

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: P526280

Luminaire Tested: **GALN-SA1B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219 lumens
Efficiency: N/A
Efficacy: 95.9 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

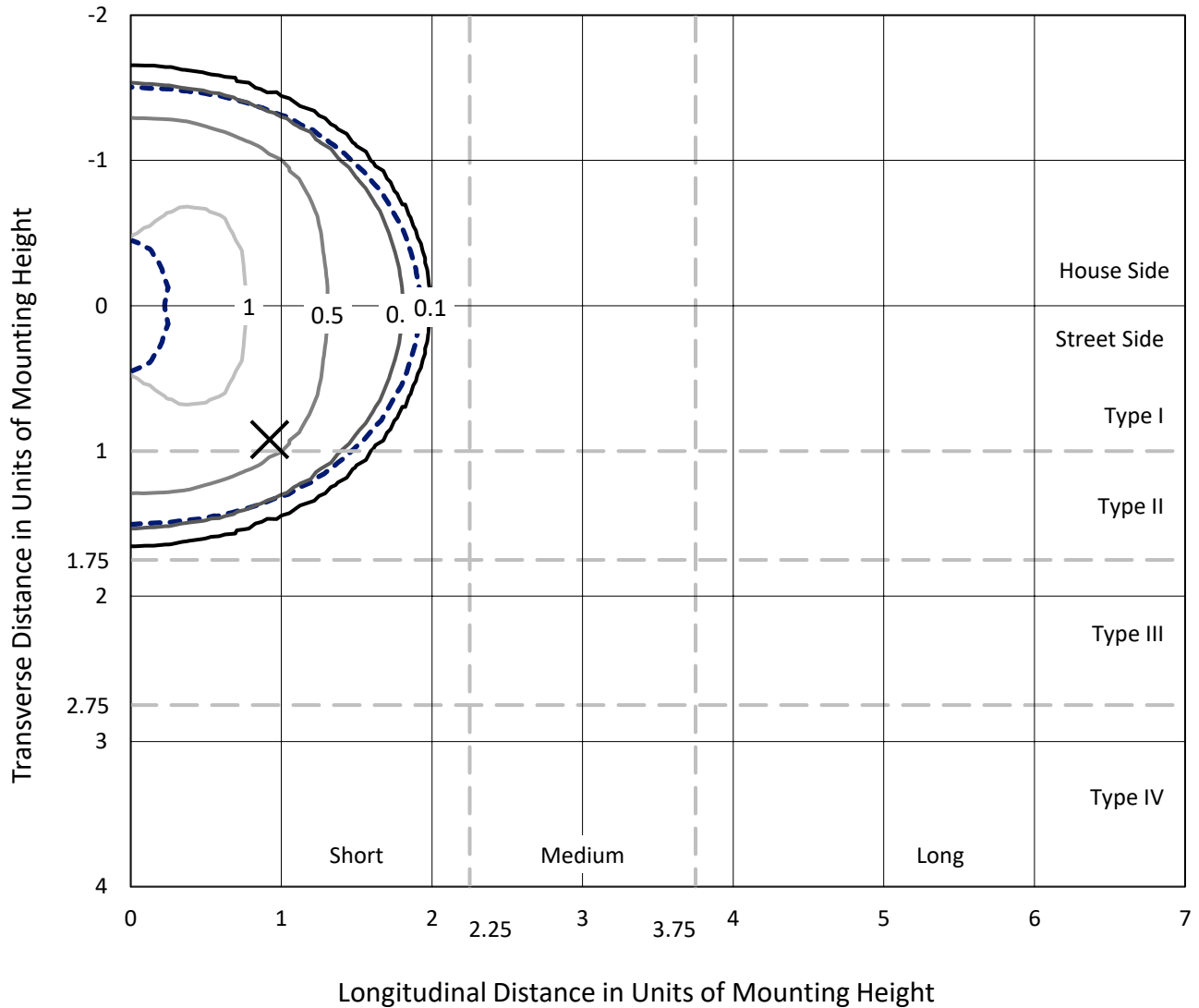
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

