

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: P531368

Luminaire Tested: **GALN-SA6C-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531368
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-SA6C-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA 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: 29241 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 321
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



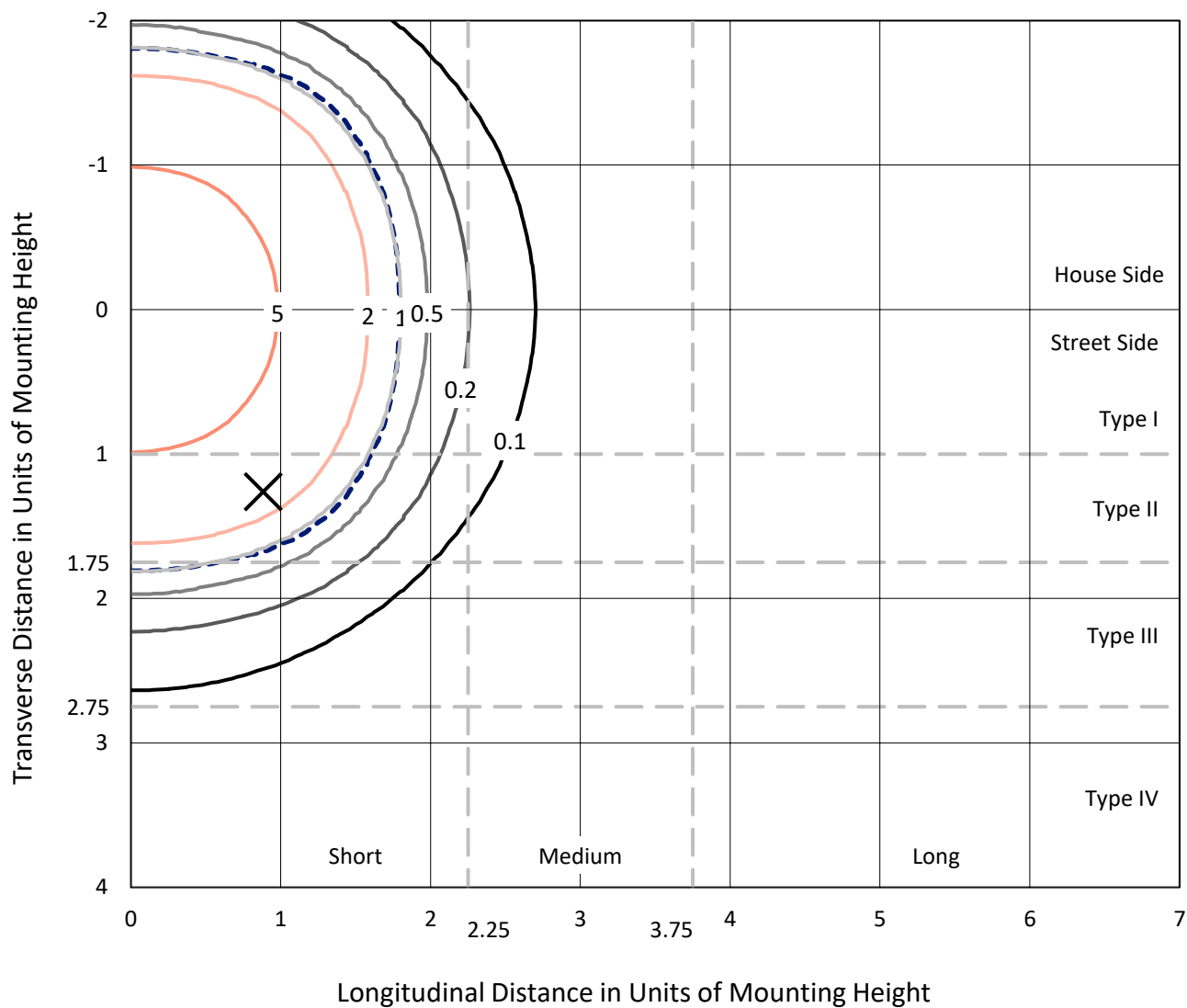
REPORT NUMBER: P531368

CATALOG NUMBER: GALN-SA6C-830-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

