

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: P533087

Luminaire Tested: **GALN-SA8C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533087
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-SA8C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA 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: 26969 lumens
Efficiency: N/A
Efficacy: 62.9 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

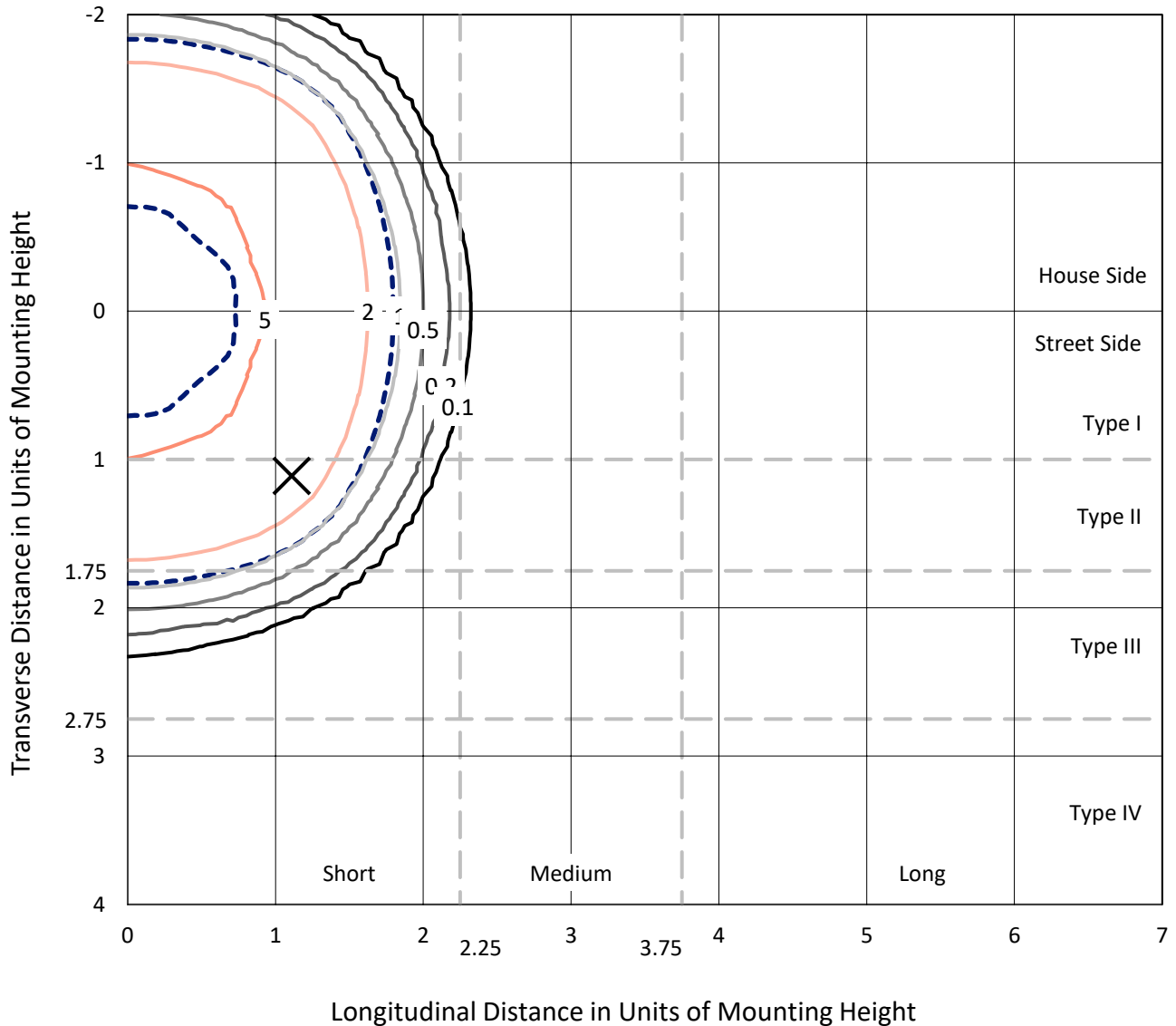
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

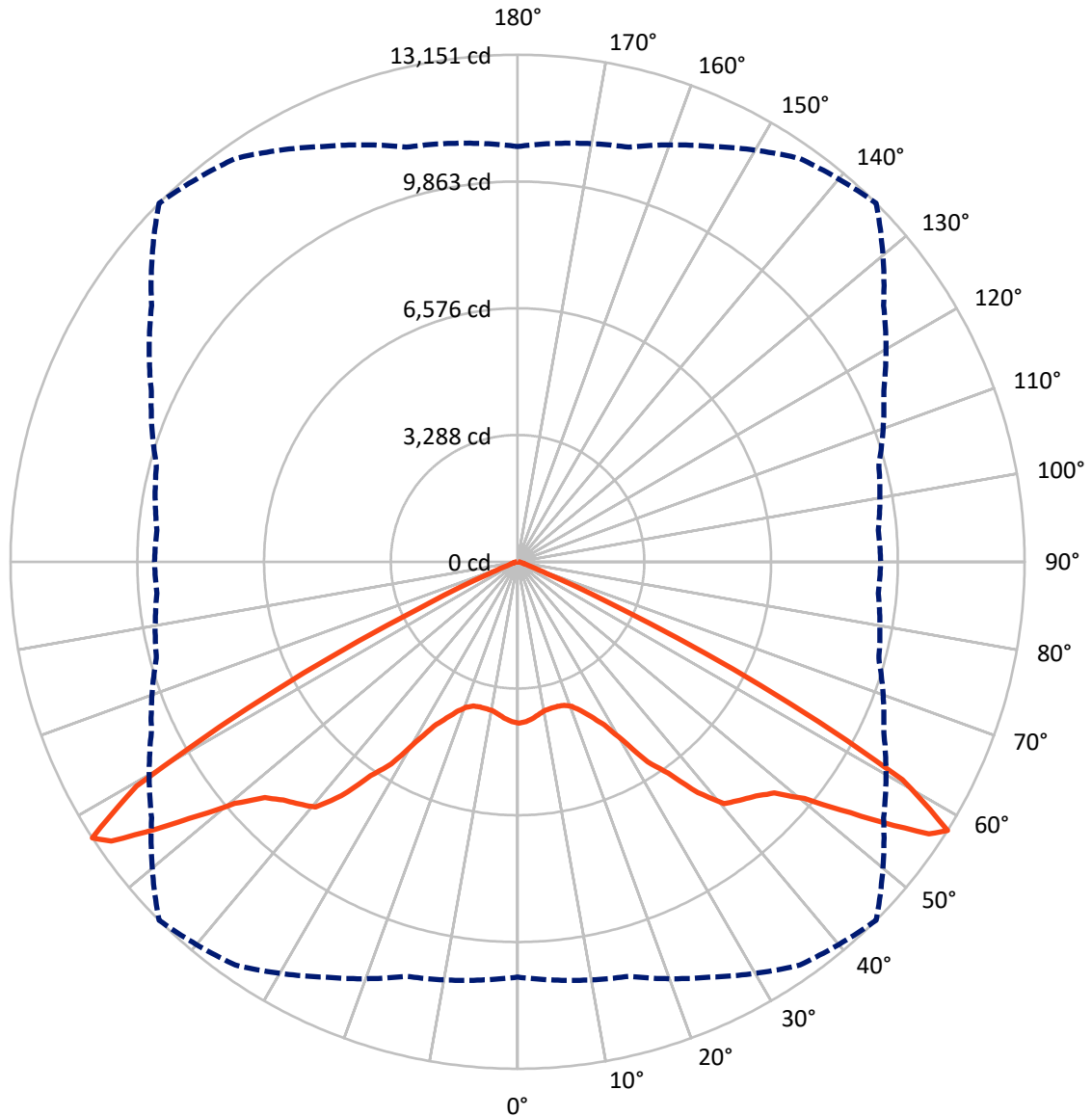
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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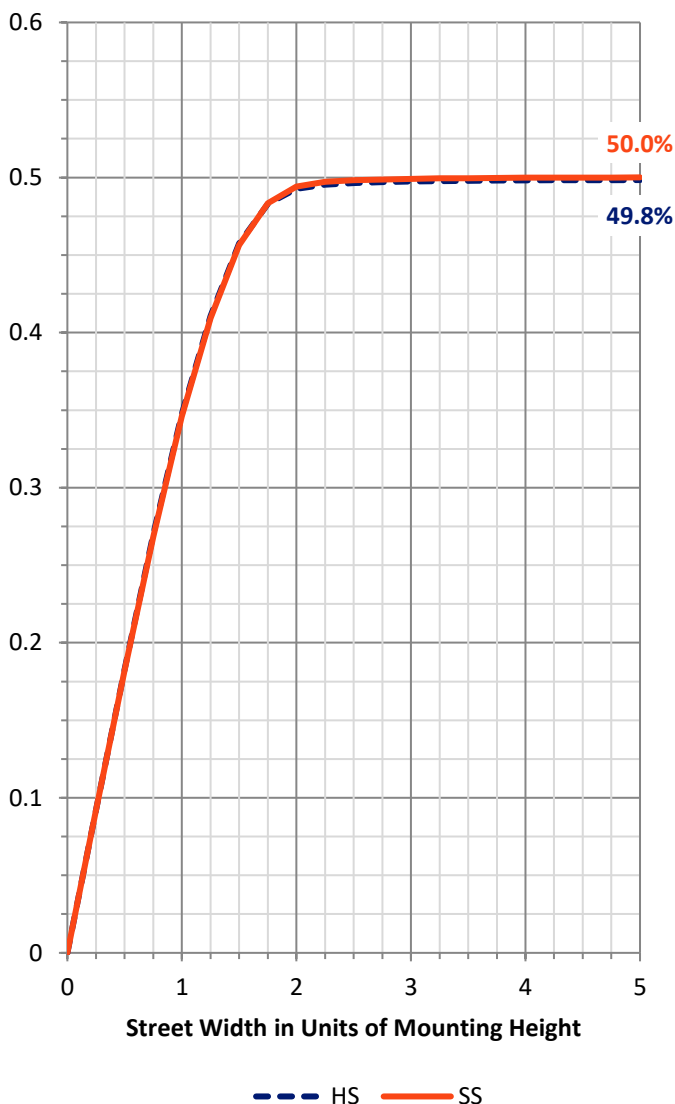
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13484.5	0.0	13484.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13484.5	0.0	13484.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26969.0	0.0	26969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.4	1.4
