

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: P526377

Luminaire Tested: **GALN-SA1B-750-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526377
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-SA1B-750-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA 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: 3955 lumens
Efficiency: N/A
Efficacy: 89.9 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

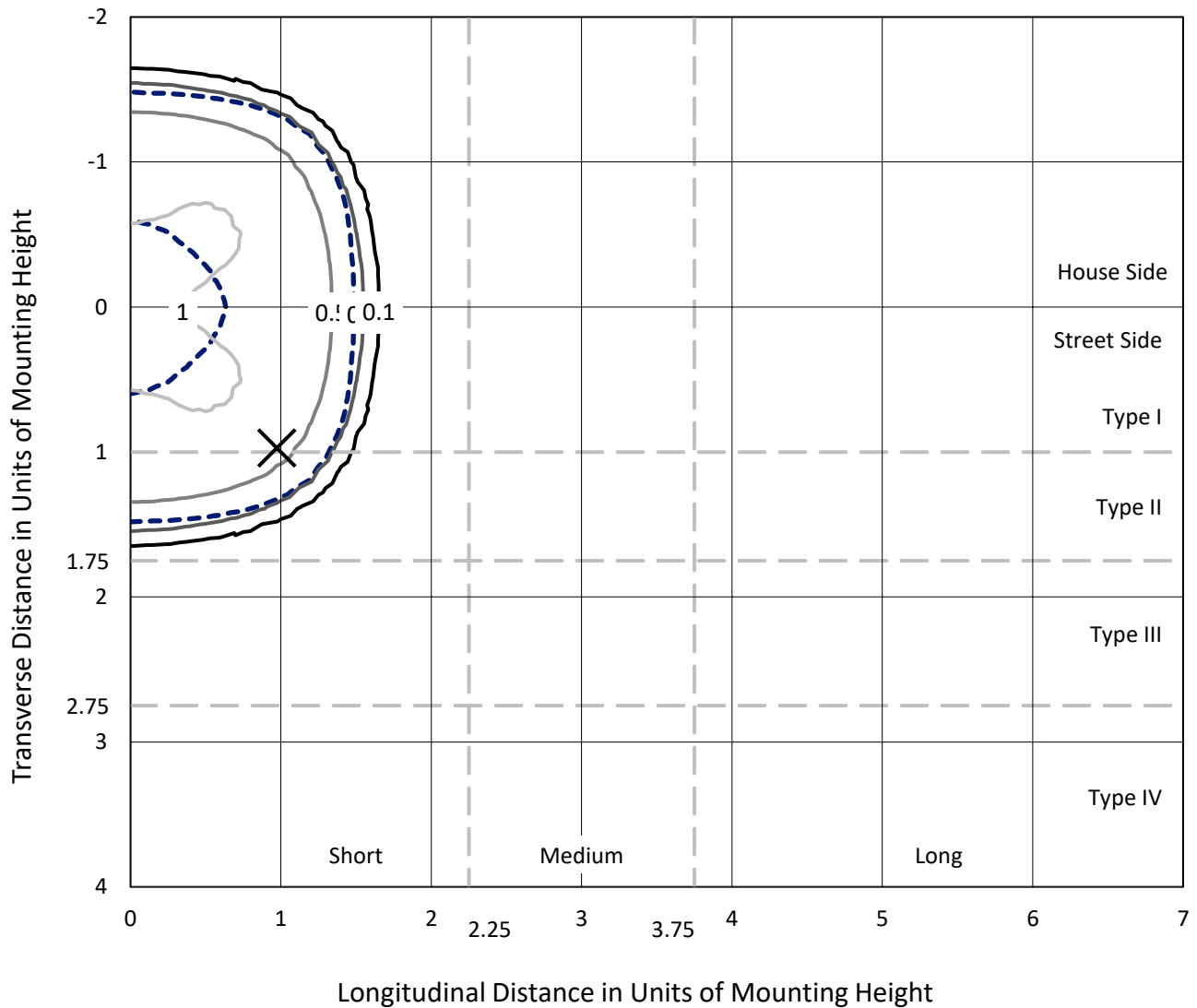
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

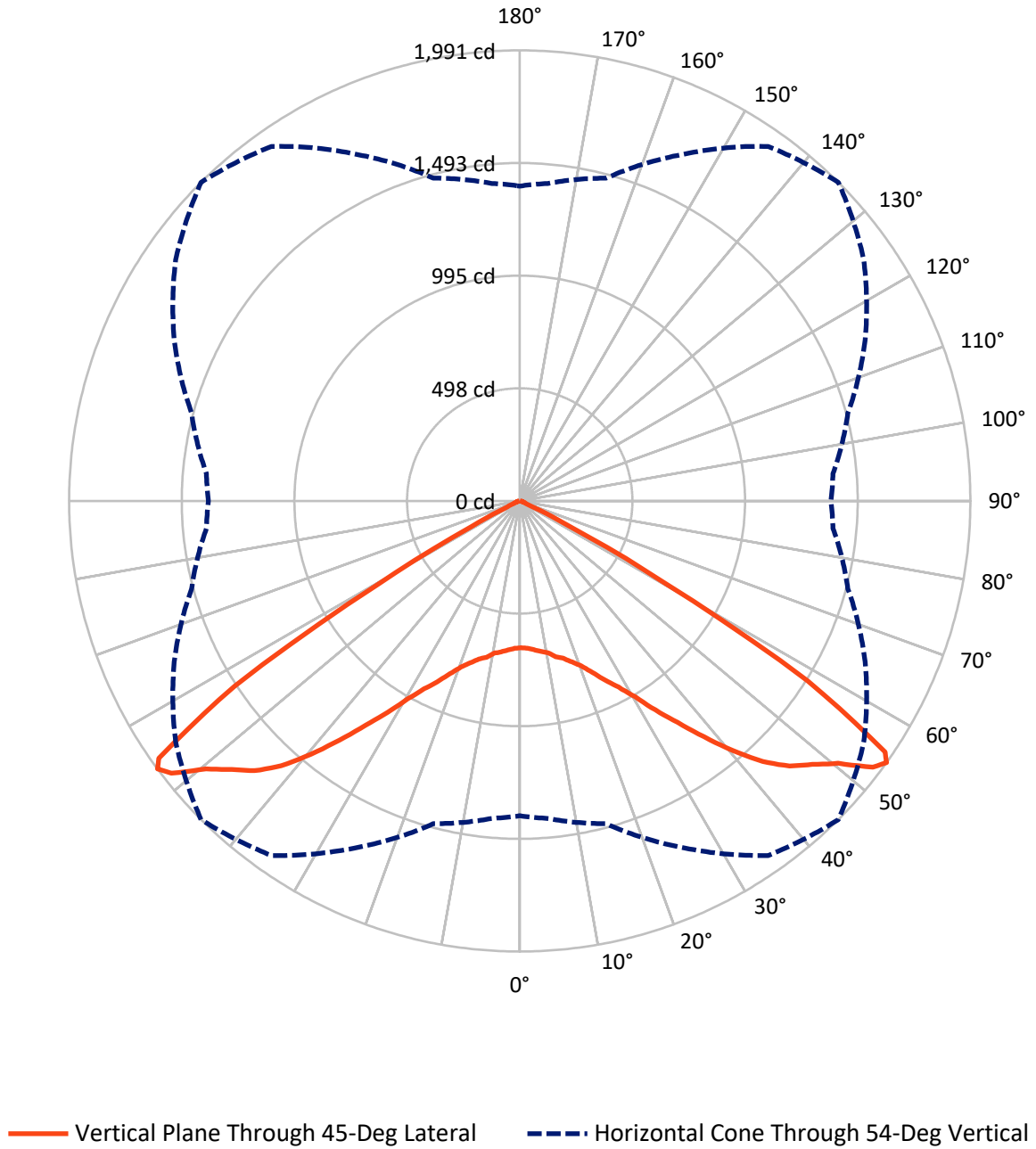
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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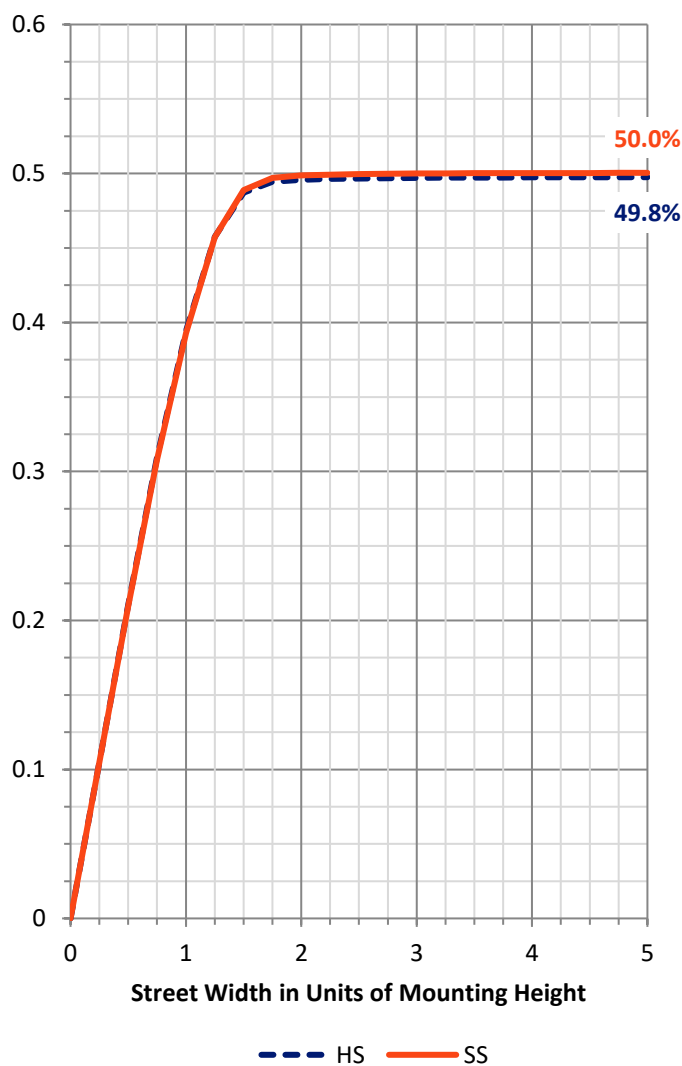
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1977.5	0.0	1977.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1977.5	0.0	1977.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3955.0	0.0	3955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.6
10°-20°	205.5	5.2
20°-30°	402.9	10.2
30°-40°	724.4	18.3
40°-50°	1240.1	31.4
