

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: P532304

Luminaire Tested: **GALN-SA7C-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34346 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 377
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



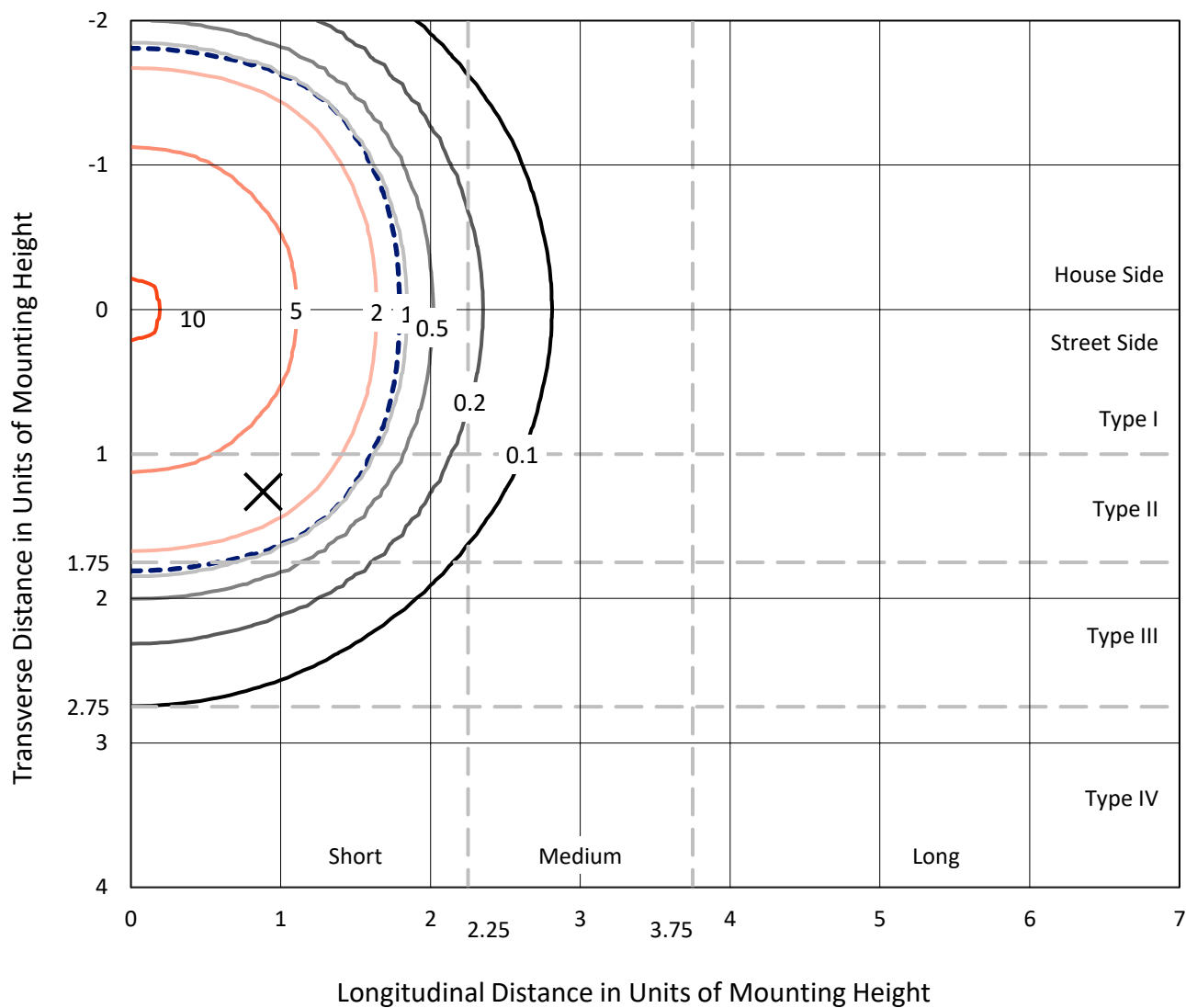
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

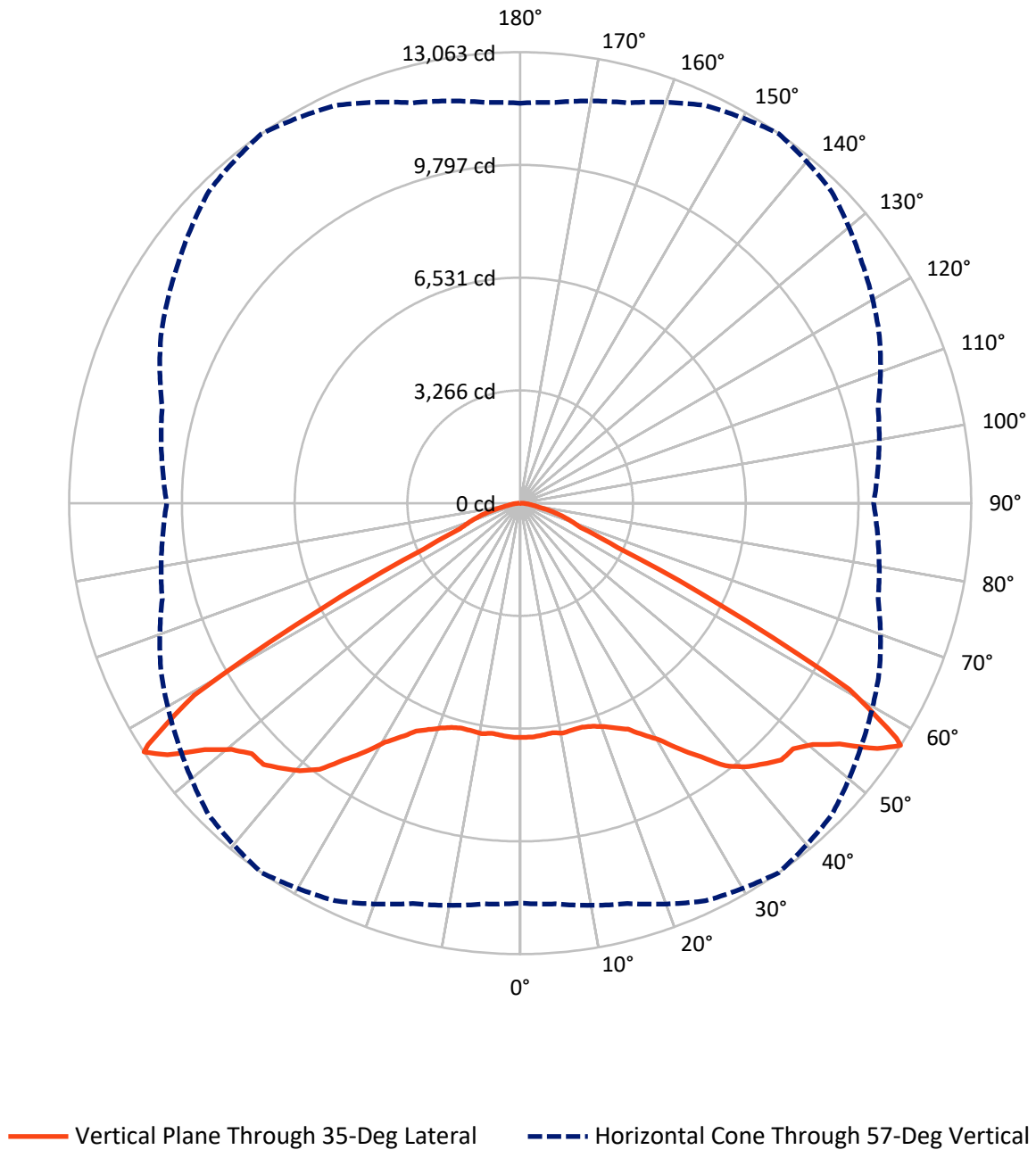


Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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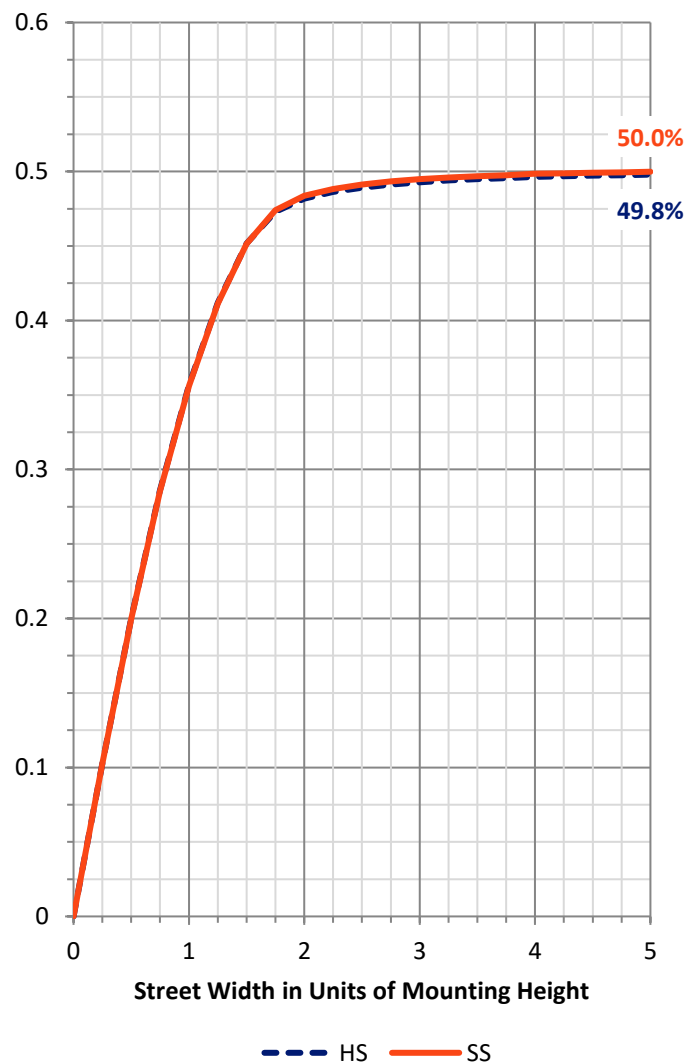
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17173.0	0.0	17173.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17173.0	0.0	17173.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34346.0	0.0	34346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.1	1.9
10°-20°	1904.6	5.5
20°-30°	3326.3	9.7
30°-40°	5450.2	15.9
40°-50°	7991.3	23.3
50°-60°	10065.7	29.3
