

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: P532644

Luminaire Tested: **GALN-SA8A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30985 lumens
Efficiency: N/A
Efficacy: 127.0 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

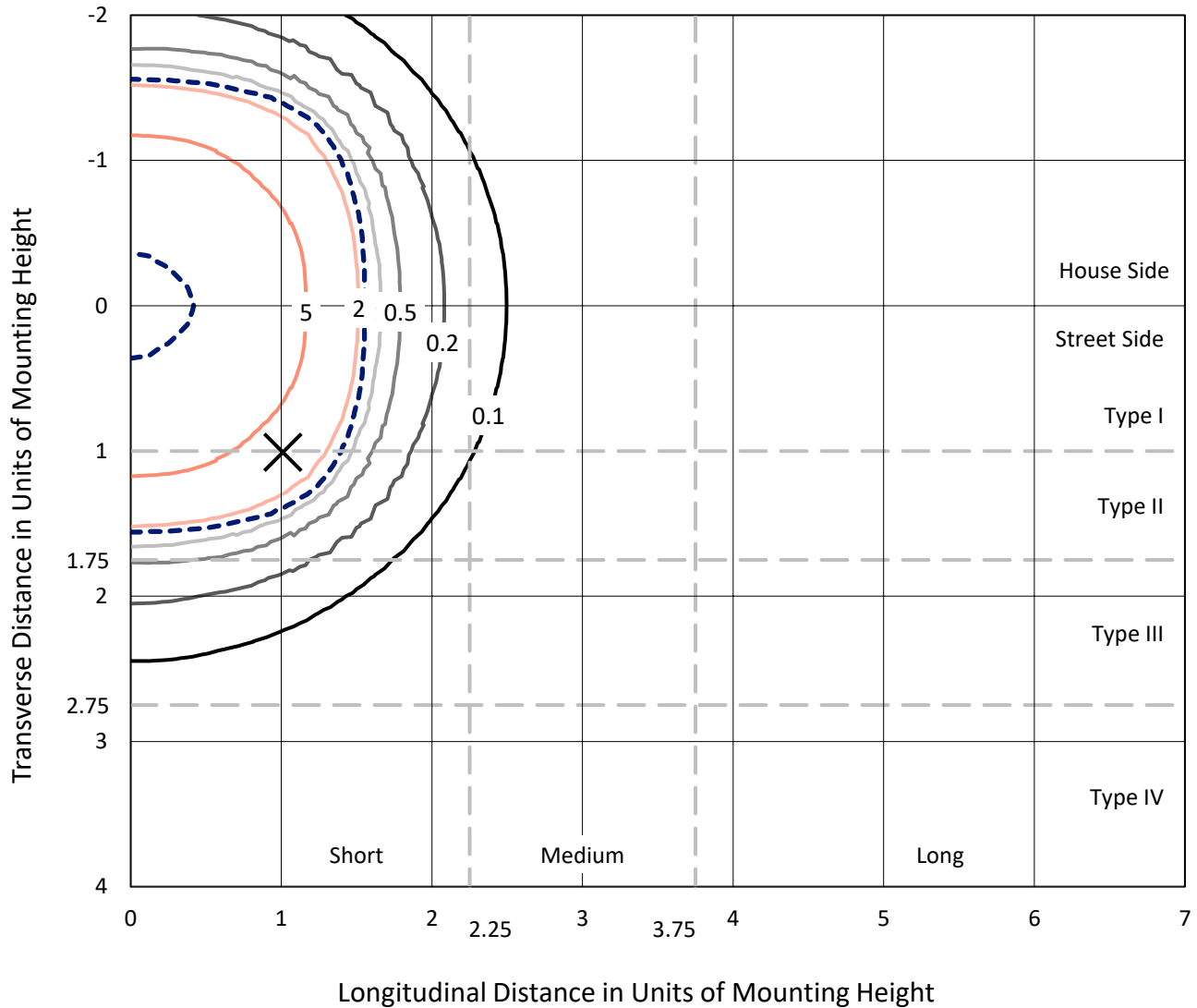
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532644
 CATALOG NUMBER: GALN-SA8A-735-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

