

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: P651467

Luminaire Tested: **GALN-SA6D-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-840-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38511.9 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

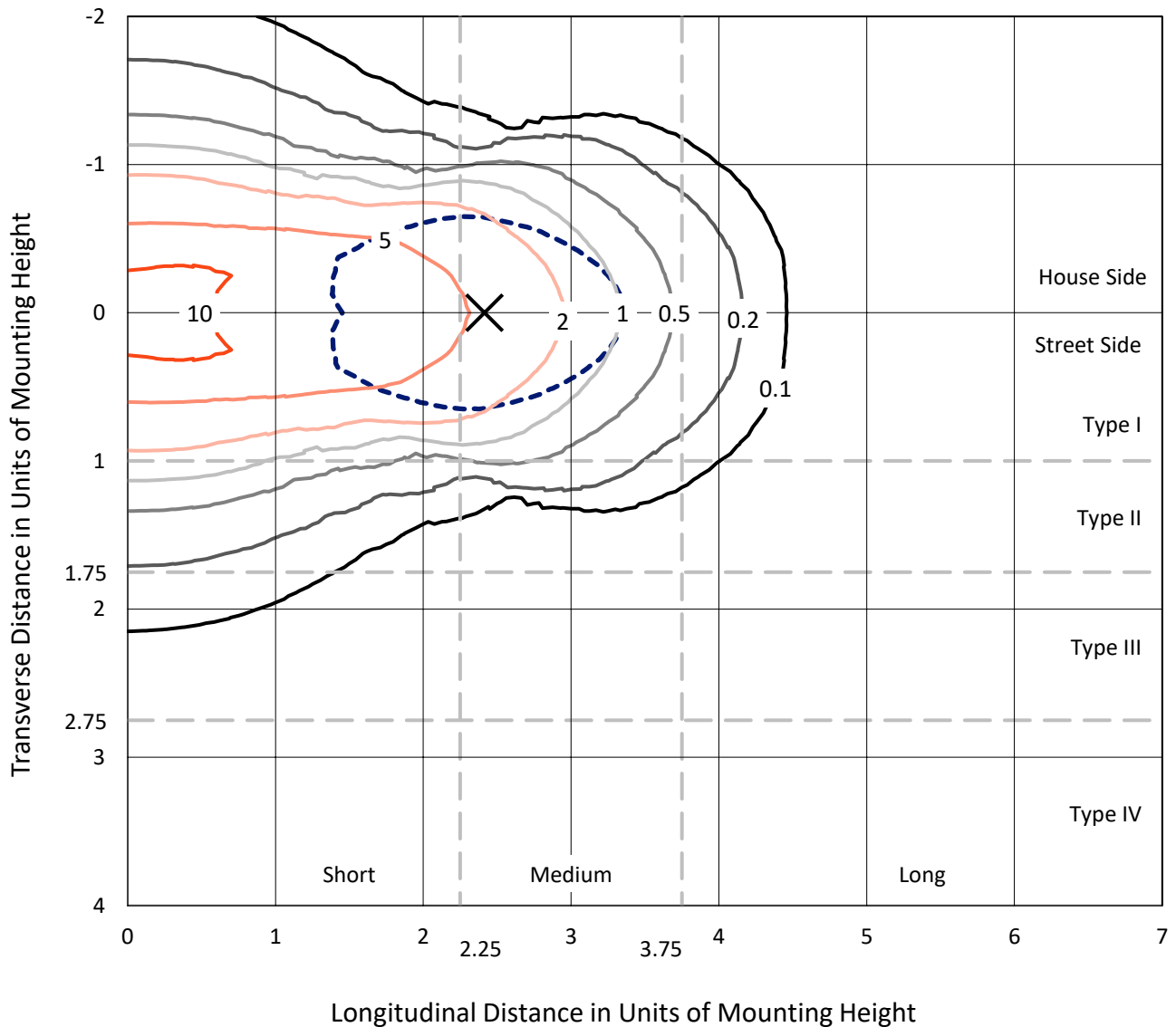
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

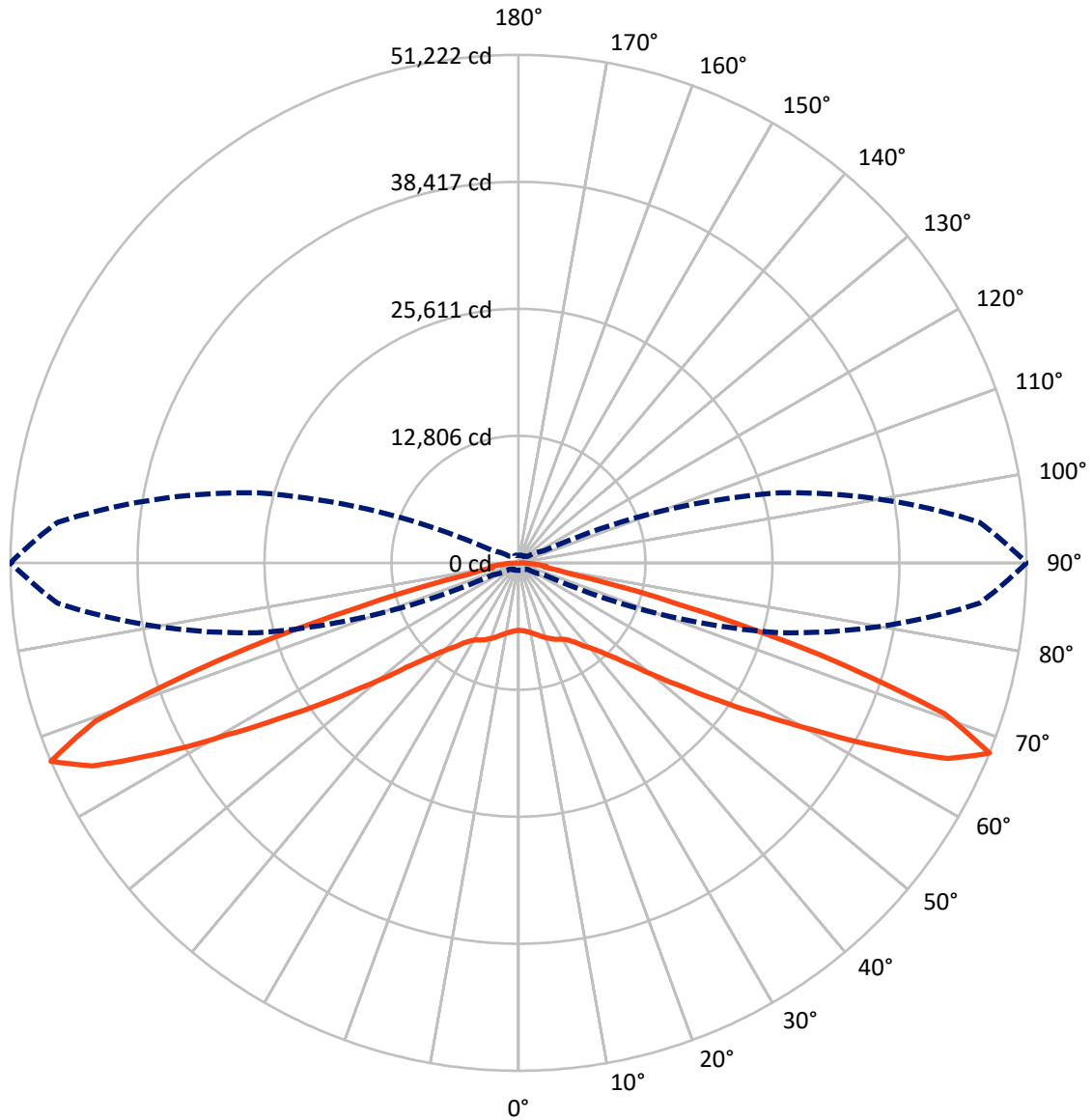
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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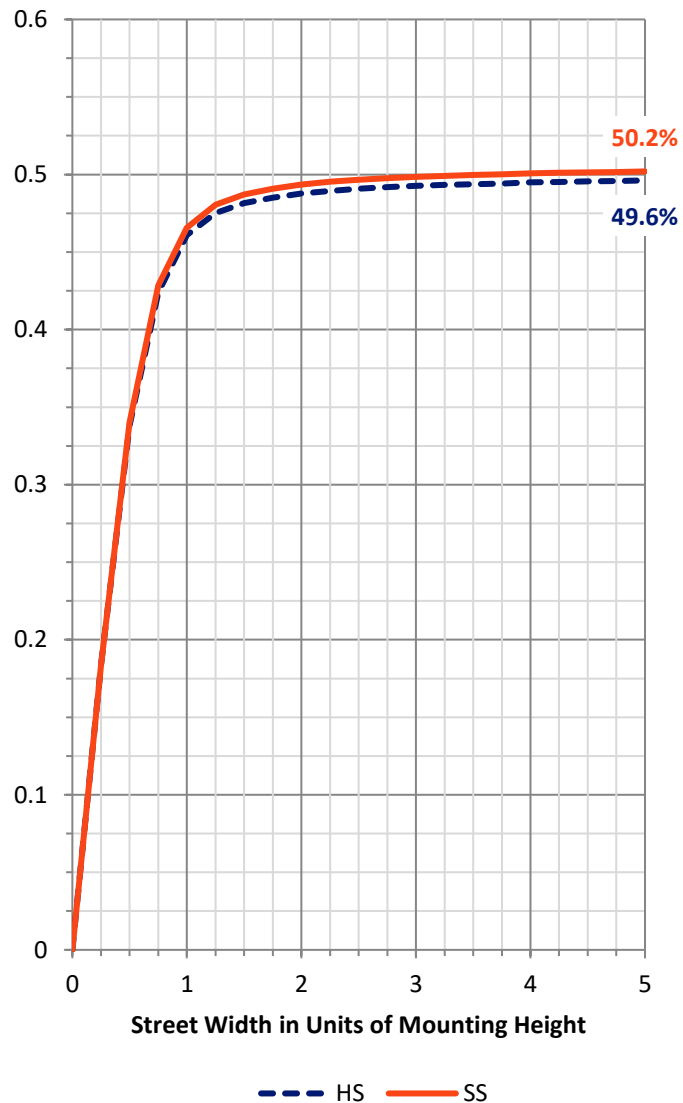
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19255.9	0.0	19255.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19255.9	0.0	19255.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	38511.9	0.0	38511.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.7	1.8
10°-20°	2174.8	5.6
20°-30°	3640.0	9.5
30°-40°	4931.3	12.8