50°-60°	1199.9	30.3
60°-70°	102.7	2.6
70°-80°	12.2	0.3
80°-90°	3.8	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°	3955.0	100.0
0°-180°	3955.0	100.0

Coefficient of Utilization



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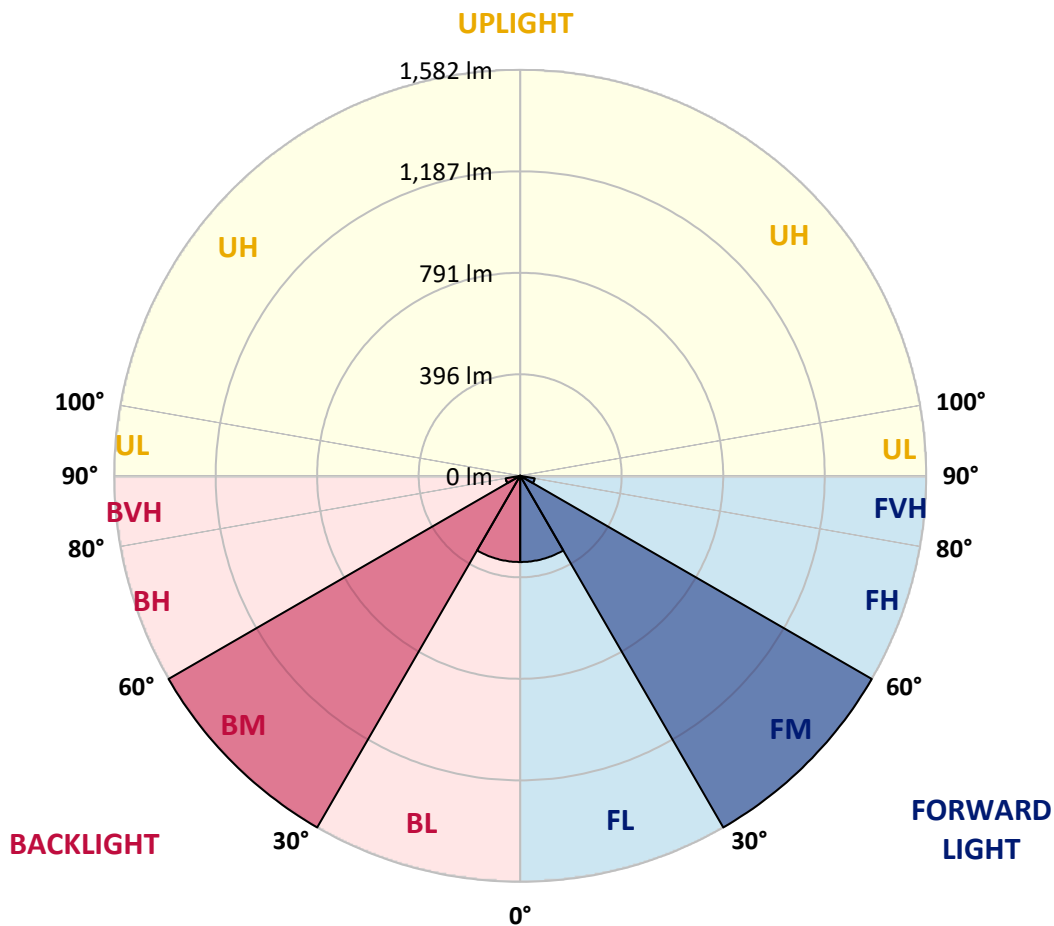
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.9	8.5			
FM (30°-60°)	1582.2	40.0			
FH (60°-80°)	57.5	1.5			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	335.9	8.5	B1/500		
BM (30°-60°)	1582.2	40.0	B2/2500		
BH (60°-80°)	57.5	1.5	B0/110		G0/660
BVH (80°-90°)	1.9	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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	651.6	655.4	652.9	654.8	654.8	651.6	653.5	646.0	651.0	647.2	647.9
5°	661.7	661.0	661.0	661.7	659.1	660.4	657.9	655.4	653.5	651.0	658.5
7.5°	674.2	674.2	669.8	671.1	669.8	671.7	666.7	661.7	659.8	657.9	656.6
10°	686.1	684.8	683.0	688.6	684.2	681.7	679.2	676.1	669.2	666.7	664.2
12.5°	703.6	703.0	700.5	706.1	703.6	706.1	696.7	688.6	687.3	679.2	683.6
15°	724.3	730.0	725.6	725.6	724.3	721.2	717.4	713.7	702.4	699.2	699.9
