

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: P526561

Luminaire Tested: **GALN-SA1C-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3457 lumens
Efficiency: N/A
Efficacy: 60.6 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

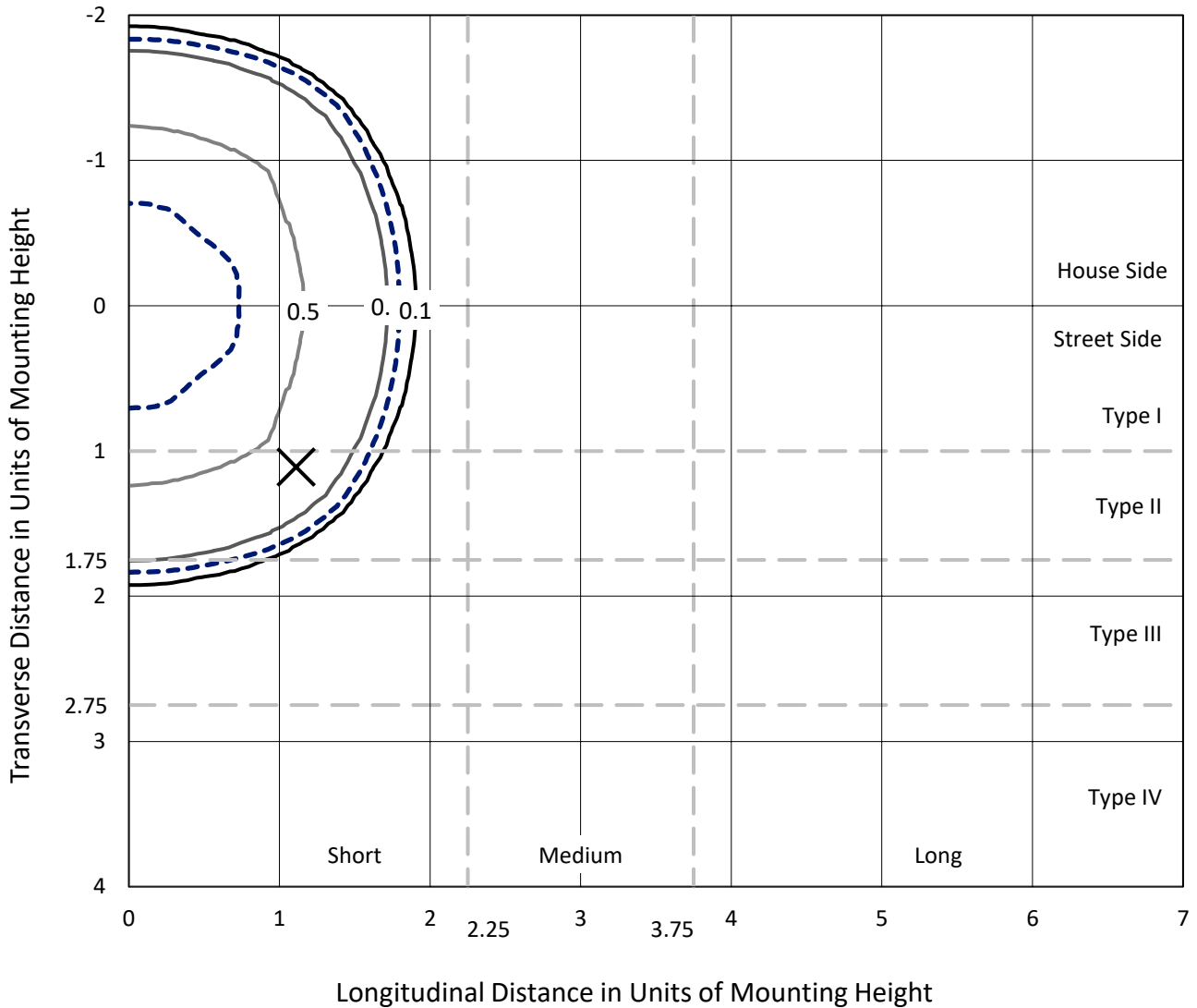
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

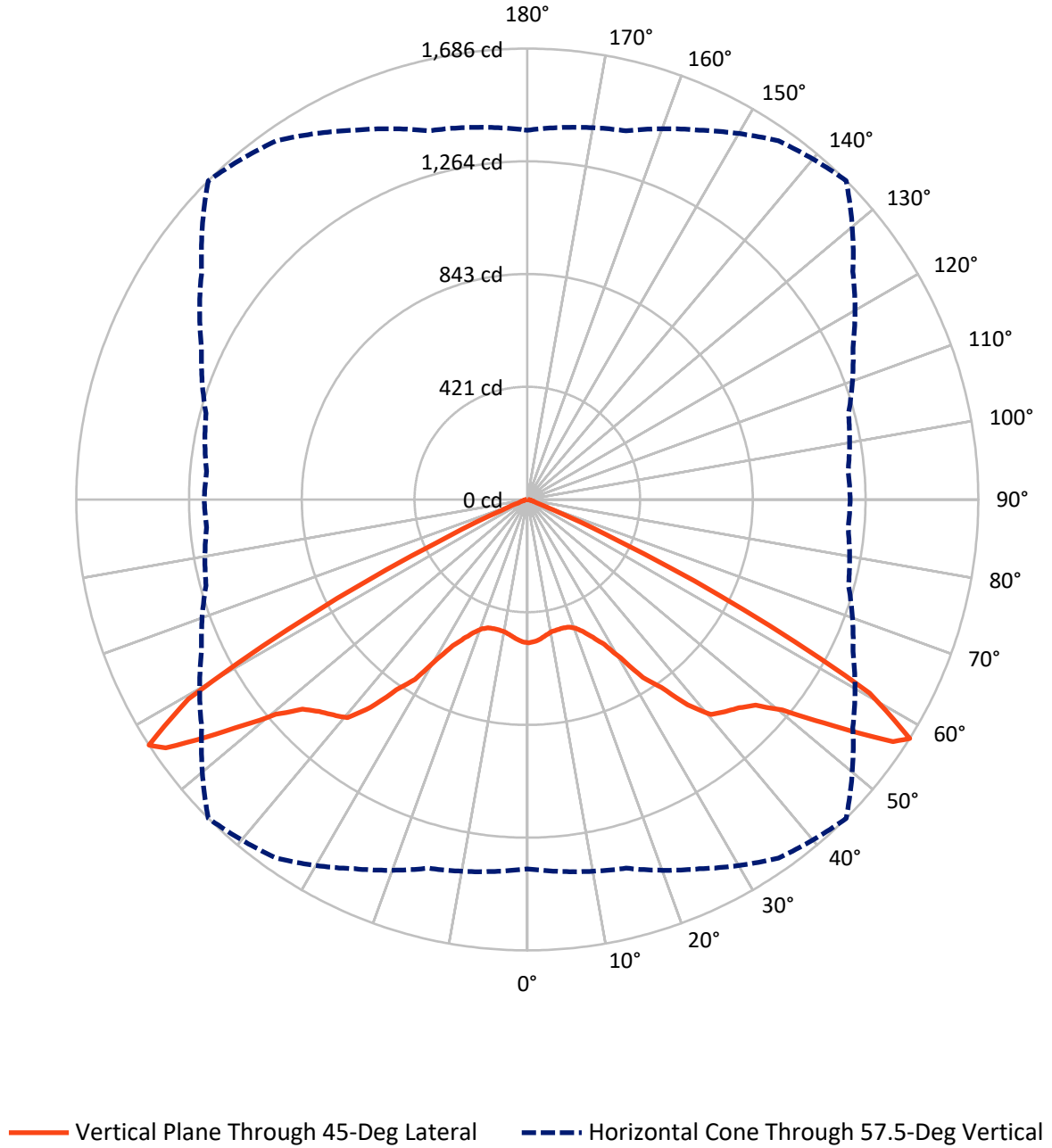
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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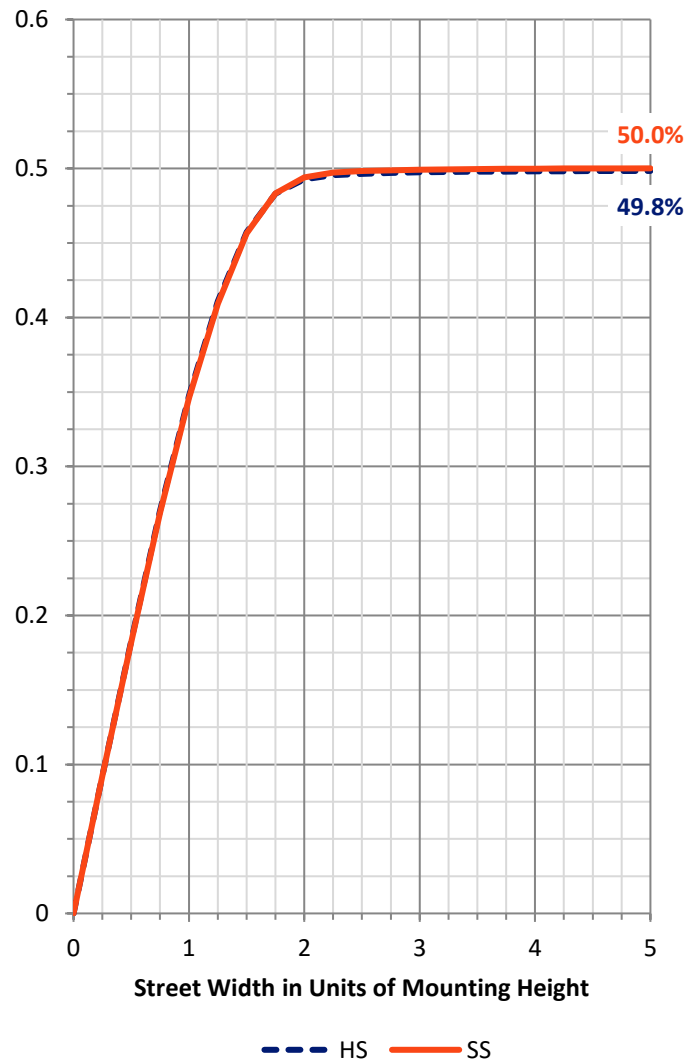
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1728.5	0.0	1728.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1728.5	0.0	1728.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3457.0	0.0	3457.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	1.4
10°-20°	142.4	4.1
20°-30°	262.9	7.6
30°-40°	517.0	15.0
40°-50°	842.1	24.4
50°-60°	1201.0	34.7
60°-70°	415.8	12.0
70°-80°	22.3	0.6
80°-90°	4.2	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°	3457.0	100.0
