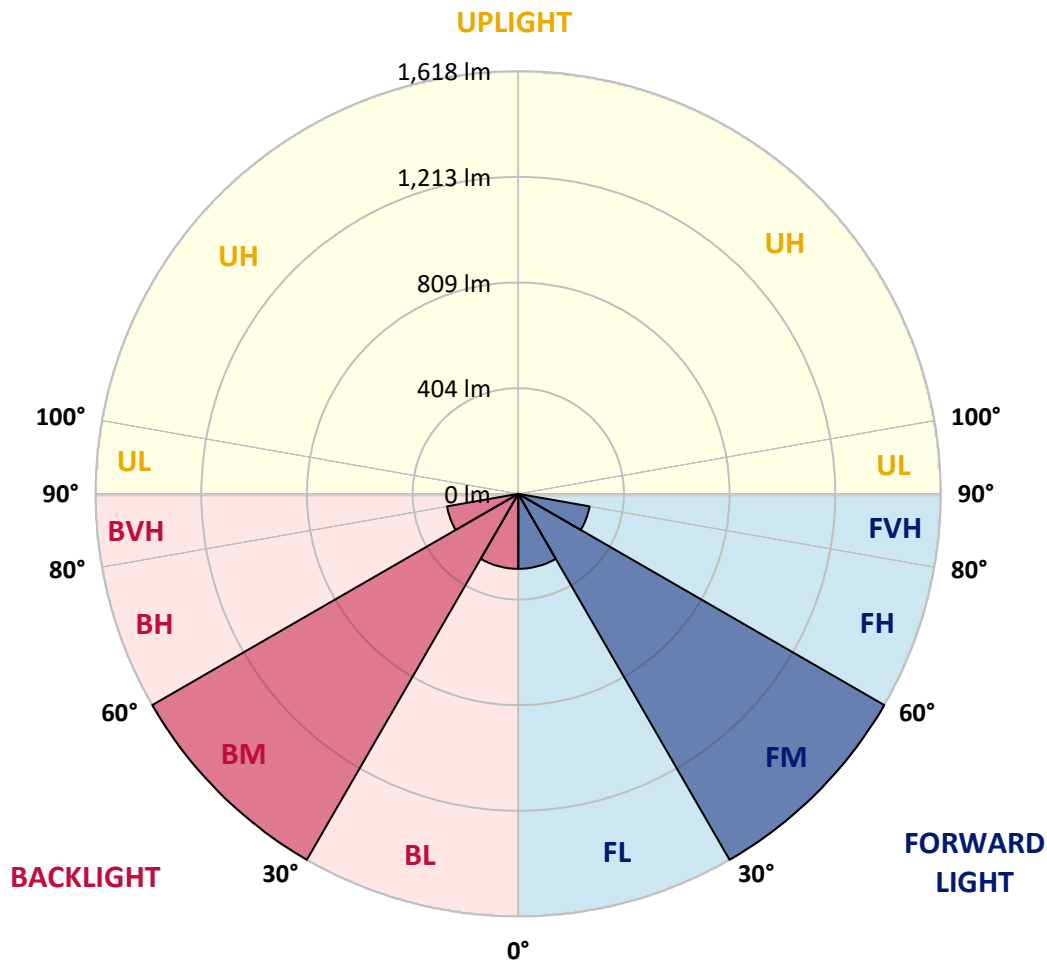


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.3	6.6			
FM (30°-60°)	1617.7	37.0			
FH (60°-80°)	276.8	6.3			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	287.3	6.6	B1/500		
BM (30°-60°)	1617.7	37.0	B2/2500		
BH (60°-80°)	276.8	6.3	B1/500		G0/660
BVH (80°-90°)	2.6	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°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	675.9	679.5	674.9	673.1	672.2	672.2	669.5	669.5	668.6	669.5	665.8
5°	664.9	668.6	668.6	667.7	662.2	661.3	658.5	656.7	657.6	654.0	656.7
7.5°	654.0	656.7	653.1	652.2	650.4	646.7	645.8	637.6	638.5	638.5	640.3
10°	652.2	651.3	645.8	641.2	635.8	634.9	632.1	630.3	630.3	629.4	632.1
12.5°	652.2	647.6	646.7	636.7	627.6	631.2	623.9	619.4	625.8	627.6	631.2
15°	651.3	655.8	640.3	635.8	629.4	630.3	623.9	619.4	623.0	624.8	627.6
17.5°	656.7	654.0	649.4	640.3	637.6	634.0	625.8	622.1	622.1	626.7	627.6
20°	671.3	664.0	654.9	650.4	653.1	648.5	638.5	624.8	628.5	632.1	634.9
22.5°	685.0	679.5	673.1	670.4	685.9	678.6	661.3	645.8	640.3	646.7	651.3
25°	711.4	711.4	699.5	703.2	720.5	721.4	701.4	674.0	670.4	673.1	674.9
27.5°	765.1	767.9	757.8	761.5	768.8	775.1	757.8	735.1	726.9	726.0	728.7
30°	823.4	828.9	828.0	843.5	864.4	868.0	842.5	805.2	780.6	776.1	779.7
32.5°	899.9	902.7	900.8	919.1	975.5	1001.9	935.5	882.6	849.8	858.0	849.8
35°	1043.8	1041.1	1021.1	1024.7	1071.2	1090.3	1026.5	992.8	977.3	993.7	990.1
37.5°	1167.7	1157.7	1141.3	1165.0	1213.3	1230.6	1164.1	1104.9	1076.6	1104.0	1115.8
