

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: P526300

Luminaire Tested: **GALN-SA1B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4723 lumens
Efficiency: N/A
Efficacy: 107.3 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

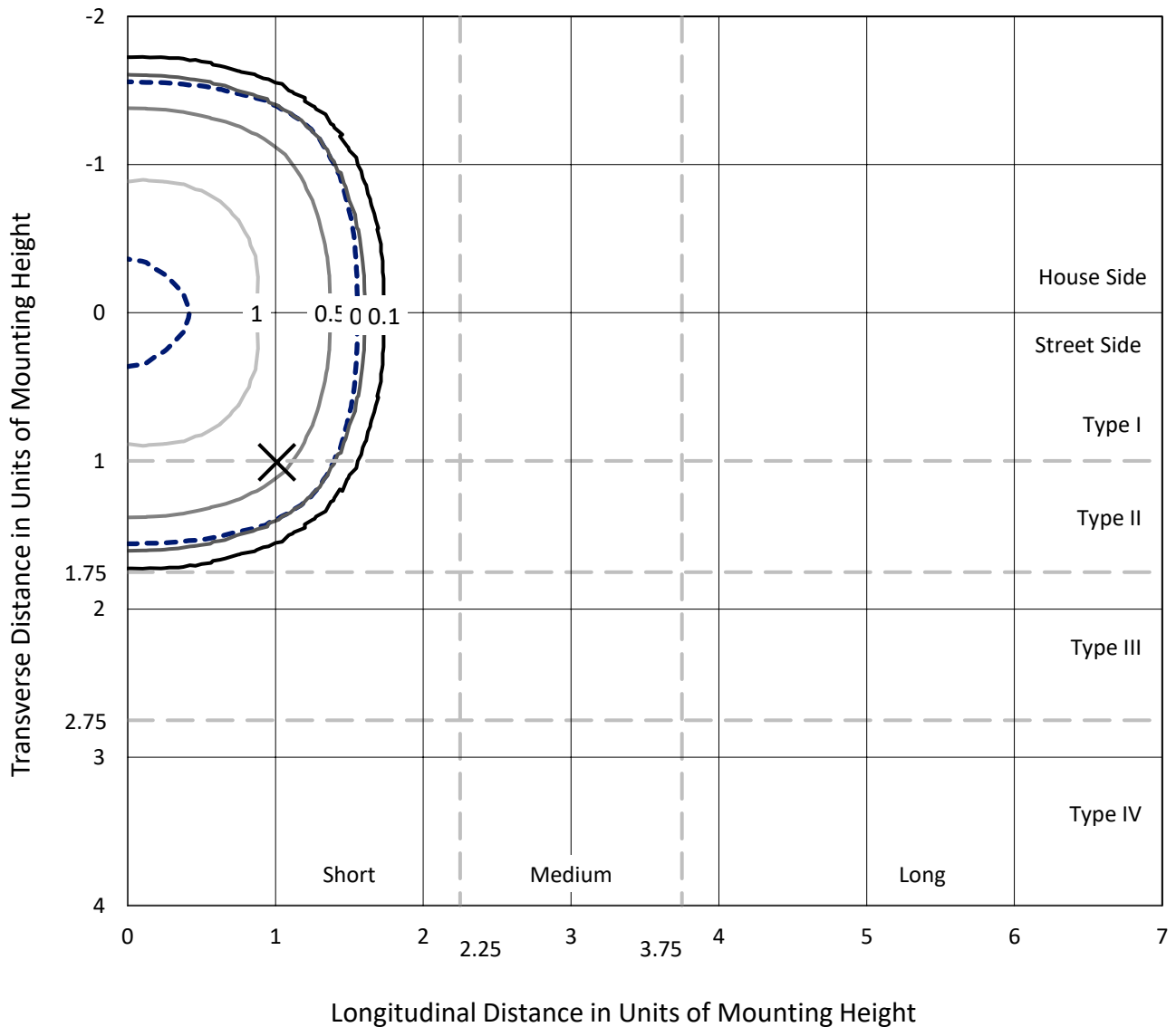
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

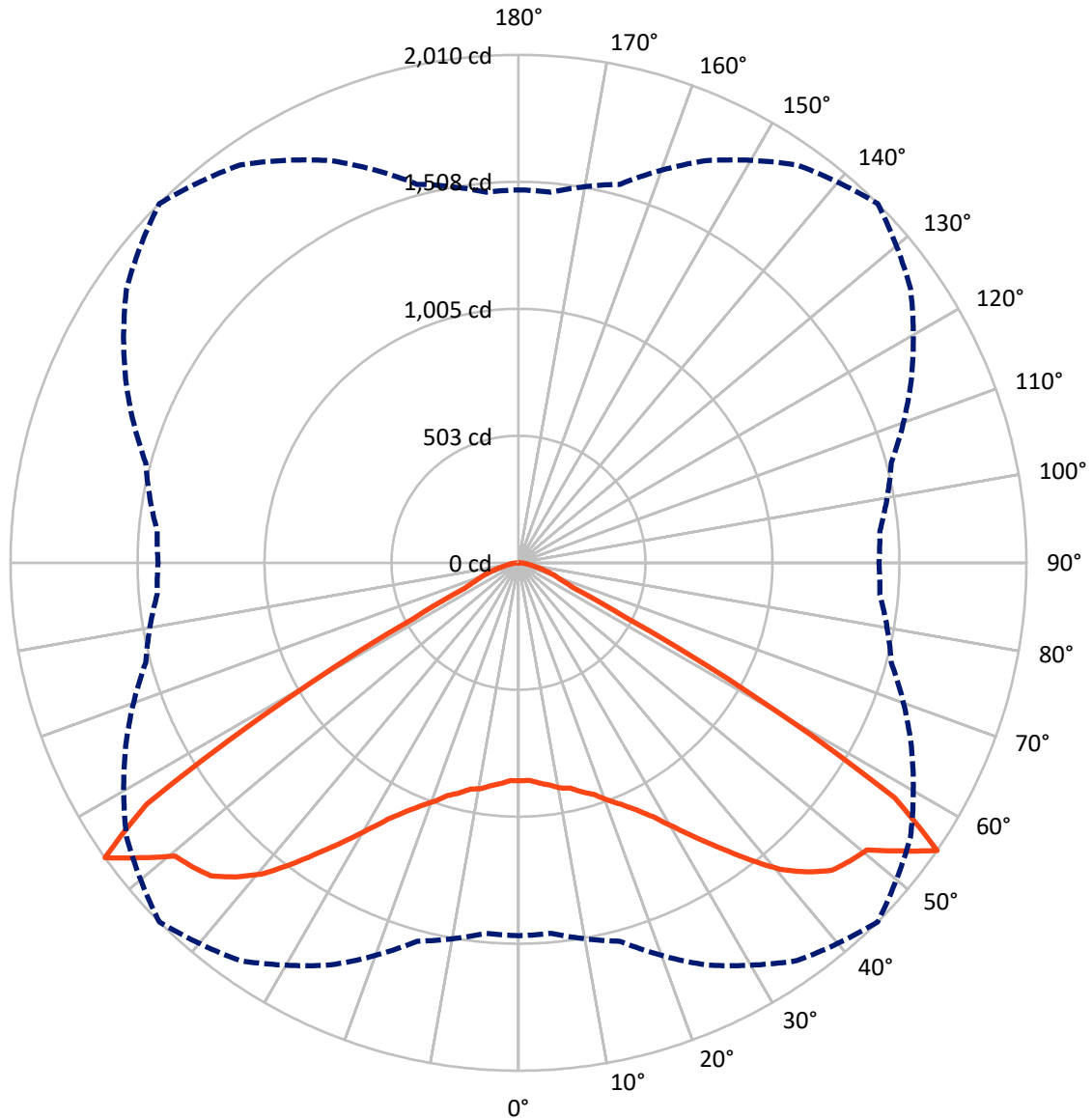
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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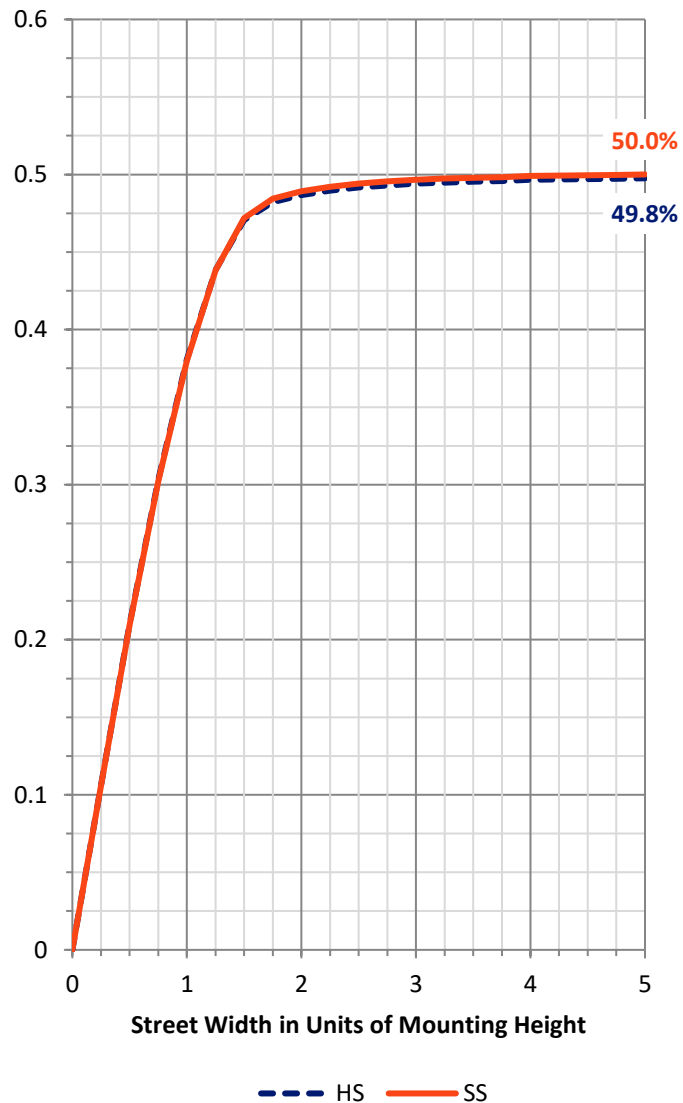
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2361.5	0.0	2361.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2361.5	0.0	2361.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4723.0	0.0	4723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	1.8
10°-20°	266.9	5.7
20°-30°	497.7	10.5