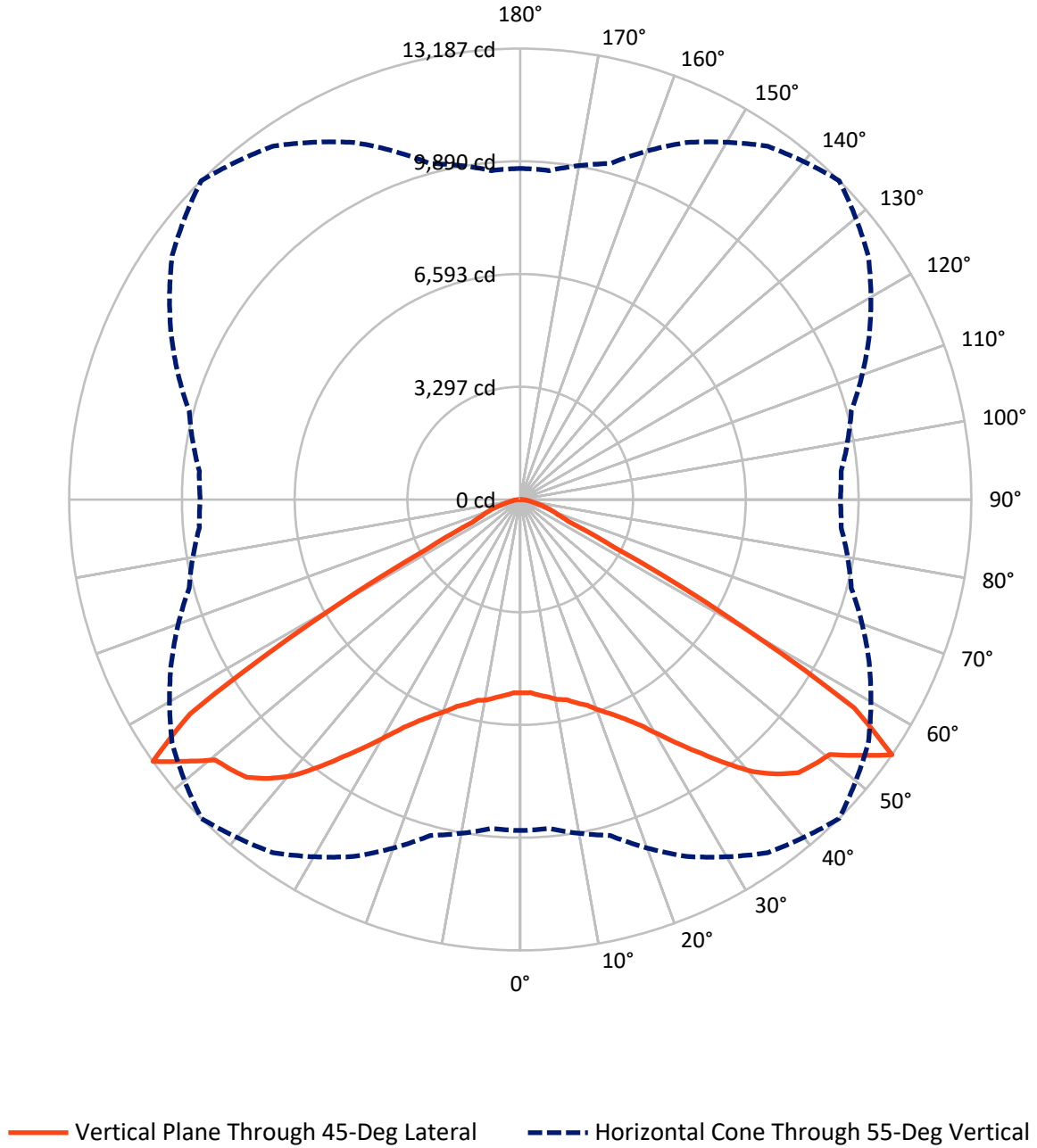
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

REPORT NUMBER: P532644
CATALOG NUMBER: GALN-SA8A-735-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P532644
 CATALOG NUMBER: GALN-SA8A-735-U-5NQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15492.5	0.0	15492.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15492.5	0.0	15492.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30985.0	0.0	30985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.7	1.8
10°-20°	1751.2	5.7
20°-30°	3265.3	10.5
30°-40°	5467.2	17.6
40°-50°	8507.5	27.5
50°-60°	8833.4	28.5
60°-70°	1873.3	6.0
70°-80°	616.9	2.0
80°-90°	117.5	0.4
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°	30985.0	100.0
0°-180°	30985.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532644