17.5°	751.3	749.4	750.0	750.0	756.3	748.1	740.6	731.2	725.6	723.7	717.4
20°	776.9	779.4	778.8	783.2	787.0	778.2	770.1	768.8	753.1	755.6	746.9
22.5°	822.1	820.2	823.3	826.4	823.9	822.7	815.2	805.8	792.0	785.7	784.5
25°	869.7	866.5	860.9	868.4	872.2	877.8	863.4	858.4	837.1	827.7	828.3
27.5°	910.4	914.8	921.1	924.2	933.6	931.7	921.7	905.4	889.1	878.4	871.6
30°	966.2	968.7	979.3	983.7	1000.0	1004.4	988.7	969.9	941.1	927.3	919.2
32.5°	1017.5	1035.1	1034.5	1056.4	1082.7	1100.9	1072.7	1043.9	1015.0	998.7	984.3
35°	1100.9	1097.7	1115.9	1139.1	1181.7	1202.4	1171.7	1138.5	1094.6	1068.3	1057.0
37.5°	1178.6	1179.8	1204.3	1241.2	1290.1	1322.1	1295.1	1240.6	1195.5	1161.7	1146.0
40°	1291.4	1293.9	1318.9	1360.9	1416.0	1450.5	1419.2	1364.0	1303.9	1277.6	1277.6
42.5°	1423.6	1434.2	1450.5	1486.8	1536.3	1574.6	1546.4	1503.1	1442.4	1408.5	1413.5
45°	1559.5	1564.5	1575.2	1629.1	1652.3	1671.1	1644.7	1624.7	1584.0	1542.6	1535.7
47.5°	1686.7	1688.6	1719.9	1736.8	1755.0	1739.3	1756.3	1730.0	1684.2	1644.1	1636.0
50°	1743.1	1740.0	1784.5	1835.8	1849.6	1822.1	1807.6	1790.1	1720.6	1672.3	1651.0