30°-40°	833.4	17.6
40°-50°	1296.8	27.5
50°-60°	1346.5	28.5
60°-70°	285.5	6.0
70°-80°	94.0	2.0
80°-90°	17.9	0.4
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°	4723.0	100.0
0°-180°	4723.0	100.0

Coefficient of Utilization

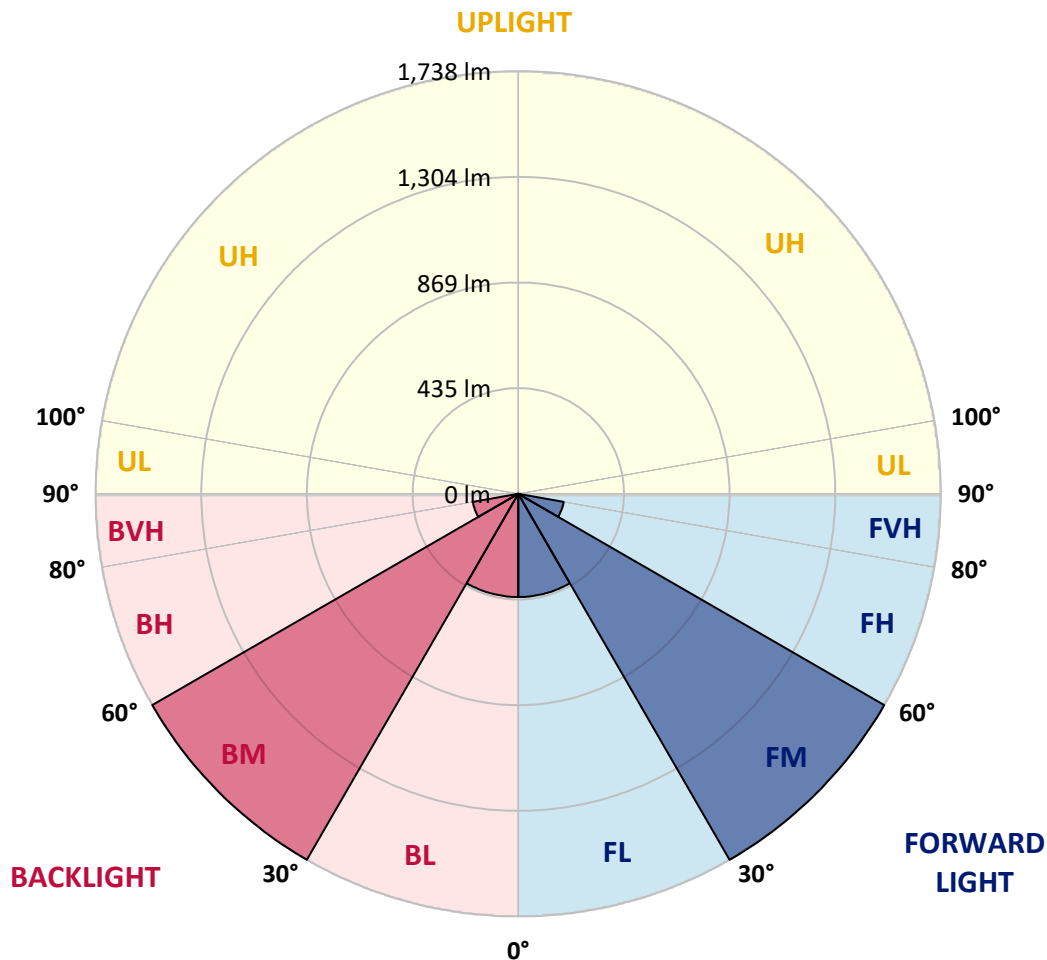


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.5	9.0			
FM (30°-60°)	1738.3	36.8			
FH (60°-80°)	189.8	4.0			G0/660
FVH (80°-90°)	9.0	0.2			G0/10
BL (0°-30°)	424.5	9.0	B1/500		
BM (30°-60°)	1738.3	36.8	B2/2500		
BH (60°-80°)	189.8	4.0	B1/500		G0/660
BVH (80°-90°)	9.0	0.2			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°	862.3	862.3	862.3	862.3	862.3	862.3	862.3	862.3	862.3	862.3	862.3
2.5°	872.6	868.6	861.8	866.9	870.9	862.3	865.8	867.5	866.3	861.8	863.5
5°	885.2	882.9	877.2	881.2	876.0	876.0	872.6	868.1	874.9	873.8	876.6