60°-70°	3785.6	11.0
70°-80°	1006.6	2.9
80°-90°	172.6	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°	34346.0	100.0
0°-180°	34346.0	100.0

Coefficient of Utilization



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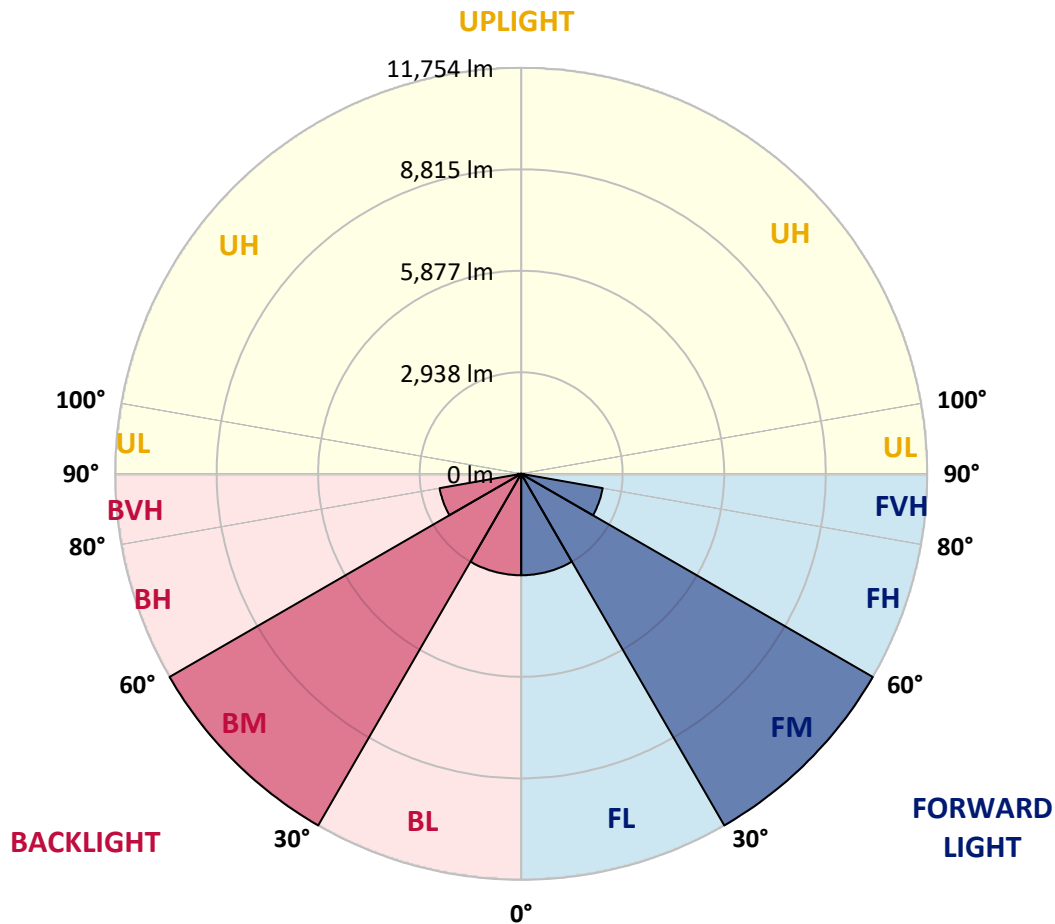
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2937.0	8.6			
FM	(30°-60°)	11753.6	34.2			
FH	(60°-80°)	2396.1	7.0			G2/5000
FVH	(80°-90°)	86.3	0.3			G1/100
BL	(0°-30°)	2937.0	8.6	B4/5000		
BM	(30°-60°)	11753.6	34.2	B5		
BH	(60°-80°)	2396.1	7.0	B3/2500		G2/5000
BVH	(80°-90°)	86.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6783.1	6783.1	6783.1	6783.1	6783.1	6783.1	6783.1	6783.1	6783.1	6783.1	6783.1
2.5°	6749.2	6816.9	6787.3	6770.4	6783.1	6761.9	6728.1	6766.2	6757.7	6723.8	6711.1
5°	6732.3	6783.1	6749.2	6783.1	6749.2	6808.5	6791.5	6728.1	6804.2	6732.3	6757.7
7.5°	6719.6	6736.5	6745.0	6728.1	6715.4	6787.3	6749.2	6719.6	6677.3	6664.6	6685.8