40°-50°	6246.3	16.2
50°-60°	7803.2	20.3
60°-70°	9172.3	23.8
70°-80°	3508.8	9.1
80°-90°	355.5	0.9
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°	38511.9	100.0
0°-180°	38511.9	100.0

Coefficient of Utilization

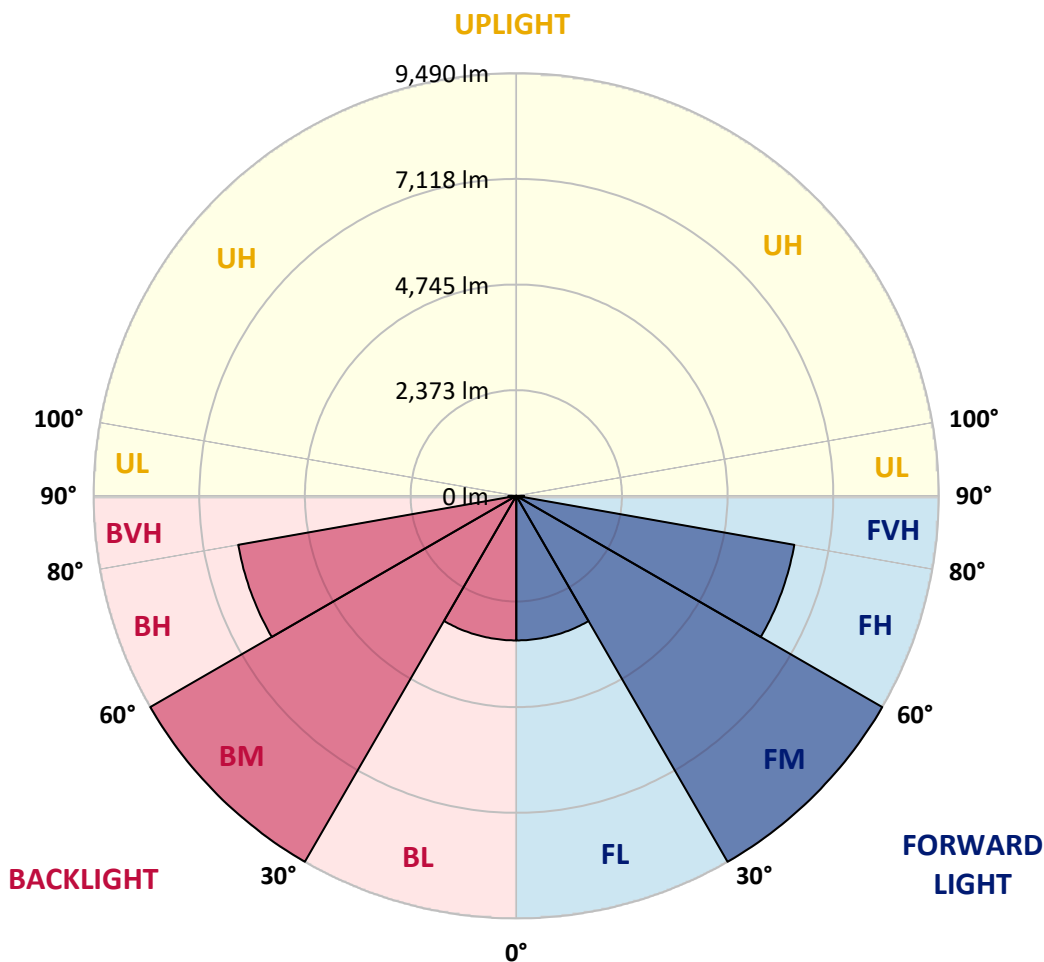


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3247.3	8.4			
FM (30°-60°)	9490.4	24.6			
FH (60°-80°)	6340.6	16.5			G3/7500
FVH (80°-90°)	177.7	0.5			G2/225
BL (0°-30°)	3247.3	8.4	B4/5000		
BM (30°-60°)	9490.4	24.6	B5		
BH (60°-80°)	6340.6	16.5	B5		G5
BVH (80°-90°)	177.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6817.8	6817.8	6817.8	6817.8	6817.8	6817.8	6817.8	6817.8	6817.8	6817.8	6817.8
2.5°	6905.3	6901.0	6903.1	6901.0	6907.4	6903.1	6877.5	6856.2	6839.1	6841.3	6834.9
5°	7052.4	7054.6	7056.7	7046.0	7061.0	7052.4	7011.8	6977.8	6943.6	6930.8	6926.6
7.5°	7174.0	7184.6	7191.0	7201.7	7227.3	7227.3	7205.9	7156.9	7082.2	7039.6	7037.5