7.5°	885.2	882.3	893.7	886.3	888.6	888.6	882.9	878.3	881.8	876.6	873.8
10°	902.9	906.9	901.7	903.4	902.3	906.3	897.7	894.9	892.0	890.3	886.9
12.5°	924.0	921.1	922.8	921.7	925.7	915.4	910.3	904.0	909.1	901.7	906.9
15°	941.1	939.4	941.1	945.7	941.7	941.1	932.0	925.7	917.7	919.4	911.4
17.5°	964.5	962.8	963.4	967.4	966.8	963.9	957.1	945.1	942.2	937.7	932.5
20°	999.3	996.5	995.3	997.0	999.9	1002.2	988.5	983.9	974.2	966.8	958.2
22.5°	1029.0	1027.9	1032.4	1025.0	1031.3	1038.1	1025.0	1022.7	998.8	994.8	985.6
25°	1070.1	1068.4	1065.5	1076.4	1083.8	1083.2	1070.7	1058.1	1039.8	1035.3	1035.3
27.5°	1113.5	1103.8	1118.6	1121.5	1134.6	1138.6	1127.7	1109.5	1092.3	1082.6	1084.9
30°	1167.7	1158.6	1162.0	1182.5	1199.6	1214.5	1187.1	1160.3	1136.3	1119.2	1116.3
32.5°	1221.9	1212.8	1223.0	1243.0	1277.3	1299.5	1272.7	1225.9	1197.9	1172.8	1178.0