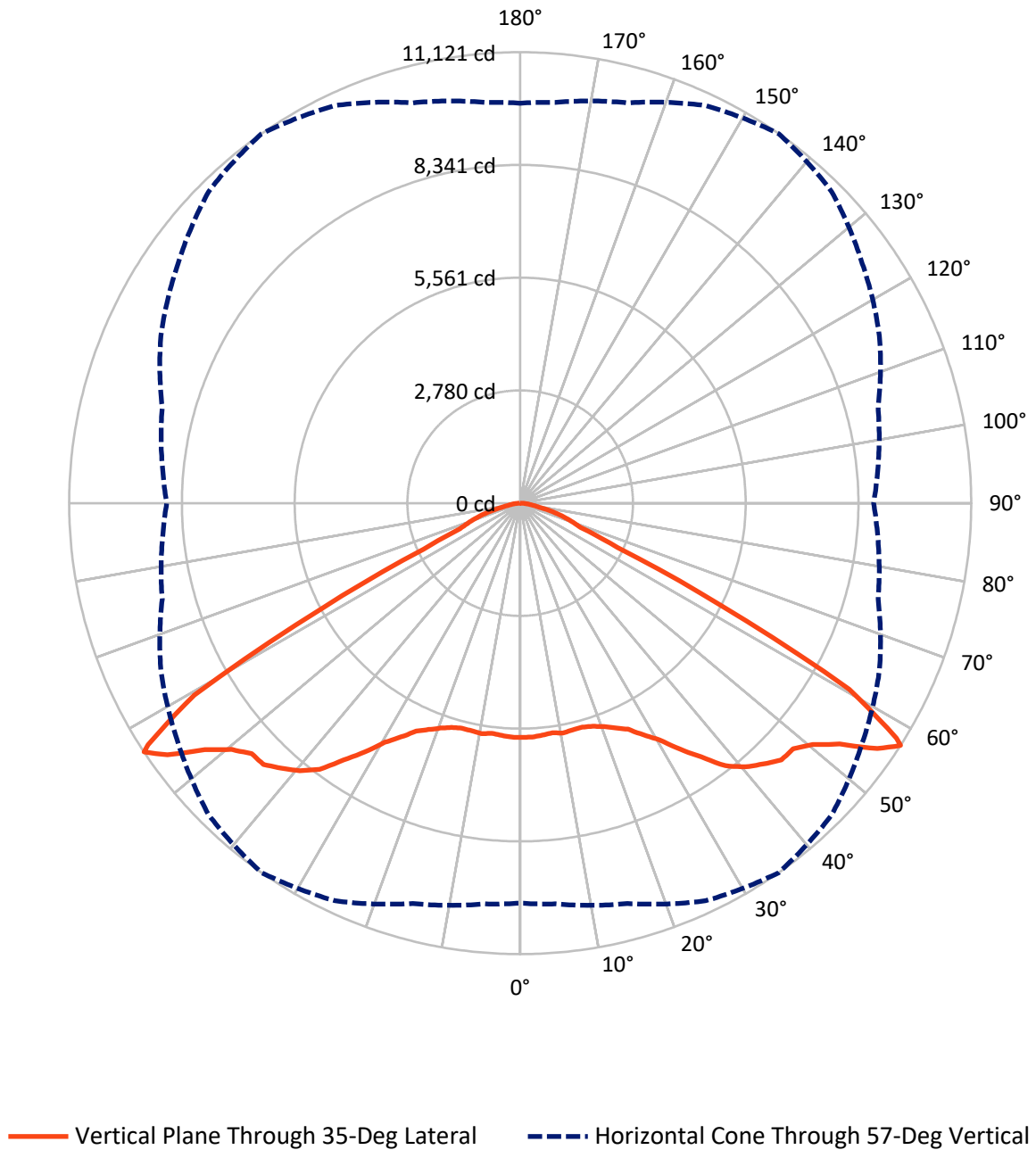


Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type V - Short - N/A

REPORT NUMBER: P531368

CATALOG NUMBER: GALN-SA6C-830-U-5MQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P531368

