

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: P532773

Luminaire Tested: **GALN-SA8A-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532773
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-SA8A-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA 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: 20159 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 244
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



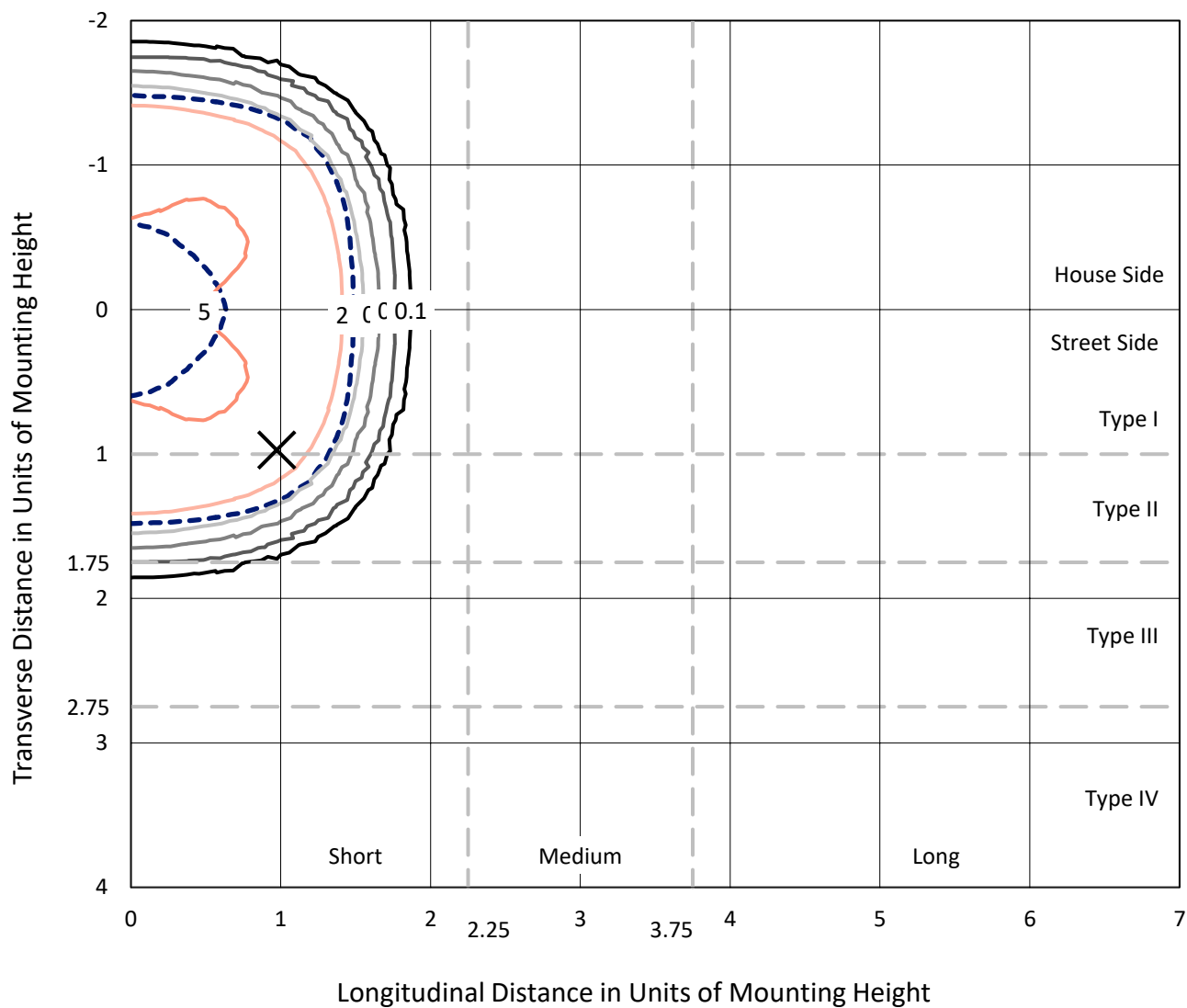
REPORT NUMBER: P532773

CATALOG NUMBER: GALN-SA8A-830-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



