

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: P652480

Luminaire Tested: **GALN-SA7B-840-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-840-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34958.7 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

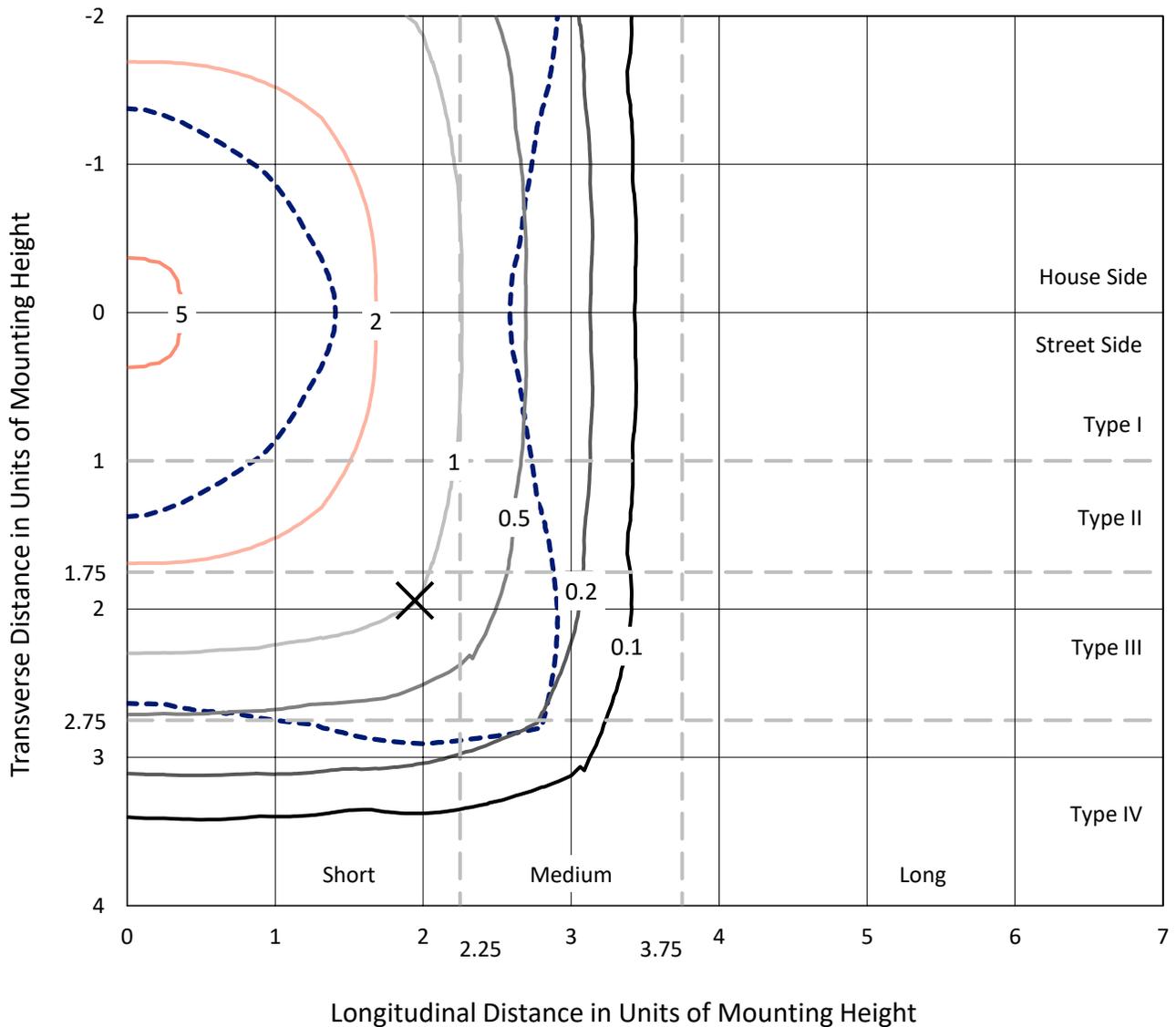
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

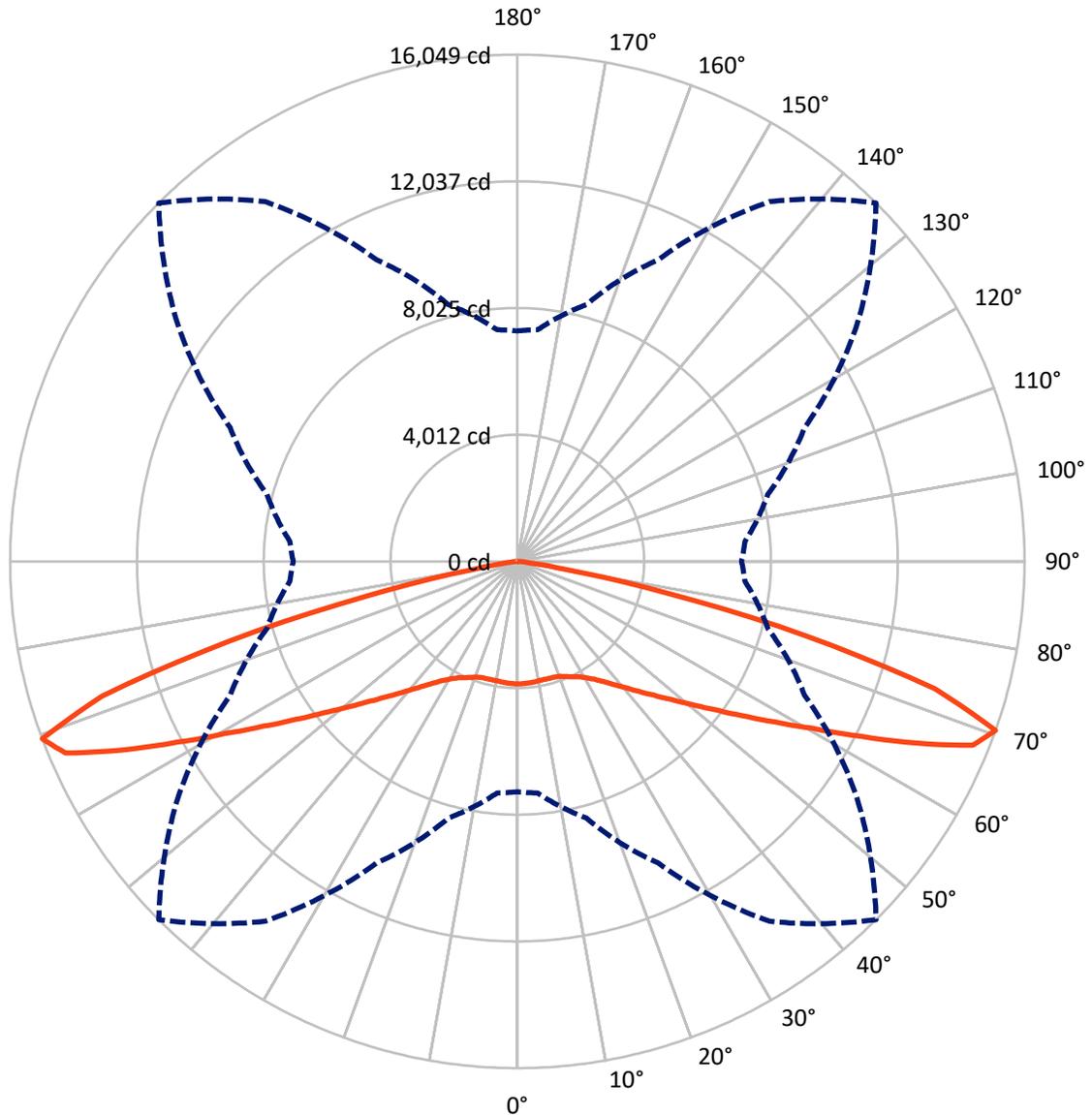
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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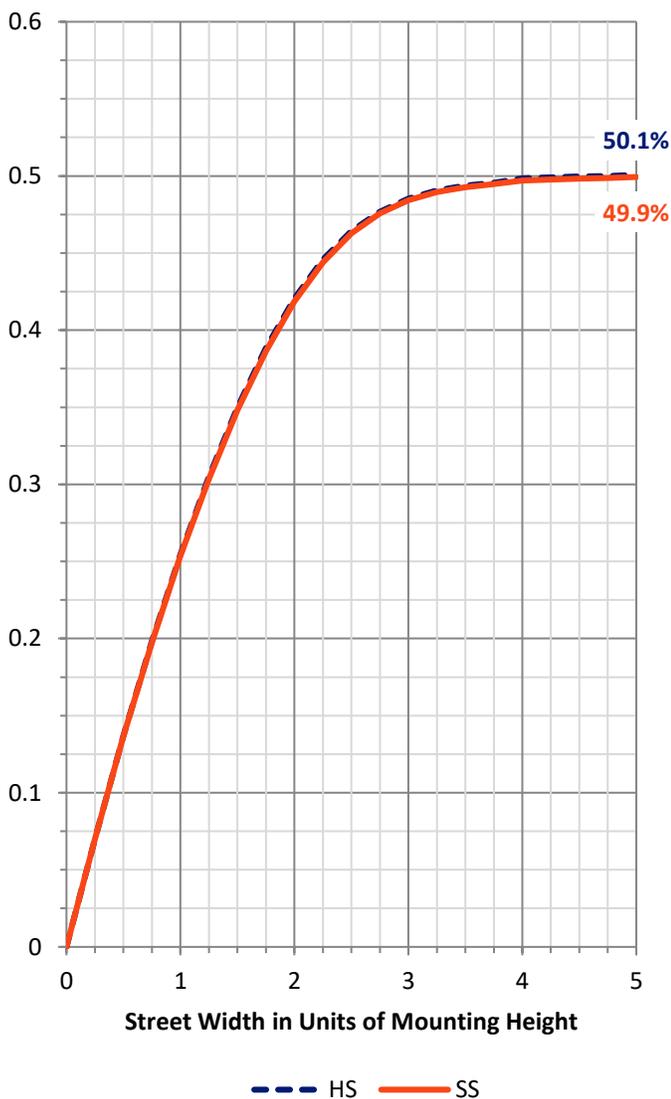
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17479.3	0.0	17479.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17479.3	0.0	17479.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	34958.7	0.0	34958.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.1	1.1
10°-20°	1080.2	3.1
20°-30°	1847.5	5.3
30°-40°	2932.4	8.4
