

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: P651447

Luminaire Tested: **GALN-SA6D-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651447
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-SA6D-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA 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: 33804.8 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

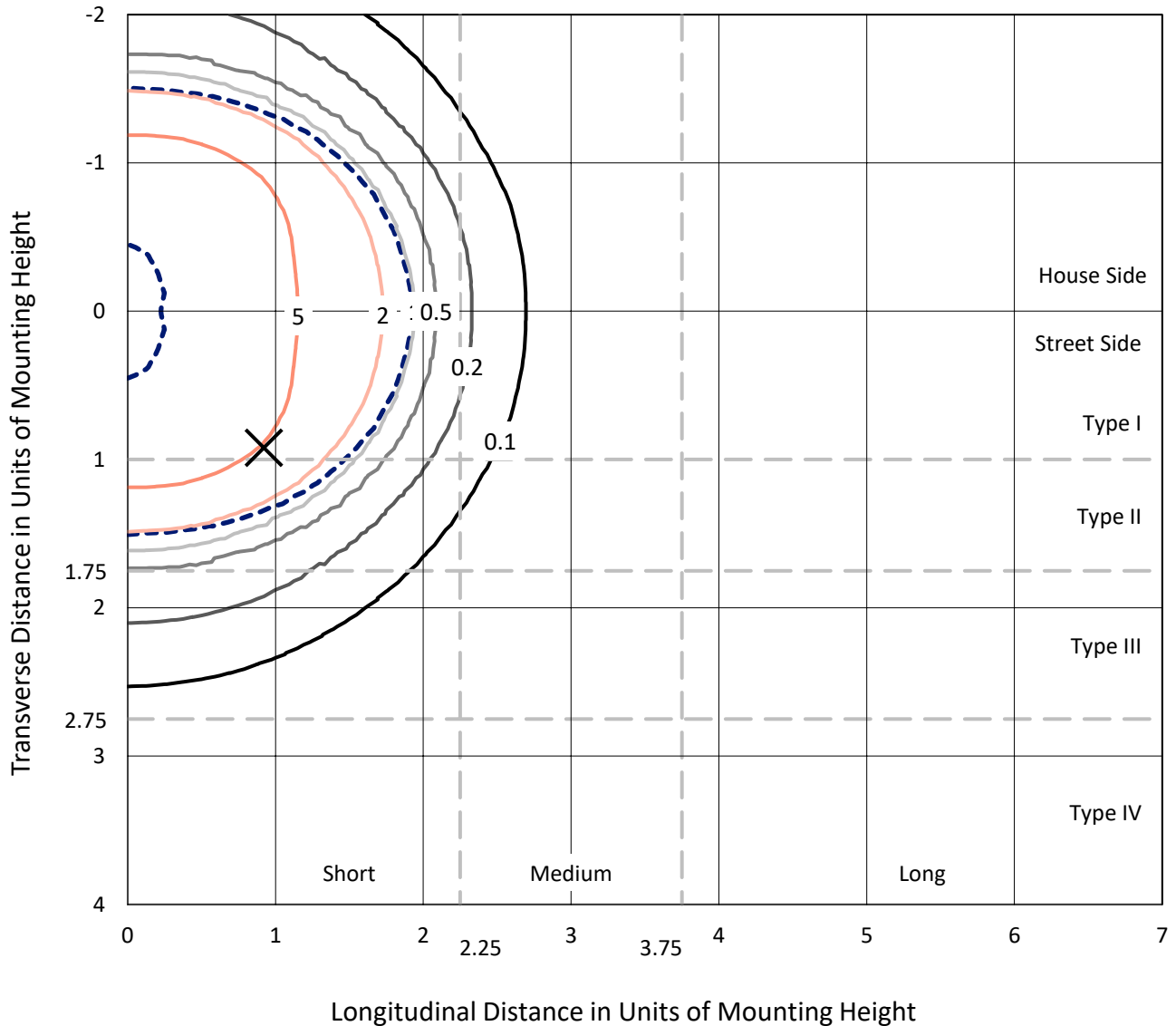
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

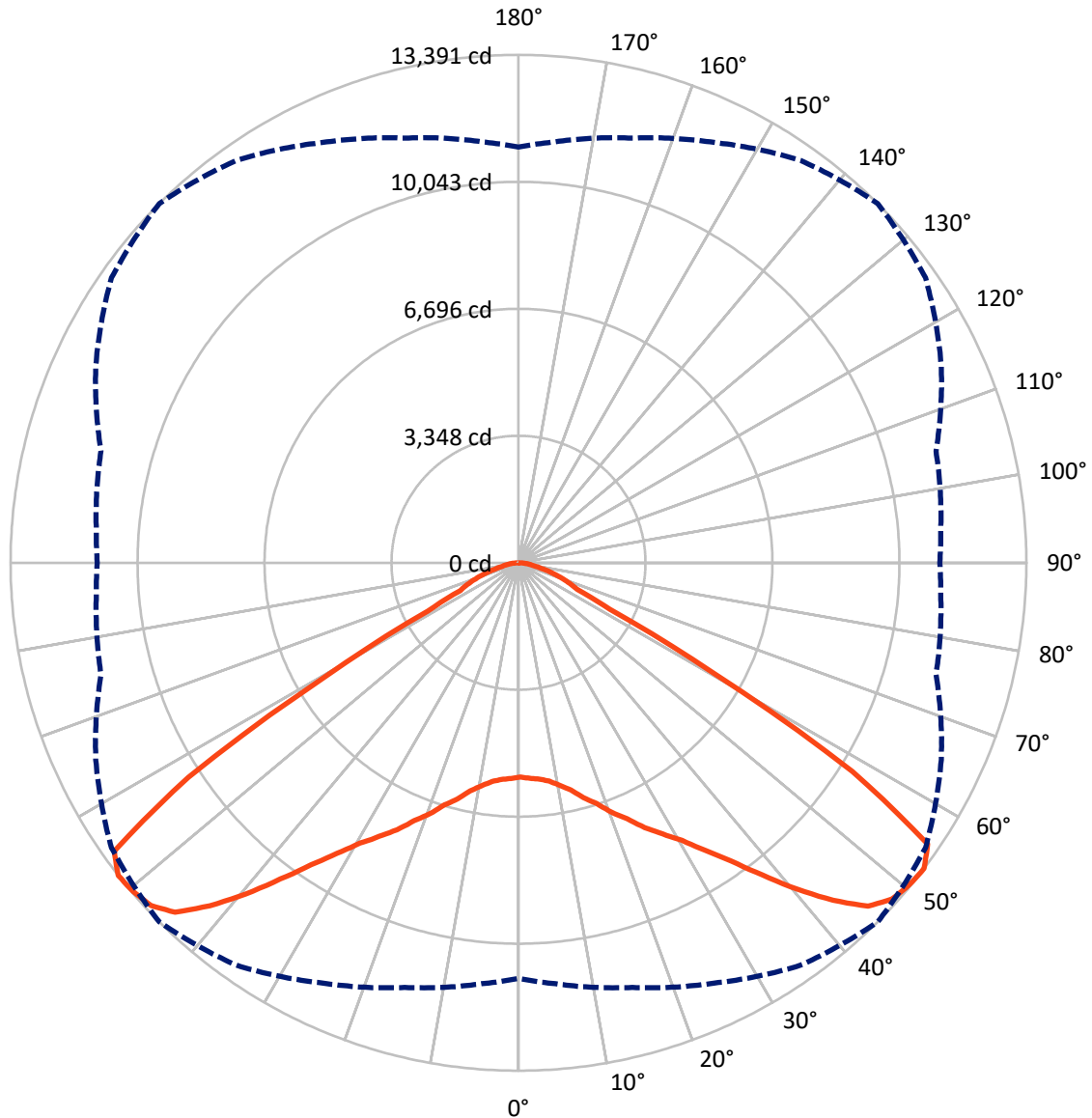
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	16902.4	0.0	16902.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16902.4	0.0	16902.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	33804.8	0.0	33804.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.2	1.6
10°-20°	1824.3	5.4
20°-30°	3473.2	10.3
30°-40°	5963.8	17.6
40°-50°	9166.5	27.1
50°-60°	9308.4	27.5
60°-70°	2594.1	7.7
70°-80°	765.2	2.3
80°-90°	154.1	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°	33804.8	100.0
0°-180°	33804.8	100.0

Coefficient of Utilization



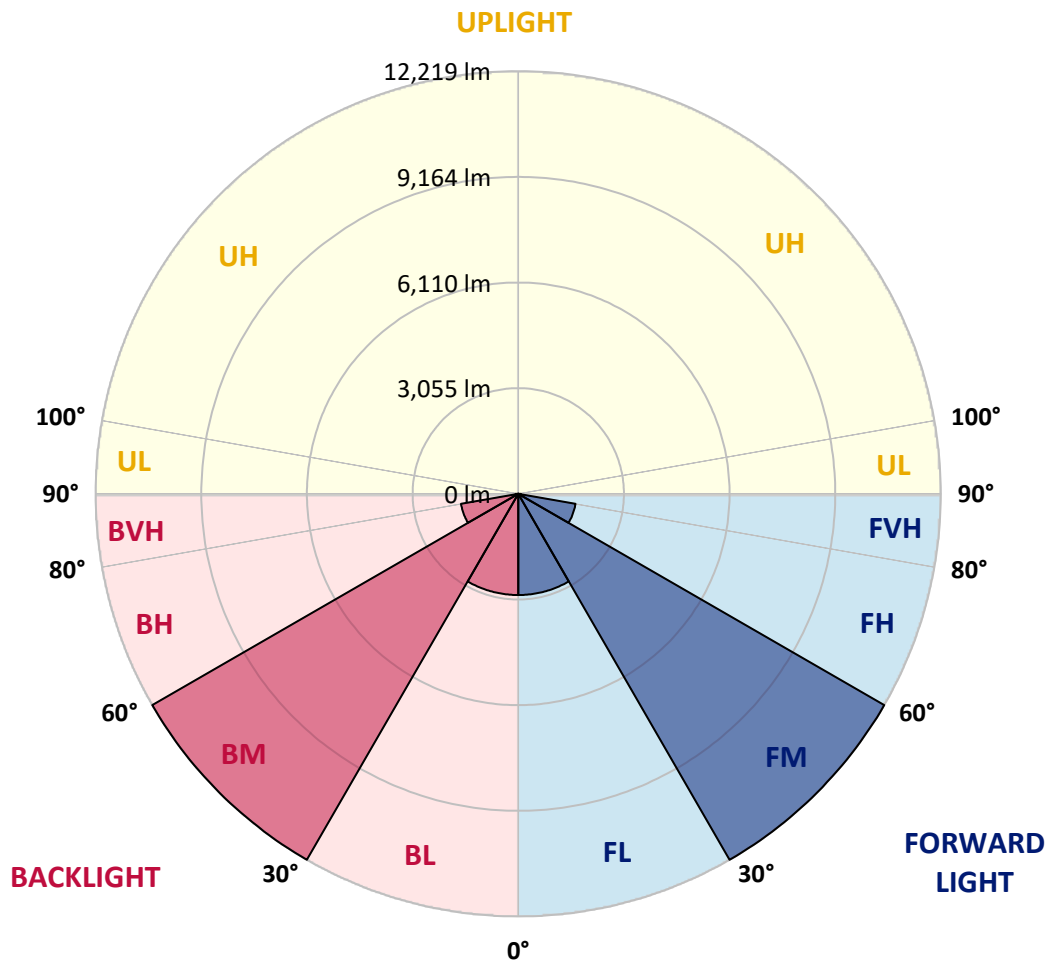
