

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: P533478

Luminaire Tested: **GALN-SA8D-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8D-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

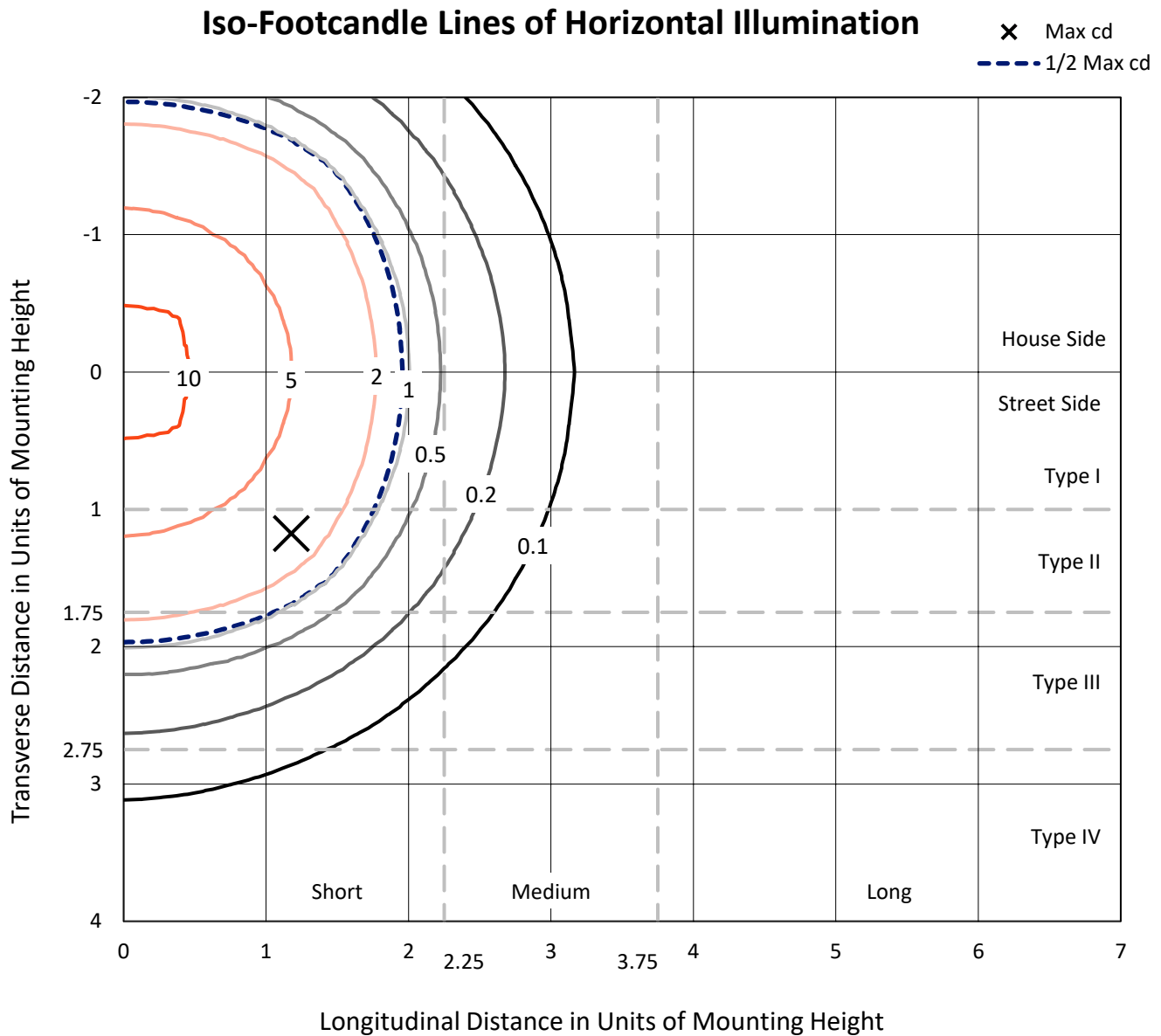
Lumens per Lamp: N/A
Luminaire Lumens: 42113 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 493
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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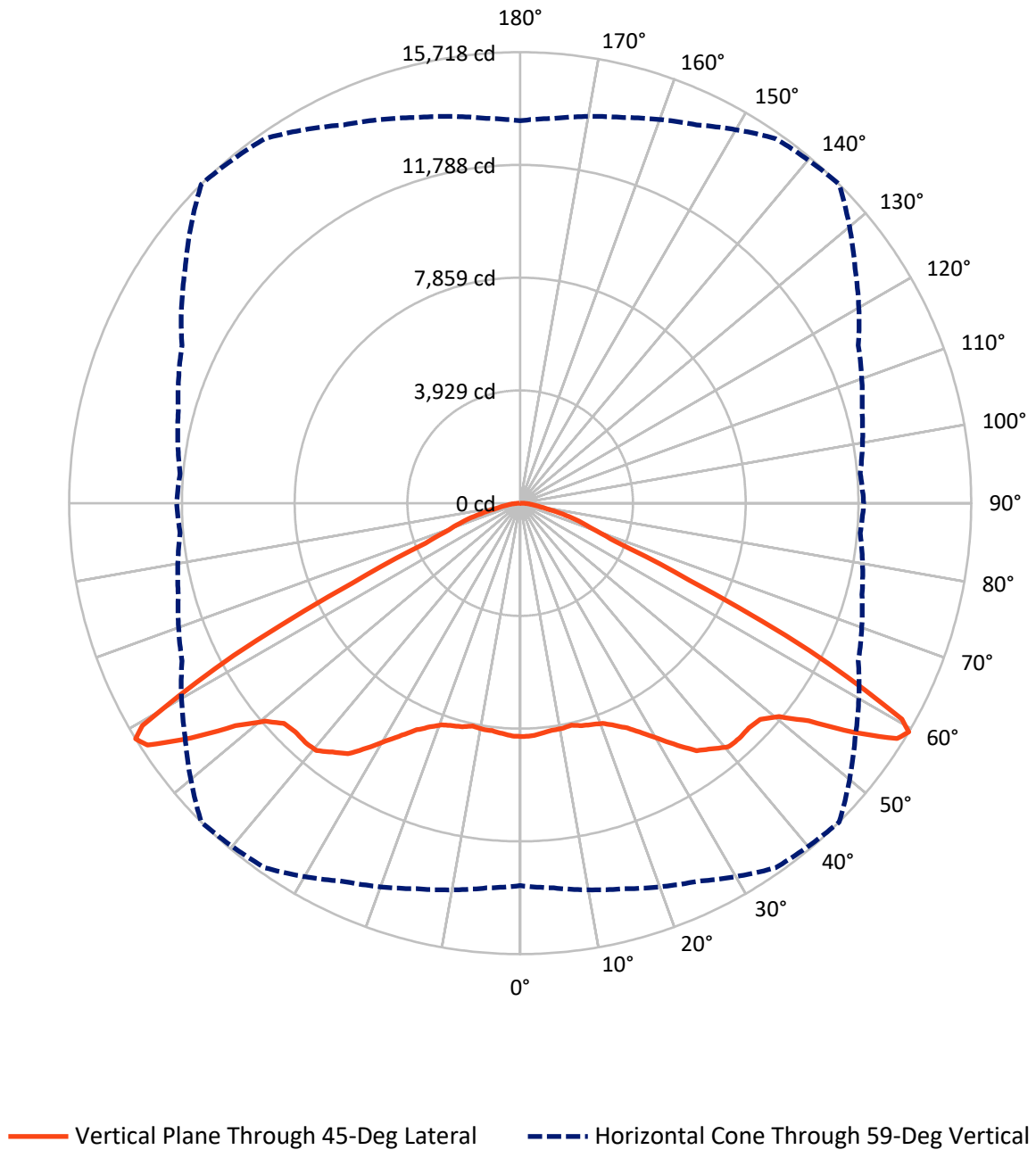


Based on 25 foot mounting height. Maximum calculated value = 13 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21056.5	0.0	21056.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21056.5	0.0	21056.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42113.0	0.0	42113.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.8	1.8
10°-20°	2280.3	5.4
20°-30°	3981.7	9.5
30°-40°	6359.3	15.1
40°-50°	8662.7	20.6
50°-60°	11714.3	27.8
60°-70°	6424.1	15.3
70°-80°	1643.5	3.9
80°-90°	280.3	0.7
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°	42113.0	100.0
0°-180°	42113.0	100.0

Coefficient of Utilization



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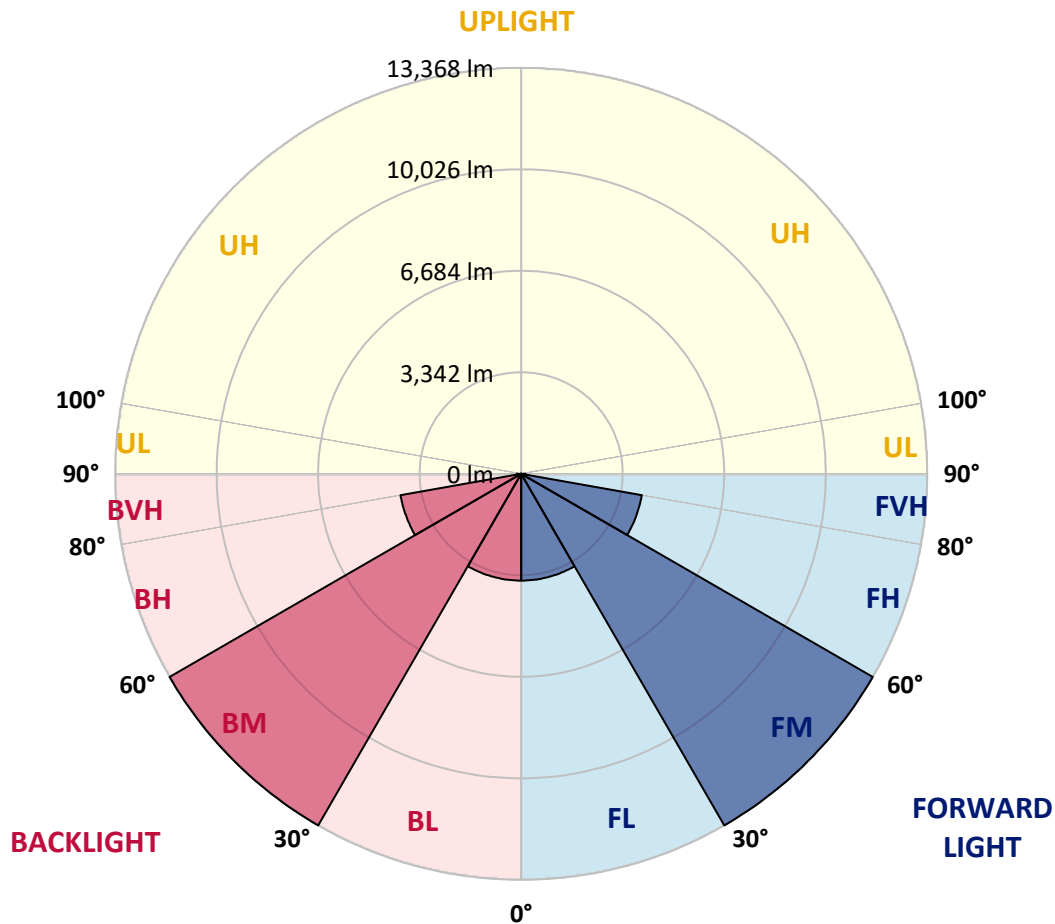