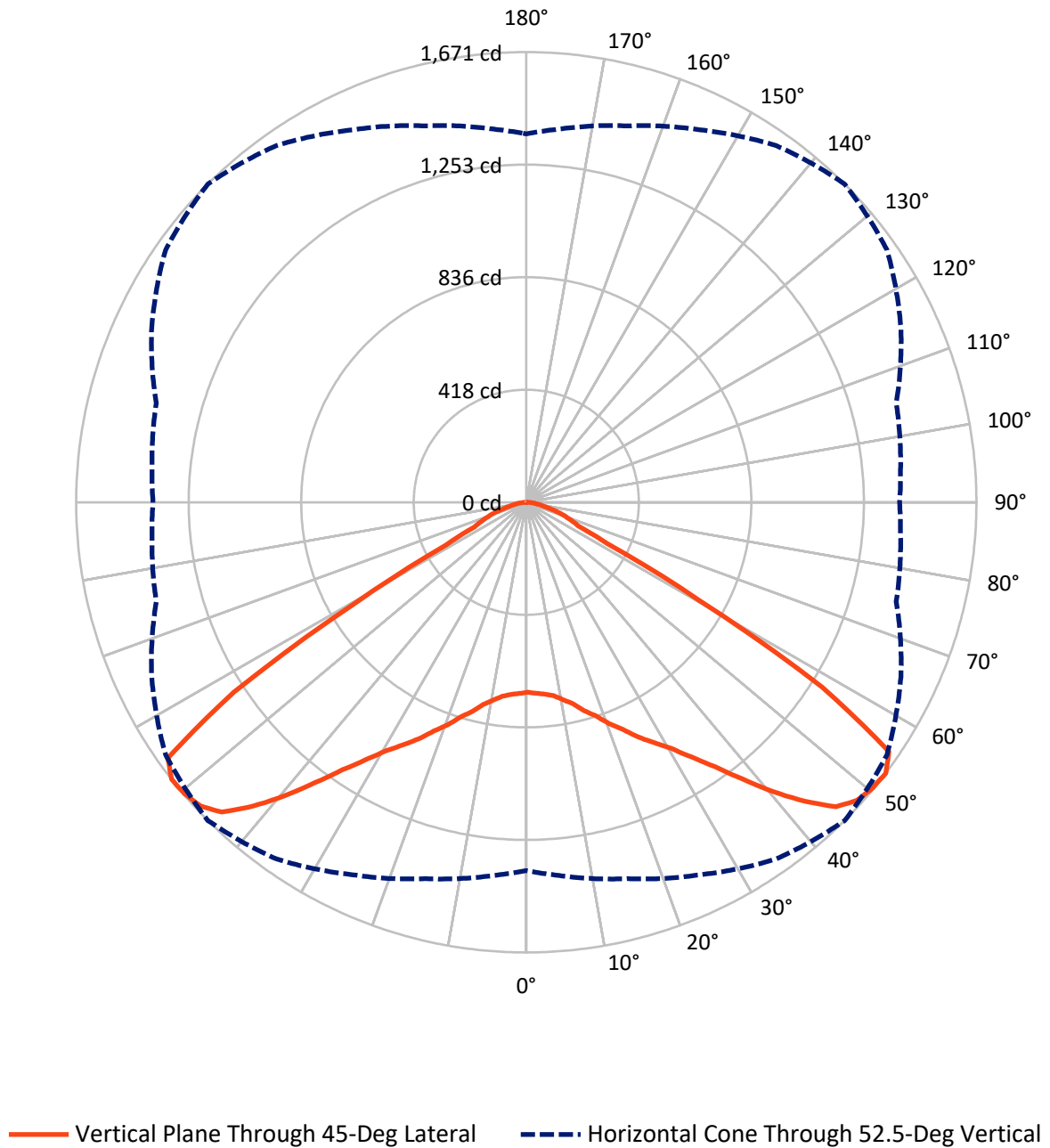
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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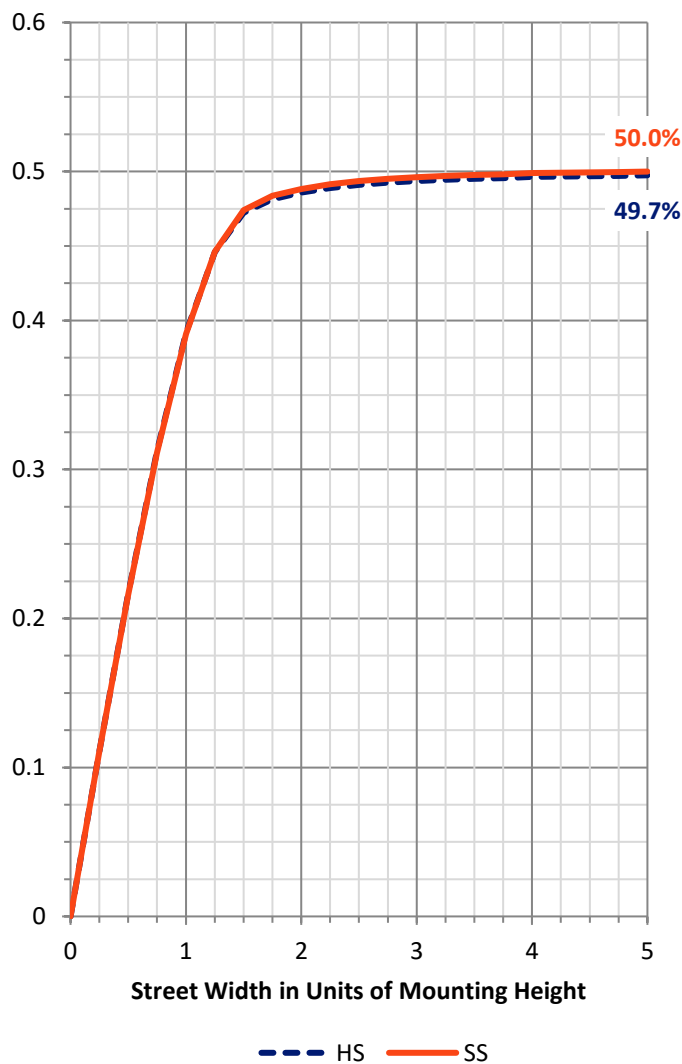
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2109.5	0.0	2109.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2109.5	0.0	2109.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4219.0	0.0	4219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.6
10°-20°	227.7	5.4
20°-30°	433.5	10.3
30°-40°	744.3	17.6
40°-50°	1144.0	27.1
50°-60°	1161.7	27.5
60°-70°	323.8	7.7
70°-80°	95.5	2.3
80°-90°	19.2	0.5
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°	4219.0	100.0
0°-180°	4219.0	100.0