10°	7295.5	7304.0	7323.3	7357.3	7400.0	7440.5	7432.0	7365.9	7269.9	7197.4	7180.4
12.5°	7338.1	7348.8	7412.8	7510.9	7606.8	7685.7	7685.7	7632.4	7508.8	7397.9	7365.9
15°	7188.9	7208.0	7323.3	7532.2	7783.9	7956.6	7995.0	7920.4	7788.2	7617.5	7579.1
17.5°	6892.4	6939.3	7107.8	7417.0	7835.0	8193.3	8304.2	8268.0	8097.3	7879.8	7835.0
20°	6574.7	6625.9	6805.0	7214.4	7792.4	8332.0	8654.0	8662.5	8451.4	8135.7	8069.6
22.5°	6224.9	6263.3	6493.7	6973.5	7664.5	8363.9	8954.6	9101.8	8816.0	8391.7	8297.8
25°	5832.6	5875.2	6116.2	6634.4	7423.4	8327.7	9229.7	9553.9	9197.8	8664.6	8545.1
27.5°	5457.2	5474.3	5732.3	6259.1	7105.7	8233.8	9432.3	9969.7	9620.0	8890.6	8739.3
30°	5096.8	5137.3	5365.5	5885.9	6741.0	8050.4	9607.2	10443.2	10074.3	9127.4	8933.3
32.5°	4715.1	4764.2	5011.5	5538.2	6376.4	7775.3	9713.8	10961.3	10707.6	9511.2	9304.4
35°	4348.3	4380.3	4629.8	5141.6	6020.2	7455.5	9733.1	11545.7	11524.4	10093.4	9818.3
