

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: P533010

Luminaire Tested: **GALN-SA8B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30976 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 325
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

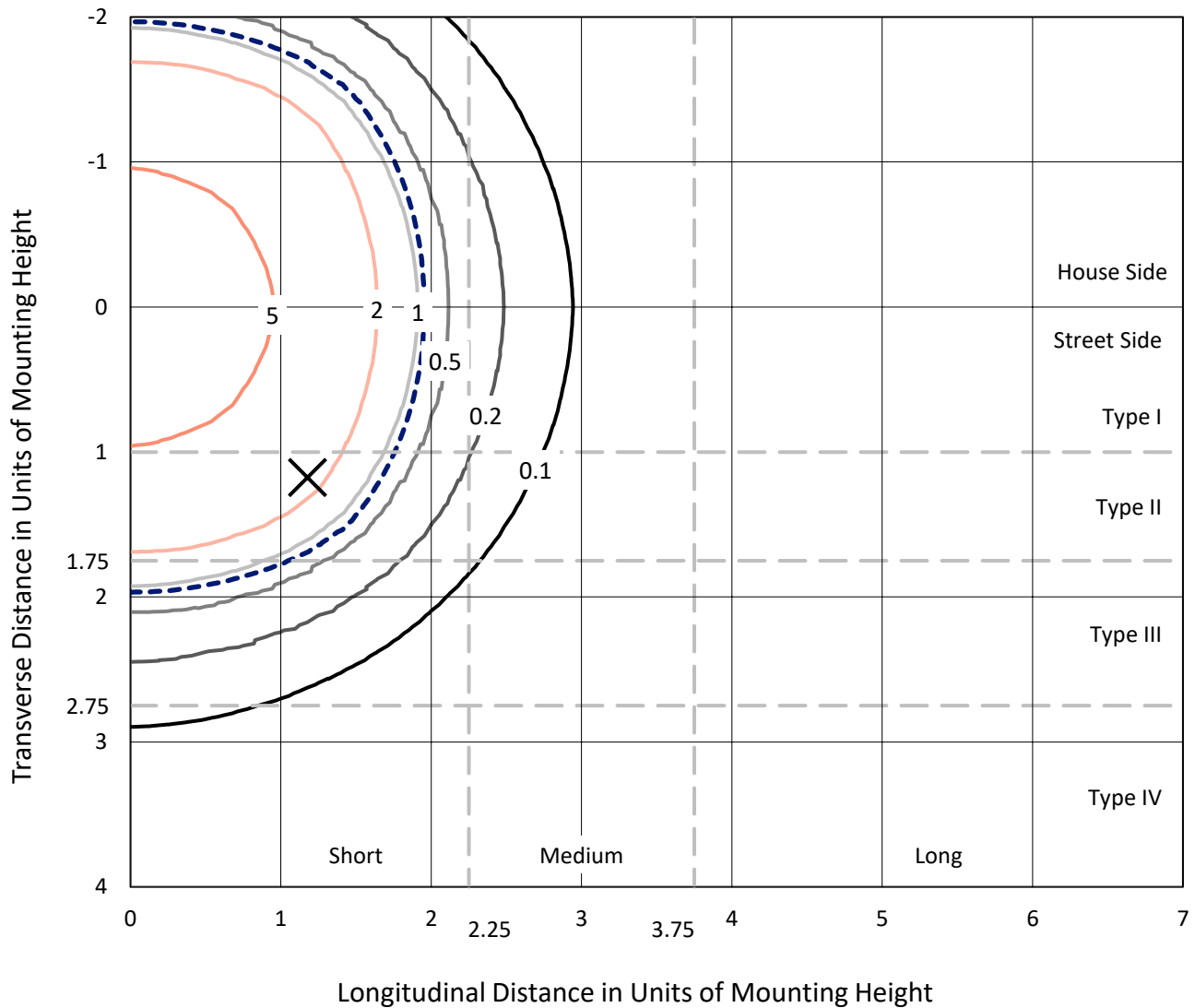


REPORT NUMBER: P533010

CATALOG NUMBER: GALN-SA8B-830-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

