

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: P526276

Luminaire Tested: **GALN-SA1B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4085 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

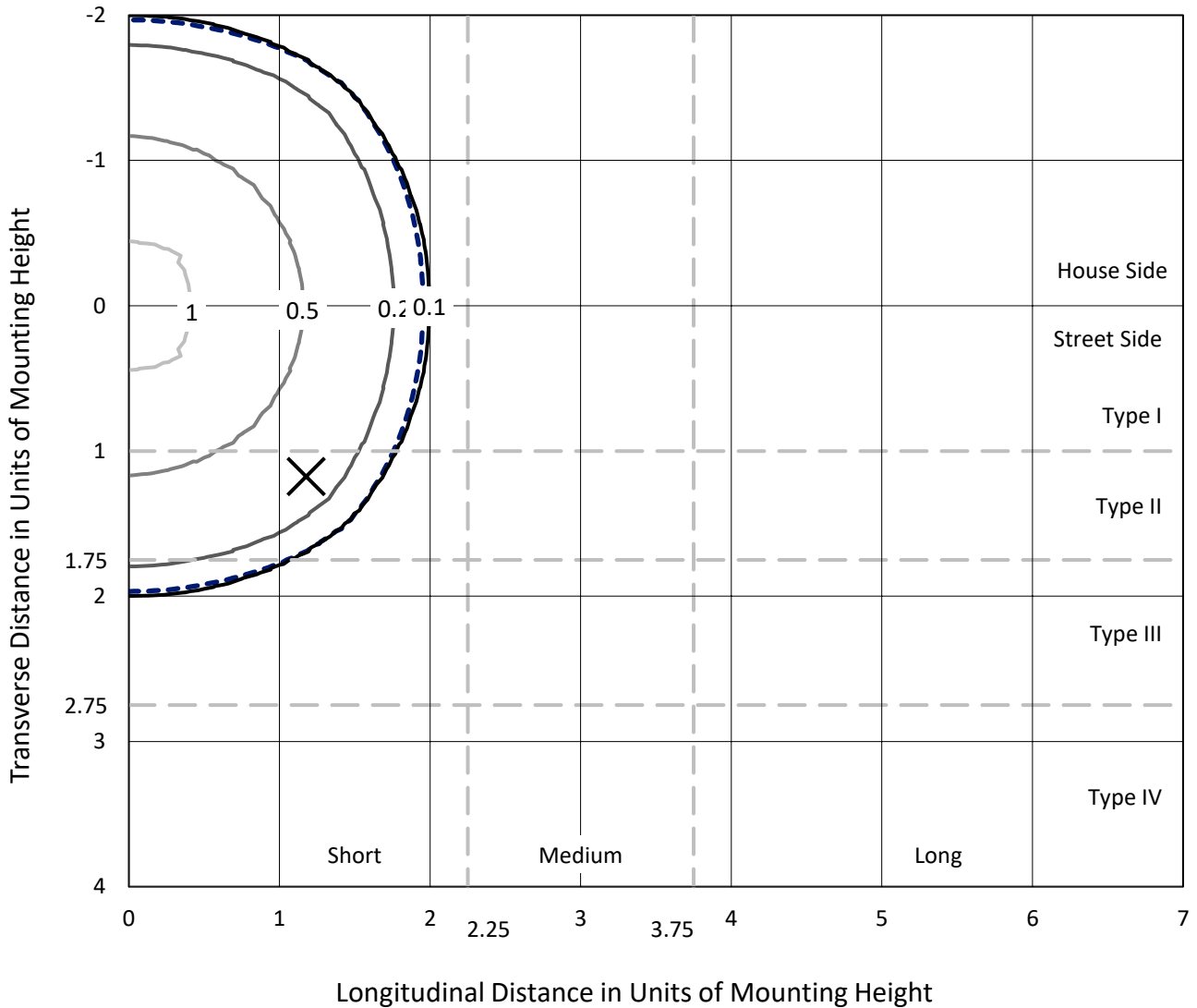
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

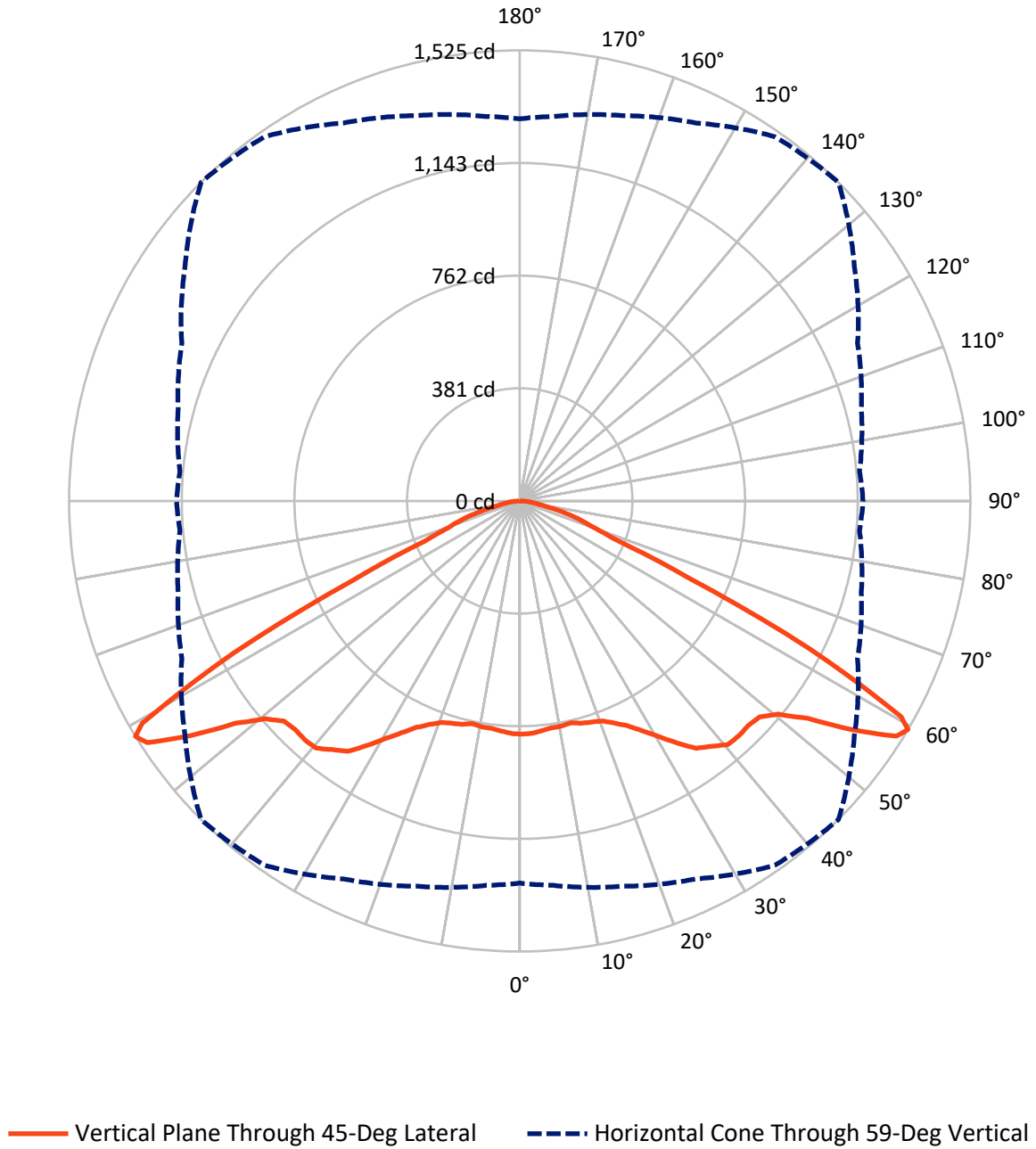
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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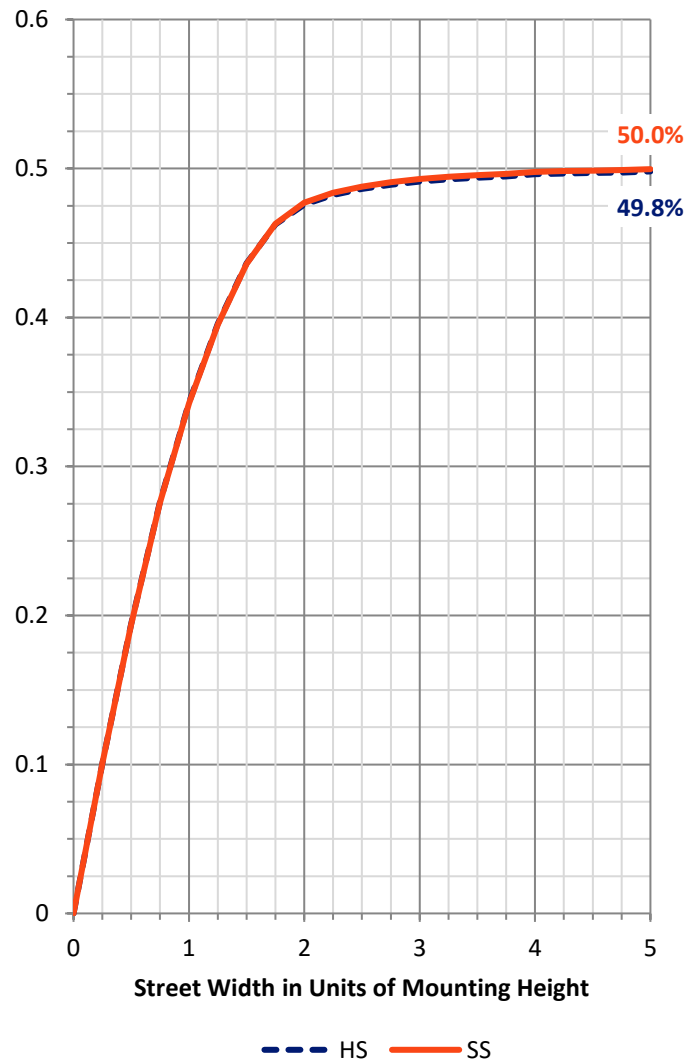
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2042.5	0.0	2042.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2042.5	0.0	2042.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4085.0	0.0	4085.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.8
10°-20°	221.2	5.4
20°-30°	386.2	9.5
30°-40°	616.9	15.1
40°-50°	840.3	20.6
50°-60°	1136.3	27.8
60°-70°	623.1	15.3
70°-80°	159.4	3.9
80°-90°	27.2	0.7
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°	4085.0	100.0
0°-180°	4085.0	100.0



