

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: P533477

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25893 lumens
Efficiency: N/A
Efficacy: 52.5 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

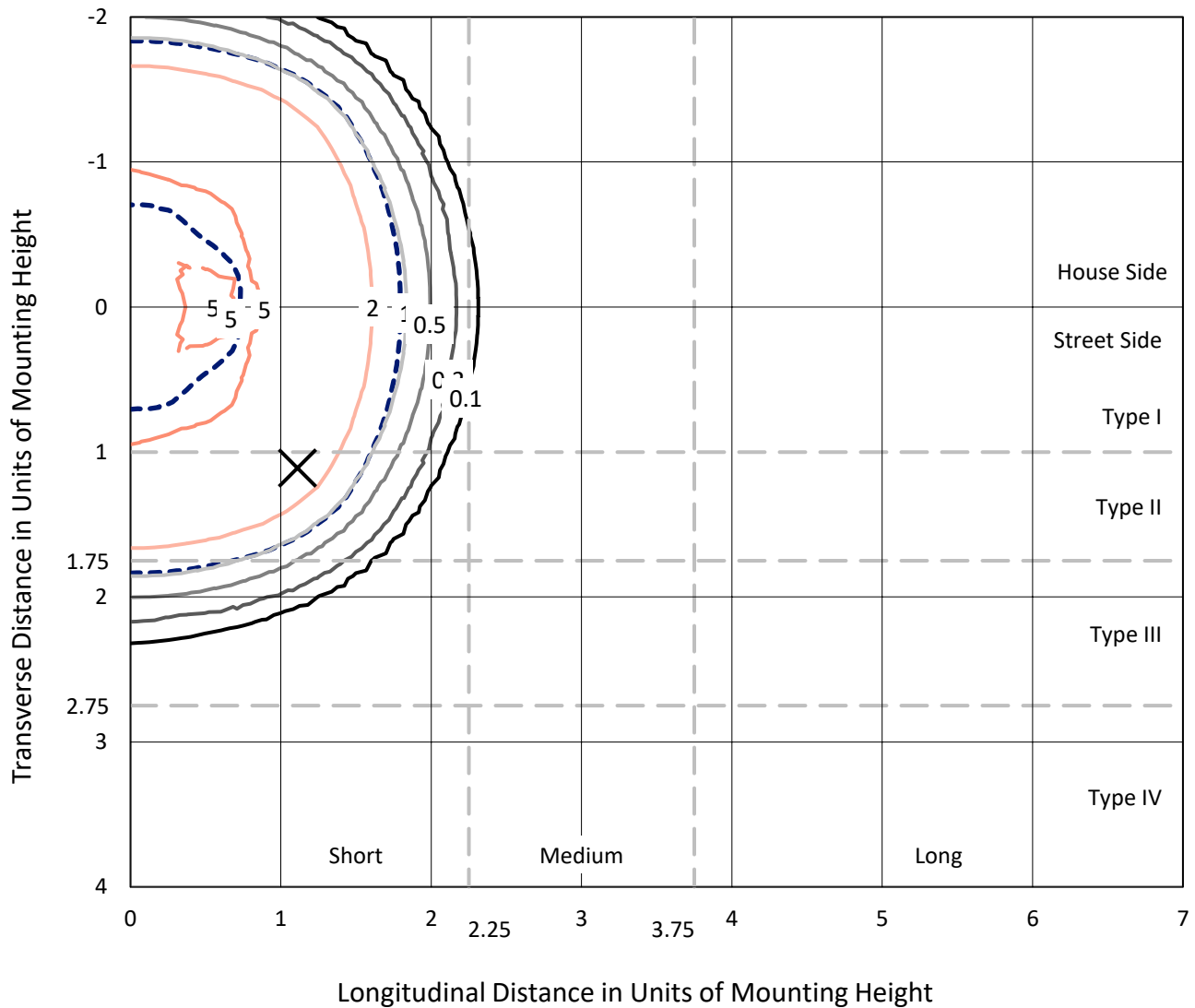
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

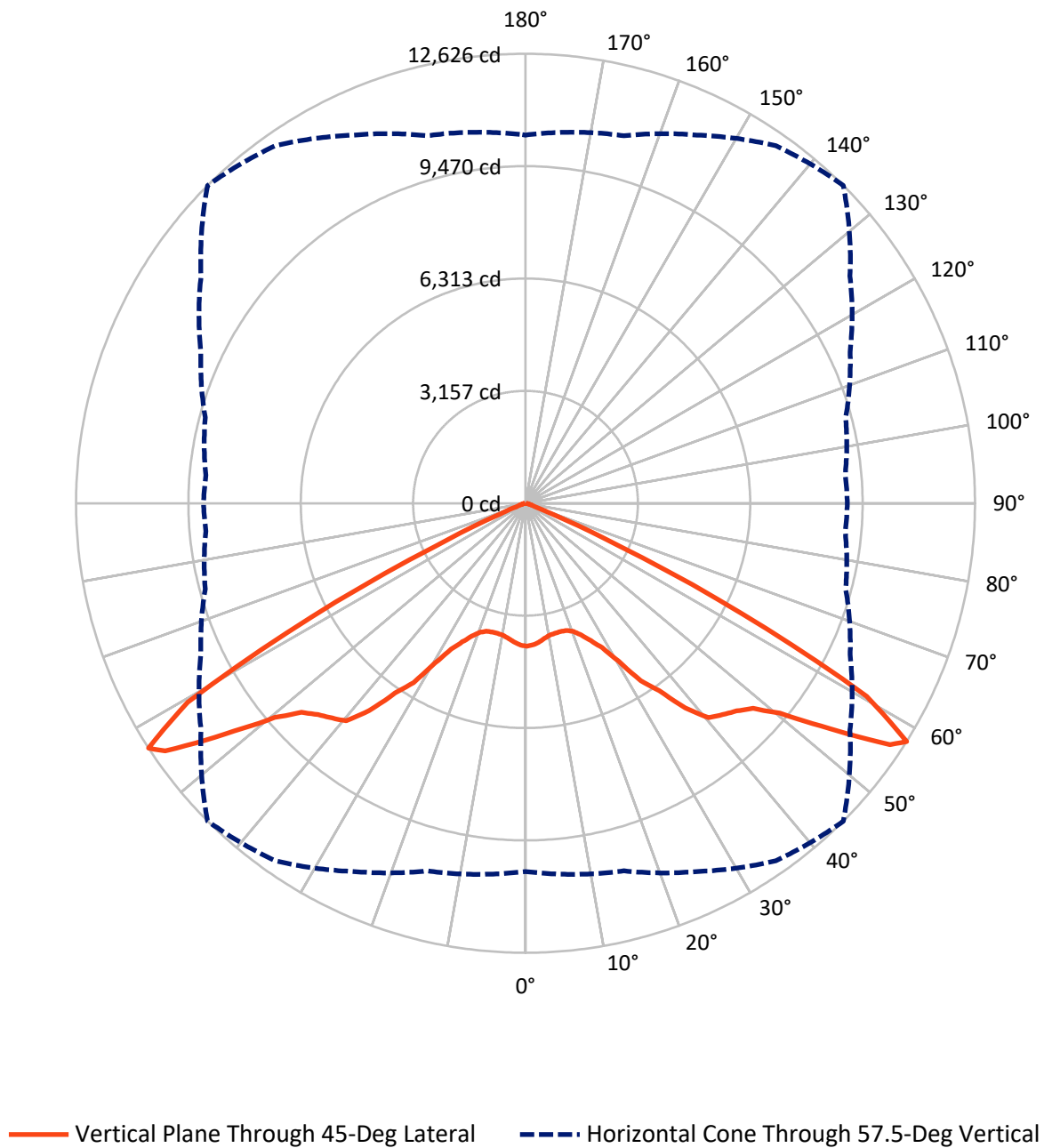


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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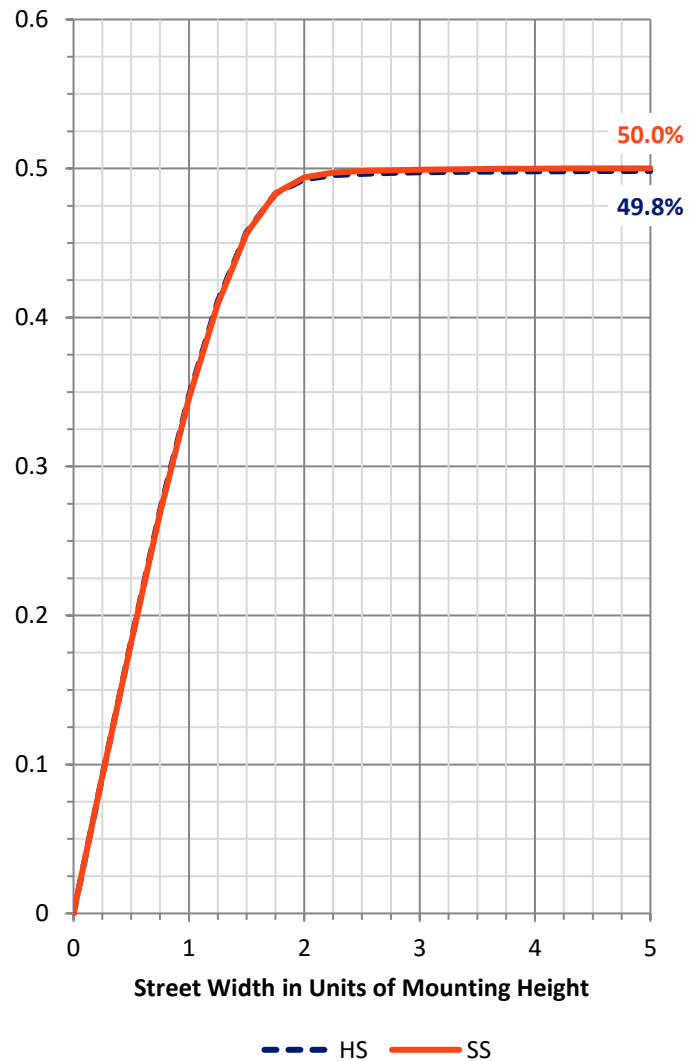
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12946.5	0.0	12946.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12946.5	0.0	12946.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25893.0	0.0	25893.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.1	1.4
10°-20°	1066.8	4.1
20°-30°	1969.2	7.6
30°-40°	3872.6	15.0
40°-50°	6307.4	24.4
50°-60°	8995.2	34.7