10°	6690.0	6732.3	6668.8	6753.5	6770.4	6719.6	6719.6	6664.6	6630.7	6609.6	6681.5
12.5°	6766.2	6694.2	6685.8	6728.1	6740.8	6761.9	6702.7	6673.1	6609.6	6618.1	6605.4
15°	6677.3	6706.9	6711.1	6719.6	6732.3	6783.1	6728.1	6664.6	6639.2	6550.3	6558.8
17.5°	6711.1	6681.5	6711.1	6808.5	6791.5	6829.6	6770.4	6673.1	6613.8	6563.0	6630.7
20°	6770.4	6757.7	6770.4	6888.9	6910.0	6943.9	6893.1	6804.2	6690.0	6630.7	6664.6
22.5°	6833.9	6825.4	6833.9	6948.1	7070.8	7113.1	7062.4	6855.0	6795.8	6685.8	6647.7
25°	6948.1	6956.6	7045.4	7172.4	7252.8	7333.2	7240.1	7092.0	6901.6	6833.9	6753.5
27.5°	7202.0	7223.2	7273.9	7460.1	7599.8	7671.7	7540.5	7337.4	7218.9	7079.3	7058.1
30°	7515.1	7515.1	7604.0	7764.8	7955.2	8065.2	7904.4	7663.2	7519.4	7443.2	7396.6
32.5°	7929.8	7883.3	7917.1	8200.6	8496.8	8589.9	8374.1	8077.9	7849.4	7747.9	7714.0
35°	8285.3	8314.9	8391.0	8695.7	9025.8	9241.6	8903.1	8518.0	8285.3	8192.2	8175.2
