

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: P532000

Luminaire Tested: **GALN-SA7B-750-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532000
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-SA7B-750-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34728 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

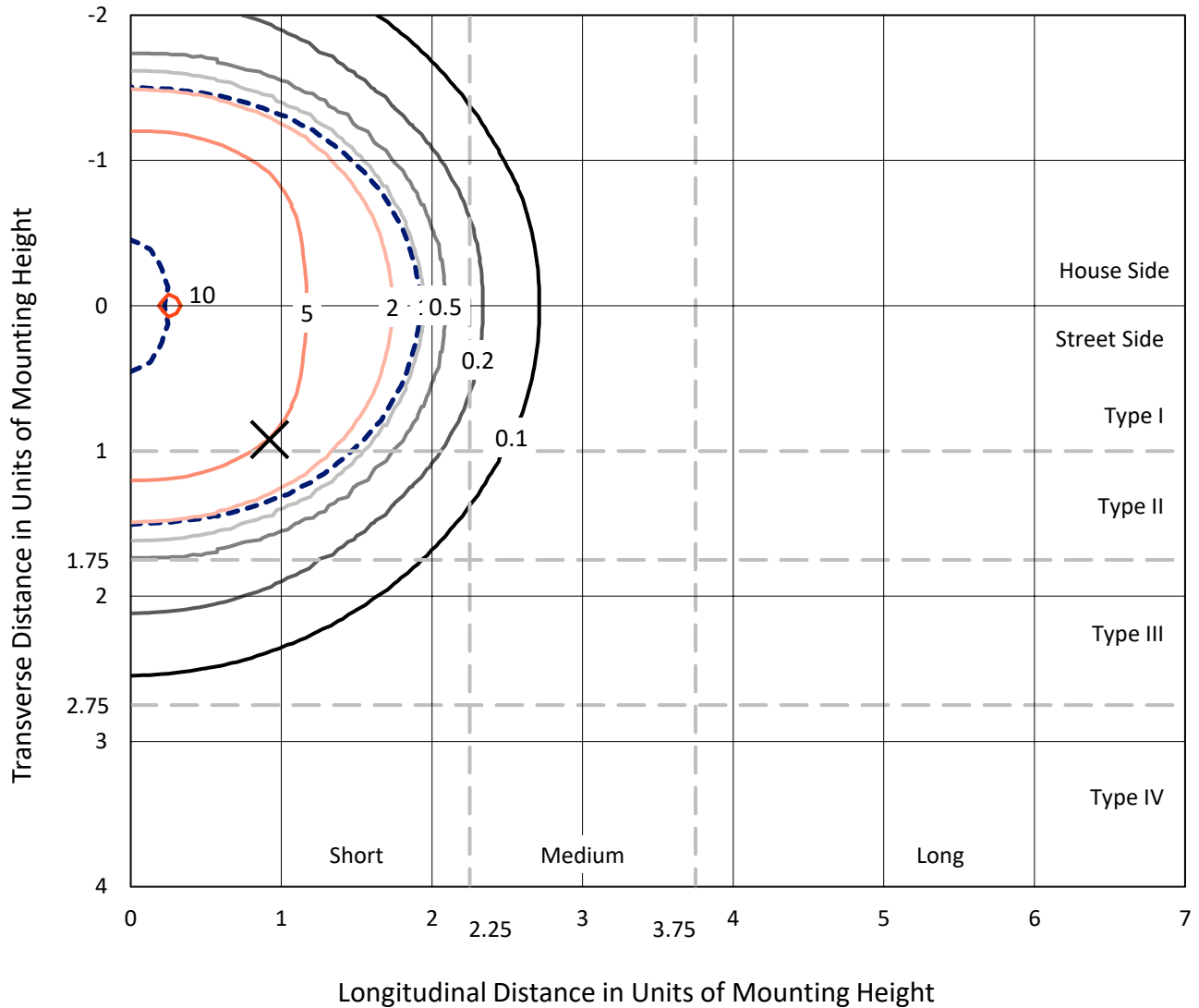
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

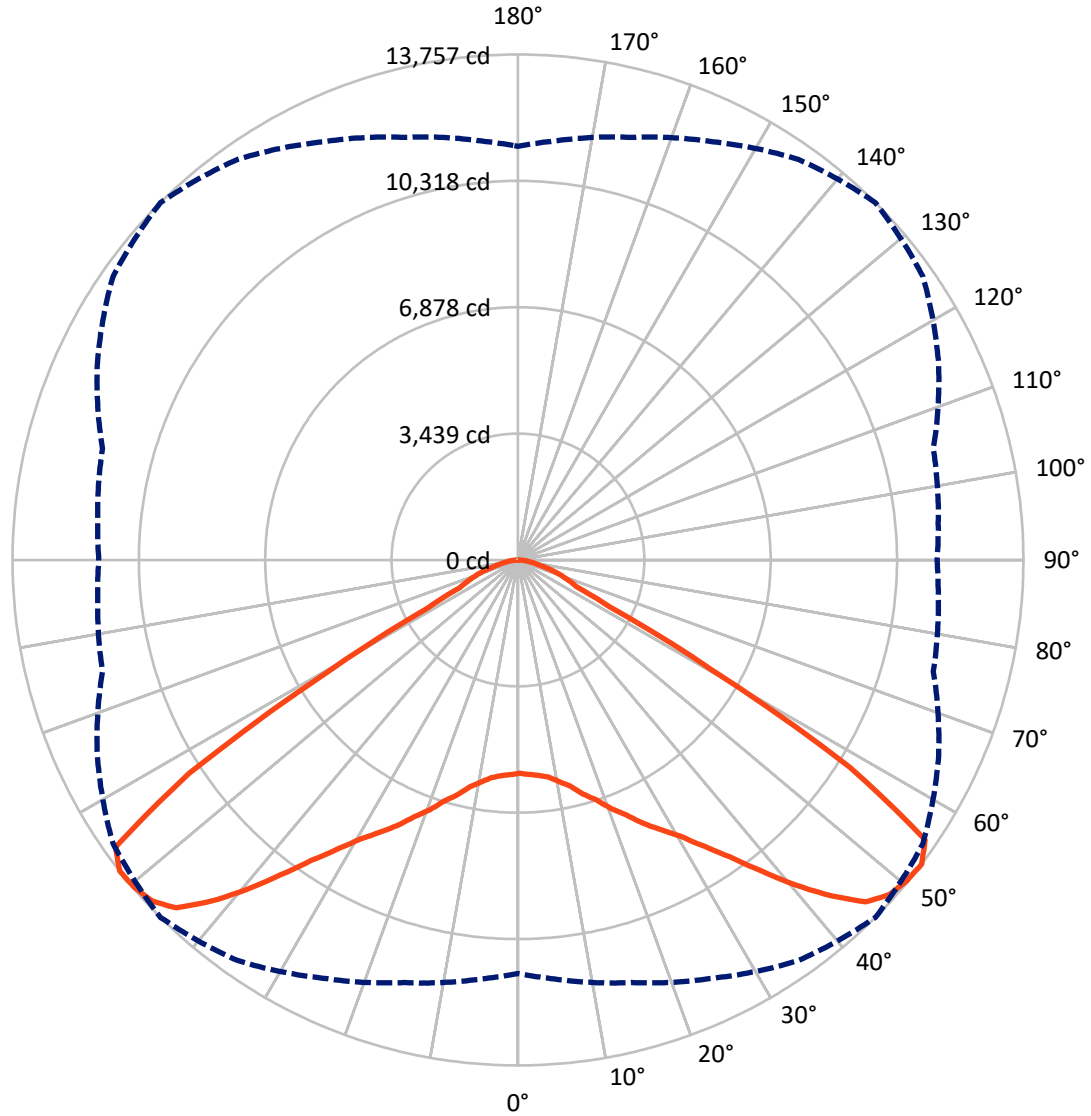
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17364.0	0.0	17364.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17364.0	0.0	17364.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34728.0	0.0	34728.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.3	1.6
10°-20°	1874.1	5.4
20°-30°	3568.1	10.3
30°-40°	6126.6	17.6
40°-50°	9416.8	27.1
50°-60°	9562.6	27.5
60°-70°	2665.0	7.7
70°-80°	786.1	2.3
80°-90°	158.3	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°	34728.0	100.0
0°-180°	34728.0	100.0

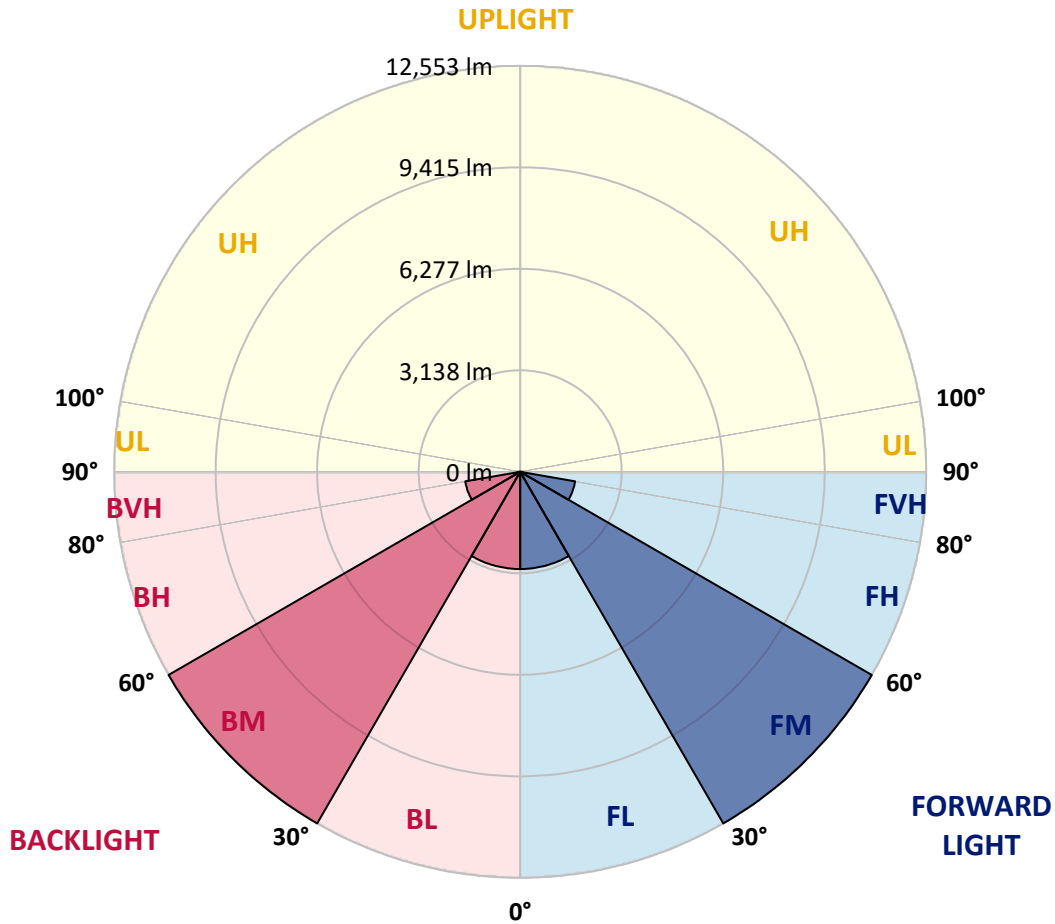


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3006.3	8.7			