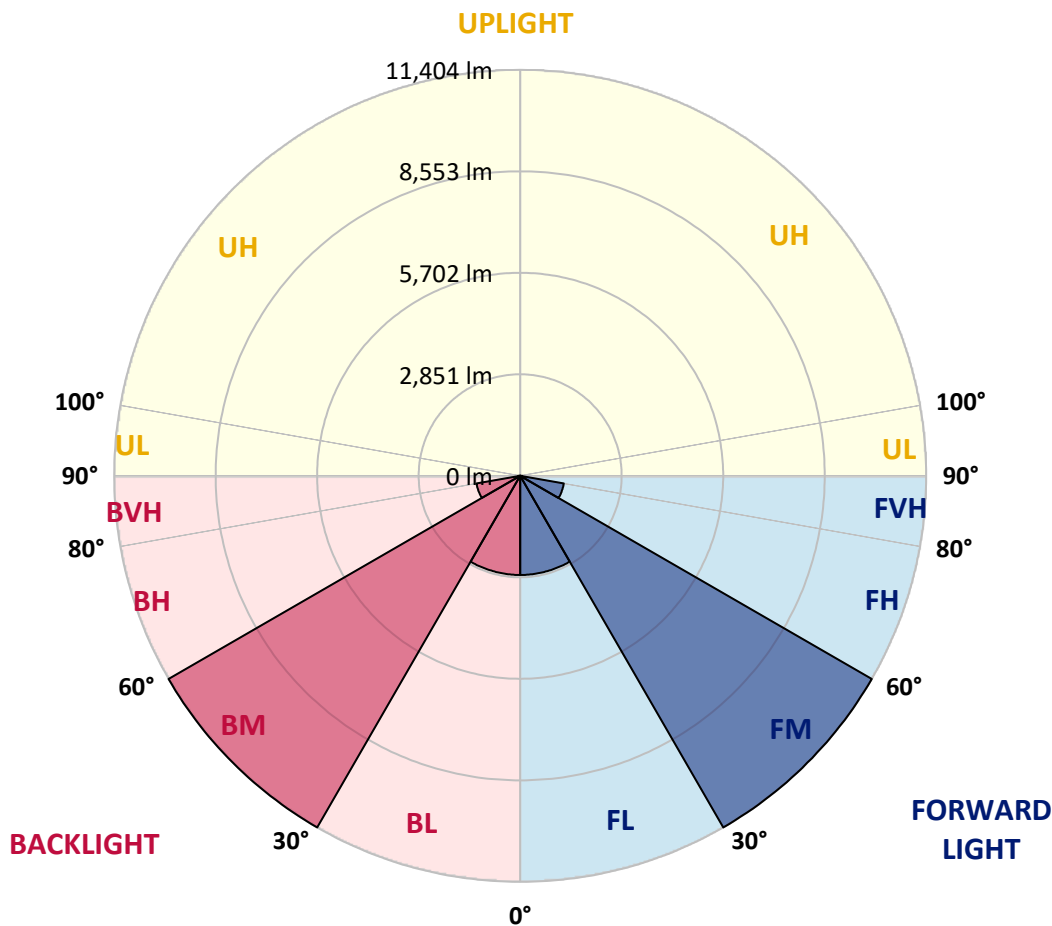
CATALOG NUMBER: GALN-SA8A-735-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2784.6	9.0			
FM (30°-60°)	11404.1	36.8			
FH (60°-80°)	1245.1	4.0			G1/1800
FVH (80°-90°)	58.7	0.2			G1/100
BL (0°-30°)	2784.6	9.0	B4/5000		
BM (30°-60°)	11404.1	36.8	B5		
BH (60°-80°)	1245.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	58.7	0.2			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