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3514.4	8.3			
FM	(30°-60°)	13368.1	31.7			
FH	(60°-80°)	4033.8	9.6			G2/5000
FVH	(80°-90°)	140.2	0.3			G2/225
BL	(0°-30°)	3514.4	8.3	B4/5000		
BM	(30°-60°)	13368.1	31.7	B5		
BH	(60°-80°)	4033.8	9.6	B4/5000		G2/5000
BVH	(80°-90°)	140.2	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°	8134.2	8134.2	8134.2	8134.2	8134.2	8134.2	8134.2	8134.2	8134.2	8134.2	8134.2
2.5°	8085.6	8145.0	8101.8	8139.6	8134.2	8118.0	8091.0	8074.8	8053.3	8085.6	8031.7
5°	8053.3	8101.8	8150.4	8085.6	8085.6	8053.3	8037.1	8004.7	8004.7	7999.3	7993.9
7.5°	8107.2	8058.7	8037.1	8047.9	8058.7	7988.5	8037.1	7972.3	7918.3	7956.1	7999.3
10°	8058.7	8080.2	7999.3	8037.1	7977.7	7988.5	7956.1	7999.3	7939.9	7939.9	7939.9
12.5°	8107.2	8047.9	8074.8	8047.9	8031.7	7939.9	7983.1	7934.5	7929.1	7983.1	7934.5
15°	8204.4	8107.2	8085.6	8031.7	8047.9	8047.9	8004.7	8010.1	7950.7	7983.1	7993.9
17.5°	8172.0	8118.0	8101.8	8037.1	8091.0	8107.2	8026.3	7972.3	8010.1	8004.7	7999.3
20°	8199.0	8220.6	8204.4	8215.2	8236.8	8193.6	8118.0	8042.5	7993.9	8064.0	8058.7
22.5°	8371.7	8350.1	8339.3	8328.5	8366.3	8409.5	8306.9	8188.2	8188.2	8236.8	8258.4