35°	1265.8	1272.7	1289.2	1319.5	1354.9	1390.8	1348.0	1312.1	1272.1	1244.2	1248.2
37.5°	1336.6	1357.7	1370.9	1405.7	1455.9	1493.0	1448.5	1401.7	1358.9	1322.3	1309.8
40°	1429.1	1443.3	1458.2	1499.3	1558.6	1595.7	1553.5	1492.4	1450.2	1412.5	1410.8
42.5°	1530.7	1544.4	1559.8	1610.0	1645.4	1673.3	1634.5	1602.0	1555.2	1525.5	1523.8
45°	1648.8	1639.1	1656.2	1689.3	1719.0	1737.3	1712.1	1696.2	1662.5	1635.1	1632.2
47.5°	1727.6	1719.0	1749.8	1779.5	1784.1	1764.1	1769.2	1784.1	1748.7	1703.6	1717.9
50°	1773.2	1773.2	1793.8	1821.1	1812.6	1786.9	1827.4	1828.6	1793.2	1753.2	1753.2
52.5°	1693.9	1711.6	1769.8	1859.4	1887.9	1895.3	1886.2	1847.4	1754.9	1673.3	1669.3
55°	1475.9	1471.9	1550.6	1756.1	1922.2	2010.1	1893.6	1715.0	1527.2	1435.3	1426.2
57.5°	959.9	964.5	1082.1	1291.5	1591.2	1754.9	1558.6	1307.5	1082.1	955.4	967.4