CATALOG NUMBER: GALN-SA6C-830-U-5MQ-GRSWH

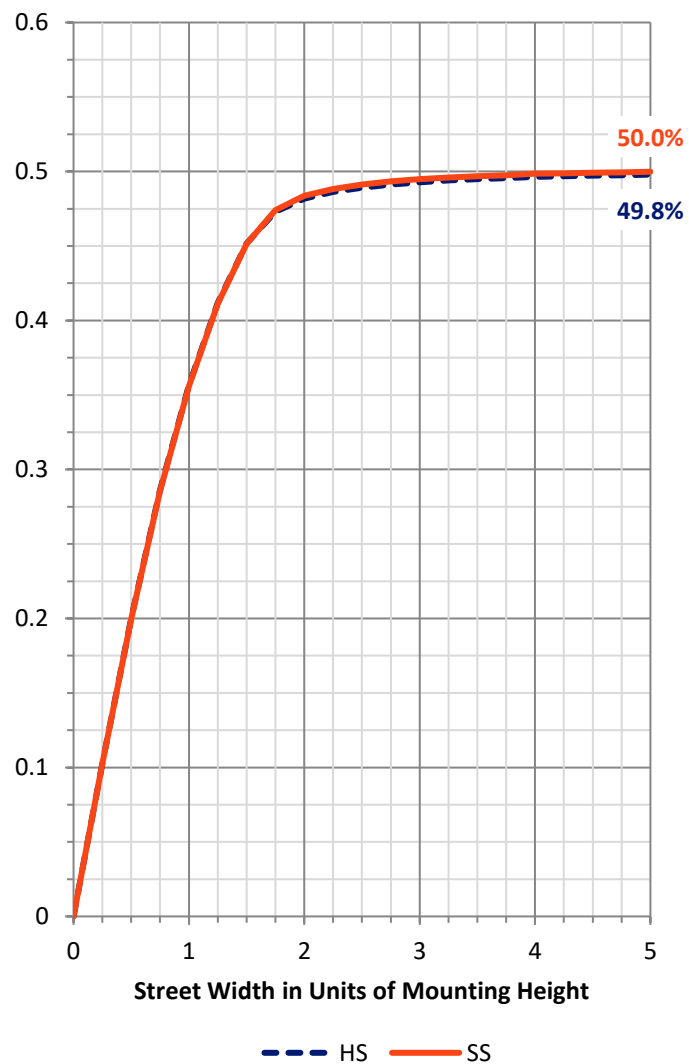
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14620.5	0.0	14620.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14620.5	0.0	14620.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29241.0	0.0	29241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.5	1.9
10°-20°	1621.5	5.5
20°-30°	2831.9	9.7
30°-40°	4640.1	15.9
40°-50°	6803.6	23.3
50°-60°	8569.6	29.3
60°-70°	3223.0	11.0
70°-80°	857.0	2.9
80°-90°	146.9	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°	29241.0	100.0
0°-180°	29241.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531368