Coefficient of Utilization

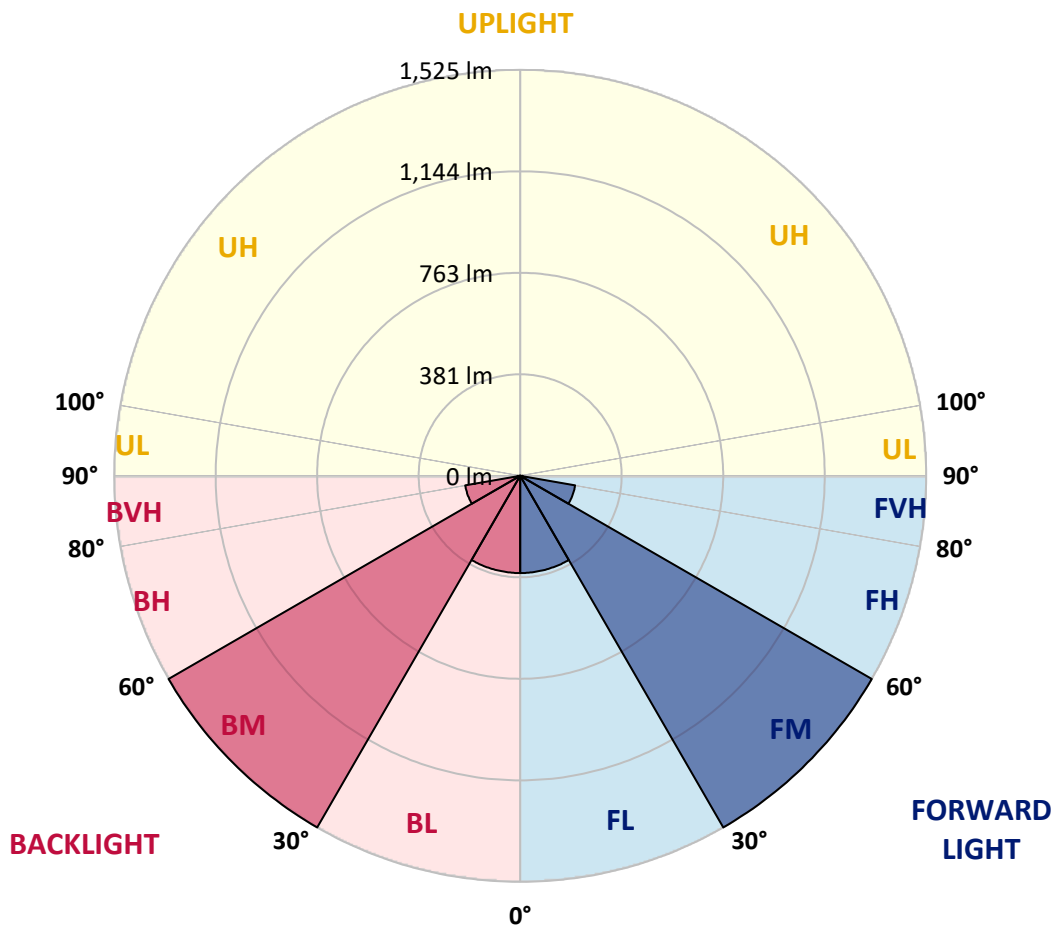


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.2	8.7			
FM (30°-60°)	1525.0	36.1			
FH (60°-80°)	209.6	5.0			G0/660
FVH (80°-90°)	9.6	0.2			G0/10
BL (0°-30°)	365.2	8.7	B1/500		
BM (30°-60°)	1525.0	36.1	B2/2500		
BH (60°-80°)	209.6	5.0	B1/500		G0/660
BVH (80°-90°)	9.6	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°	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3	705.3
2.5°	706.8	699.5	702.1	703.7	710.5	710.0	708.4	710.5	712.6	713.1	712.1
5°	706.3	701.1	703.2	704.7	711.5	715.2	714.2	723.1	729.3	727.8	735.6
7.5°	702.1	705.3	702.6	710.5	716.3	725.2	734.6	743.0	750.8	759.7	761.3
10°	711.5	711.5	716.3	722.5	737.7	744.5	758.1	770.2	785.4	795.8	791.7
12.5°	721.5	723.1	723.1	739.3	751.9	767.0	779.6	795.8	817.3	829.9	836.2
15°	731.4	732.5	737.7	759.7	778.6	802.6	814.2	828.8	840.9	864.4	865.0
17.5°	740.3	746.1	761.8	786.4	810.0	833.0	851.3	866.5	877.0	886.4	884.3
20°	773.9	778.0	794.3	818.9	854.0	876.5	882.8	885.4	892.2	911.0	905.3
22.5°	806.3	807.9	823.1	860.8	885.4	915.2	922.0	920.5	923.1	927.8	936.2
25°	839.8	842.4	863.4	895.3	929.9	965.5	971.2	959.2	955.5	960.8	961.3
27.5°	882.8	883.3	910.0	937.7	977.0	1010.5	1019.4	1010.0	992.7	996.9	1003.7
30°	937.2	933.5	960.2	1000.0	1041.4	1060.2	1075.4	1070.7	1051.9	1048.2	1042.4
32.5°	1000.0	1001.1	1025.2	1068.6	1095.9	1127.3	1143.5	1135.6	1123.6	1117.3	1121.0
35°	1088.5	1093.2	1109.5	1145.6	1189.6	1205.3	1230.9	1214.2	1182.8	1190.6	1197.4