37.5°	8746.5	8797.3	8835.4	9254.3	9652.0	9732.4	9406.6	9097.7	8814.2	8738.0	8695.7
40°	9398.1	9364.3	9377.0	9685.9	10045.6	10096.3	9774.7	9554.7	9322.0	9275.4	9275.4
42.5°	9935.5	9897.5	9939.8	10054.0	10329.1	10291.0	10113.3	9952.5	9855.1	9804.4	9855.1
45°	10261.4	10252.9	10329.1	10413.7	10608.4	10481.4	10341.8	10367.2	10274.1	10189.4	10185.2
47.5°	10616.8	10561.8	10654.9	10781.8	10633.7	10574.5	10566.0	10621.0	10591.4	10443.3	10396.8
50°	10790.3	10769.1	10917.2	11065.4	10985.0	10849.5	10879.2	10968.0	10587.2	10388.3	10274.1
52.5°	11255.8	11260.0	11543.5	11623.9	11590.1	11391.2	11454.6	11213.5	10764.9	10485.6	10498.3
55°	11987.8	11958.2	12275.6	12512.5	12550.6	12296.7	11992.0	11653.5	11090.7	10807.2	10722.6
57°	11585.8	11653.5	12004.7	12707.2	13062.6	12762.2	12097.8	11480.0	10731.1	10388.3	10236.0
57.5°	11048.4	11158.4	11767.8	12474.4	12846.8	12821.4	11966.7	11158.4	10489.9	9956.7	9969.4