40°	1272.5	1247.0	1224.2	1247.9	1312.5	1336.2	1238.8	1190.5	1179.6	1199.6	1225.1
42.5°	1360.8	1344.4	1314.4	1316.2	1359.0	1369.9	1291.6	1263.4	1252.4	1284.3	1297.1
45°	1423.7	1408.2	1379.9	1378.1	1410.9	1403.6	1333.5	1314.4	1320.7	1341.7	1348.1
47.5°	1455.5	1463.7	1447.4	1451.9	1469.2	1451.9	1396.3	1396.3	1381.8	1394.5	1388.1
50°	1547.5	1522.0	1543.0	1543.0	1561.2	1563.0	1507.5	1487.4	1448.3	1426.4	1426.4
52.5°	1655.0	1656.8	1665.0	1695.1	1726.1	1752.5	1673.2	1587.6	1522.0	1493.8	1490.2
55°	1743.4	1761.6	1794.4	1850.9	1940.1	1976.6	1839.9	1686.9	1606.8	1563.0	1553.9
56°	1791.7	1774.3	1830.8	1908.2	2024.8	2072.2	1867.3	1706.9	1618.6	1569.4	1568.5
57.5°	1745.2	1764.3	1803.5	1925.6	2068.6	2130.5	1877.3	1697.8	1571.2	1521.1	1525.7
60°	1378.1	1396.3	1449.2	1585.8	1809.9	1858.1	1588.5	1400.0	1287.0	1215.1	1216.0
62.5°	779.7	793.4	834.3	961.0	1100.3	1146.8	990.1	864.4	786.1	746.0	733.2
65°	286.9	281.5	287.8	352.5	438.1	477.3	411.7	347.9	307.0	292.4	286.9
67.5°	107.5	99.3	92.9	99.3	124.8	132.1	121.1	101.1	94.7	97.5	99.3
70°	66.5	62.8	50.1	47.4	46.5	45.5	48.3	51.0	58.3	68.3	70.1
72.5°	46.5	43.7	35.5	33.7	31.9	31.0	35.5	39.2	45.5	52.8	53.7
75°	18.2	19.1	18.2	20.0	20.9	21.9	25.5	28.2	31.0	31.0	30.1
77.5°	3.6	3.6	5.5	7.3	9.1	11.8	17.3	20.0	20.9	20.0	17.3
80°	0.0	0.0	1.8	3.6	7.3	10.0	15.5	17.3	19.1	17.3	13.7
82.5°	0.0	0.0	1.8	4.6	7.3	9.1	14.6	18.2	20.9	19.1	14.6
85°	0.0	0.0	1.8	3.6	5.5	6.4	6.4	4.6	4.6	2.7	1.8
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)