52.5°	1578.9	1597.1	1679.8	1822.7	1930.5	1953.6	1869.7	1788.8	1659.1	1565.2	1550.8
54°	1391.0	1407.9	1476.2	1688.0	1912.3	1990.6	1855.3	1683.6	1500.6	1389.1	1374.7
55°	1204.9	1186.1	1310.2	1526.3	1827.1	1958.0	1798.2	1547.6	1338.3	1236.2	1216.2
57.5°	652.3	655.4	760.0	964.3	1283.8	1501.3	1325.8	1047.0	790.7	676.1	666.0
60°	206.8	211.8	257.5	389.7	613.4	732.5	627.8	420.4	290.7	233.1	223.7
62.5°	64.5	67.0	73.3	109.0	167.9	240.0	188.0	112.8	84.0	77.1	78.3
65°	39.5	39.5	40.1	42.6	50.1	58.3	56.4	49.5	47.6	46.4	45.7
67.5°	25.7	25.1	26.3	28.2	29.4	30.1	32.0	33.8	33.2	32.0	32.0
70°	15.7	15.0	16.3	18.8	19.4	20.7	22.6	25.1	24.4	23.2	23.8
72.5°	8.8	8.8	9.4	11.3	13.2	14.4	16.3	18.2	18.8	18.2	18.2
75°	3.1	3.8	5.0	6.9	8.1	10.0	11.9	13.8	15.7	14.4	13.8
77.5°	1.3	1.3	2.5	4.4	6.3	8.1	11.3	13.2	14.4	13.2	11.9
80°	0.6	0.6	1.9	3.8	5.6	7.5	9.4	11.3	11.9	10.7	9.4
82.5°	0.6	0.6	1.9	3.8	5.6	6.9	10.0	11.3	12.5	11.3	9.4
85°	0.0	0.6	1.9	3.8	5.0	5.6	5.6	3.8	3.1	1.9	1.9
87.5°	0.0	0.0	0.6	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)