FM (30°-60°)	12553.0	36.1			
FH (60°-80°)	1725.6	5.0			G1/1800
FVH (80°-90°)	79.2	0.2			G1/100
BL (0°-30°)	3006.3	8.7	B4/5000		
BM (30°-60°)	12553.0	36.1	B5		
BH (60°-80°)	1725.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	79.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2	5805.2
2.5°	5818.2	5757.8	5779.4	5792.3	5848.3	5844.0	5831.1	5848.3	5865.6	5869.9	5861.3
5°	5813.9	5770.8	5788.0	5800.9	5857.0	5887.1	5878.5	5951.8	6003.5	5990.6	6055.2
7.5°	5779.4	5805.2	5783.7	5848.3	5895.7	5969.0	6046.6	6115.5	6180.2	6253.5	6266.4
10°	5857.0	5857.0	5895.7	5947.5	6072.4	6128.5	6240.5	6339.7	6464.6	6550.8	6516.4
12.5°	5938.8	5951.8	5951.8	6085.4	6188.8	6313.8	6417.2	6550.8	6727.5	6831.0	6882.7
15°	6020.7	6029.4	6072.4	6253.5	6408.6	6606.9	6701.7	6822.3	6921.5	7115.4	7119.7
17.5°	6094.0	6141.4	6270.7	6473.3	6667.2	6856.8	7007.7	7132.6	7218.8	7296.4	7279.2
20°	6369.8	6404.3	6537.9	6740.5	7029.2	7214.5	7266.3	7287.8	7343.8	7499.0	7451.6
22.5°	6637.0	6650.0	6774.9	7085.2	7287.8	7533.5	7589.5	7576.6	7598.1	7636.9	7705.8
