

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: P532226

Luminaire Tested: **GALN-SA7C-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532226
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-750-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 43222 lumens
Efficiency: N/A
Efficacy: 114.6 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

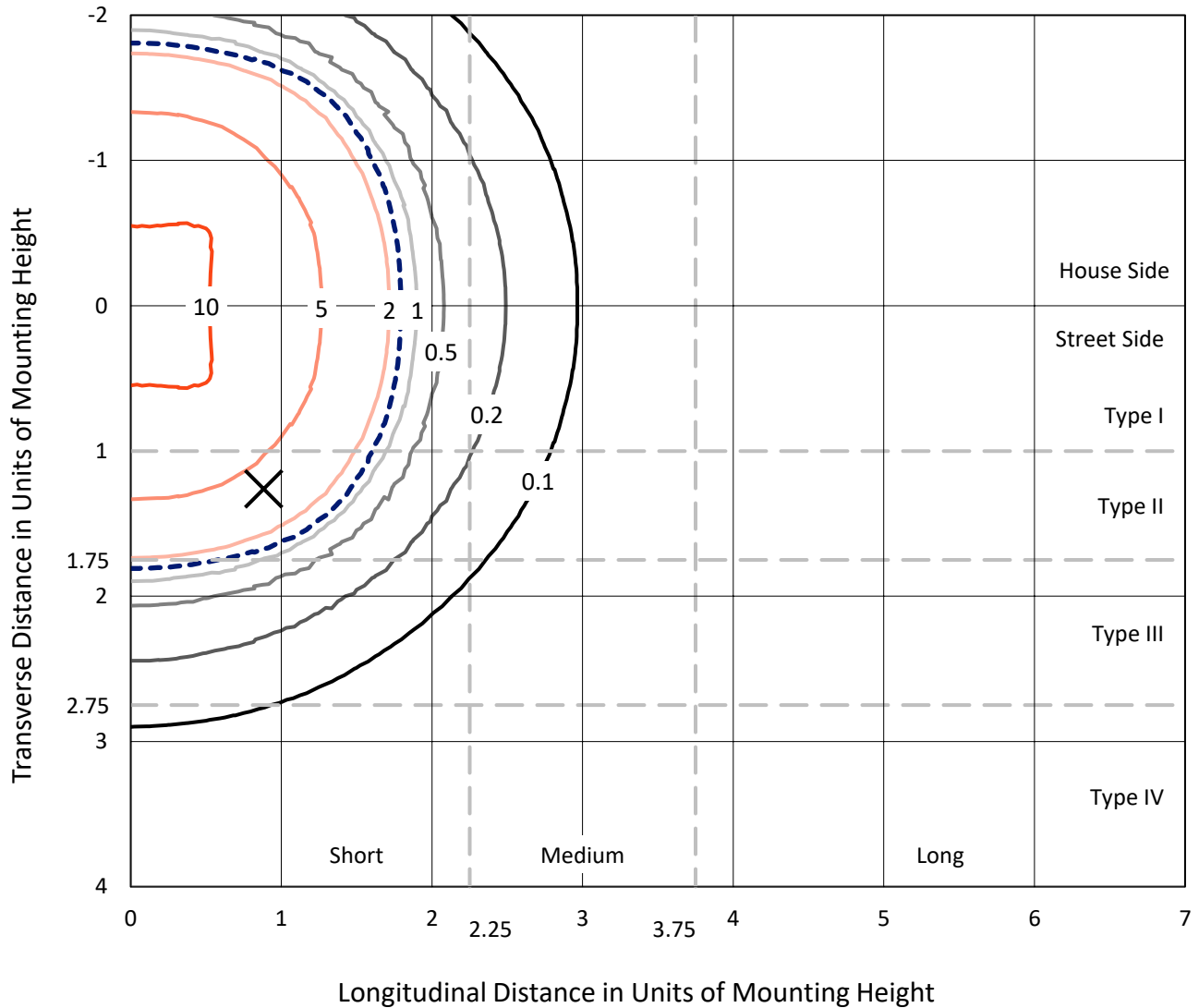
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

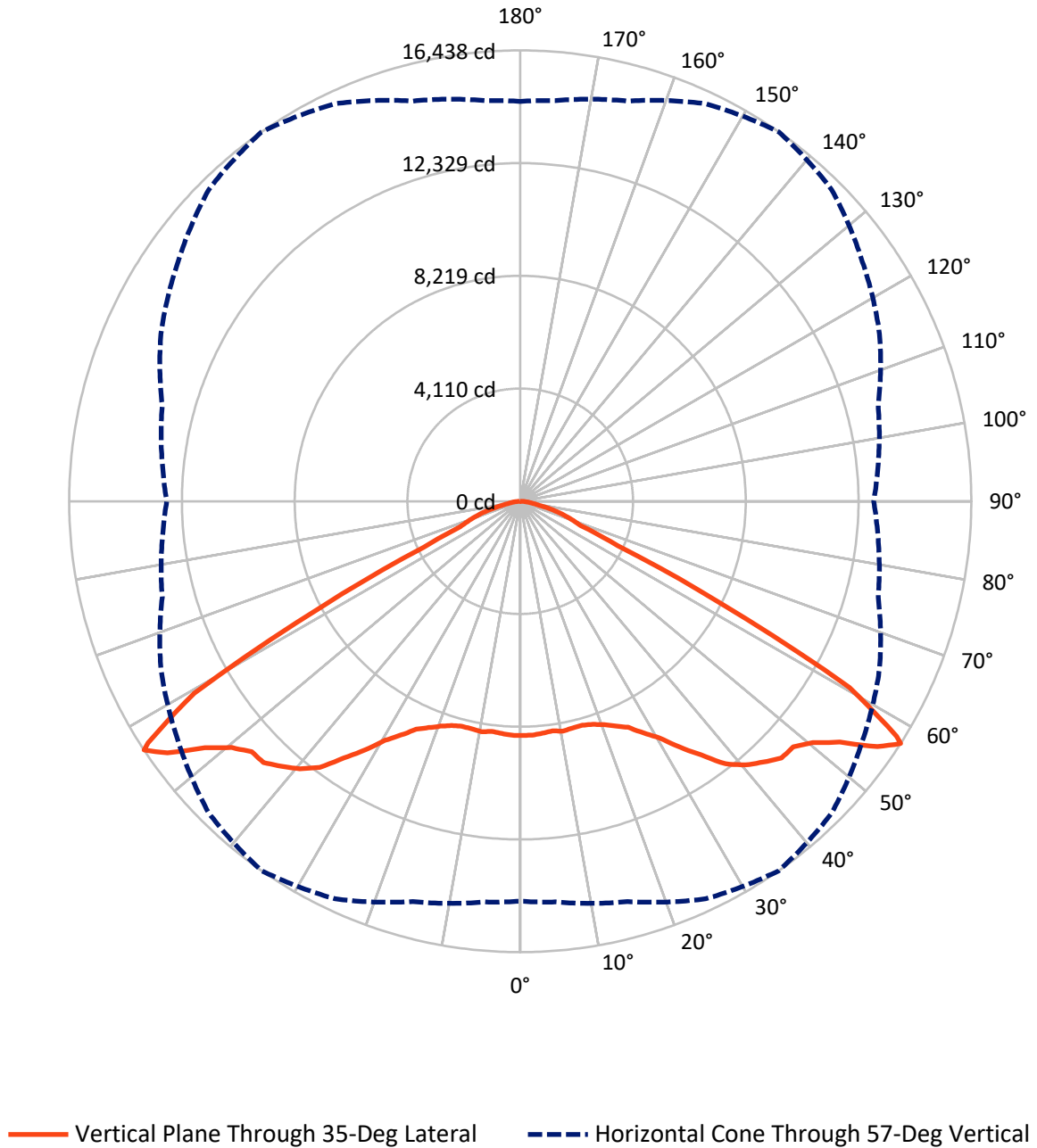
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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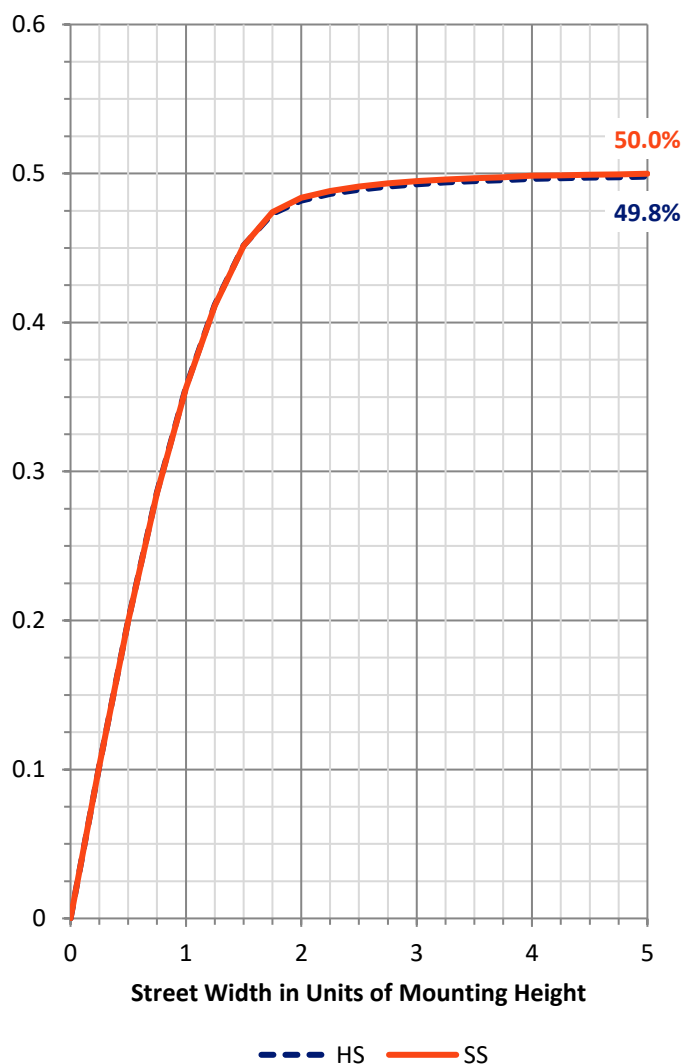
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21611.0	0.0	21611.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21611.0	0.0	21611.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43222.0	0.0	43222.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.2	1.9
10°-20°	2396.8	5.5
20°-30°	4185.9	9.7