60°-70°	3114.3	12.0
70°-80°	167.1	0.6
80°-90°	31.4	0.1
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°	25893.0	100.0
0°-180°	25893.0	100.0

Coefficient of Utilization



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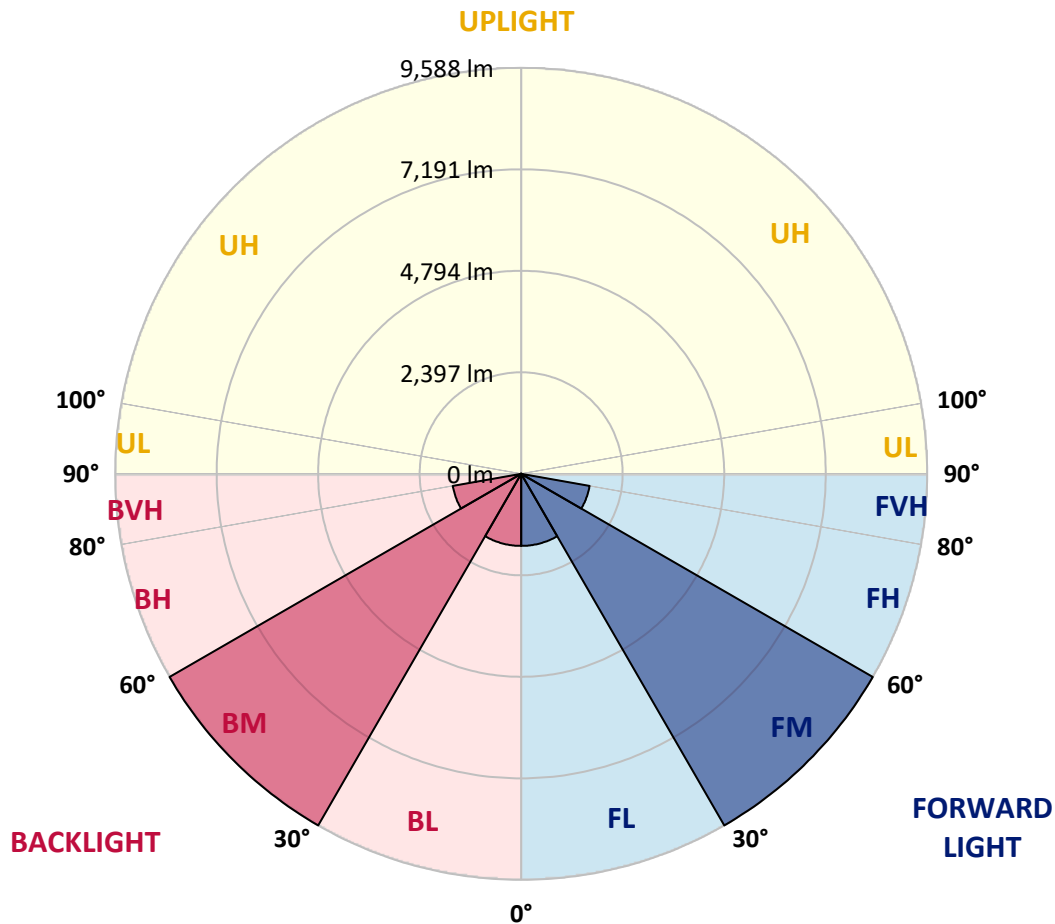
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1702.5	6.6			
FM	(30°-60°)	9587.6	37.0			
FH	(60°-80°)	1640.7	6.3			G1/1800
FVH	(80°-90°)	15.7	0.1			G1/100
BL	(0°-30°)	1702.5	6.6	B3/2500		
BM	(30°-60°)	9587.6	37.0	B5		
BH	(60°-80°)	1640.7	6.3	B3/2500		G1/1800
BVH	(80°-90°)	15.7	0.1			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°	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3	4016.3
2.5°	4005.5	4027.1	4000.1	3989.3	3983.9	3983.9	3967.7	3967.7	3962.3	3967.7	3946.1
5°	3940.7	3962.3	3962.3	3956.9	3924.5	3919.1	3902.9	3892.1	3897.5	3875.9	3892.1
