

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: P526533

Luminaire Tested: **GALN-SA1C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4450 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

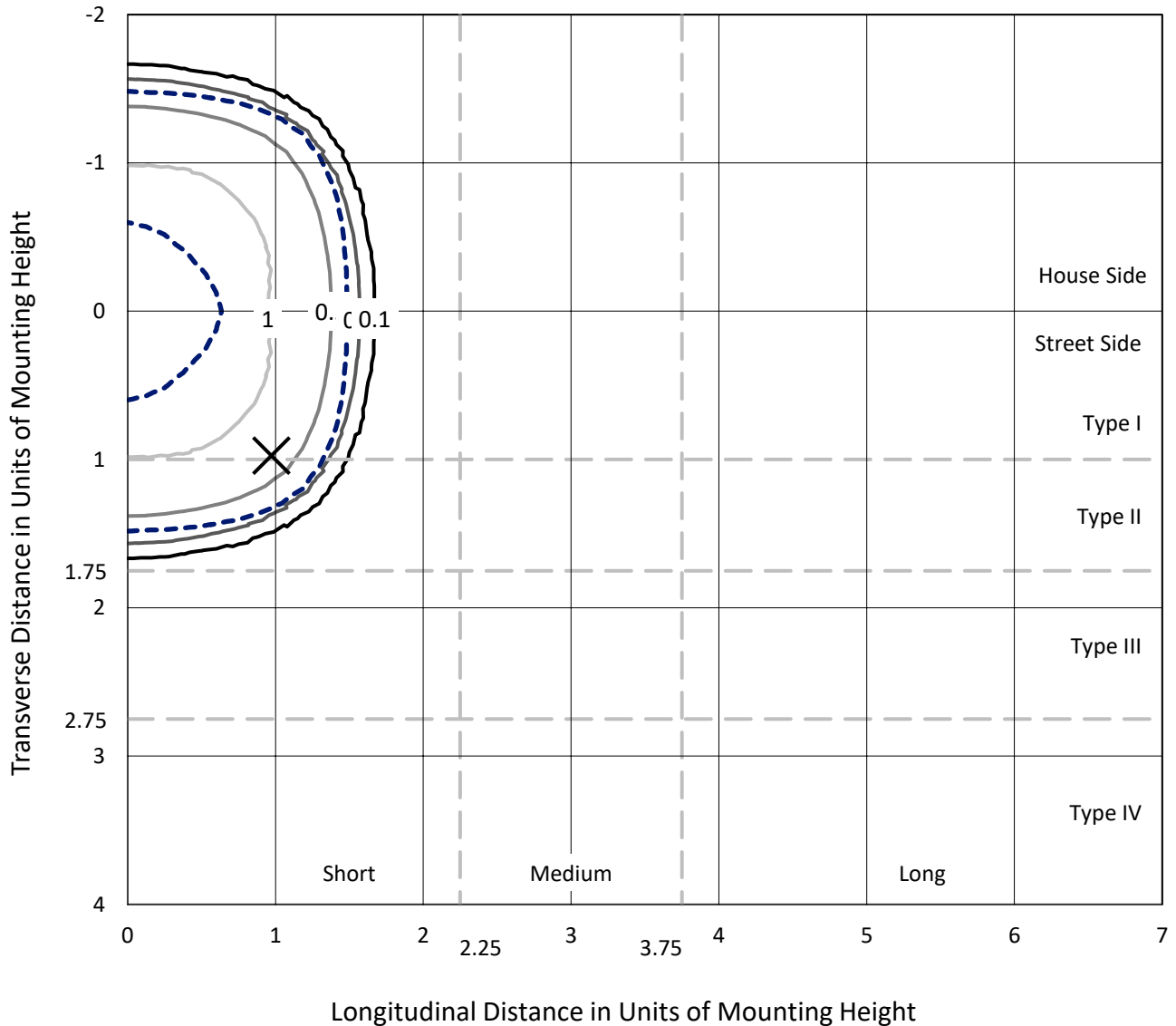
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