30°-40°	6858.7	15.9
40°-50°	10056.6	23.3
50°-60°	12667.0	29.3
60°-70°	4763.9	11.0
70°-80°	1266.7	2.9
80°-90°	217.2	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°	43222.0	100.0
0°-180°	43222.0	100.0

Coefficient of Utilization



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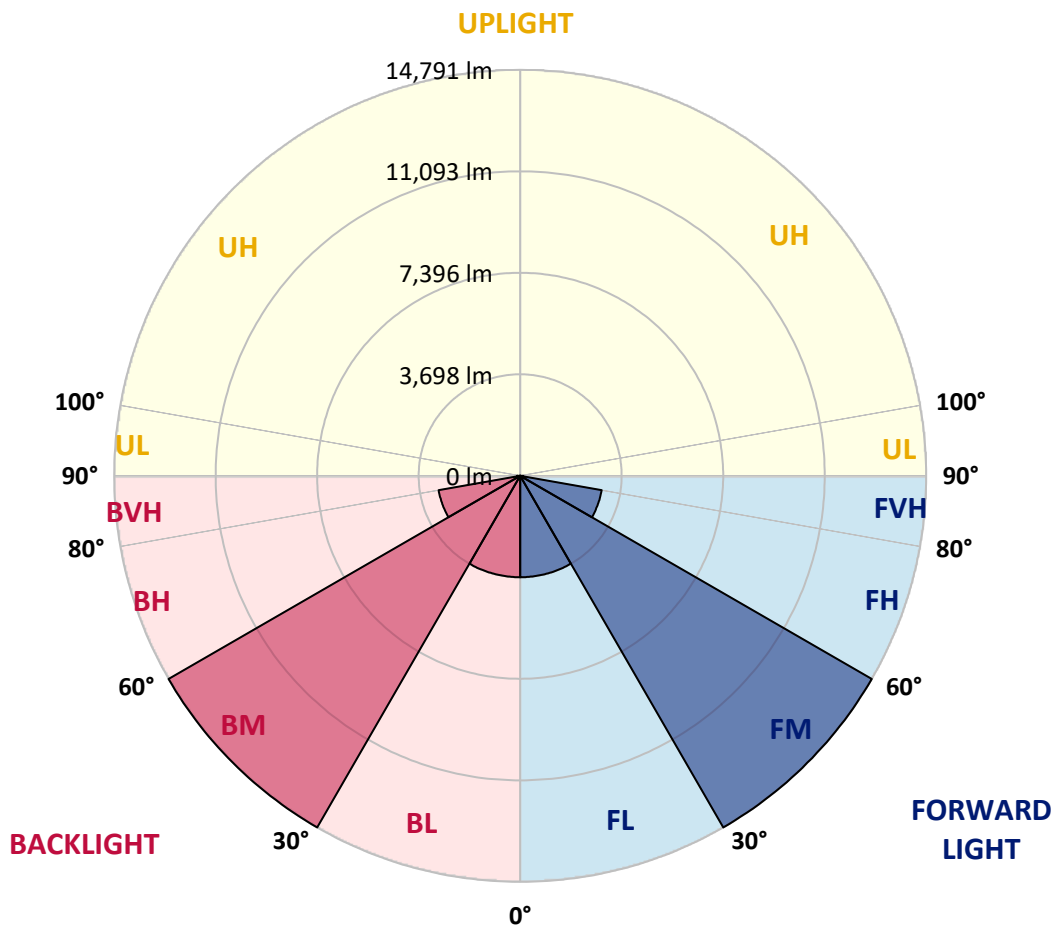
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3696.0	8.6			
FM (30°-60°)	14791.1	34.2			
FH (60°-80°)	3015.3	7.0			G2/5000
FVH (80°-90°)	108.6	0.3			G2/225
BL (0°-30°)	3696.0	8.6	B4/5000		
BM (30°-60°)	14791.1	34.2	B5		
BH (60°-80°)	3015.3	7.0	B4/5000		G2/5000
BVH (80°-90°)	108.6	0.3			G2/225
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°	8536.0	8536.0	8536.0	8536.0	8536.0	8536.0	8536.0	8536.0	8536.0	8536.0	8536.0
2.5°	8493.4	8578.6	8541.4	8520.1	8536.0	8509.4	8466.8	8514.7	8504.1	8461.5	8445.5
5°	8472.1	8536.0	8493.4	8536.0	8493.4	8568.0	8546.7	8466.8	8562.7	8472.1	8504.1