7.5°	3875.9	3892.1	3870.5	3865.1	3854.3	3832.7	3827.3	3778.8	3784.2	3784.2	3794.9
10°	3865.1	3859.7	3827.3	3800.3	3768.0	3762.6	3746.4	3735.6	3735.6	3730.2	3746.4
12.5°	3865.1	3838.1	3832.7	3773.4	3719.4	3741.0	3697.8	3670.8	3708.6	3719.4	3741.0
15°	3859.7	3886.7	3794.9	3768.0	3730.2	3735.6	3697.8	3670.8	3692.4	3703.2	3719.4
17.5°	3892.1	3875.9	3848.9	3794.9	3778.8	3757.2	3708.6	3687.0	3687.0	3714.0	3719.4
20°	3978.5	3935.3	3881.3	3854.3	3870.5	3843.5	3784.2	3703.2	3724.8	3746.4	3762.6
22.5°	4059.5	4027.1	3989.3	3973.1	4064.9	4021.7	3919.1	3827.3	3794.9	3832.7	3859.7
25°	4216.0	4216.0	4145.8	4167.4	4270.0	4275.4	4156.6	3994.7	3973.1	3989.3	4000.1
27.5°	4534.5	4550.7	4491.3	4512.9	4556.1	4593.9	4491.3	4356.4	4307.8	4302.4	4318.6
30°	4880.0	4912.4	4907.0	4998.8	5122.9	5144.5	4993.4	4772.0	4626.3	4599.3	4620.9
32.5°	5333.4	5349.6	5338.8	5446.8	5781.5	5938.0	5544.0	5230.9	5036.5	5085.1	5036.5