10°-20°	1111.1	4.1
20°-30°	2051.0	7.6
30°-40°	4033.5	15.0
40°-50°	6569.5	24.4
50°-60°	9369.0	34.7
60°-70°	3243.8	12.0
70°-80°	174.0	0.6
80°-90°	32.7	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°	26969.0	100.0
0°-180°	26969.0	100.0

Coefficient of Utilization

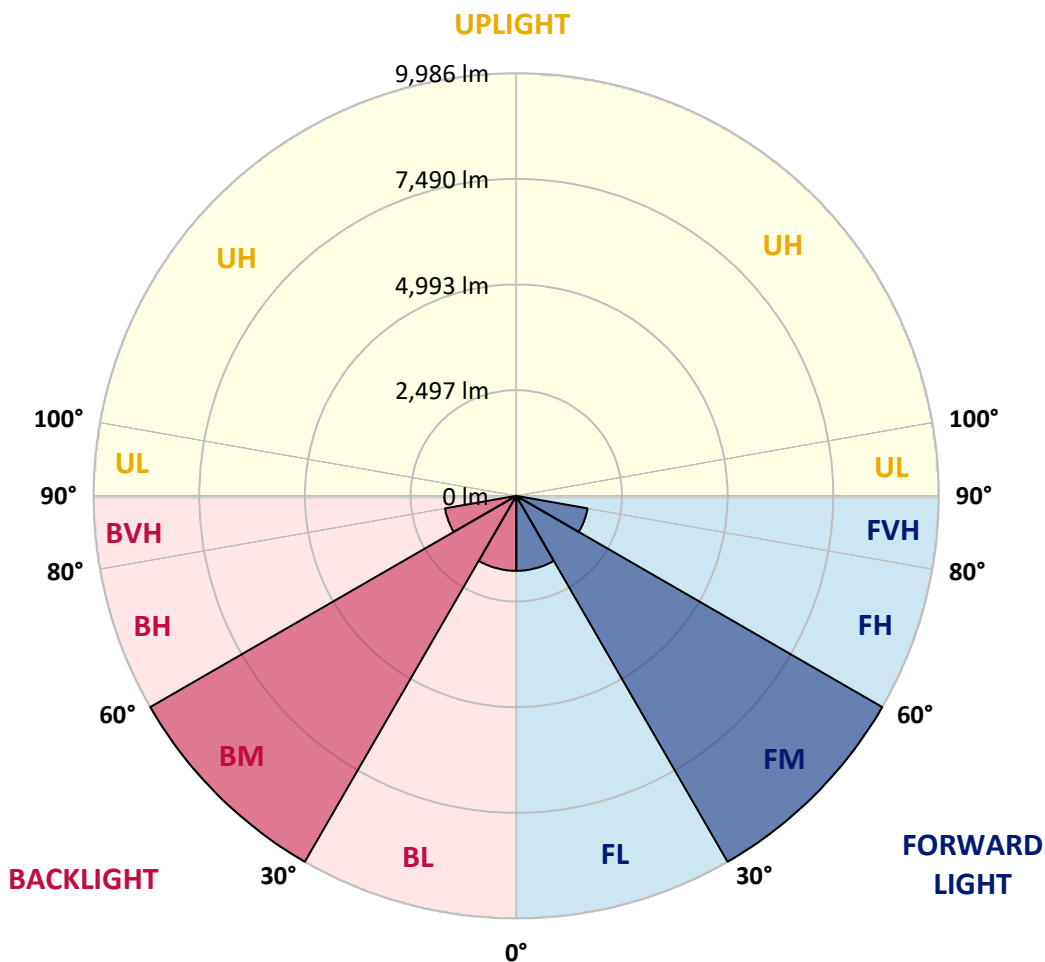


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1773.3	6.6			
FM (30°-60°)	9986.0	37.0			
FH (60°-80°)	1708.9	6.3			G1/1800
FVH (80°-90°)	16.3	0.1			G1/100
BL (0°-30°)	1773.3	6.6	B3/2500		
BM (30°-60°)	9986.0	37.0	B5		
BH (60°-80°)	1708.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	16.3	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°	4183.2	4183.2	4183.2	4183.2	4183.2	4183.2	4183.2	4183.2	4183.2	4183.2	4183.2
2.5°	4171.9	4194.4	4166.3	4155.1	4149.4	4149.4	4132.6	4132.6	4126.9	4132.6	4110.1