40°-50°	4730.8	13.5
50°-60°	7697.1	22.0
60°-70°	11158.0	31.9
70°-80°	4949.3	14.2
80°-90°	195.2	0.6
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°	34958.7	100.0
0°-180°	34958.7	100.0

Coefficient of Utilization

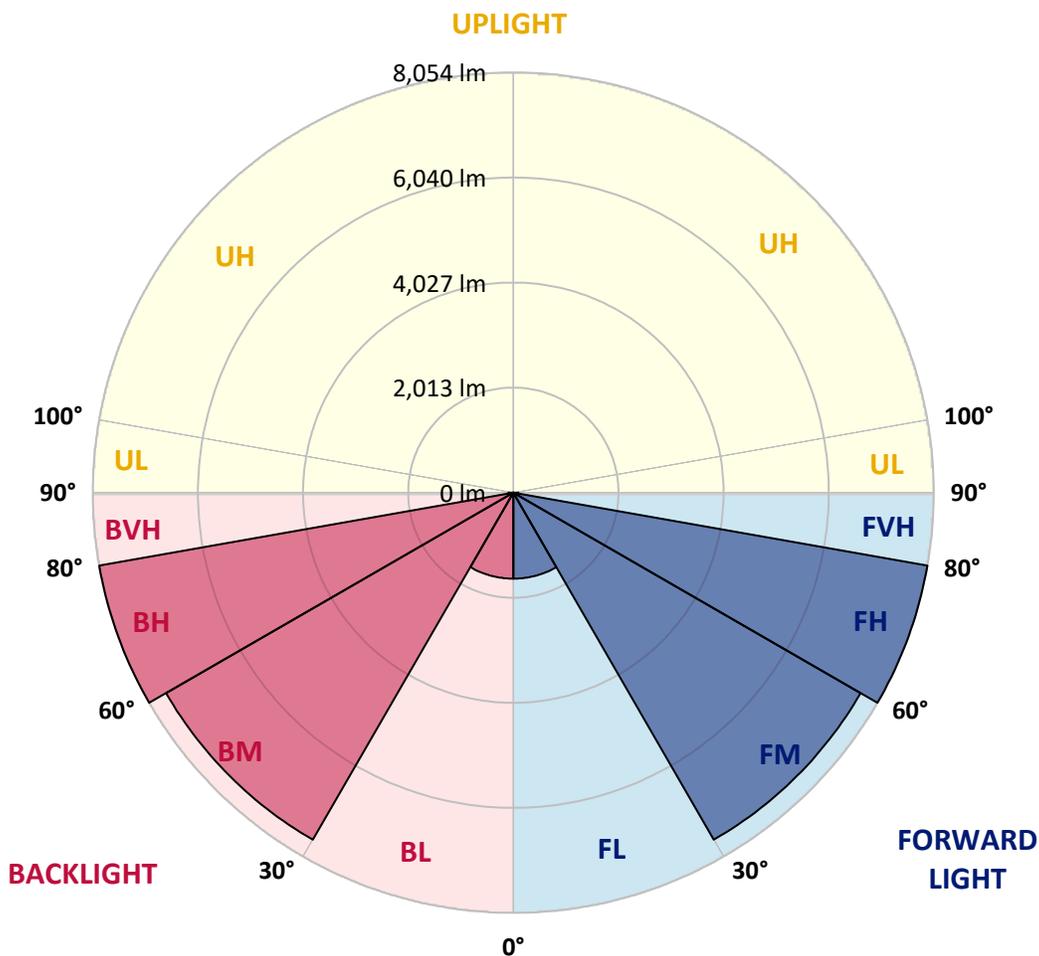


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1647.9	4.7			
FM (30°-60°)	7680.2	22.0			
FH (60°-80°)	8053.6	23.0			G4/12000
FVH (80°-90°)	97.6	0.3			G1/100
BL (0°-30°)	1647.9	4.7	B3/2500		
BM (30°-60°)	7680.2	22.0	B4/8500		
BH (60°-80°)	8053.6	23.0	B5		G4/12000
BVH (80°-90°)	97.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3882.0	3882.0	3882.0	3882.0	3882.0	3882.0	3882.0	3882.0	3882.0	3882.0	3882.0
2.5°	3882.0	3885.7	3880.1	3876.5	3874.7	3874.7	3872.8	3874.7	3885.7	3887.5	3882.0
5°	3871.0	3874.7	3872.8	3869.1	3867.3	3867.3	3865.4	3863.6	3872.8	3876.5	3874.7
7.5°	3856.2	3858.1	3856.2	3854.4	3856.2	3854.4	3848.8	3845.1	3852.5	3852.5	3850.7