35°	6186.4	6170.2	6051.4	6073.0	6348.3	6461.7	6083.8	5884.1	5792.3	5889.5	5867.9
37.5°	6920.5	6861.1	6764.0	6904.3	7190.4	7293.0	6898.9	6548.0	6380.7	6542.6	6612.8
40°	7541.3	7390.2	7255.2	7395.6	7778.8	7919.2	7341.6	7055.5	6990.7	7109.5	7260.6
42.5°	8064.9	7967.8	7789.6	7800.4	8054.1	8118.9	7654.7	7487.3	7422.6	7611.5	7687.1
45°	8437.4	8345.6	8178.3	8167.5	8361.8	8318.7	7903.0	7789.6	7827.4	7951.6	7989.4
47.5°	8626.4	8674.9	8577.8	8604.8	8707.3	8604.8	8275.5	8275.5	8189.1	8264.7	8226.9
50°	9171.6	9020.4	9144.6	9144.6	9252.5	9263.3	8934.1	8815.3	8583.2	8453.6	8453.6
52.5°	9808.6	9819.4	9867.9	10046.1	10229.6	10386.2	9916.5	9409.1	9020.4	8853.1	8831.5
55°	10332.2	10440.2	10634.5	10969.2	11498.2	11714.1	10904.4	9997.5	9522.5	9263.3	9209.4
56°	10618.3	10515.7	10850.4	11309.3	12000.2	12280.9	11066.4	10116.3	9592.6	9301.1	9295.7