25°	8512.1	8506.7	8501.3	8549.8	8679.4	8679.4	8549.8	8398.7	8360.9	8393.3	8366.3
27.5°	8717.2	8776.5	8754.9	8841.3	9030.2	9073.4	8900.7	8722.6	8620.0	8582.2	8630.8
30°	9186.8	9116.6	9132.8	9224.5	9391.9	9532.2	9267.7	9078.8	8938.5	8933.1	8954.7
32.5°	9499.8	9553.8	9602.4	9688.7	9953.2	10061.2	9742.7	9435.0	9348.7	9300.1	9316.3
35°	10125.9	10077.4	10066.6	10152.9	10417.4	10595.5	10196.1	9926.2	9812.9	9920.8	9920.8
37.5°	10719.7	10584.7	10482.2	10595.5	10838.4	10860.0	10520.0	10374.2	10314.9	10439.0	10433.6
40°	11000.4	10989.6	10752.1	10816.8	11140.7	11173.1	10854.6	10681.9	10671.1	10833.0	10995.0
42.5°	11291.8	11189.3	10951.8	10995.0	11194.7	11205.5	10903.2	10854.6	10973.4	11129.9	11140.7
45°	11340.4	11254.0	11102.9	10995.0	11140.7	11173.1	10995.0	11027.3	11038.1	11227.1	11227.1
47.5°	11437.6	11426.8	11340.4	11259.4	11286.4	11259.4	11146.1	11194.7	11356.6	11448.4	11405.2
50°	11707.4	11594.1	11680.5	11610.3	11615.7	11691.3	11588.7	11637.3	11604.9	11523.9	11469.9
52.5°	12301.2	12247.2	12322.8	12371.4	12425.3	12598.1	12479.3	12220.2	11977.3	11761.4	11756.0
55°	13170.2	13208.0	13353.7	13602.0	13812.5	14087.8	13515.6	12894.9	12506.3	12166.2	12187.8