7.5°	8456.2	8477.5	8488.1	8466.8	8450.8	8541.4	8493.4	8456.2	8402.9	8386.9	8413.6
10°	8418.9	8472.1	8392.3	8498.8	8520.1	8456.2	8456.2	8386.9	8344.3	8317.7	8408.2
12.5°	8514.7	8424.2	8413.6	8466.8	8482.8	8509.4	8434.9	8397.6	8317.7	8328.4	8312.4
15°	8402.9	8440.2	8445.5	8456.2	8472.1	8536.0	8466.8	8386.9	8355.0	8243.1	8253.8
17.5°	8445.5	8408.2	8445.5	8568.0	8546.7	8594.6	8520.1	8397.6	8323.0	8259.1	8344.3
20°	8520.1	8504.1	8520.1	8669.2	8695.8	8738.4	8674.5	8562.7	8418.9	8344.3	8386.9
22.5°	8599.9	8589.3	8599.9	8743.7	8898.1	8951.4	8887.5	8626.6	8552.0	8413.6	8365.6
25°	8743.7	8754.4	8866.2	9025.9	9127.1	9228.3	9111.1	8924.8	8685.1	8599.9	8498.8
27.5°	9063.2	9089.8	9153.7	9388.0	9563.8	9654.3	9489.2	9233.6	9084.5	8908.8	8882.2
30°	9457.3	9457.3	9569.1	9771.4	10011.1	10149.5	9947.2	9643.6	9462.6	9366.7	9308.2
32.5°	9979.1	9920.5	9963.1	10319.9	10692.7	10809.8	10538.2	10165.5	9877.9	9750.1	9707.5
35°	10426.4	10463.7	10559.5	10942.9	11358.3	11629.9	11203.9	10719.3	10426.4	10309.3	10288.0
