

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: P530900

Luminaire Tested: **GALN-SA6A-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19020 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 182
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

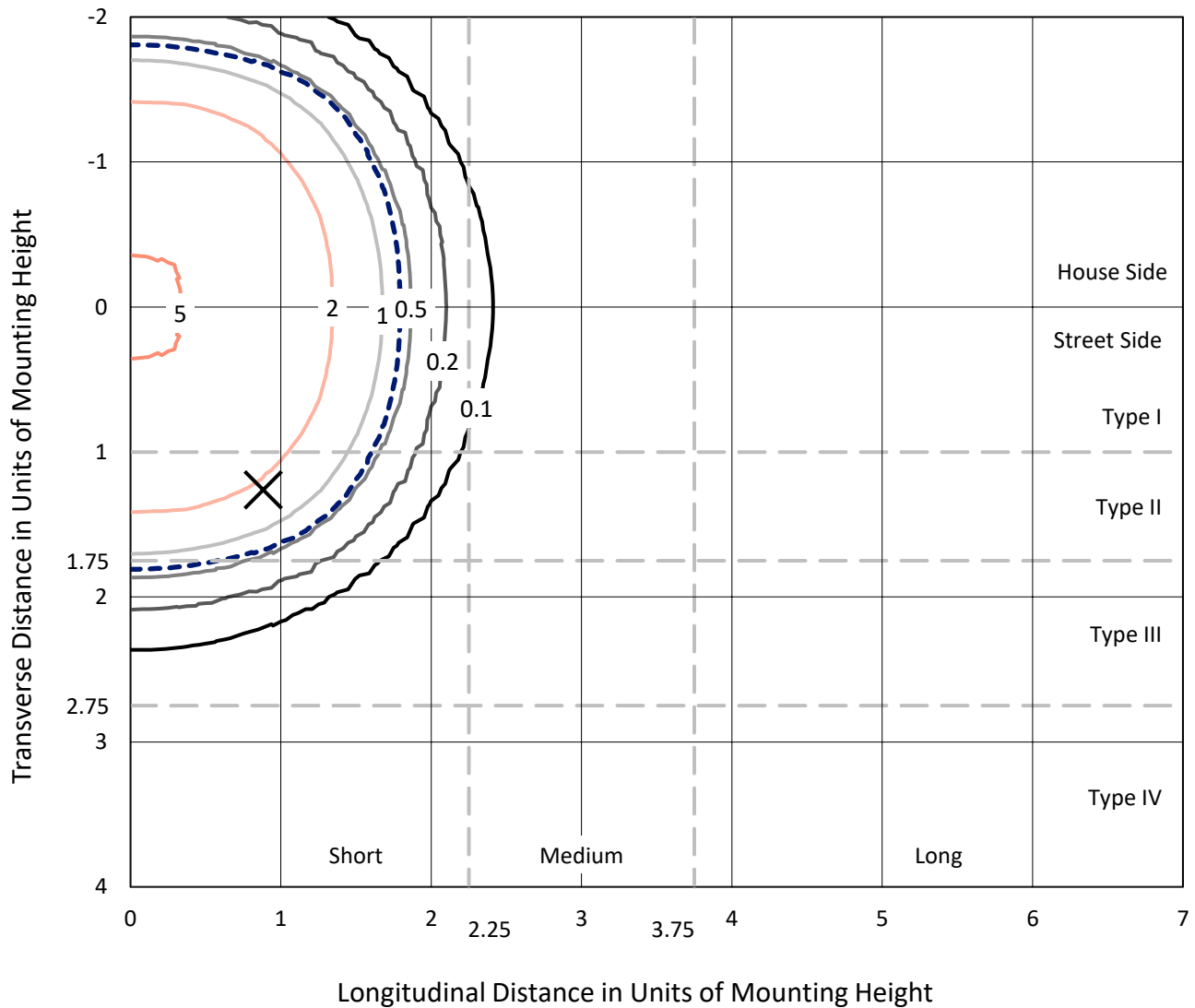


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Iso-Footcandle Lines of Horizontal Illumination

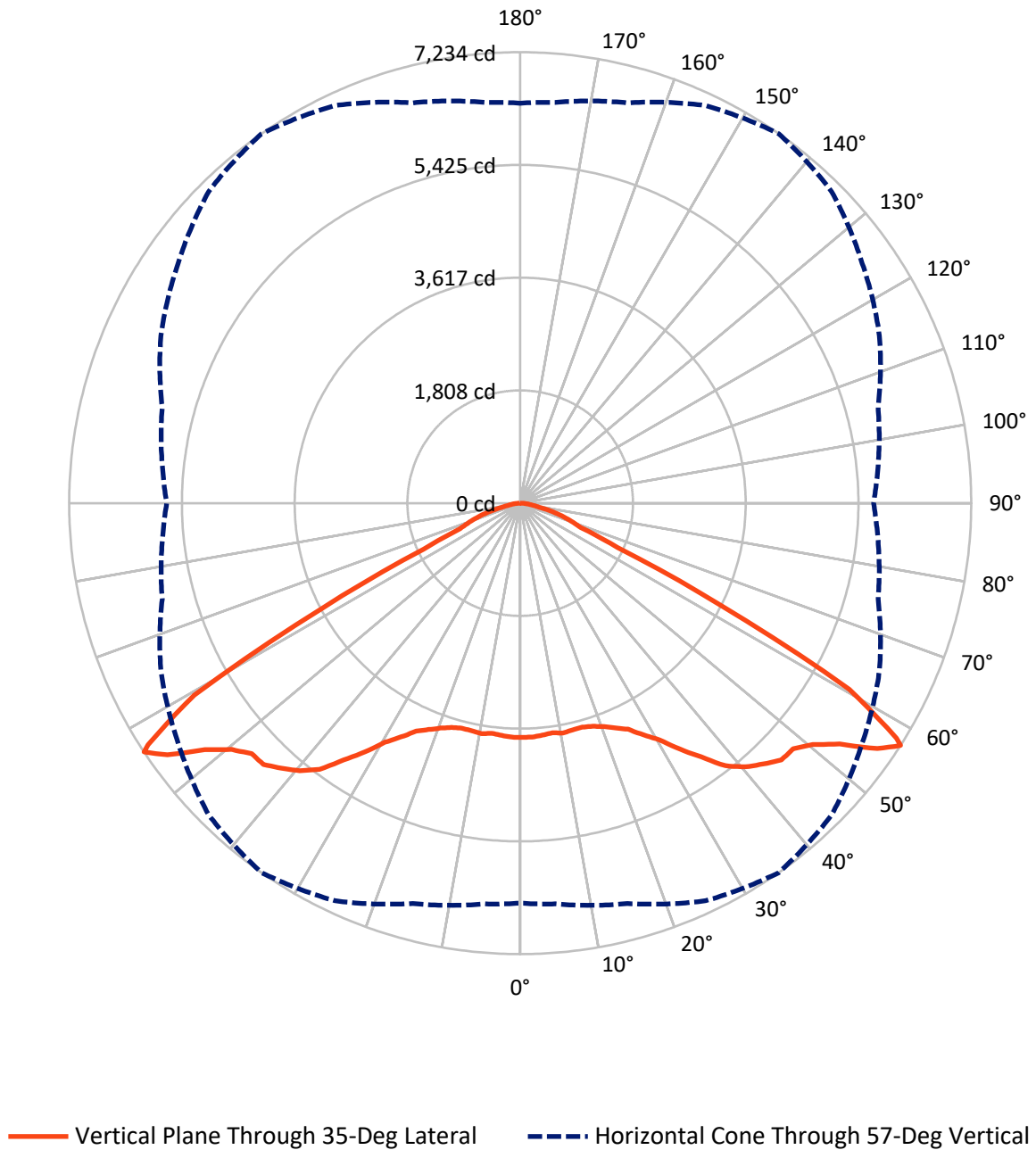
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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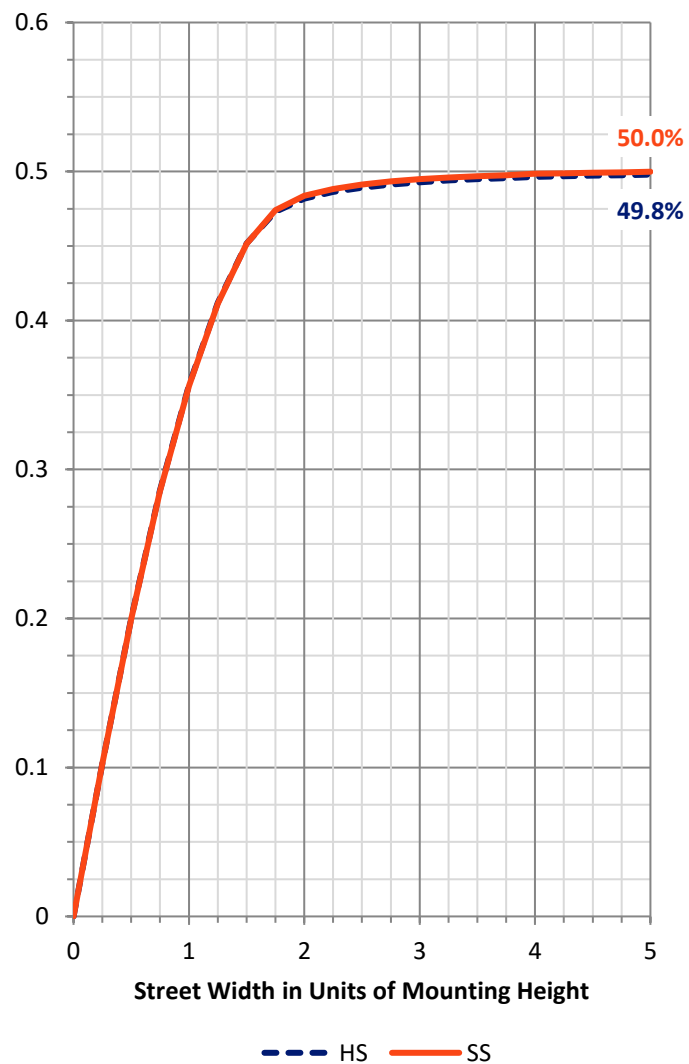
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9510.0	0.0	9510.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9510.0	0.0	9510.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19020.0	0.0	19020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.1	1.9
10°-20°	1054.7	5.5
20°-30°	1842.0	9.7