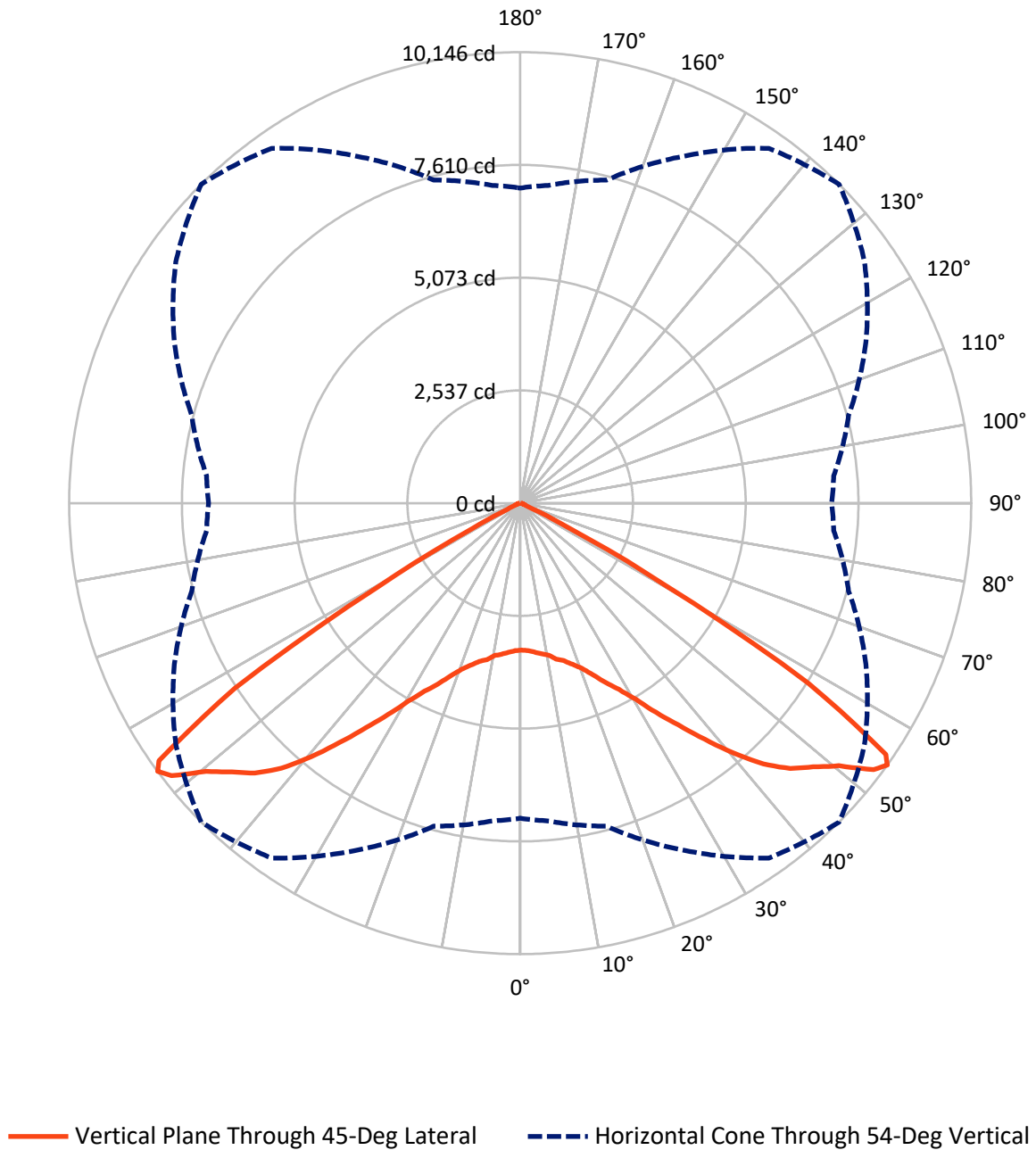
Based on 25 foot mounting height. Maximum calculated value = 5.4 fc

