

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: P651437

Luminaire Tested: **GALN-SA6D-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34749.3 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

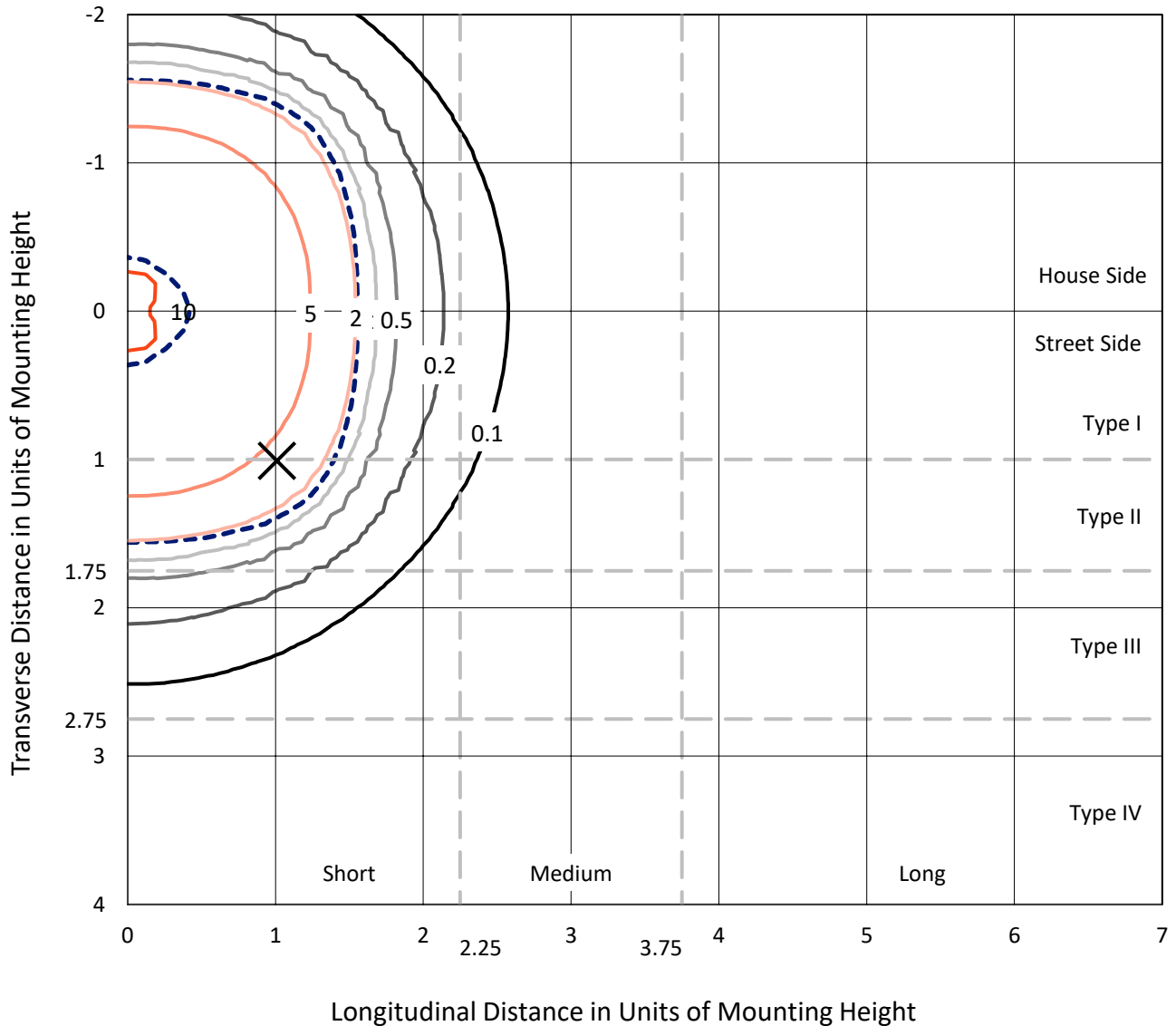
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