37.5°	11006.8	11070.7	11118.7	11645.8	12146.4	12247.6	11837.5	11448.8	11092.0	10996.2	10942.9
40°	11826.9	11784.3	11800.3	12189.0	12641.6	12705.5	12300.8	12023.9	11731.0	11672.5	11672.5
42.5°	12503.2	12455.3	12508.5	12652.3	12998.4	12950.5	12726.8	12524.5	12402.0	12338.1	12402.0
45°	12913.2	12902.6	12998.4	13104.9	13349.9	13190.1	13014.4	13046.3	12929.2	12822.7	12817.4
47.5°	13360.5	13291.3	13408.4	13568.2	13381.8	13307.3	13296.6	13365.8	13328.6	13142.2	13083.6
50°	13578.8	13552.2	13738.6	13925.0	13823.8	13653.4	13690.7	13802.5	13323.2	13073.0	12929.2
52.5°	14164.6	14169.9	14526.7	14627.9	14585.3	14335.0	14414.9	14111.3	13546.9	13195.4	13211.4
55°	15085.8	15048.5	15447.9	15746.1	15794.0	15474.5	15091.1	14665.1	13956.9	13600.1	13493.6
57°	14579.9	14665.1	15107.1	15991.1	16438.4	16060.3	15224.3	14446.8	13504.3	13073.0	12881.3
57.5°	13903.7	14042.1	14808.9	15698.2	16166.8	16134.8	15059.2	14042.1	13200.8	12529.8	12545.8