30°-40°	3018.2	15.9
40°-50°	4425.4	23.3
50°-60°	5574.2	29.3
60°-70°	2096.4	11.0
70°-80°	557.4	2.9
80°-90°	95.6	0.5
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°	19020.0	100.0
0°-180°	19020.0	100.0

Coefficient of Utilization



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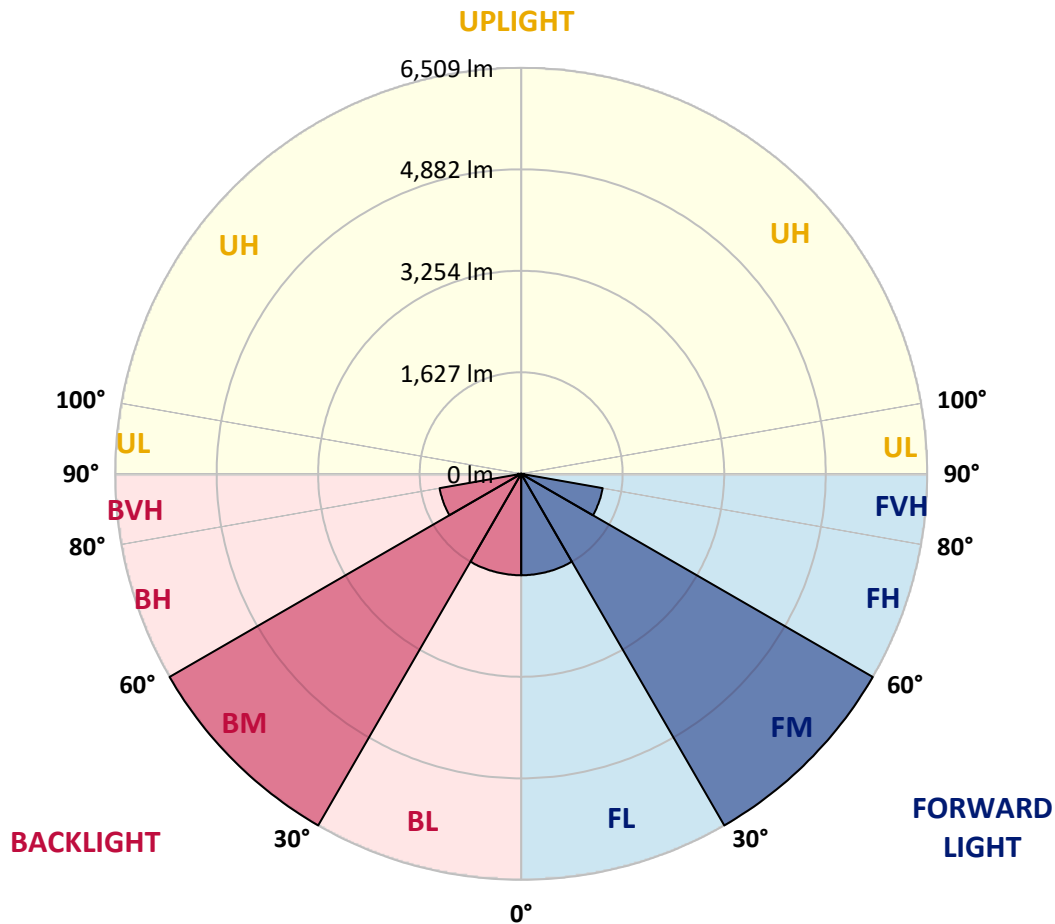
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1626.4	8.6			
FM	(30°-60°)	6508.9	34.2			
FH	(60°-80°)	1326.9	7.0			G1/1800
FVH	(80°-90°)	47.8	0.3			G1/100
BL	(0°-30°)	1626.4	8.6	B3/2500		
BM	(30°-60°)	6508.9	34.2	B4/8500		
BH	(60°-80°)	1326.9	7.0	B3/2500		G1/1800
BVH	(80°-90°)	47.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3756.3	3756.3	3756.3	3756.3	3756.3	3756.3	3756.3	3756.3	3756.3	3756.3	3756.3
2.5°	3737.6	3775.1	3758.7	3749.3	3756.3	3744.6	3725.8	3746.9	3742.3	3723.5	3716.5
5°	3728.2	3756.3	3737.6	3756.3	3737.6	3770.4	3761.0	3725.8	3768.0	3728.2	3742.3