0°-180°	3457.0	100.0

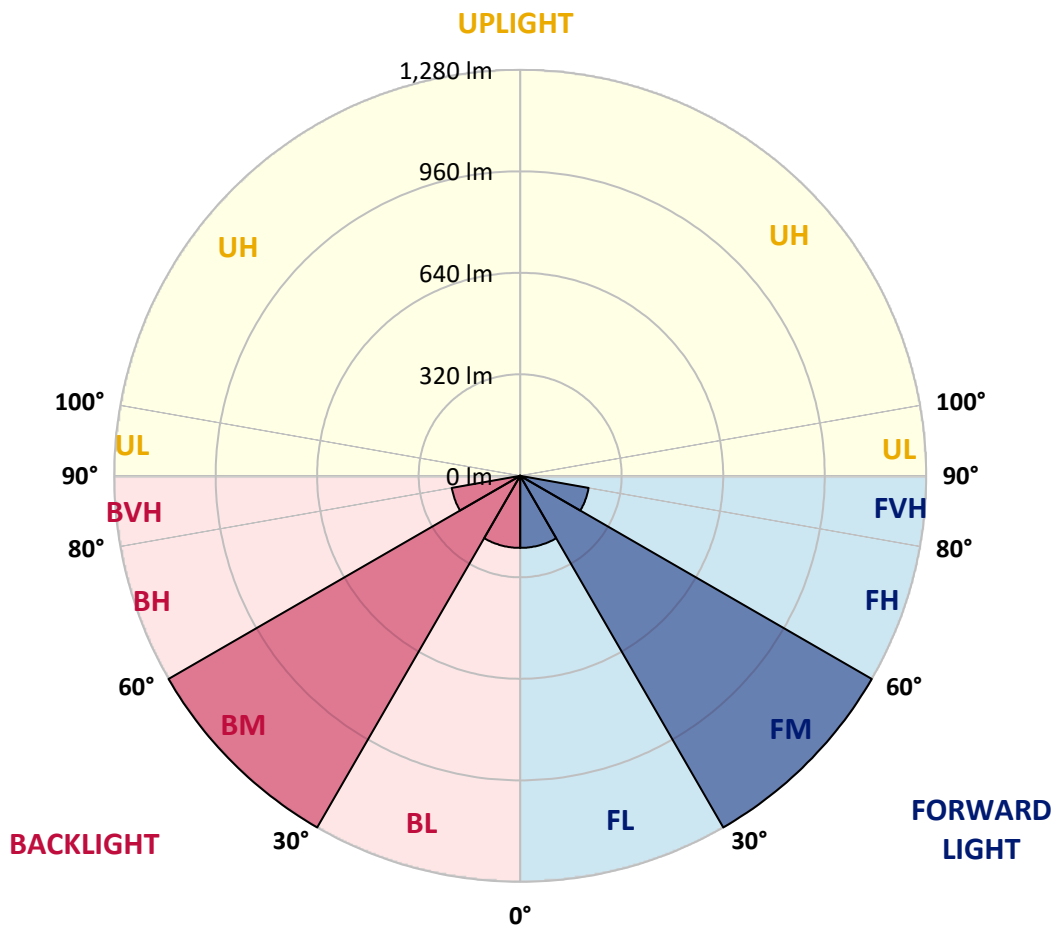


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.3	6.6			
FM (30°-60°)	1280.0	37.0			
FH (60°-80°)	219.1	6.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	227.3	6.6	B1/500		
BM (30°-60°)	1280.0	37.0	B2/2500		
BH (60°-80°)	219.1	6.3	B1/500		G0/660
BVH (80°-90°)	2.1	0.1			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°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2
2.5°	534.8	537.7	534.1	532.6	531.9	531.9	529.7	529.7	529.0	529.7	526.8
5°	526.1	529.0	529.0	528.3	524.0	523.2	521.1	519.6	520.4	517.5	519.6
7.5°	517.5	519.6	516.8	516.0	514.6	511.7	511.0	504.5	505.2	505.2	506.7
10°	516.0	515.3	511.0	507.4	503.1	502.3	500.2	498.7	498.7	498.0	500.2
12.5°	516.0	512.4	511.7	503.8	496.6	499.5	493.7	490.1	495.1	496.6	499.5
15°	515.3	518.9	506.7	503.1	498.0	498.7	493.7	490.1	493.0	494.4	496.6
17.5°	519.6	517.5	513.9	506.7	504.5	501.6	495.1	492.3	492.3	495.9	496.6
20°	531.2	525.4	518.2	514.6	516.8	513.2	505.2	494.4	497.3	500.2	502.3