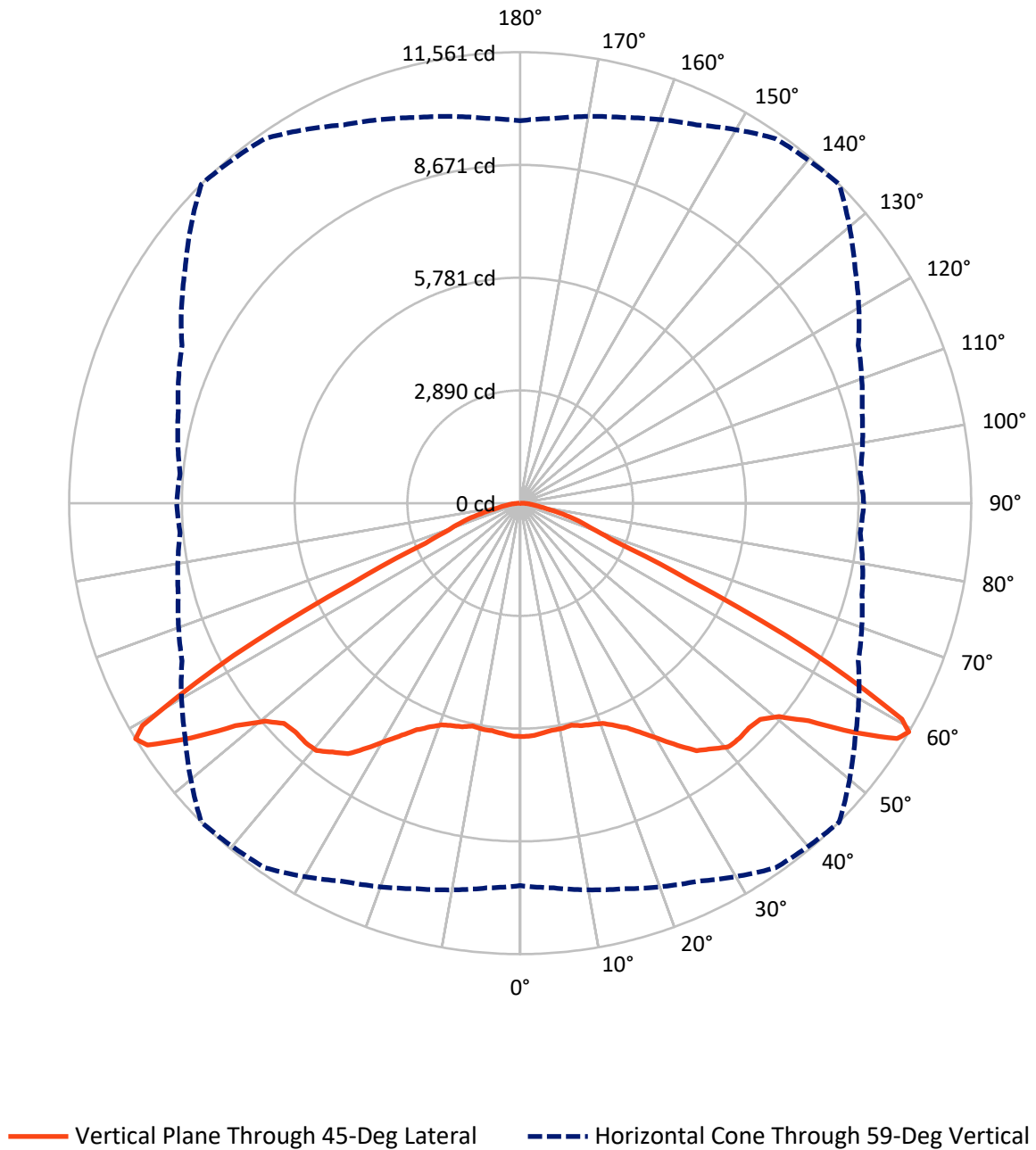


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type V - Short - N/A

REPORT NUMBER: P533010

CATALOG NUMBER: GALN-SA8B-830-U-5WQ-GRSWH

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15488.0	0.0	15488.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15488.0	0.0	15488.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30976.0	0.0	30976.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.0	1.8
10°-20°	1677.3	5.4
20°-30°	2928.7	9.5
30°-40°	4677.6	15.1
40°-50°	6371.8	20.6
50°-60°	8616.4	27.8
60°-70°	4725.2	15.3
70°-80°	1208.9	3.9
80°-90°	206.2	0.7
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°	30976.0	100.0
0°-180°	30976.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533010