REPORT NUMBER: P532644

CATALOG NUMBER: GALN-SA8A-735-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5657.4	5657.4	5657.4	5657.4	5657.4	5657.4	5657.4	5657.4	5657.4	5657.4	5657.4
2.5°	5724.8	5698.6	5653.7	5687.4	5713.6	5657.4	5679.9	5691.1	5683.6	5653.7	5664.9
5°	5807.2	5792.2	5754.7	5781.0	5747.3	5747.3	5724.8	5694.8	5739.8	5732.3	5751.0
7.5°	5807.2	5788.4	5863.3	5814.7	5829.6	5829.6	5792.2	5762.2	5784.7	5751.0	5732.3
10°	5923.2	5949.4	5915.7	5927.0	5919.5	5945.7	5889.5	5870.8	5852.1	5840.9	5818.4
12.5°	6061.8	6043.0	6054.3	6046.8	6073.0	6005.6	5971.9	5930.7	5964.4	5915.7	5949.4
15°	6174.1	6162.9	6174.1	6204.0	6177.8	6174.1	6114.2	6073.0	6020.6	6031.8	5979.4
17.5°	6327.6	6316.4	6320.1	6346.3	6342.6	6323.9	6278.9	6200.3	6181.6	6151.6	6117.9
20°	6556.0	6537.3	6529.8	6541.0	6559.7	6574.7	6484.9	6454.9	6391.3	6342.6	6286.4
22.5°	6750.7	6743.2	6773.2	6724.5	6765.7	6810.6	6724.5	6709.5	6552.2	6526.0	6466.1
25°	7020.3	7009.0	6990.3	7061.5	7110.1	7106.4	7024.0	6941.6	6821.8	6791.9	6791.9
27.5°	7304.8	7241.2	7338.5	7357.2	7443.4	7469.6	7398.4	7278.6	7166.3	7102.6	7117.6
30°	7660.5	7600.6	7623.1	7757.9	7870.2	7967.5	7787.8	7611.8	7454.6	7342.3	7323.5
32.5°	8016.2	7956.3	8023.7	8154.7	8379.4	8525.4	8349.4	8042.4	7859.0	7694.2	7727.9
35°	8304.5	8349.4	8458.0	8656.5	8888.6	9124.5	8843.7	8607.8	8345.7	8162.2	8188.4
37.5°	8768.8	8907.3	8993.4	9221.8	9551.3	9794.7	9502.6	9195.6	8914.8	8675.2	8592.8
40°	9375.3	9468.9	9566.3	9835.9	10225.3	10468.6	10191.6	9790.9	9513.9	9266.8	9255.5
42.5°	10041.8	10131.6	10232.7	10562.2	10794.4	10977.8	10723.2	10509.8	10202.8	10008.1	9996.9
45°	10816.8	10753.2	10865.5	11082.7	11277.4	11397.2	11232.4	11127.6	10906.7	10727.0	10708.2
47.5°	11333.5	11277.4	11479.5	11674.2	11704.2	11573.1	11606.8	11704.2	11472.1	11176.3	11269.9
50°	11633.0	11633.0	11767.8	11947.6	11891.4	11722.9	11988.7	11996.2	11764.1	11502.0	11502.0
52.5°	11112.6	11228.7	11610.6	12198.4	12385.6	12434.3	12374.4	12119.8	11513.2	10977.8	10951.6
55°	9682.4	9656.1	10172.8	11520.7	12610.3	13186.9	12423.1	11251.1	10019.3	9416.5	9356.6
57.5°	6297.6	6327.6	7098.9	8473.0	10438.7	11513.2	10225.3	8577.8	7098.9	6267.7	6346.3
60°	2834.3	2935.4	3403.4	4429.3	6117.9	6994.1	6132.9	4654.0	3571.9	3100.1	3141.3
62.5°	1628.7	1647.4	1666.1	1976.9	2605.9	3081.4	2707.0	2089.2	1842.1	1759.7	1759.7
65°	1374.1	1362.9	1366.6	1392.8	1460.2	1557.6	1516.4	1460.2	1467.7	1460.2	1449.0
67.5°	1168.2	1183.1	1171.9	1190.6	1194.4	1209.4	1235.6	1258.0	1261.8	1269.3	1261.8
70°	958.5	962.2	969.7	984.7	988.5	999.7	1037.1	1055.8	1067.1	1067.1	1082.1
72.5°	733.9	730.1	737.6	752.6	771.3	775.0	808.7	834.9	849.9	831.2	834.9
75°	483.0	486.7	498.0	509.2	535.4	561.6	572.9	599.1	602.8	610.3	591.6
77.5°	288.3	295.8	307.0	329.5	351.9	374.4	400.6	419.3	426.8	419.3	396.9
80°	187.2	187.2	202.2	220.9	247.1	265.8	280.8	295.8	307.0	295.8	288.3
82.5°	116.1	116.1	134.8	157.3	176.0	187.2	209.7	228.4	239.6	232.1	220.9
85°	59.9	63.7	78.6	97.3	112.3	119.8	116.1	104.8	93.6	89.9	82.4
87.5°	18.7	18.7	22.5	22.5	18.7	18.7	22.5	18.7	22.5	22.5	22.5
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)