5°	4104.5	4126.9	4126.9	4121.3	4087.6	4082.0	4065.1	4053.9	4059.5	4037.0	4053.9
7.5°	4037.0	4053.9	4031.4	4025.7	4014.5	3992.0	3986.4	3935.8	3941.4	3941.4	3952.6
10°	4025.7	4020.1	3986.4	3958.3	3924.5	3918.9	3902.0	3890.8	3890.8	3885.2	3902.0
12.5°	4025.7	3997.6	3992.0	3930.2	3873.9	3896.4	3851.4	3823.3	3862.7	3873.9	3896.4
15°	4020.1	4048.2	3952.6	3924.5	3885.2	3890.8	3851.4	3823.3	3845.8	3857.1	3873.9
17.5°	4053.9	4037.0	4008.9	3952.6	3935.8	3913.3	3862.7	3840.2	3840.2	3868.3	3873.9
20°	4143.8	4098.8	4042.6	4014.5	4031.4	4003.3	3941.4	3857.1	3879.6	3902.0	3918.9
22.5°	4228.2	4194.4	4155.1	4138.2	4233.8	4188.8	4082.0	3986.4	3952.6	3992.0	4020.1
25°	4391.2	4391.2	4318.1	4340.6	4447.4	4453.1	4329.4	4160.7	4138.2	4155.1	4166.3
27.5°	4722.9	4739.8	4678.0	4700.4	4745.4	4784.8	4678.0	4537.4	4486.8	4481.2	4498.0
30°	5082.8	5116.5	5110.9	5206.5	5335.8	5358.3	5200.9	4970.3	4818.5	4790.4	4812.9