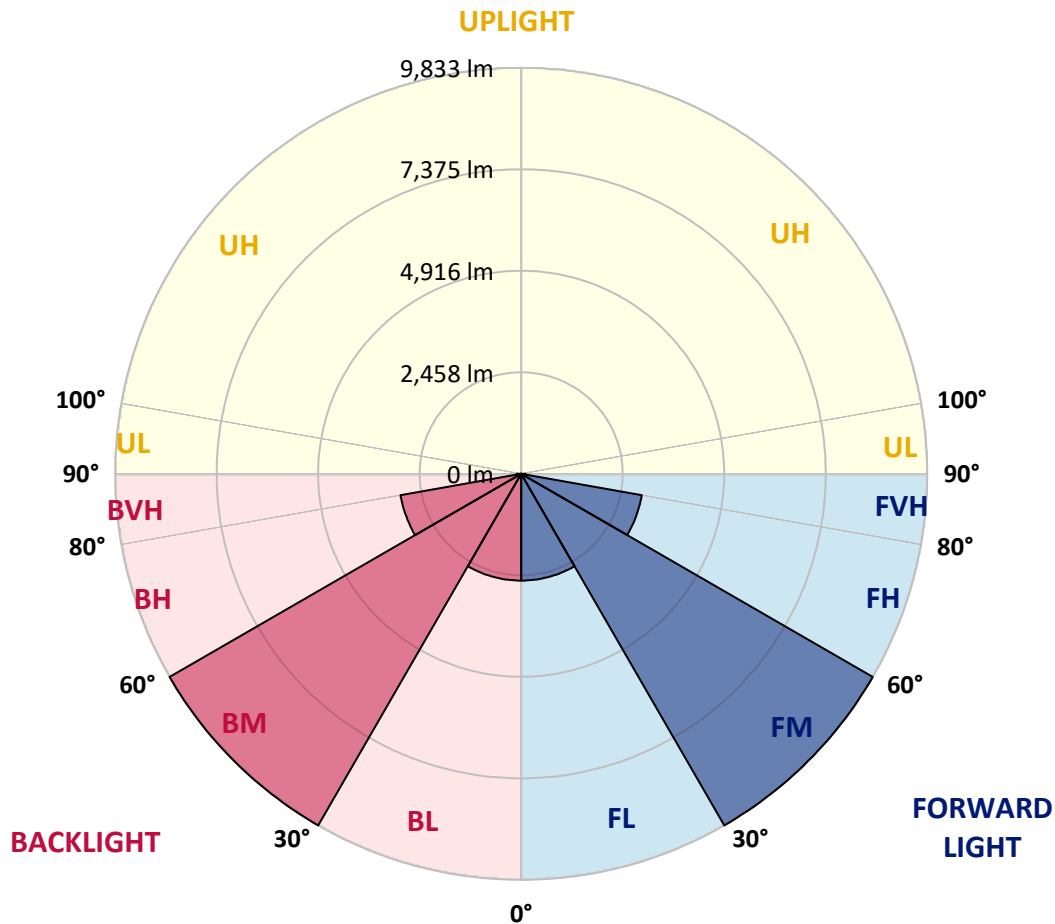
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2585.0	8.3			
FM	(30°-60°)	9832.9	31.7			
FH	(60°-80°)	2967.0	9.6			G2/5000
FVH	(80°-90°)	103.1	0.3			G2/225
BL	(0°-30°)	2585.0	8.3	B4/5000		
BM	(30°-60°)	9832.9	31.7	B5		
BH	(60°-80°)	2967.0	9.6	B4/5000		G2/5000
BVH	(80°-90°)	103.1	0.3			G2/225
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1
2.5°	5947.4	5991.0	5959.3	5987.1	5983.1	5971.2	5951.3	5939.4	5923.5	5947.4	5907.6
5°	5923.5	5959.3	5995.0	5947.4	5947.4	5923.5	5911.6	5887.8	5887.8	5883.8	5879.9
7.5°	5963.2	5927.5	5911.6	5919.6	5927.5	5875.9	5911.6	5864.0	5824.3	5852.1	5883.8
10°	5927.5	5943.4	5883.8	5911.6	5867.9	5875.9	5852.1	5883.8	5840.2	5840.2	5840.2
12.5°	5963.2	5919.6	5939.4	5919.6	5907.6	5840.2	5871.9	5836.2	5832.2	5871.9	5836.2
15°	6034.7	5963.2	5947.4	5907.6	5919.6	5919.6	5887.8	5891.8	5848.1	5871.9	5879.9
17.5°	6010.9	5971.2	5959.3	5911.6	5951.3	5963.2	5903.7	5864.0	5891.8	5887.8	5883.8
20°	6030.7	6046.6	6034.7	6042.6	6058.5	6026.8	5971.2	5915.6	5879.9	5931.5	5927.5
22.5°	6157.8	6141.9	6133.9	6126.0	6153.8	6185.6	6110.1	6022.8	6022.8	6058.5	6074.4
25°	6261.0	6257.0	6253.1	6288.8	6384.1	6384.1	6288.8	6177.6	6149.8	6173.7	6153.8
27.5°	6411.9	6455.5	6439.7	6503.2	6642.1	6673.9	6546.8	6415.8	6340.4	6312.6	6348.3
30°	6757.3	6705.7	6717.6	6785.1	6908.1	7011.4	6816.8	6677.9	6574.6	6570.7	6586.6
32.5°	6987.5	7027.2	7063.0	7126.5	7321.0	7400.4	7166.2	6939.9	6876.4	6840.6	6852.6
35°	7448.1	7412.4	7404.4	7467.9	7662.5	7793.5	7499.7	7301.2	7217.8	7297.2	7297.2
37.5°	7884.8	7785.5	7710.1	7793.5	7972.1	7988.0	7737.9	7630.7	7587.0	7678.4	7674.4
40°	8091.3	8083.3	7908.6	7956.3	8194.5	8218.3	7984.1	7857.0	7849.1	7968.2	8087.3
