

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: P530095

Luminaire Tested: **GALN-SA5B-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19576 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

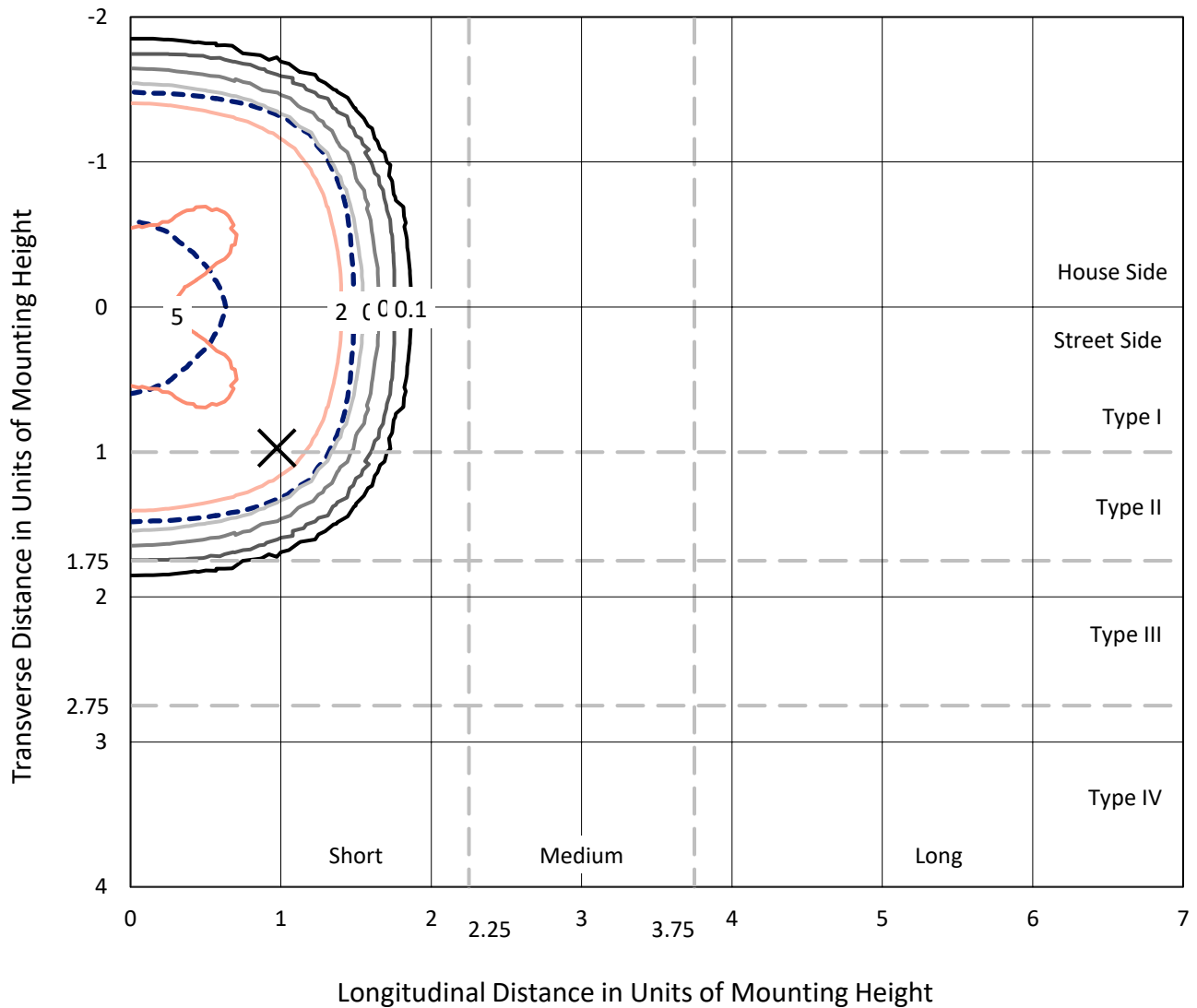
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

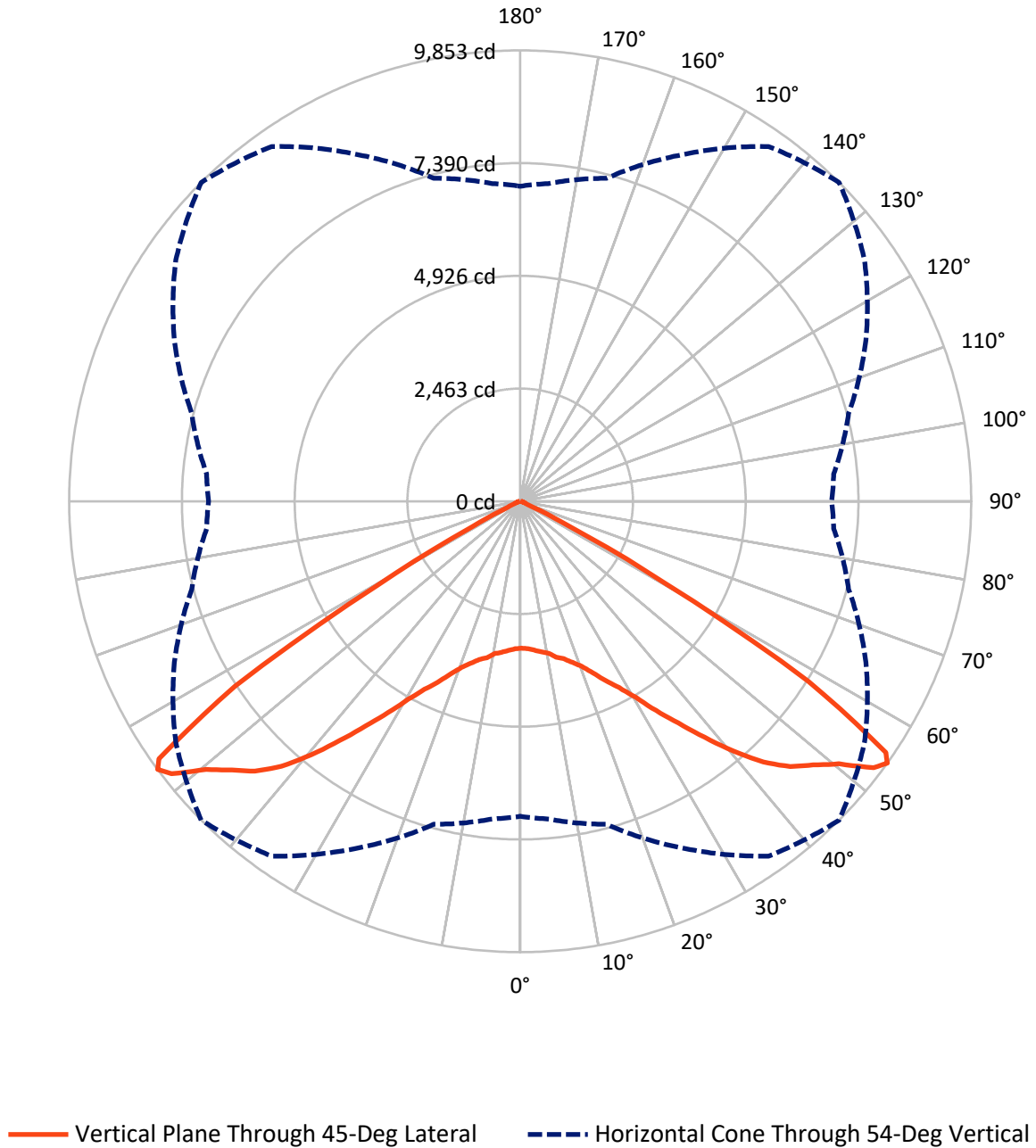
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot





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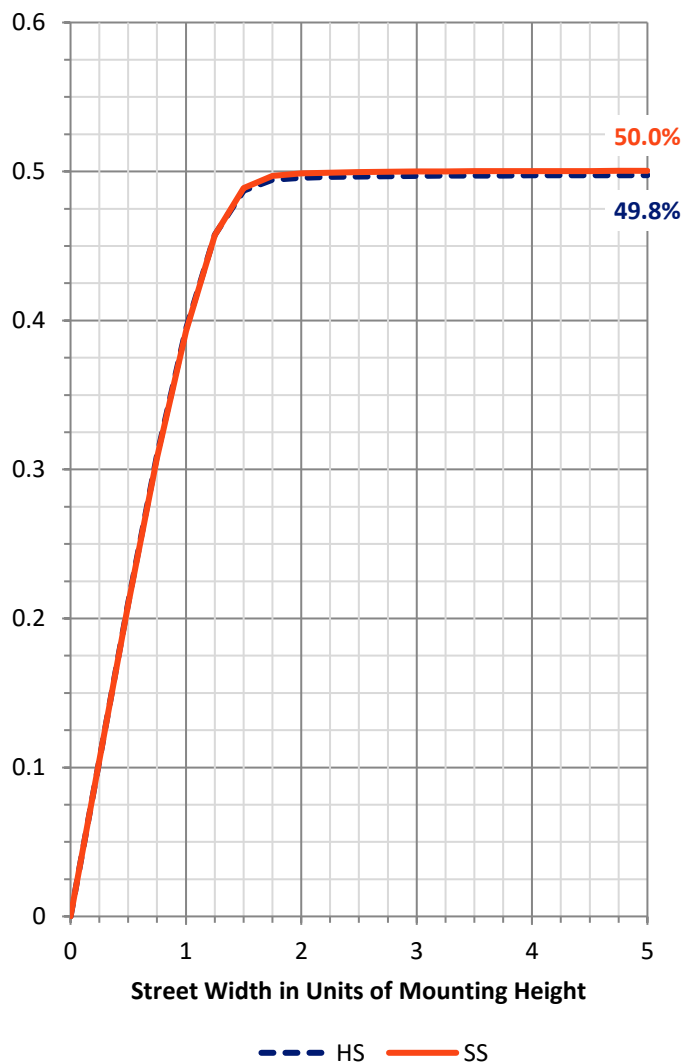
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9788.0	0.0	9788.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9788.0	0.0	9788.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19576.0	0.0	19576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.2	1.6
10°-20°	1017.4	5.2
20°-30°	1994.0	10.2
30°-40°	3585.7	18.3
40°-50°	6138.0	31.4