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2926.4	8.7			
FM (30°-60°)	12219.3	36.1			
FH (60°-80°)	1679.7	5.0			G1/1800
FVH (80°-90°)	77.1	0.2			G1/100
BL (0°-30°)	2926.4	8.7	B4/5000		
BM (30°-60°)	12219.3	36.1	B5		
BH (60°-80°)	1679.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	77.1	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°	5650.9	5650.9	5650.9	5650.9	5650.9	5650.9	5650.9	5650.9	5650.9	5650.9	5650.9
2.5°	5663.5	5604.8	5625.8	5638.3	5692.9	5688.7	5676.1	5692.9	5709.6	5713.8	5705.4
5°	5659.3	5617.4	5634.1	5646.7	5701.3	5730.7	5722.2	5793.6	5843.9	5831.3	5894.2
7.5°	5625.8	5650.9	5629.9	5692.9	5739.0	5810.3	5885.8	5953.0	6015.9	6087.2	6099.8
10°	5701.3	5701.3	5739.0	5789.4	5911.1	5965.5	6074.6	6171.1	6292.8	6376.7	6343.2
12.5°	5780.9	5793.6	5793.6	5923.6	6024.3	6145.9	6246.6	6376.7	6548.7	6649.4	6699.7
15°	5860.7	5869.1	5911.1	6087.2	6238.3	6431.2	6523.6	6641.0	6737.5	6926.2	6930.4
17.5°	5932.0	5978.2	6104.0	6301.2	6490.0	6674.5	6821.4	6943.0	7027.0	7102.5	7085.7
20°	6200.5	6234.1	6364.1	6561.3	6842.4	7022.8	7073.1	7094.1	7148.6	7299.6	7253.5