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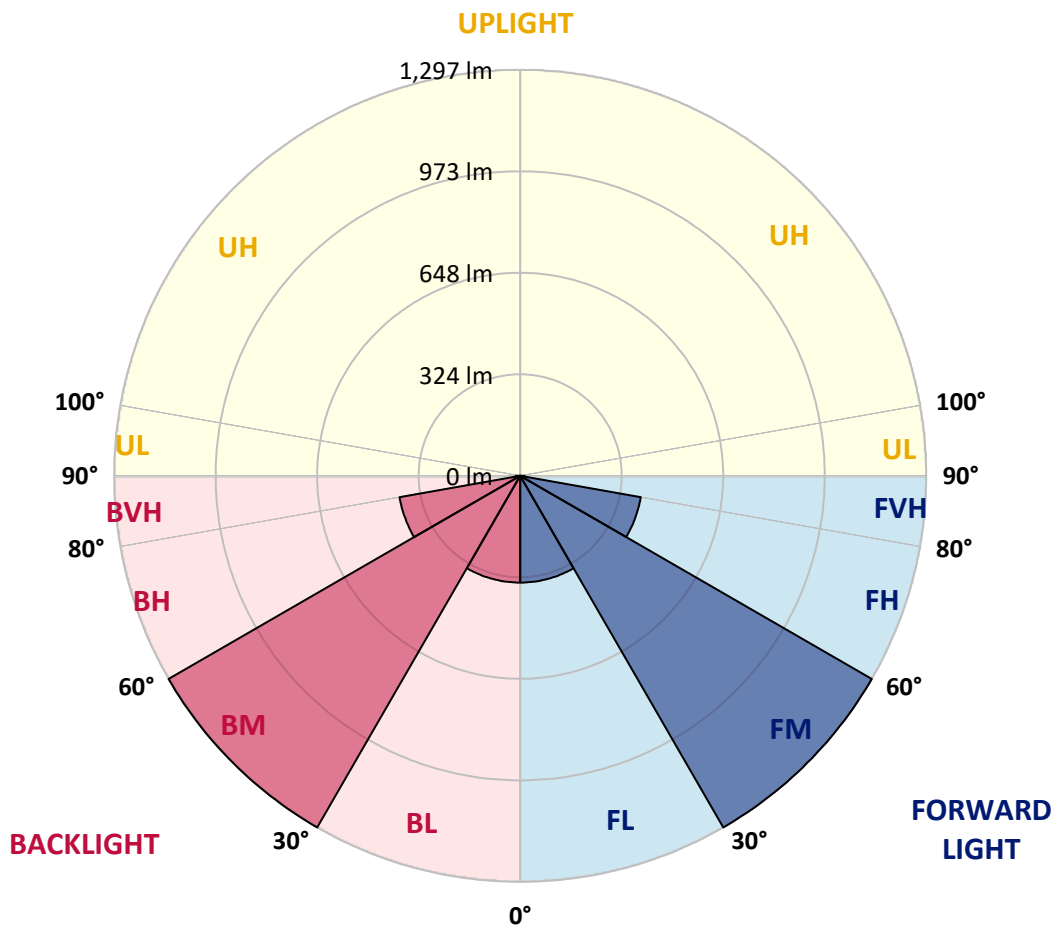
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.9	8.3			
FM (30°-60°)	1296.7	31.7			
FH (60°-80°)	391.3	9.6			G0/660
FVH (80°-90°)	13.6	0.3			G1/100
BL (0°-30°)	340.9	8.3	B1/500		
BM (30°-60°)	1296.7	31.7	B2/2500		
BH (60°-80°)	391.3	9.6	B1/500		G0/660
BVH (80°-90°)	13.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	789.0	789.0	789.0	789.0	789.0	789.0	789.0	789.0	789.0	789.0	789.0
2.5°	784.3	790.1	785.9	789.6	789.0	787.5	784.8	783.3	781.2	784.3	779.1
5°	781.2	785.9	790.6	784.3	784.3	781.2	779.6	776.5	776.5	775.9	775.4
7.5°	786.4	781.7	779.6	780.6	781.7	774.9	779.6	773.3	768.1	771.7	775.9
10°	781.7	783.8	775.9	779.6	773.8	774.9	771.7	775.9	770.2	770.2	770.2
12.5°	786.4	780.6	783.3	780.6	779.1	770.2	774.4	769.7	769.1	774.4	769.7
15°	795.8	786.4	784.3	779.1	780.6	780.6	776.5	777.0	771.2	774.4	775.4
17.5°	792.7	787.5	785.9	779.6	784.8	786.4	778.6	773.3	777.0	776.5	775.9
20°	795.3	797.4	795.8	796.9	799.0	794.8	787.5	780.1	775.4	782.2	781.7