50°-60°	5939.1	30.3
60°-70°	508.4	2.6
70°-80°	60.2	0.3
80°-90°	18.9	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°	19576.0	100.0
0°-180°	19576.0	100.0

Coefficient of Utilization

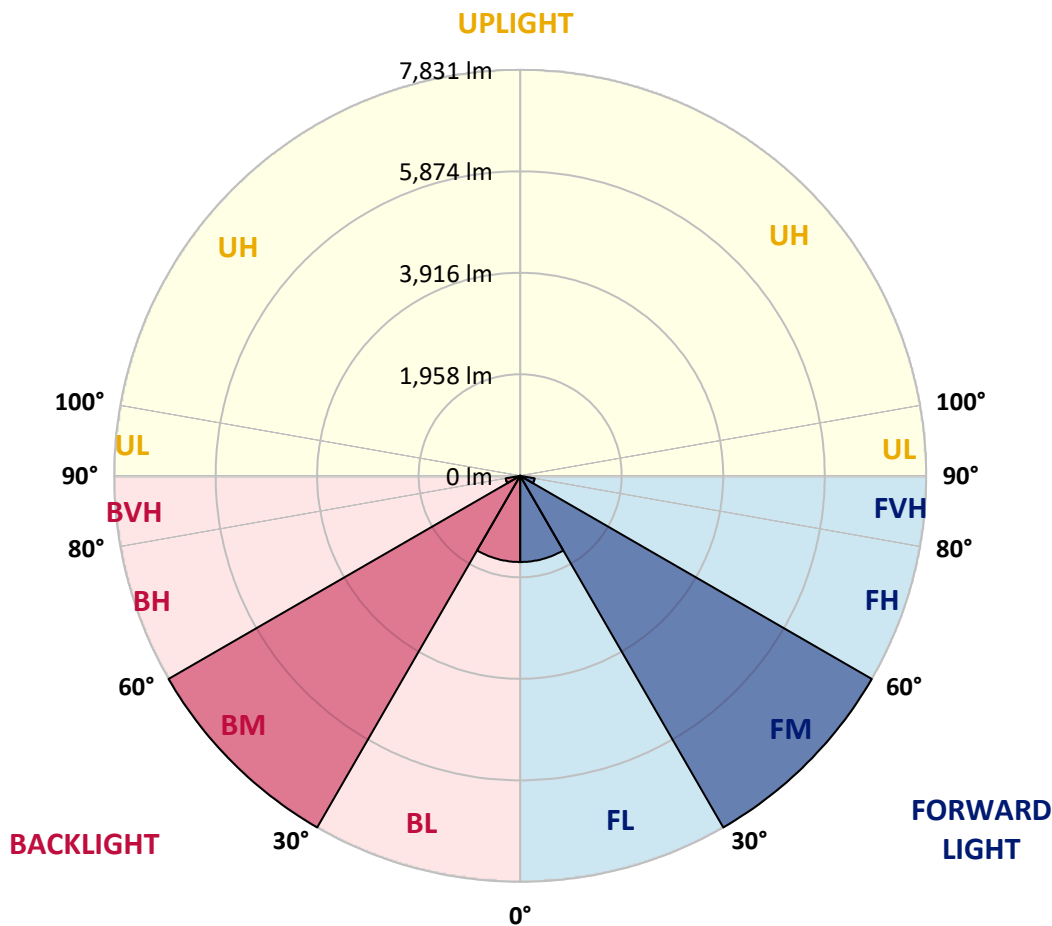


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1662.8	8.5			
FM (30°-60°)	7831.4	40.0			
FH (60°-80°)	284.3	1.5			G0/660
FVH (80°-90°)	9.4	0.0			G0/10
BL (0°-30°)	1662.8	8.5	B3/2500		
BM (30°-60°)	7831.4	40.0	B4/8500		
BH (60°-80°)	284.3	1.5	B1/500		G0/660
BVH (80°-90°)	9.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3209.9	3209.9	3209.9	3209.9	3209.9	3209.9	3209.9	3209.9	3209.9	3209.9	3209.9
2.5°	3225.4	3244.0	3231.6	3240.9	3240.9	3225.4	3234.7	3197.4	3222.3	3203.7	3206.8
5°	3275.0	3271.9	3271.9	3275.0	3262.6	3268.8	3256.4	3244.0	3234.7	3222.3	3259.5
7.5°	3337.0	3337.0	3315.3	3321.5	3315.3	3324.6	3299.8	3275.0	3265.7	3256.4	3250.2