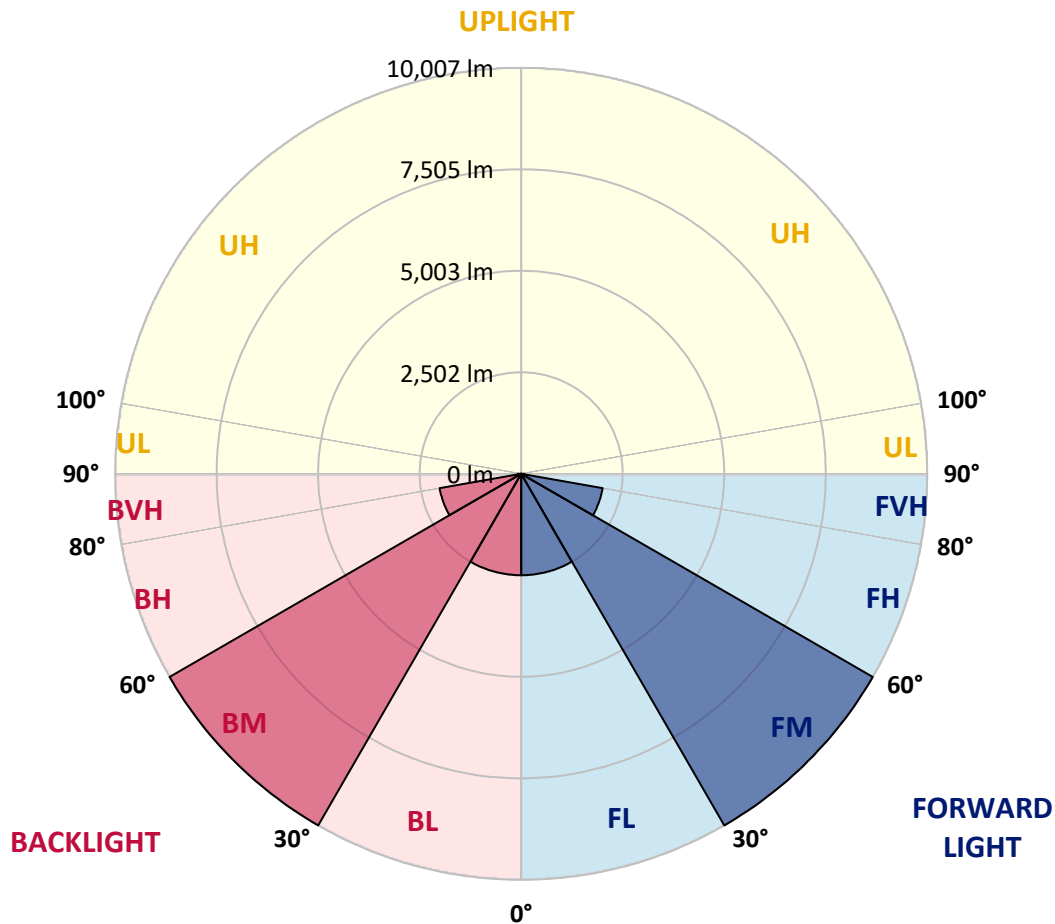
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2500.4	8.6			
FM	(30°-60°)	10006.7	34.2			
FH	(60°-80°)	2040.0	7.0			G2/5000
FVH	(80°-90°)	73.5	0.3			G1/100
BL	(0°-30°)	2500.4	8.6	B4/5000		
BM	(30°-60°)	10006.7	34.2	B5		
BH	(60°-80°)	2040.0	7.0	B3/2500		G2/5000
BVH	(80°-90°)	73.5	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-G2