37.5°	3973.0	4019.9	4271.5	4762.0	5642.8	7116.4	9637.0	12166.2	12509.6	10901.6	10605.3
40°	3612.6	3653.1	3900.5	4395.2	5214.1	6702.7	9408.9	12733.6	13659.1	11733.4	11313.2
42.5°	3220.2	3230.9	3501.7	4004.9	4794.0	6222.8	9080.4	13238.9	14940.8	12848.7	12326.2
45°	2774.5	2802.2	3053.8	3548.6	4312.1	5685.4	8634.7	13656.9	16565.8	14394.8	13682.6
47.5°	2328.7	2352.2	2582.5	3070.9	3785.3	5069.1	7948.0	14023.8	18233.4	16358.9	15424.9
50°	1893.7	1906.5	2094.2	2527.1	3192.4	4420.8	7097.2	14141.0	20118.6	19139.7	17947.7
52.5°	1497.1	1516.2	1659.1	1998.2	2559.1	3655.2	6178.1	13851.0	22319.4	22436.7	20756.2
55°	1213.4	1219.8	1326.4	1575.9	2000.3	2853.3	5069.1	13042.7	24686.5	26661.3	24518.1
57.5°	1044.9	1049.2	1108.9	1247.5	1539.7	2151.8	3932.4	11513.7	26812.8	31611.0	28855.7
60°	949.0	951.1	985.2	1066.3	1219.8	1650.6	2817.1	9355.5	28911.1	37119.4	34246.9