60°	10186.8	10213.4	10905.7	12316.8	13781.2	13813.1	12503.2	11155.9	10218.7	9489.2	9590.4
62.5°	5373.0	5495.4	5772.3	6906.6	8173.9	8482.8	7689.3	6997.1	6187.7	5633.9	5687.1
65°	2843.6	2827.6	2960.7	3280.2	3903.2	4063.0	3956.5	3408.0	3125.8	3035.3	3040.6
67.5°	2311.1	2337.7	2321.7	2337.7	2380.3	2449.5	2433.5	2454.8	2470.8	2497.4	2492.1
70°	1959.6	1959.6	1970.3	1975.6	1975.6	2007.5	2044.8	2114.0	2119.4	2146.0	2156.6
72.5°	1544.3	1533.6	1549.6	1586.9	1592.2	1618.8	1672.1	1714.7	1730.6	1730.6	1698.7
75°	1049.0	1059.7	1081.0	1112.9	1144.9	1192.8	1235.4	1262.0	1272.7	1256.7	1240.7
77.5°	591.1	601.7	617.7	665.6	702.9	745.5	793.4	820.1	846.7	852.0	820.1
80°	351.5	351.5	378.1	415.4	458.0	500.6	543.2	575.1	585.8	585.8	569.8
82.5°	213.0	218.3	239.6	276.9	314.2	340.8	378.1	404.7	426.0	420.7	410.0
85°	111.8	111.8	133.1	165.1	191.7	218.3	218.3	202.4	191.7	165.1	154.4
87.5°	37.3	32.0	42.6	42.6	37.3	42.6	42.6	47.9	47.9	47.9	47.9
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)