57.5°	13990.6	13963.7	14163.4	14730.1	15345.4	15485.8	14363.1	13477.9	12846.3	12630.4	12538.7
59°	13332.1	13461.7	13915.1	14546.6	15512.8	15717.9	14249.7	13002.9	12333.6	11896.4	11971.9
60°	12295.8	12344.4	12749.2	13629.0	14935.2	15286.1	13488.7	12268.8	11378.2	11124.5	11237.9
62.5°	8690.2	8652.4	8943.9	9661.7	10833.0	11308.0	10028.8	9170.6	8609.2	8328.5	8393.3
65°	4620.4	4793.1	4911.8	5359.8	5980.6	6482.5	5953.6	5581.1	5268.1	5036.0	5030.6
67.5°	3119.8	3098.2	3125.2	3227.8	3438.3	3578.6	3567.8	3378.9	3351.9	3308.7	3357.3
70°	2628.6	2617.8	2569.3	2569.3	2612.4	2644.8	2682.6	2704.2	2747.4	2801.4	2796.0
72.5°	2132.1	2105.1	2072.7	2056.5	2110.5	2126.7	2175.2	2196.8	2234.6	2229.2	2277.8
75°	1408.8	1408.8	1446.6	1489.7	1505.9	1538.3	1543.7	1608.5	1608.5	1619.3	1576.1
77.5°	788.1	766.5	793.5	836.6	874.4	933.8	993.2	1041.7	1068.7	1057.9	1057.9
80°	458.8	458.8	485.8	534.4	582.9	636.9	680.1	717.9	744.9	734.1	712.5
82.5°	286.1	286.1	313.1	361.6	399.4	431.8	491.2	539.8	572.1	561.4	534.4
85°	145.7	145.7	178.1	210.5	259.1	280.7	275.3	253.7	248.3	221.3	221.3
87.5°	37.8	37.8	54.0	59.4	48.6	54.0	54.0	54.0	54.0	54.0	59.4
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)