32.5°	5555.1	5571.9	5560.7	5673.1	6021.7	6184.8	5774.4	5448.2	5245.8	5296.4	5245.8
35°	6443.4	6426.6	6302.9	6325.4	6612.1	6730.2	6336.6	6128.6	6033.0	6134.2	6111.7
37.5°	7208.1	7146.3	7045.1	7191.2	7489.2	7596.1	7185.6	6820.1	6645.8	6814.5	6887.6
40°	7854.7	7697.3	7556.7	7702.9	8102.1	8248.3	7646.7	7348.7	7281.2	7404.9	7562.3
42.5°	8400.1	8298.9	8113.3	8124.6	8388.8	8456.3	7972.8	7798.5	7731.0	7927.8	8006.5
45°	8788.0	8692.5	8518.2	8506.9	8709.3	8664.3	8231.4	8113.3	8152.7	8282.0	8321.4
47.5°	8984.8	9035.4	8934.2	8962.3	9069.2	8962.3	8619.4	8619.4	8529.4	8608.1	8568.8
50°	9552.7	9395.3	9524.6	9524.6	9637.0	9648.3	9305.3	9181.6	8939.8	8804.9	8804.9
52.5°	10216.2	10227.4	10278.0	10463.6	10654.7	10817.8	10328.6	9800.1	9395.3	9221.0	9198.5
55°	10761.6	10874.0	11076.4	11425.0	11976.0	12200.9	11357.5	10413.0	9918.2	9648.3	9592.1
56°	11059.5	10952.7	11301.3	11779.2	12498.9	12791.3	11526.2	10536.7	9991.3	9687.6	9682.0