22.5°	542.0	537.7	532.6	530.5	542.7	536.9	523.2	511.0	506.7	511.7	515.3
25°	562.9	562.9	553.5	556.4	570.1	570.8	555.0	533.3	530.5	532.6	534.1
27.5°	605.4	607.6	599.6	602.5	608.3	613.3	599.6	581.6	575.1	574.4	576.6
30°	651.5	655.9	655.1	667.4	684.0	686.8	666.7	637.1	617.7	614.1	616.9
32.5°	712.1	714.2	712.8	727.2	771.9	792.8	740.2	698.4	672.4	678.9	672.4
35°	825.9	823.8	807.9	810.8	847.6	862.7	812.3	785.6	773.3	786.3	783.4
37.5°	924.0	916.0	903.1	921.8	960.0	973.7	921.1	874.2	851.9	873.5	882.9
40°	1006.8	986.7	968.6	987.4	1038.6	1057.3	980.2	942.0	933.3	949.2	969.4
42.5°	1076.8	1063.8	1040.0	1041.4	1075.3	1084.0	1022.0	999.6	991.0	1016.2	1026.3
45°	1126.5	1114.2	1091.9	1090.5	1116.4	1110.6	1055.1	1040.0	1045.0	1061.6	1066.7
47.5°	1151.7	1158.2	1145.2	1148.8	1162.5	1148.8	1104.9	1104.9	1093.3	1103.4	1098.4
50°	1224.5	1204.3	1220.9	1220.9	1235.3	1236.8	1192.8	1176.9	1145.9	1128.7	1128.7
52.5°	1309.6	1311.0	1317.5	1341.3	1365.8	1386.7	1324.0	1256.2	1204.3	1182.0	1179.1