25°	6912.9	6934.4	7106.8	7369.7	7654.1	7947.2	7994.6	7895.5	7865.3	7908.4	7912.7
27.5°	7266.3	7270.6	7490.4	7718.8	8042.0	8317.8	8391.1	8313.5	8171.3	8205.8	8261.8
30°	7714.5	7684.3	7904.1	8231.6	8572.1	8727.3	8852.2	8813.5	8658.3	8628.1	8580.7
32.5°	8231.6	8240.3	8438.5	8796.2	9020.3	9278.9	9412.5	9347.9	9248.7	9197.0	9227.2
35°	8960.0	8998.8	9132.4	9429.7	9791.8	9921.1	10132.2	9994.3	9735.7	9800.4	9856.4
37.5°	9559.0	9671.1	9921.1	10274.5	10489.9	10727.0	10804.6	10619.2	10429.6	10352.0	10537.4
40°	10477.0	10442.5	10718.4	11071.8	11390.7	11627.7	11528.6	11343.3	10873.5	10877.8	10929.5
42.5°	11265.7	11282.9	11494.1	11916.5	12351.8	12498.3	12183.7	11731.2	11209.7	11153.7	11265.7
45°	11929.4	11998.4	12119.0	12683.6	13110.3	13269.7	12687.9	12153.5	11455.3	11222.6	11407.9
47.5°	12166.4	12278.5	12541.4	13058.6	13480.9	13610.2	13144.8	12377.6	11683.8	11304.5	11403.6
50°	12200.9	12162.1	12593.1	13067.2	13437.8	13718.0	13308.5	12541.4	11627.7	11429.5	11399.3
52.5°	11257.1	11446.7	11907.9	12558.6	13308.5	13756.7	13455.1	12631.9	11705.3	11481.2	11407.9
55°	9110.8	8886.7	9727.1	10821.8	12200.9	13446.4	13403.3	12679.3	11752.7	11567.4	11468.3