Type V - Short - N/A

REPORT NUMBER: P532773

CATALOG NUMBER: GALN-SA8A-830-U-5NQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532773

CATALOG NUMBER: GALN-SA8A-830-U-5NQ-GRSBK

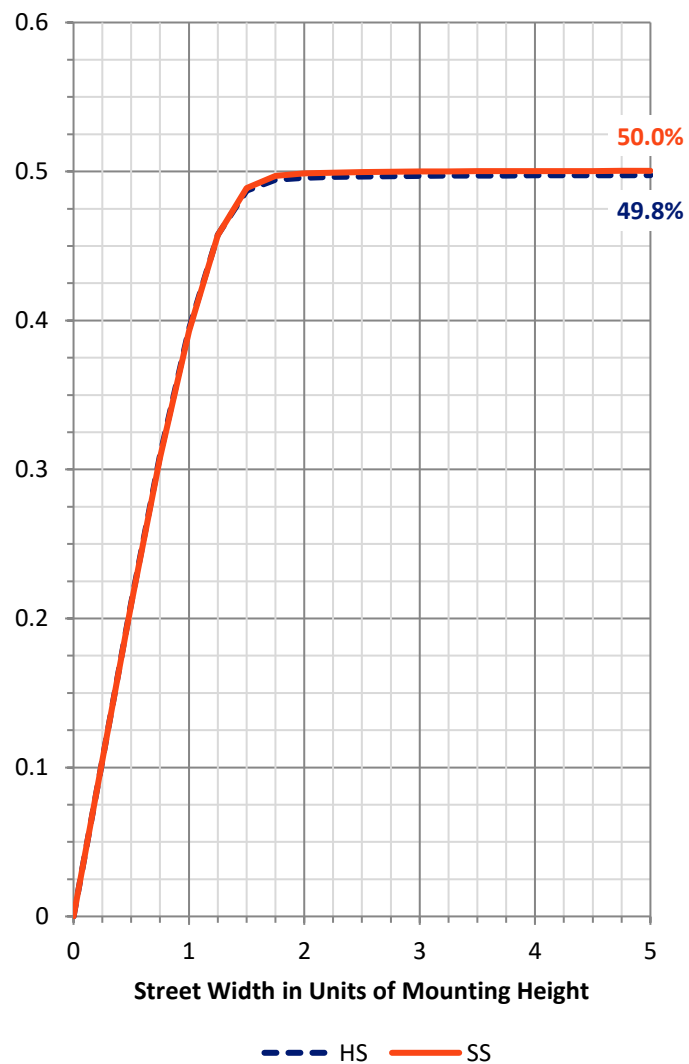
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10079.5	0.0	10079.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10079.5	0.0	10079.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20159.0	0.0	20159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	1.6
10°-20°	1047.7	5.2
20°-30°	2053.4	10.2
30°-40°	3692.5	18.3
40°-50°	6320.8	31.4
50°-60°	6116.0	30.3
60°-70°	523.6	2.6
70°-80°	62.1	0.3
80°-90°	19.5	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°	20159.0	100.0
0°-180°	20159.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532773