60°	8094.8	8116.0	8666.1	9787.4	10951.1	10976.5	9935.5	8865.0	8120.2	7540.5	7620.9
62.5°	4269.6	4366.9	4586.9	5488.2	6495.3	6740.8	6110.3	5560.2	4917.0	4476.9	4519.2
65°	2259.6	2246.9	2352.7	2606.6	3101.7	3228.6	3144.0	2708.2	2483.9	2412.0	2416.2
67.5°	1836.5	1857.6	1844.9	1857.6	1891.5	1946.5	1933.8	1950.7	1963.4	1984.6	1980.3
70°	1557.2	1557.2	1565.7	1569.9	1569.9	1595.3	1624.9	1679.9	1684.1	1705.3	1713.8
72.5°	1227.1	1218.7	1231.4	1261.0	1265.2	1286.4	1328.7	1362.5	1375.2	1375.2	1349.8
75°	833.6	842.1	859.0	884.4	909.8	947.9	981.7	1002.9	1011.3	998.6	985.9
77.5°	469.7	478.2	490.9	528.9	558.6	592.4	630.5	651.6	672.8	677.0	651.6
80°	279.3	279.3	300.4	330.1	363.9	397.8	431.6	457.0	465.5	465.5	452.8
82.5°	169.3	173.5	190.4	220.0	249.7	270.8	300.4	321.6	338.5	334.3	325.8
85°	88.9	88.9	105.8	131.2	152.3	173.5	173.5	160.8	152.3	131.2	122.7
87.5°	29.6	25.4	33.9	33.9	29.6	33.9	33.9	38.1	38.1	38.1	38.1
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)