57.5°	5085.5	5150.2	5624.2	6813.7	8593.7	10662.3	11916.5	12179.4	11731.2	11623.4	11675.1
60°	2353.1	2374.7	2577.2	3133.2	4236.5	6046.6	7697.2	9373.7	10145.2	10300.3	10300.3
62.5°	1754.1	1745.5	1797.2	1896.3	2129.0	2779.8	3710.7	5042.4	6102.6	6843.9	7037.8
65°	1586.0	1581.7	1607.5	1642.0	1659.3	1749.8	1956.6	2366.1	2710.8	2909.1	2874.6
67.5°	1387.7	1383.4	1392.1	1413.6	1443.8	1491.2	1542.9	1629.1	1749.8	1741.1	1719.6
70°	1120.5	1120.5	1133.5	1150.7	1185.2	1241.2	1301.5	1361.9	1465.3	1486.9	1482.6
72.5°	827.5	814.5	840.4	874.9	909.4	978.3	1043.0	1099.0	1172.3	1193.8	1185.2
75°	525.8	534.4	551.6	590.4	650.8	698.2	767.1	814.5	862.0	879.2	883.5
77.5°	293.1	301.7	331.9	379.3	439.6	491.3	551.6	590.4	620.6	624.9	629.2
80°	176.7	181.0	211.2	254.3	306.0	362.0	409.4	448.2	474.1	461.1	456.8
82.5°	107.7	112.1	137.9	176.7	219.8	262.9	314.6	349.1	374.9	357.7	340.5
85°	56.0	60.3	81.9	107.7	142.2	163.8	163.8	146.5	142.2	133.6	129.3
87.5°	17.2	17.2	21.5	25.9	21.5	25.9	30.2	34.5	34.5	38.8	34.5
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)