55°	1379.5	1393.9	1419.8	1464.5	1535.1	1564.0	1455.9	1334.8	1271.4	1236.8	1229.6
56°	1417.7	1404.0	1448.7	1509.9	1602.2	1639.6	1477.5	1350.6	1280.7	1241.8	1241.1
57.5°	1380.9	1396.0	1427.0	1523.6	1636.8	1685.8	1485.4	1343.4	1243.2	1203.6	1207.2
60°	1090.5	1104.9	1146.7	1254.8	1432.1	1470.3	1256.9	1107.7	1018.4	961.4	962.2
62.5°	616.9	627.7	660.2	760.4	870.6	907.4	783.4	684.0	622.0	590.3	580.2
65°	227.0	222.7	227.7	278.9	346.7	377.7	325.8	275.3	242.9	231.4	227.0
67.5°	85.0	78.6	73.5	78.6	98.7	104.5	95.9	80.0	75.0	77.1	78.6
70°	52.6	49.7	39.6	37.5	36.8	36.0	38.2	40.4	46.1	54.1	55.5
72.5°	36.8	34.6	28.1	26.7	25.2	24.5	28.1	31.0	36.0	41.8	42.5
75°	14.4	15.1	14.4	15.9	16.6	17.3	20.2	22.3	24.5	24.5	23.8
77.5°	2.9	2.9	4.3	5.8	7.2	9.4	13.7	15.9	16.6	15.9	13.7
80°	0.0	0.0	1.4	2.9	5.8	7.9	12.3	13.7	15.1	13.7	10.8
82.5°	0.0	0.0	1.4	3.6	5.8	7.2	11.5	14.4	16.6	15.1	11.5
85°	0.0	0.0	1.4	2.9	4.3	5.0	5.0	3.6	3.6	2.2	1.4
87.5°	0.0	0.0	0.0	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)