57.5°	10772.8	10890.9	11132.6	11886.1	12768.8	13151.1	11588.1	10480.4	9698.9	9389.7	9417.8
60°	8506.9	8619.4	8945.5	9788.9	11172.0	11470.0	9805.7	8641.9	7944.7	7500.5	7506.1
62.5°	4812.9	4897.2	5150.3	5931.8	6792.0	7078.8	6111.7	5335.8	4852.3	4604.9	4526.1
65°	1771.1	1737.4	1776.7	2175.9	2704.4	2946.2	2541.4	2147.8	1894.8	1804.8	1771.1
67.5°	663.5	612.9	573.5	612.9	770.3	815.3	747.8	624.1	584.7	601.6	612.9
70°	410.4	388.0	309.2	292.4	286.7	281.1	298.0	314.9	359.8	421.7	432.9
72.5°	286.7	269.9	219.3	208.0	196.8	191.2	219.3	241.8	281.1	326.1	331.7
75°	112.5	118.1	112.5	123.7	129.3	134.9	157.4	174.3	191.2	191.2	185.5
77.5°	22.5	22.5	33.7	45.0	56.2	73.1	106.8	123.7	129.3	123.7	106.8
80°	0.0	0.0	11.2	22.5	45.0	61.8	95.6	106.8	118.1	106.8	84.3
82.5°	0.0	0.0	11.2	28.1	45.0	56.2	90.0	112.5	129.3	118.1	90.0
85°	0.0	0.0	11.2	22.5	33.7	39.4	39.4	28.1	28.1	16.9	11.2
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)