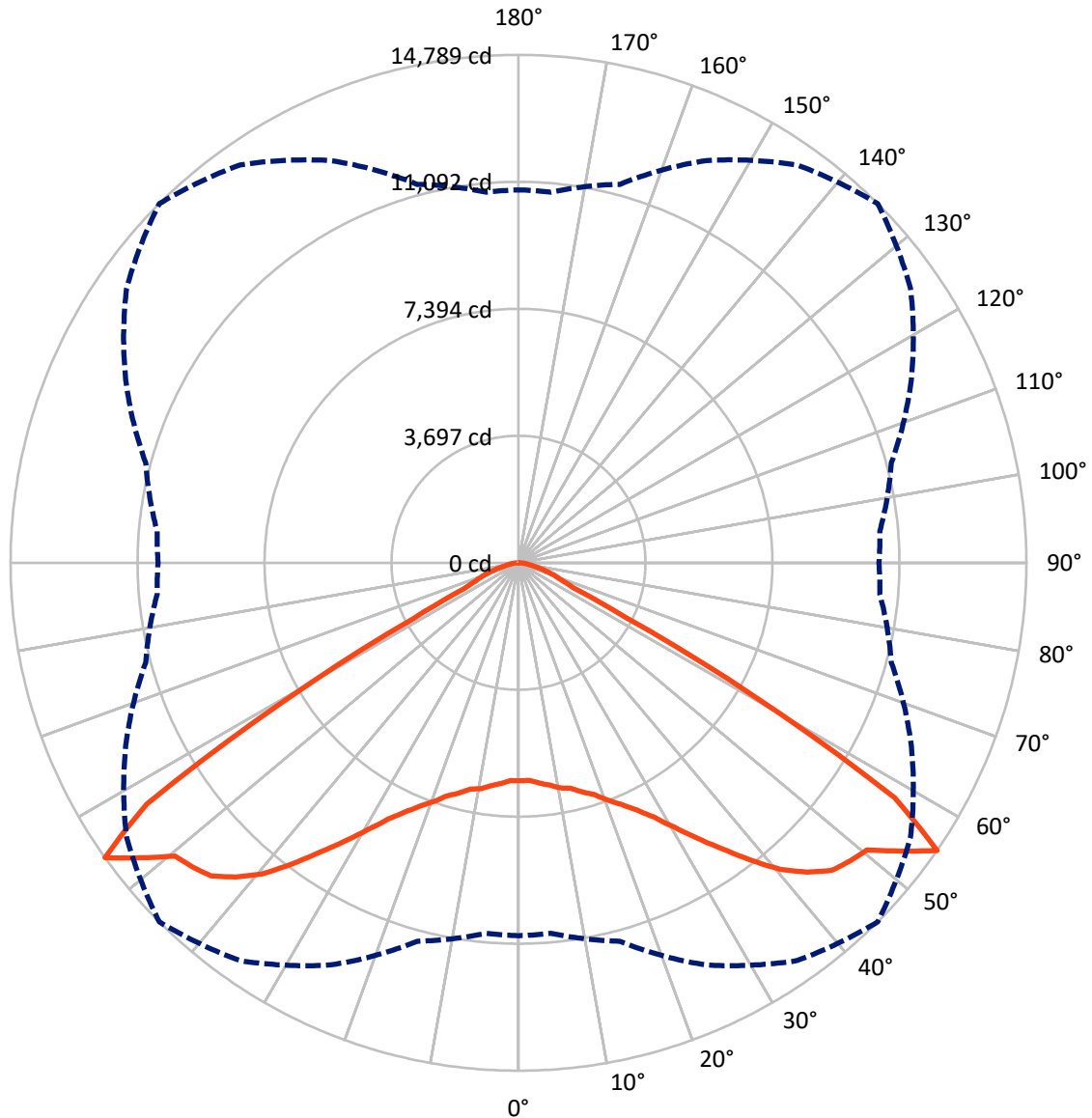
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17374.6	0.0	17374.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17374.6	0.0	17374.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	34749.3	0.0	34749.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.8	1.8
10°-20°	1963.9	5.7
20°-30°	3662.0	10.5
30°-40°	6131.4	17.6
40°-50°	9541.0	27.5
50°-60°	9906.6	28.5
60°-70°	2100.9	6.0
70°-80°	691.9	2.0
80°-90°	131.8	0.4
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°	34749.3	100.0
0°-180°	34749.3	100.0