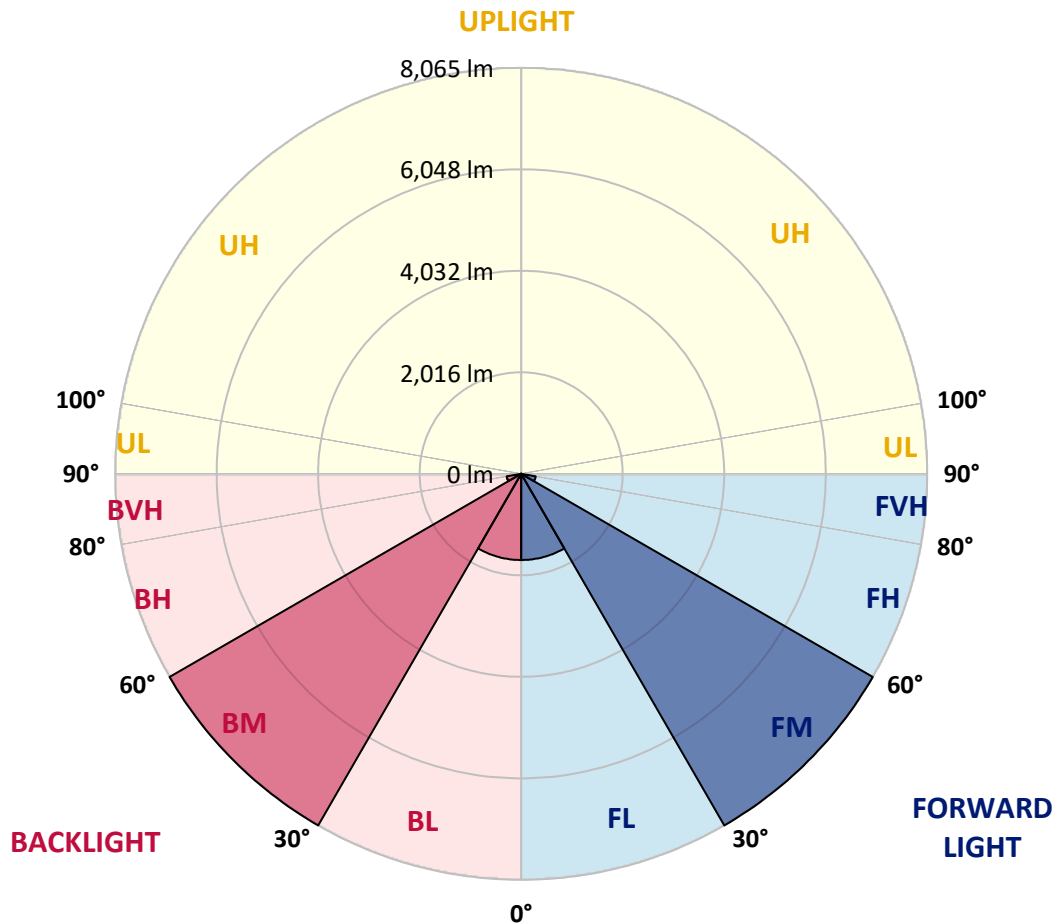
CATALOG NUMBER: GALN-SA8A-830-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1712.3	8.5			
FM	(30°-60°)	8064.6	40.0			
FH	(60°-80°)	292.8	1.5			G0/660
FVH	(80°-90°)	9.7	0.0			G0/10
BL	(0°-30°)	1712.3	8.5	B3/2500		
BM	(30°-60°)	8064.6	40.0	B4/8500		
BH	(60°-80°)	292.8	1.5	B1/500		G0/660
BVH	(80°-90°)	9.7	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