22.5°	6460.6	6473.2	6594.9	6896.9	7094.1	7333.2	7387.8	7375.1	7396.1	7433.9	7501.0
25°	6729.1	6750.0	6917.9	7173.8	7450.7	7735.9	7782.1	7685.6	7656.2	7698.2	7702.4
27.5°	7073.1	7077.3	7291.2	7513.6	7828.2	8096.7	8168.0	8092.5	7954.1	7987.6	8042.1
30°	7509.4	7480.0	7694.0	8012.8	8344.2	8495.3	8616.9	8579.2	8428.2	8398.8	8352.6
32.5°	8012.8	8021.2	8214.2	8562.4	8780.5	9032.3	9162.3	9099.4	9002.9	8952.5	8981.9
35°	8721.8	8759.5	8889.6	9179.1	9531.5	9657.4	9862.9	9728.7	9477.0	9539.9	9594.4
37.5°	9304.9	9414.0	9657.4	10001.3	10211.1	10441.9	10517.4	10337.0	10152.4	10076.9	10257.3
40°	10198.5	10164.9	10433.4	10777.4	11087.9	11318.6	11222.1	11041.7	10584.5	10588.7	10639.0
42.5°	10966.2	10983.0	11188.6	11599.7	12023.4	12166.1	11859.8	11419.4	10911.7	10857.1	10966.2
45°	11612.3	11679.4	11796.9	12346.5	12761.8	12917.0	12350.7	11830.4	11150.8	10924.3	11104.6
47.5°	11843.0	11952.1	12208.0	12711.5	13122.5	13248.4	12795.3	12048.6	11373.2	11004.0	11100.4
50°	11876.6	11838.8	12258.3	12719.8	13080.6	13353.3	12954.8	12208.0	11318.6	11125.7	11096.3
52.5°	10957.8	11142.4	11591.3	12224.8	12954.8	13391.1	13097.4	12296.1	11394.1	11176.0	11104.6