10°	3830.4	3834.1	3832.3	3834.1	3837.8	3837.8	3830.4	3823.0	3824.9	3821.2	3821.2
12.5°	3799.0	3804.6	3806.5	3813.9	3823.0	3834.1	3817.6	3800.9	3797.3	3795.4	3793.6
15°	3778.8	3784.3	3791.7	3799.0	3815.7	3839.6	3815.7	3789.9	3782.5	3775.2	3771.5
17.5°	3773.3	3780.6	3791.7	3802.7	3824.9	3848.8	3828.6	3802.7	3784.3	3773.3	3769.6
20°	3788.0	3793.6	3810.2	3830.4	3861.7	3885.7	3865.4	3837.8	3810.2	3793.6	3788.0
22.5°	3817.6	3826.7	3847.0	3883.8	3928.1	3963.0	3935.5	3889.4	3845.1	3823.0	3815.7
25°	3882.0	3889.4	3913.3	3963.0	4014.7	4047.8	4018.3	3964.9	3904.1	3874.7	3865.4
27.5°	3979.6	3990.7	4016.5	4075.5	4117.8	4136.3	4116.0	4079.1	4034.9	4003.6	3996.3
30°	4117.8	4130.7	4169.4	4232.1	4259.7	4270.8	4261.5	4237.5	4206.3	4173.1	4165.7
32.5°	4303.9	4311.3	4355.5	4414.5	4440.2	4443.9	4432.9	4421.8	4370.3	4315.0	4311.3
35°	4512.1	4525.0	4578.4	4648.5	4672.4	4674.3	4652.2	4635.6	4574.8	4530.6	4530.6