REPORT NUMBER: P532773

CATALOG NUMBER: GALN-SA8A-830-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4
2.5°	3321.4	3340.6	3327.8	3337.4	3337.4	3321.4	3331.0	3292.7	3318.2	3299.1	3302.3
5°	3372.5	3369.3	3369.3	3372.5	3359.7	3366.1	3353.4	3340.6	3331.0	3318.2	3356.5
7.5°	3436.4	3436.4	3414.0	3420.4	3414.0	3423.6	3398.1	3372.5	3362.9	3353.4	3347.0
10°	3497.1	3490.7	3481.1	3509.8	3487.5	3474.7	3461.9	3446.0	3410.8	3398.1	3385.3
12.5°	3586.5	3583.3	3570.5	3599.3	3586.5	3599.3	3551.4	3509.8	3503.5	3461.9	3484.3
15°	3691.9	3720.6	3698.3	3698.3	3691.9	3675.9	3656.8	3637.6	3580.1	3564.1	3567.3
17.5°	3829.2	3819.6	3822.8	3822.8	3854.8	3813.2	3774.9	3727.0	3698.3	3688.7	3656.8
20°	3960.2	3972.9	3969.7	3992.1	4011.2	3966.5	3925.0	3918.6	3838.8	3851.6	3806.9
22.5°	4190.1	4180.5	4196.5	4212.5	4199.7	4193.3	4155.0	4107.1	4036.8	4004.9	3998.5
25°	4432.8	4416.8	4388.1	4426.4	4445.6	4474.3	4400.9	4375.3	4266.7	4218.8	4222.0
27.5°	4640.4	4662.8	4694.7	4710.7	4758.6	4749.0	4697.9	4614.9	4531.8	4477.5	4442.4
30°	4924.6	4937.4	4991.7	5014.1	5097.1	5119.5	5039.6	4943.8	4796.9	4726.6	4685.1
32.5°	5186.5	5275.9	5272.7	5384.5	5518.7	5611.3	5467.6	5320.7	5173.7	5090.7	5017.3
35°	5611.3	5595.3	5687.9	5806.1	6023.3	6128.7	5972.2	5802.9	5579.3	5445.2	5387.7
37.5°	6007.3	6013.7	6138.2	6326.7	6575.8	6738.6	6601.3	6323.5	6093.5	5921.1	5841.2
40°	6582.2	6594.9	6722.7	6936.7	7217.7	7393.3	7233.7	6952.6	6646.0	6511.9	6511.9
42.5°	7256.0	7310.3	7393.3	7578.6	7830.9	8025.7	7882.0	7661.6	7351.8	7179.4	7204.9
45°	7949.0	7974.6	8028.9	8303.5	8421.7	8517.5	8383.4	8281.2	8073.6	7862.8	7827.7
47.5°	8597.4	8606.9	8766.6	8852.9	8945.5	8865.6	8951.9	8817.7	8584.6	8380.2	8338.7
50°	8884.8	8868.8	9095.6	9357.5	9427.7	9287.2	9213.7	9124.3	8769.8	8523.9	8415.3
52.5°	8048.0	8140.7	8562.2	9290.4	9839.7	9957.9	9529.9	9117.9	8456.8	7977.8	7904.3
54°	7089.9	7176.2	7524.3	8603.7	9747.1	10146.3	9456.5	8581.4	7648.8	7080.4	7006.9
55°	6141.4	6045.6	6678.0	7779.8	9312.7	9980.2	9165.8	7888.4	6821.7	6301.1	6198.9
57.5°	3324.6	3340.6	3873.9	4915.1	6543.8	7652.0	6757.8	5336.6	4030.4	3446.0	3394.9
60°	1053.9	1079.5	1312.6	1986.5	3126.6	3733.4	3200.1	2143.0	1481.9	1188.0	1140.1
62.5°	328.9	341.7	373.7	555.7	855.9	1223.2	958.1	574.9	428.0	392.8	399.2
65°	201.2	201.2	204.4	217.2	255.5	297.0	287.4	252.3	242.7	236.3	233.1
67.5°	130.9	127.7	134.1	143.7	150.1	153.3	162.9	172.5	169.3	162.9	162.9
70°	79.8	76.6	83.0	95.8	99.0	105.4	115.0	127.7	124.6	118.2	121.4
72.5°	44.7	44.7	47.9	57.5	67.1	73.5	83.0	92.6	95.8	92.6	92.6
75°	16.0	19.2	25.5	35.1	41.5	51.1	60.7	70.3	79.8	73.5	70.3
77.5°	6.4	6.4	12.8	22.4	31.9	41.5	57.5	67.1	73.5	67.1	60.7
80°	3.2	3.2	9.6	19.2	28.7	38.3	47.9	57.5	60.7	54.3	47.9
82.5°	3.2	3.2	9.6	19.2	28.7	35.1	51.1	57.5	63.9	57.5	47.9
85°	0.0	3.2	9.6	19.2	25.5	28.7	28.7	19.2	16.0	9.6	9.6
87.5°	0.0	0.0	3.2	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)