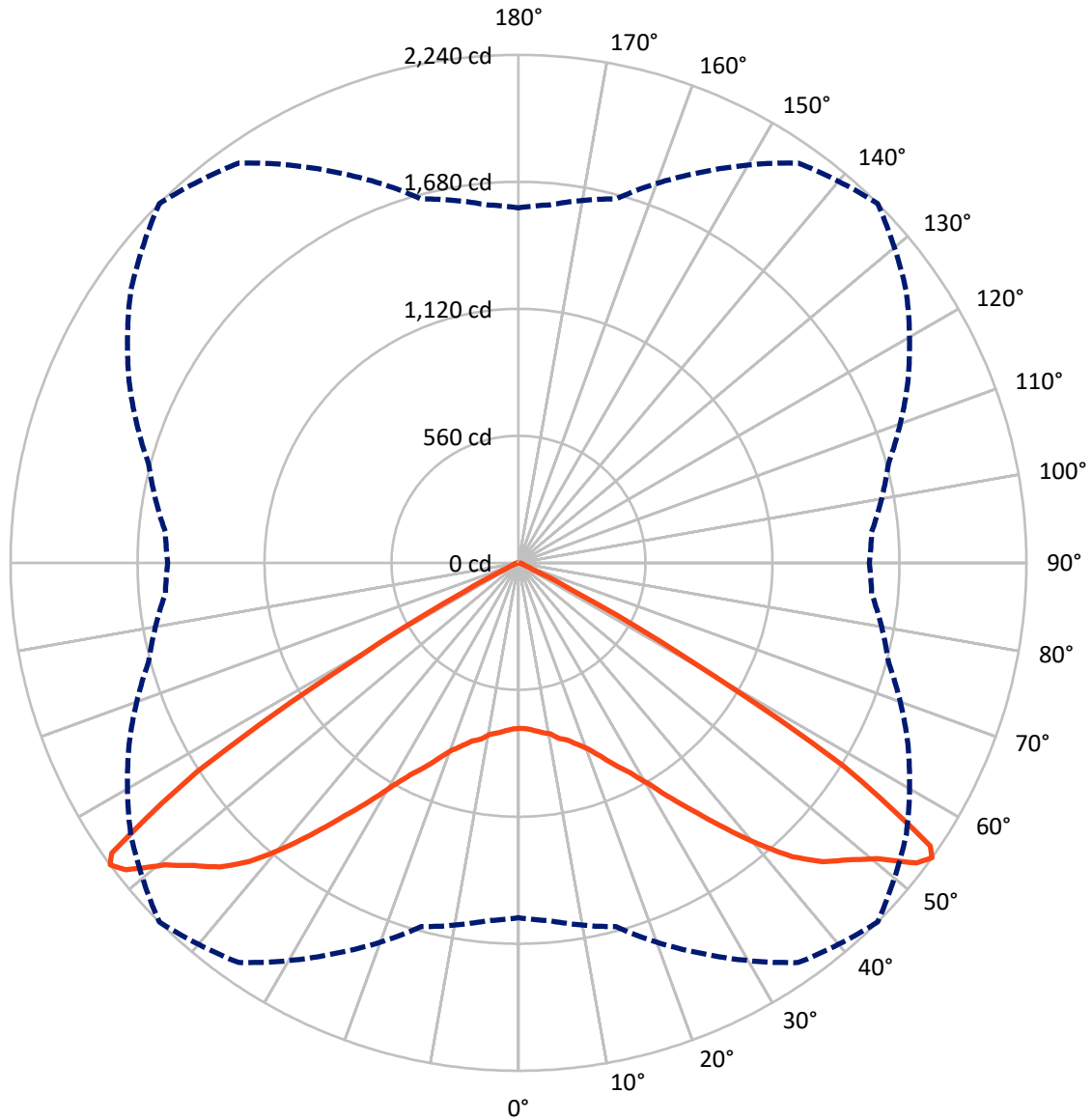
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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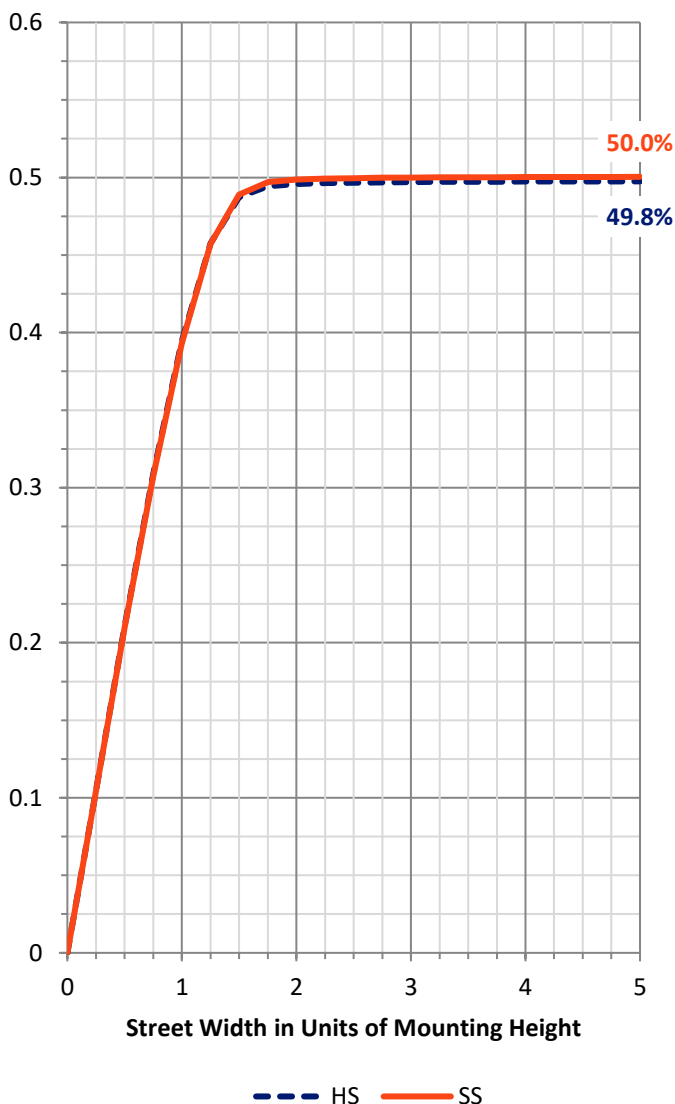
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2225.0	0.0	2225.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2225.0	0.0	2225.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4450.0	0.0	4450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.6
10°-20°	231.3	5.2
20°-30°	453.3	10.2
30°-40°	815.1	18.3
40°-50°	1395.3	31.4
50°-60°	1350.1	30.3
60°-70°	115.6	2.6
70°-80°	13.7	0.3
80°-90°	4.3	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°	4450.0	100.0
0°-180°	4450.0	100.0