22.5°	812.1	810.0	808.9	807.9	811.5	815.7	805.8	794.3	794.3	799.0	801.1
25°	825.7	825.2	824.6	829.3	841.9	841.9	829.3	814.7	811.0	814.2	811.5
27.5°	845.6	851.3	849.2	857.6	875.9	880.1	863.4	846.1	836.1	832.5	837.2
30°	891.1	884.3	885.9	894.8	911.0	924.6	899.0	880.7	867.0	866.5	868.6
32.5°	921.5	926.7	931.4	939.8	965.5	975.9	945.1	915.2	906.8	902.1	903.7
35°	982.2	977.5	976.5	984.8	1010.5	1027.8	989.0	962.9	951.9	962.3	962.3
37.5°	1039.8	1026.7	1016.8	1027.8	1051.3	1053.4	1020.4	1006.3	1000.6	1012.6	1012.1
40°	1067.0	1066.0	1043.0	1049.2	1080.7	1083.8	1052.9	1036.2	1035.1	1050.8	1066.5
42.5°	1095.3	1085.4	1062.3	1066.5	1085.9	1086.9	1057.6	1052.9	1064.4	1079.6	1080.7
45°	1100.0	1091.7	1077.0	1066.5	1080.7	1083.8	1066.5	1069.7	1070.7	1089.0	1089.0
47.5°	1109.5	1108.4	1100.0	1092.2	1094.8	1092.2	1081.2	1085.9	1101.6	1110.5	1106.3
50°	1135.6	1124.6	1133.0	1126.2	1126.7	1134.1	1124.1	1128.8	1125.7	1117.8	1112.6
52.5°	1193.2	1188.0	1195.3	1200.0	1205.3	1222.0	1210.5	1185.4	1161.8	1140.9	1140.3
55°	1277.5	1281.2	1295.3	1319.4	1339.8	1366.5	1311.0	1250.8	1213.1	1180.1	1182.2