Type V Short



REPORT NUMBER: P531368

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9
2.5°	5746.1	5803.7	5778.5	5764.1	5774.9	5756.9	5728.0	5760.5	5753.3	5724.4	5713.6
5°	5731.7	5774.9	5746.1	5774.9	5746.1	5796.5	5782.1	5728.0	5792.9	5731.7	5753.3
7.5°	5720.8	5735.3	5742.5	5728.0	5717.2	5778.5	5746.1	5720.8	5684.8	5674.0	5692.0
10°	5695.6	5731.7	5677.6	5749.7	5764.1	5720.8	5720.8	5674.0	5645.2	5627.2	5688.4
12.5°	5760.5	5699.2	5692.0	5728.0	5738.9	5756.9	5706.4	5681.2	5627.2	5634.4	5623.6
15°	5684.8	5710.0	5713.6	5720.8	5731.7	5774.9	5728.0	5674.0	5652.4	5576.7	5583.9
17.5°	5713.6	5688.4	5713.6	5796.5	5782.1	5814.5	5764.1	5681.2	5630.8	5587.5	5645.2
20°	5764.1	5753.3	5764.1	5864.9	5883.0	5911.8	5868.5	5792.9	5695.6	5645.2	5674.0
22.5°	5818.1	5810.9	5818.1	5915.4	6019.9	6055.9	6012.7	5836.1	5785.7	5692.0	5659.6
25°	5915.4	5922.6	5998.2	6106.3	6174.8	6243.2	6164.0	6037.9	5875.8	5818.1	5749.7
27.5°	6131.5	6149.5	6192.8	6351.3	6470.2	6531.4	6419.7	6246.8	6145.9	6027.1	6009.0
30°	6398.1	6398.1	6473.8	6610.7	6772.8	6866.5	6729.6	6524.2	6401.7	6336.9	6297.3
32.5°	6751.2	6711.5	6740.4	6981.7	7233.9	7313.2	7129.4	6877.3	6682.7	6596.3	6567.4
35°	7053.8	7079.0	7143.8	7403.2	7684.2	7868.0	7579.8	7251.9	7053.8	6974.5	6960.1
37.5°	7446.5	7489.7	7522.1	7878.8	8217.4	8285.9	8008.5	7745.5	7504.1	7439.3	7403.2
40°	8001.3	7972.4	7983.2	8246.2	8552.4	8595.7	8321.9	8134.6	7936.4	7896.8	7896.8
42.5°	8458.8	8426.4	8462.4	8559.7	8793.8	8761.4	8610.1	8473.2	8390.3	8347.1	8390.3
45°	8736.2	8729.0	8793.8	8865.9	9031.6	8923.5	8804.6	8826.2	8747.0	8674.9	8671.3
47.5°	9038.8	8992.0	9071.2	9179.3	9053.2	9002.8	8995.6	9042.4	9017.2	8891.1	8851.5
50°	9186.5	9168.5	9294.6	9420.7	9352.2	9236.9	9262.1	9337.8	9013.6	8844.3	8747.0
52.5°	9582.8	9586.4	9827.7	9896.2	9867.4	9698.1	9752.1	9546.7	9164.9	8927.1	8937.9
55°	10206.0	10180.8	10451.0	10652.7	10685.2	10469.0	10209.6	9921.4	9442.3	9200.9	9128.9
57°	9863.8	9921.4	10220.4	10818.4	11121.1	10865.3	10299.7	9773.7	9136.1	8844.3	8714.6
57.5°	9406.2	9499.9	10018.7	10620.3	10937.3	10915.7	10188.0	9499.9	8930.7	8476.8	8487.6
60°	6891.7	6909.7	7378.0	8332.7	9323.4	9345.0	8458.8	7547.3	6913.3	6419.7	6488.2
62.5°	3635.0	3717.8	3905.2	4672.5	5529.9	5738.9	5202.1	4733.7	4186.2	3811.5	3847.5
65°	1923.8	1913.0	2003.0	2219.2	2640.7	2748.7	2676.7	2305.6	2114.7	2053.5	2057.1
67.5°	1563.5	1581.5	1570.7	1581.5	1610.3	1657.2	1646.4	1660.8	1671.6	1689.6	1686.0
70°	1325.7	1325.7	1332.9	1336.5	1336.5	1358.2	1383.4	1430.2	1433.8	1451.8	1459.0
72.5°	1044.7	1037.5	1048.3	1073.6	1077.2	1095.2	1131.2	1160.0	1170.8	1170.8	1149.2
75°	709.7	716.9	731.3	752.9	774.5	807.0	835.8	853.8	861.0	850.2	839.4
77.5°	399.9	407.1	417.9	450.3	475.5	504.4	536.8	554.8	572.8	576.4	554.8
80°	237.8	237.8	255.8	281.0	309.8	338.6	367.5	389.1	396.3	396.3	385.5
82.5°	144.1	147.7	162.1	187.3	212.6	230.6	255.8	273.8	288.2	284.6	277.4
85°	75.7	75.7	90.1	111.7	129.7	147.7	147.7	136.9	129.7	111.7	104.5
87.5°	25.2	21.6	28.8	28.8	25.2	28.8	28.8	32.4	32.4	32.4	32.4
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)