62.5°	889.3	889.3	912.7	957.6	1032.2	1266.7	2040.9	6749.5	30348.5	42708.8	40891.9
65°	831.7	831.7	848.7	880.8	921.2	1036.4	1507.7	4401.6	30312.2	46780.0	47575.4
67.5°	765.6	765.6	778.3	810.4	833.9	891.4	1164.4	2883.2	27228.6	46690.4	51222.0
70°	686.7	686.7	703.7	731.5	750.7	786.9	919.1	1972.6	20003.4	39866.2	45553.7
72.5°	607.8	609.9	620.6	648.3	663.2	684.6	763.5	1381.9	12270.8	27145.4	31851.9
75°	520.3	524.6	535.3	563.0	575.8	584.3	644.0	985.2	6207.9	14635.8	16663.8
77.5°	420.1	428.7	435.0	464.9	473.4	486.3	531.0	712.2	2725.4	5258.9	5305.8
80°	307.0	317.7	336.9	364.7	371.0	379.6	405.2	505.4	1234.8	2401.3	2608.1
82.5°	226.1	240.9	217.5	253.8	253.8	243.1	285.8	339.1	567.3	2377.8	2844.9
85°	123.7	125.8	113.0	130.1	138.6	136.5	151.4	166.3	275.1	1586.6	1635.7
87.5°	29.9	32.0	34.1	40.5	49.0	49.0	53.3	46.9	89.6	513.9	294.3
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)