57.5°	1357.1	1354.5	1373.9	1428.8	1488.5	1502.1	1393.2	1307.4	1246.1	1225.2	1216.3
59°	1293.2	1305.8	1349.8	1411.0	1504.8	1524.6	1382.2	1261.3	1196.4	1154.0	1161.3
60°	1192.7	1197.4	1236.7	1322.0	1448.7	1482.8	1308.4	1190.1	1103.7	1079.1	1090.1
62.5°	843.0	839.3	867.6	937.2	1050.8	1096.9	972.8	889.6	835.1	807.9	814.2
65°	448.2	464.9	476.5	519.9	580.1	628.8	577.5	541.4	511.0	488.5	488.0
67.5°	302.6	300.5	303.1	313.1	333.5	347.1	346.1	327.8	325.1	321.0	325.7
70°	255.0	253.9	249.2	249.2	253.4	256.6	260.2	262.3	266.5	271.7	271.2
72.5°	206.8	204.2	201.1	199.5	204.7	206.3	211.0	213.1	216.8	216.2	220.9
75°	136.7	136.7	140.3	144.5	146.1	149.2	149.7	156.0	156.0	157.1	152.9
77.5°	76.4	74.3	77.0	81.2	84.8	90.6	96.3	101.0	103.7	102.6	102.6
80°	44.5	44.5	47.1	51.8	56.5	61.8	66.0	69.6	72.3	71.2	69.1
82.5°	27.7	27.7	30.4	35.1	38.7	41.9	47.6	52.4	55.5	54.5	51.8
85°	14.1	14.1	17.3	20.4	25.1	27.2	26.7	24.6	24.1	21.5	21.5
87.5°	3.7	3.7	5.2	5.8	4.7	5.2	5.2	5.2	5.2	5.2	5.8
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)