55°	8868.6	8650.5	9468.6	10534.1	11876.6	13089.0	13047.0	12342.3	11440.3	11259.9	11163.4
57.5°	4950.3	5013.3	5474.7	6632.6	8365.2	10378.9	11599.7	11855.6	11419.4	11314.4	11364.8
60°	2290.5	2311.6	2508.7	3049.9	4123.8	5885.8	7492.6	9124.5	9875.4	10026.5	10026.5
62.5°	1707.5	1699.1	1749.4	1845.9	2072.4	2705.9	3612.1	4908.4	5940.4	6662.0	6850.8
65°	1543.8	1539.6	1564.8	1598.4	1615.1	1703.3	1904.6	2303.2	2638.8	2831.7	2798.2
67.5°	1350.8	1346.7	1355.0	1376.0	1405.4	1451.6	1501.9	1585.8	1703.3	1694.9	1673.8
70°	1090.8	1090.8	1103.3	1120.1	1153.7	1208.2	1267.0	1325.7	1426.3	1447.4	1443.2
72.5°	805.5	792.9	818.0	851.6	885.2	952.3	1015.3	1069.8	1141.1	1162.1	1153.7
75°	511.8	520.2	537.0	574.7	633.4	679.6	746.7	792.9	839.1	855.8	860.0
77.5°	285.3	293.7	323.0	369.2	427.9	478.3	537.0	574.7	604.1	608.3	612.5
80°	172.0	176.2	205.5	247.5	297.9	352.4	398.5	436.3	461.5	448.9	444.7
82.5°	104.9	109.1	134.2	172.0	214.0	255.9	306.2	339.8	365.0	348.2	331.4
85°	54.5	58.7	79.7	104.9	138.4	159.5	159.5	142.6	138.4	130.0	125.9
87.5°	16.8	16.8	20.9	25.1	20.9	25.1	29.4	33.6	33.6	37.8	33.6
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)