57.5°	10343.0	10456.4	10688.5	11411.8	12259.4	12626.4	11125.7	10062.3	9311.9	9015.0	9042.0
60°	8167.5	8275.5	8588.6	9398.3	10726.3	11012.4	9414.5	8297.1	7627.7	7201.2	7206.6
62.5°	4620.9	4701.8	4944.8	5695.1	6521.0	6796.4	5867.9	5122.9	4658.7	4421.1	4345.6
65°	1700.4	1668.0	1705.8	2089.1	2596.5	2828.7	2440.0	2062.1	1819.2	1732.8	1700.4
67.5°	637.0	588.4	550.6	588.4	739.6	782.7	718.0	599.2	561.4	577.6	588.4
70°	394.1	372.5	296.9	280.7	275.3	269.9	286.1	302.3	345.5	404.9	415.7
72.5°	275.3	259.1	210.5	199.7	188.9	183.5	210.5	232.1	269.9	313.1	318.5
75°	108.0	113.4	108.0	118.8	124.2	129.6	151.2	167.3	183.5	183.5	178.1
77.5°	21.6	21.6	32.4	43.2	54.0	70.2	102.6	118.8	124.2	118.8	102.6
80°	0.0	0.0	10.8	21.6	43.2	59.4	91.8	102.6	113.4	102.6	81.0
82.5°	0.0	0.0	10.8	27.0	43.2	54.0	86.4	108.0	124.2	113.4	86.4
85°	0.0	0.0	10.8	21.6	32.4	37.8	37.8	27.0	27.0	16.2	10.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)