Coefficient of Utilization

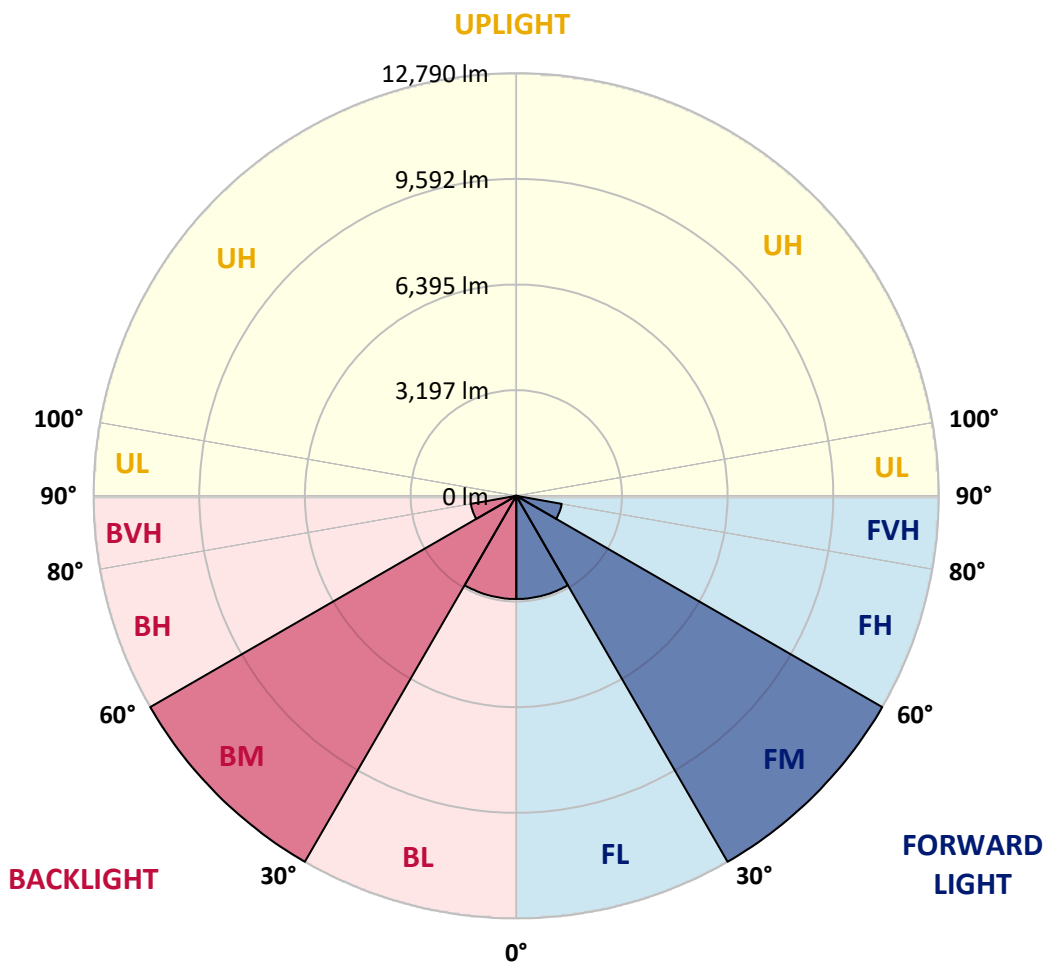


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3122.9	9.0			
FM (30°-60°)	12789.5	36.8			
FH (60°-80°)	1396.4	4.0			G1/1800
FVH (80°-90°)	65.9	0.2			G1/100
BL (0°-30°)	3122.9	9.0	B4/5000		
BM (30°-60°)	12789.5	36.8	B5		
BH (60°-80°)	1396.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	65.9	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°	6344.7	6344.7	6344.7	6344.7	6344.7	6344.7	6344.7	6344.7	6344.7	6344.7	6344.7
2.5°	6420.3	6390.9	6340.5	6378.3	6407.7	6344.7	6369.9	6382.5	6374.1	6340.5	6353.1
5°	6512.6	6495.9	6453.8	6483.3	6445.5	6445.5	6420.3	6386.7	6437.1	6428.7	6449.7
7.5°	6512.6	6491.7	6575.6	6521.0	6537.8	6537.8	6495.9	6462.2	6487.5	6449.7	6428.7
10°	6642.8	6672.2	6634.4	6647.0	6638.6	6668.0	6605.0	6584.0	6563.1	6550.5	6525.2
12.5°	6798.2	6777.2	6789.8	6781.4	6810.8	6735.2	6697.4	6651.2	6689.0	6634.4	6672.2
15°	6924.1	6911.6	6924.1	6957.8	6928.3	6924.1	6857.0	6810.8	6752.0	6764.6	6705.8
17.5°	7096.4	7083.7	7087.9	7117.3	7113.1	7092.2	7041.8	6953.6	6932.5	6899.0	6861.2
20°	7352.4	7331.5	7323.1	7335.7	7356.6	7373.5	7272.7	7239.1	7167.7	7113.1	7050.1
22.5°	7570.9	7562.4	7596.0	7541.4	7587.6	7638.0	7541.4	7524.6	7348.2	7318.9	7251.7
25°	7873.1	7860.6	7839.5	7919.4	7973.9	7969.7	7877.3	7785.0	7650.6	7617.0	7617.0
27.5°	8192.3	8120.9	8230.0	8251.1	8347.6	8377.0	8297.2	8162.8	8036.9	7965.5	7982.4
30°	8591.2	8524.0	8549.2	8700.3	8826.3	8935.5	8734.0	8536.6	8360.2	8234.2	8213.3
32.5°	8990.0	8922.9	8998.4	9145.5	9397.4	9561.2	9363.8	9019.5	8813.7	8629.0	8666.8
35°	9313.4	9363.8	9485.6	9708.1	9968.5	10233.0	9918.1	9653.5	9359.6	9153.9	9183.2
37.5°	9834.1	9989.4	10086.0	10342.1	10711.6	10984.6	10657.1	10312.8	9997.8	9729.1	9636.7