10°	3395.9	3389.7	3380.4	3408.3	3386.6	3374.2	3361.8	3346.3	3312.2	3299.8	3287.4
12.5°	3482.8	3479.7	3467.3	3495.2	3482.8	3495.2	3448.7	3408.3	3402.1	3361.8	3383.5
15°	3585.1	3613.0	3591.3	3591.3	3585.1	3569.6	3551.0	3532.4	3476.6	3461.1	3464.2
17.5°	3718.5	3709.2	3712.3	3712.3	3743.3	3703.0	3665.7	3619.2	3591.3	3582.0	3551.0
20°	3845.6	3858.0	3854.9	3876.6	3895.2	3851.8	3811.5	3805.3	3727.8	3740.2	3696.8
22.5°	4068.9	4059.6	4075.1	4090.6	4078.2	4072.0	4034.8	3988.3	3920.1	3889.0	3882.8
25°	4304.6	4289.1	4261.2	4298.4	4317.0	4344.9	4273.6	4248.8	4143.3	4096.8	4099.9
27.5°	4506.2	4527.9	4558.9	4574.4	4620.9	4611.6	4562.0	4481.4	4400.8	4348.0	4313.9
30°	4782.2	4794.6	4847.3	4869.1	4949.7	4971.4	4893.9	4800.8	4658.2	4589.9	4549.6
32.5°	5036.5	5123.4	5120.3	5228.8	5359.1	5449.0	5309.4	5166.8	5024.1	4943.5	4872.2