7.5°	3721.2	3730.5	3735.2	3725.8	3718.8	3758.7	3737.6	3721.2	3697.7	3690.7	3702.4
10°	3704.8	3728.2	3693.0	3739.9	3749.3	3721.2	3721.2	3690.7	3672.0	3660.2	3700.1
12.5°	3746.9	3707.1	3702.4	3725.8	3732.9	3744.6	3711.8	3695.4	3660.2	3664.9	3657.9
15°	3697.7	3714.1	3716.5	3721.2	3728.2	3756.3	3725.8	3690.7	3676.6	3627.4	3632.1
17.5°	3716.5	3700.1	3716.5	3770.4	3761.0	3782.1	3749.3	3695.4	3662.6	3634.5	3672.0
20°	3749.3	3742.3	3749.3	3814.9	3826.6	3845.4	3817.2	3768.0	3704.8	3672.0	3690.7
22.5°	3784.4	3779.7	3784.4	3847.7	3915.7	3939.1	3911.0	3796.1	3763.3	3702.4	3681.3
25°	3847.7	3852.4	3901.6	3971.9	4016.4	4060.9	4009.4	3927.4	3821.9	3784.4	3739.9
27.5°	3988.3	4000.0	4028.1	4131.2	4208.6	4248.4	4175.8	4063.3	3997.7	3920.3	3908.6
30°	4161.7	4161.7	4210.9	4300.0	4405.4	4466.3	4377.3	4243.7	4164.0	4121.9	4096.1
32.5°	4391.3	4365.6	4384.3	4541.3	4705.3	4756.9	4637.4	4473.4	4346.8	4290.6	4271.8