40°	10514.4	10619.3	10728.5	11030.8	11467.5	11740.4	11429.7	10980.4	10669.7	10392.6	10380.0
42.5°	11261.7	11362.5	11475.9	11845.4	12105.8	12311.5	12026.0	11786.6	11442.3	11224.0	11211.4
45°	12130.9	12059.5	12185.5	12429.1	12647.4	12781.8	12597.0	12479.4	12231.7	12030.2	12009.1
47.5°	12710.4	12647.4	12874.2	13092.5	13126.1	12979.2	13016.9	13126.1	12865.8	12534.0	12639.1
50°	13046.3	13046.3	13197.5	13399.1	13336.1	13147.1	13445.2	13453.6	13193.3	12899.3	12899.3
52.5°	12462.7	12592.8	13021.1	13680.4	13890.3	13944.9	13877.7	13592.2	12912.0	12311.5	12282.1
55°	10858.7	10829.2	11408.7	12920.4	14142.3	14788.9	13932.3	12618.0	11236.5	10560.5	10493.3
57.5°	7062.7	7096.4	7961.3	9502.4	11706.8	12912.0	11467.5	9619.9	7961.3	7029.2	7117.3
60°	3178.6	3292.0	3816.9	4967.5	6861.2	7843.8	6878.0	5219.3	4005.9	3476.8	3522.9
62.5°	1826.6	1847.6	1868.5	2217.0	2922.5	3455.8	3035.8	2343.0	2065.9	1973.6	1973.6
65°	1541.0	1528.4	1532.6	1562.0	1637.6	1746.8	1700.6	1637.6	1646.0	1637.6	1625.0
67.5°	1310.1	1326.8	1314.3	1335.3	1339.5	1356.3	1385.6	1410.9	1415.1	1423.5	1415.1
70°	1075.0	1079.2	1087.6	1104.3	1108.5	1121.1	1163.1	1184.1	1196.7	1196.7	1213.5
72.5°	823.0	818.8	827.2	844.0	865.0	869.2	907.0	936.4	953.2	932.2	936.4
75°	541.7	545.9	558.5	571.0	600.5	629.8	642.4	671.9	676.1	684.4	663.5
77.5°	323.4	331.7	344.3	369.5	394.7	419.9	449.3	470.3	478.7	470.3	445.1
80°	209.9	209.9	226.7	247.8	277.1	298.1	315.0	331.7	344.3	331.7	323.4
82.5°	130.2	130.2	151.1	176.4	197.4	209.9	235.1	256.2	268.7	260.4	247.8
85°	67.2	71.4	88.2	109.2	126.0	134.4	130.2	117.6	105.0	100.8	92.3
87.5°	21.0	21.0	25.2	25.2	21.0	21.0	25.2	21.0	25.2	25.2	25.2
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)