35°	5449.0	5433.5	5523.4	5638.2	5849.1	5951.4	5799.4	5635.1	5418.0	5287.7	5231.9
37.5°	5833.6	5839.8	5960.7	6143.7	6385.6	6543.8	6410.4	6140.6	5917.3	5749.8	5672.3
40°	6391.8	6404.2	6528.3	6736.0	7009.0	7179.5	7024.5	6751.5	6453.8	6323.6	6323.6
42.5°	7046.2	7098.9	7179.5	7359.4	7604.4	7793.6	7654.0	7440.0	7139.2	6971.7	6996.6
45°	7719.2	7744.0	7796.7	8063.4	8178.2	8271.2	8140.9	8041.7	7840.1	7635.4	7601.3
47.5°	8348.7	8358.0	8513.1	8596.8	8686.8	8609.2	8693.0	8562.7	8336.3	8137.8	8097.5
50°	8627.8	8612.3	8832.5	9086.8	9155.1	9018.6	8947.3	8860.4	8516.2	8277.4	8171.9
52.5°	7815.3	7905.2	8314.6	9021.7	9555.1	9669.9	9254.3	8854.2	8212.3	7747.1	7675.7
54°	6884.9	6968.6	7306.7	8354.9	9465.2	9852.9	9183.0	8333.2	7427.6	6875.6	6804.3
55°	5963.8	5870.8	6484.8	7554.8	9043.4	9691.6	8900.8	7660.2	6624.4	6118.9	6019.6