35°	4588.2	4604.6	4646.8	4815.5	4998.3	5117.8	4930.3	4717.1	4588.2	4536.6	4527.3
37.5°	4843.6	4871.7	4892.8	5124.8	5345.1	5389.6	5209.2	5038.1	4881.1	4838.9	4815.5
40°	5204.5	5185.7	5192.8	5363.8	5563.0	5591.1	5413.0	5291.2	5162.3	5136.5	5136.5
42.5°	5502.1	5481.0	5504.4	5567.7	5720.0	5698.9	5600.5	5511.4	5457.5	5429.4	5457.5
45°	5682.5	5677.8	5720.0	5766.9	5874.7	5804.4	5727.0	5741.1	5689.5	5642.7	5640.3
47.5°	5879.3	5848.9	5900.4	5970.7	5888.7	5855.9	5851.2	5881.7	5865.3	5783.3	5757.5
50°	5975.4	5963.7	6045.7	6127.7	6083.2	6008.2	6024.6	6073.8	5862.9	5752.8	5689.5
52.5°	6233.2	6235.5	6392.5	6437.0	6418.3	6308.2	6343.3	6209.7	5961.4	5806.7	5813.7
55°	6638.6	6622.2	6797.9	6929.1	6950.2	6809.6	6640.9	6453.4	6141.8	5984.8	5937.9
57°	6416.0	6453.4	6647.9	7036.9	7233.8	7067.4	6699.5	6357.4	5942.6	5752.8	5668.4
57.5°	6118.4	6179.3	6516.7	6908.0	7114.3	7100.2	6626.9	6179.3	5809.0	5513.8	5520.8