37.5°	4788.5	4794.0	4845.6	4924.8	4950.6	4943.2	4932.2	4917.4	4853.0	4795.8	4797.7
40°	5112.8	5123.8	5168.0	5260.1	5260.1	5251.0	5258.3	5247.3	5182.7	5127.5	5129.3
42.5°	5497.8	5503.3	5556.7	5654.4	5647.1	5628.6	5636.0	5621.2	5580.7	5518.1	5495.9
45°	5908.7	5930.8	6022.9	6116.8	6102.1	6043.2	6072.6	6069.0	6032.1	5938.1	5943.7
47.5°	6404.3	6441.1	6529.6	6642.0	6625.4	6533.2	6566.4	6588.6	6536.9	6433.7	6415.3
50°	6962.6	6986.5	7117.3	7222.3	7207.6	7109.9	7185.5	7189.1	7060.2	6914.6	6914.6
52.5°	7557.6	7581.6	7758.5	7922.5	7931.6	7789.8	7850.6	7846.9	7636.9	7445.3	7408.4
55°	8224.6	8235.7	8464.1	8705.4	8757.1	8618.9	8626.2	8552.5	8279.9	8056.9	8036.7
57.5°	8913.7	8954.2	9206.6	9519.9	9672.8	9588.0	9549.3	9352.2	9088.7	8832.6	8819.7
60°	9676.5	9678.3	10006.2	10376.6	10686.1	10743.2	10584.7	10321.3	9980.4	9641.4	9626.7