42.5°	8305.6	8230.2	8055.5	8087.3	8234.2	8242.1	8019.8	7984.1	8071.4	8186.5	8194.5
45°	8341.4	8277.9	8166.7	8087.3	8194.5	8218.3	8087.3	8111.1	8119.0	8258.0	8258.0
47.5°	8412.8	8404.9	8341.4	8281.8	8301.7	8281.8	8198.4	8234.2	8353.3	8420.8	8389.0
50°	8611.4	8528.0	8591.5	8539.9	8543.9	8599.4	8524.0	8559.7	8535.9	8476.4	8436.7
52.5°	9048.1	9008.4	9064.0	9099.7	9139.4	9266.4	9179.1	8988.5	8809.9	8651.1	8647.1
55°	9687.3	9715.1	9822.3	10004.9	10159.7	10362.2	9941.4	9484.8	9198.9	8948.8	8964.7
57.5°	10290.7	10270.9	10417.8	10834.7	11287.3	11390.5	10564.7	9913.6	9449.1	9290.3	9222.8
59°	9806.4	9901.7	10235.2	10699.7	11410.3	11561.2	10481.3	9564.2	9071.9	8750.3	8805.9
60°	9044.1	9079.8	9377.6	10024.7	10985.5	11243.6	9921.5	9024.3	8369.2	8182.6	8265.9
62.5°	6392.0	6364.2	6578.6	7106.6	7968.2	8317.6	7376.6	6745.4	6332.5	6126.0	6173.7
65°	3398.5	3525.5	3612.9	3942.4	4399.0	4768.2	4379.1	4105.2	3874.9	3704.2	3700.2
67.5°	2294.8	2278.9	2298.7	2374.2	2529.0	2632.2	2624.3	2485.3	2465.5	2433.7	2469.5
70°	1933.5	1925.5	1889.8	1889.8	1921.6	1945.4	1973.2	1989.1	2020.8	2060.5	2056.6
72.5°	1568.2	1548.4	1524.6	1512.6	1552.3	1564.3	1600.0	1615.9	1643.7	1639.7	1675.4
75°	1036.2	1036.2	1064.0	1095.8	1107.7	1131.5	1135.5	1183.1	1183.1	1191.1	1159.3
77.5°	579.6	563.8	583.6	615.4	643.2	686.8	730.5	766.2	786.1	778.2	778.2
80°	337.5	337.5	357.3	393.0	428.8	468.5	500.2	528.0	547.9	539.9	524.1
82.5°	210.4	210.4	230.3	266.0	293.8	317.6	361.3	397.0	420.8	412.9	393.0
85°	107.2	107.2	131.0	154.8	190.6	206.5	202.5	186.6	182.6	162.8	162.8
87.5°	27.8	27.8	39.7	43.7	35.7	39.7	39.7	39.7	39.7	39.7	43.7
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)