60°	4482.7	4494.4	4799.1	5420.1	6064.5	6078.5	5502.1	4909.2	4496.8	4175.8	4220.3
62.5°	2364.4	2418.3	2540.1	3039.3	3597.0	3732.9	3383.7	3079.1	2722.9	2479.2	2502.6
65°	1251.3	1244.3	1302.9	1443.5	1717.6	1787.9	1741.1	1499.7	1375.5	1335.7	1338.0
67.5°	1017.0	1028.7	1021.7	1028.7	1047.5	1077.9	1070.9	1080.3	1087.3	1099.0	1096.7
70°	862.3	862.3	867.0	869.4	869.4	883.4	899.8	930.3	932.6	944.3	949.0
72.5°	679.6	674.9	681.9	698.3	700.6	712.4	735.8	754.5	761.6	761.6	747.5
75°	461.6	466.3	475.7	489.7	503.8	524.9	543.6	555.4	560.0	553.0	546.0
77.5°	260.1	264.8	271.8	292.9	309.3	328.1	349.2	360.9	372.6	374.9	360.9
80°	154.7	154.7	166.4	182.8	201.5	220.3	239.0	253.1	257.8	257.8	250.7
82.5°	93.7	96.1	105.4	121.9	138.3	150.0	166.4	178.1	187.5	185.1	180.4
85°	49.2	49.2	58.6	72.6	84.4	96.1	96.1	89.0	84.4	72.6	68.0
87.5°	16.4	14.1	18.7	18.7	16.4	18.7	18.7	21.1	21.1	21.1	21.1
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)