Coefficient of Utilization

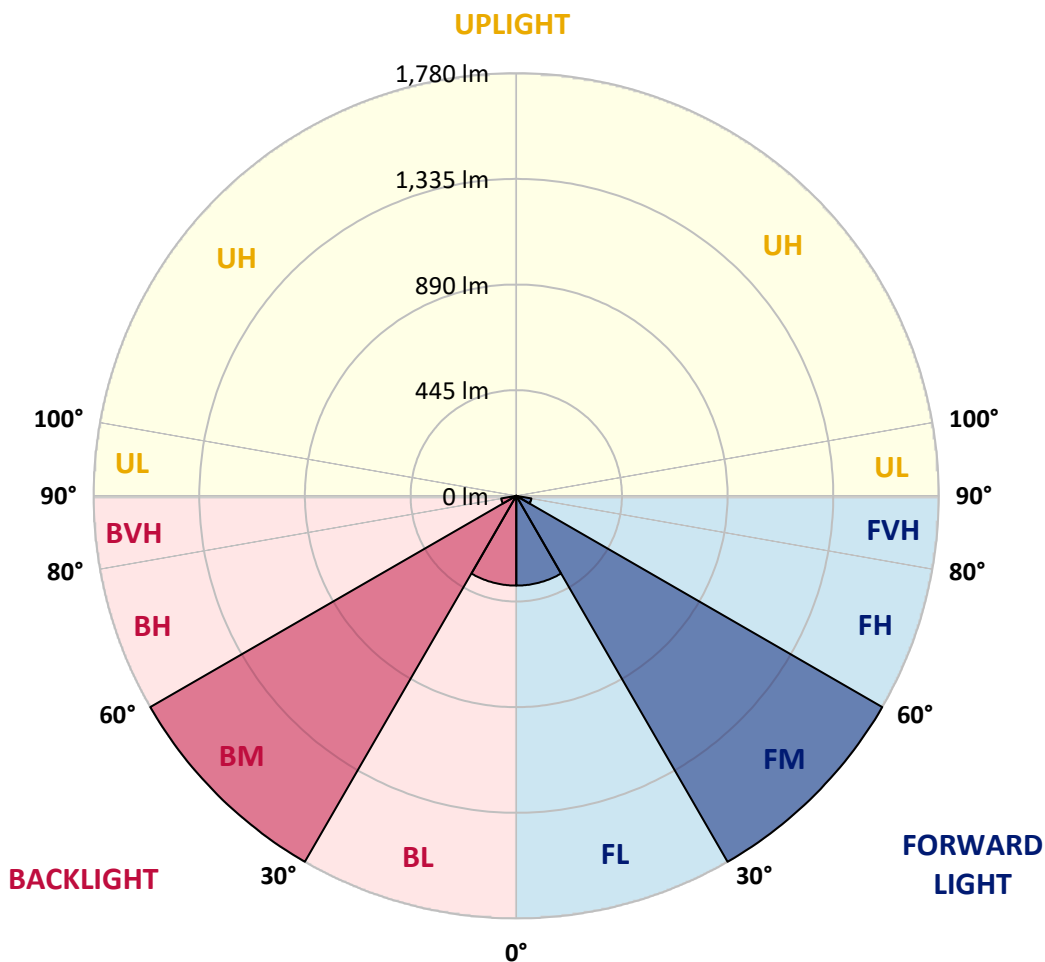


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.0	8.5			
FM (30°-60°)	1780.2	40.0			
FH (60°-80°)	64.6	1.5			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	378.0	8.5	B1/500		
BM (30°-60°)	1780.2	40.0	B2/2500		
BH (60°-80°)	64.6	1.5	B0/110		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°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	733.2	737.4	734.6	736.7	736.7	733.2	735.3	726.8	732.5	728.3	729.0
5°	744.5	743.8	743.8	744.5	741.6	743.1	740.2	737.4	735.3	732.5	740.9
7.5°	758.6	758.6	753.6	755.0	753.6	755.7	750.1	744.5	742.4	740.2	738.8
10°	772.0	770.6	768.4	774.8	769.8	767.0	764.2	760.7	752.9	750.1	747.3
12.5°	791.7	791.0	788.2	794.5	791.7	794.5	783.9	774.8	773.4	764.2	769.1
15°	815.0	821.3	816.4	816.4	815.0	811.4	807.2	803.0	790.3	786.8	787.5
17.5°	845.3	843.2	843.9	843.9	850.9	841.8	833.3	822.7	816.4	814.3	807.2
20°	874.2	877.0	876.3	881.2	885.5	875.6	866.4	865.0	847.4	850.2	840.3
22.5°	924.9	922.8	926.4	929.9	927.1	925.6	917.2	906.6	891.1	884.1	882.6
25°	978.5	975.0	968.7	977.1	981.3	987.7	971.5	965.8	941.9	931.3	932.0
27.5°	1024.3	1029.3	1036.3	1039.9	1050.4	1048.3	1037.0	1018.7	1000.4	988.4	980.6
30°	1087.1	1089.9	1101.9	1106.8	1125.2	1130.1	1112.5	1091.3	1058.9	1043.4	1034.2
32.5°	1144.9	1164.6	1163.9	1188.6	1218.2	1238.7	1206.9	1174.5	1142.1	1123.7	1107.5
35°	1238.7	1235.1	1255.6	1281.7	1329.6	1352.9	1318.3	1281.0	1231.6	1202.0	1189.3