62.5°	10205.2	10284.4	10698.9	11325.4	11880.0	12200.6	11782.3	11229.6	10558.9	10011.8	9956.5
65°	10313.9	10367.3	10999.3	12060.5	13193.6	13884.6	12917.3	11741.8	10597.6	9868.0	9831.2
67.5°	9435.1	9492.2	10343.4	11972.1	14114.8	15531.7	13654.2	11494.9	9941.7	9039.0	8967.1
70°	7297.9	7362.4	8414.4	10538.7	13910.3	16049.4	13129.2	10026.5	8198.8	7224.2	7093.3
72.5°	3880.1	4117.8	5016.9	7233.4	11290.4	13818.2	10765.3	7316.3	5287.8	4322.3	4149.2
75°	1416.8	1446.3	1947.4	3207.7	6568.3	9475.6	6820.7	3489.6	2006.4	1549.5	1470.2
77.5°	585.9	584.1	641.2	969.1	2385.9	4853.0	2662.3	1024.4	639.3	591.4	584.1
80°	346.4	346.4	381.4	403.5	628.2	1464.8	702.0	456.9	383.2	350.0	355.6
82.5°	154.7	164.0	241.4	254.2	304.0	401.7	339.0	291.1	250.5	173.2	156.6
85°	84.8	73.7	127.2	132.6	145.6	149.3	160.3	158.4	145.6	84.8	86.6
87.5°	16.6	20.3	36.8	27.7	31.3	27.7	36.8	51.6	53.4	29.5	24.0
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)