57.5°	3228.5	3244.0	3761.9	4772.9	6354.6	7430.7	6562.4	5182.3	3913.9	3346.3	3296.7
60°	1023.4	1048.2	1274.6	1929.0	3036.2	3625.4	3107.5	2081.0	1439.0	1153.7	1107.2
62.5°	319.4	331.8	362.9	539.6	831.2	1187.8	930.4	558.2	415.6	381.5	387.7
65°	195.4	195.4	198.5	210.9	248.1	288.4	279.1	245.0	235.7	229.5	226.4
67.5°	127.2	124.1	130.3	139.6	145.8	148.9	158.2	167.5	164.4	158.2	158.2
70°	77.5	74.4	80.6	93.0	96.1	102.3	111.6	124.1	121.0	114.7	117.8
72.5°	43.4	43.4	46.5	55.8	65.1	71.3	80.6	89.9	93.0	89.9	89.9
75°	15.5	18.6	24.8	34.1	40.3	49.6	58.9	68.2	77.5	71.3	68.2
77.5°	6.2	6.2	12.4	21.7	31.0	40.3	55.8	65.1	71.3	65.1	58.9
80°	3.1	3.1	9.3	18.6	27.9	37.2	46.5	55.8	58.9	52.7	46.5
82.5°	3.1	3.1	9.3	18.6	27.9	34.1	49.6	55.8	62.0	55.8	46.5
85°	0.0	3.1	9.3	18.6	24.8	27.9	27.9	18.6	15.5	9.3	9.3
87.5°	0.0	0.0	3.1	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)