37.5°	1326.1	1327.5	1355.0	1396.6	1451.6	1487.5	1457.2	1395.9	1345.1	1307.0	1289.4
40°	1453.0	1455.8	1484.0	1531.2	1593.3	1632.0	1596.8	1534.8	1467.1	1437.5	1437.5
42.5°	1601.7	1613.7	1632.0	1672.9	1728.6	1771.6	1739.9	1691.3	1622.9	1584.8	1590.5
45°	1754.7	1760.4	1772.3	1833.0	1859.1	1880.2	1850.6	1828.0	1782.2	1735.7	1727.9
47.5°	1897.8	1899.9	1935.2	1954.2	1974.7	1957.0	1976.1	1946.5	1895.0	1849.9	1840.7
50°	1961.3	1957.7	2007.8	2065.6	2081.1	2050.1	2033.9	2014.1	1935.9	1881.6	1857.6
52.5°	1776.6	1797.0	1890.1	2050.8	2172.1	2198.1	2103.7	2012.7	1866.8	1761.1	1744.8
54°	1565.1	1584.1	1660.9	1899.2	2151.6	2239.7	2087.5	1894.3	1688.4	1563.0	1546.7
55°	1355.7	1334.5	1474.1	1717.3	2055.7	2203.1	2023.3	1741.3	1505.9	1390.9	1368.4
57.5°	733.9	737.4	855.1	1085.0	1444.5	1689.1	1491.8	1178.0	889.7	760.7	749.4
60°	232.6	238.3	289.7	438.5	690.2	824.1	706.4	473.0	327.1	262.3	251.7
62.5°	72.6	75.4	82.5	122.7	188.9	270.0	211.5	126.9	94.5	86.7	88.1
65°	44.4	44.4	45.1	47.9	56.4	65.6	63.4	55.7	53.6	52.2	51.5
67.5°	28.9	28.2	29.6	31.7	33.1	33.8	36.0	38.1	37.4	36.0	36.0
70°	17.6	16.9	18.3	21.1	21.9	23.3	25.4	28.2	27.5	26.1	26.8
72.5°	9.9	9.9	10.6	12.7	14.8	16.2	18.3	20.4	21.1	20.4	20.4
75°	3.5	4.2	5.6	7.8	9.2	11.3	13.4	15.5	17.6	16.2	15.5
77.5°	1.4	1.4	2.8	4.9	7.0	9.2	12.7	14.8	16.2	14.8	13.4
80°	0.7	0.7	2.1	4.2	6.3	8.5	10.6	12.7	13.4	12.0	10.6
82.5°	0.7	0.7	2.1	4.2	6.3	7.8	11.3	12.7	14.1	12.7	10.6
85°	0.0	0.7	2.1	4.2	5.6	6.3	6.3	4.2	3.5	2.1	2.1
87.5°	0.0	0.0	0.7	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)