60°	432.0	447.4	518.8	675.2	932.5	1066.1	934.8	709.4	544.5	472.6	478.8
62.5°	248.3	251.1	254.0	301.3	397.2	469.7	412.6	318.5	280.8	268.2	268.2
65°	209.5	207.7	208.3	212.3	222.6	237.4	231.1	222.6	223.7	222.6	220.9
67.5°	178.1	180.3	178.6	181.5	182.1	184.3	188.3	191.8	192.3	193.5	192.3
70°	146.1	146.7	147.8	150.1	150.7	152.4	158.1	160.9	162.7	162.7	164.9
72.5°	111.9	111.3	112.4	114.7	117.6	118.1	123.3	127.3	129.6	126.7	127.3
75°	73.6	74.2	75.9	77.6	81.6	85.6	87.3	91.3	91.9	93.0	90.2
77.5°	43.9	45.1	46.8	50.2	53.6	57.1	61.1	63.9	65.1	63.9	60.5
80°	28.5	28.5	30.8	33.7	37.7	40.5	42.8	45.1	46.8	45.1	43.9
82.5°	17.7	17.7	20.5	24.0	26.8	28.5	32.0	34.8	36.5	35.4	33.7
85°	9.1	9.7	12.0	14.8	17.1	18.3	17.7	16.0	14.3	13.7	12.6
87.5°	2.9	2.9	3.4	3.4	2.9	2.9	3.4	2.9	3.4	3.4	3.4
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)