37.5°	1161.3	1174.9	1205.3	1248.2	1274.4	1303.2	1312.6	1290.1	1267.1	1257.6	1280.2
40°	1272.8	1268.6	1302.1	1345.1	1383.8	1412.6	1400.6	1378.1	1321.0	1321.5	1327.8
42.5°	1368.6	1370.7	1396.4	1447.7	1500.6	1518.4	1480.2	1425.2	1361.8	1355.0	1368.6
45°	1449.3	1457.6	1472.3	1540.9	1592.7	1612.1	1541.4	1476.5	1391.7	1363.4	1385.9
47.5°	1478.1	1491.7	1523.6	1586.4	1637.8	1653.5	1596.9	1503.7	1419.4	1373.3	1385.4
50°	1482.3	1477.5	1529.9	1587.5	1632.5	1666.6	1616.8	1523.6	1412.6	1388.5	1384.9
52.5°	1367.6	1390.6	1446.6	1525.7	1616.8	1671.3	1634.6	1534.6	1422.0	1394.8	1385.9
55°	1106.8	1079.6	1181.7	1314.7	1482.3	1633.6	1628.3	1540.4	1427.8	1405.3	1393.2
57.5°	617.8	625.7	683.3	827.8	1044.0	1295.3	1447.7	1479.6	1425.2	1412.1	1418.4
60°	285.9	288.5	313.1	380.6	514.7	734.6	935.1	1138.8	1232.5	1251.4	1251.4
62.5°	213.1	212.0	218.3	230.4	258.6	337.7	450.8	612.6	741.4	831.4	855.0
65°	192.7	192.2	195.3	199.5	201.6	212.6	237.7	287.4	329.3	353.4	349.2
67.5°	168.6	168.1	169.1	171.7	175.4	181.2	187.4	197.9	212.6	211.5	208.9
70°	136.1	136.1	137.7	139.8	144.0	150.8	158.1	165.5	178.0	180.6	180.1
72.5°	100.5	99.0	102.1	106.3	110.5	118.9	126.7	133.5	142.4	145.0	144.0
75°	63.9	64.9	67.0	71.7	79.1	84.8	93.2	99.0	104.7	106.8	107.3
77.5°	35.6	36.7	40.3	46.1	53.4	59.7	67.0	71.7	75.4	75.9	76.4
80°	21.5	22.0	25.7	30.9	37.2	44.0	49.7	54.5	57.6	56.0	55.5
82.5°	13.1	13.6	16.8	21.5	26.7	31.9	38.2	42.4	45.6	43.5	41.4
85°	6.8	7.3	9.9	13.1	17.3	19.9	19.9	17.8	17.3	16.2	15.7
87.5°	2.1	2.1	2.6	3.1	2.6	3.1	3.7	4.2	4.2	4.7	4.2
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)