

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: P533008

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533008
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-SA8B-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA 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: 32887 lumens
Efficiency: N/A
Efficacy: 101.2 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): 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



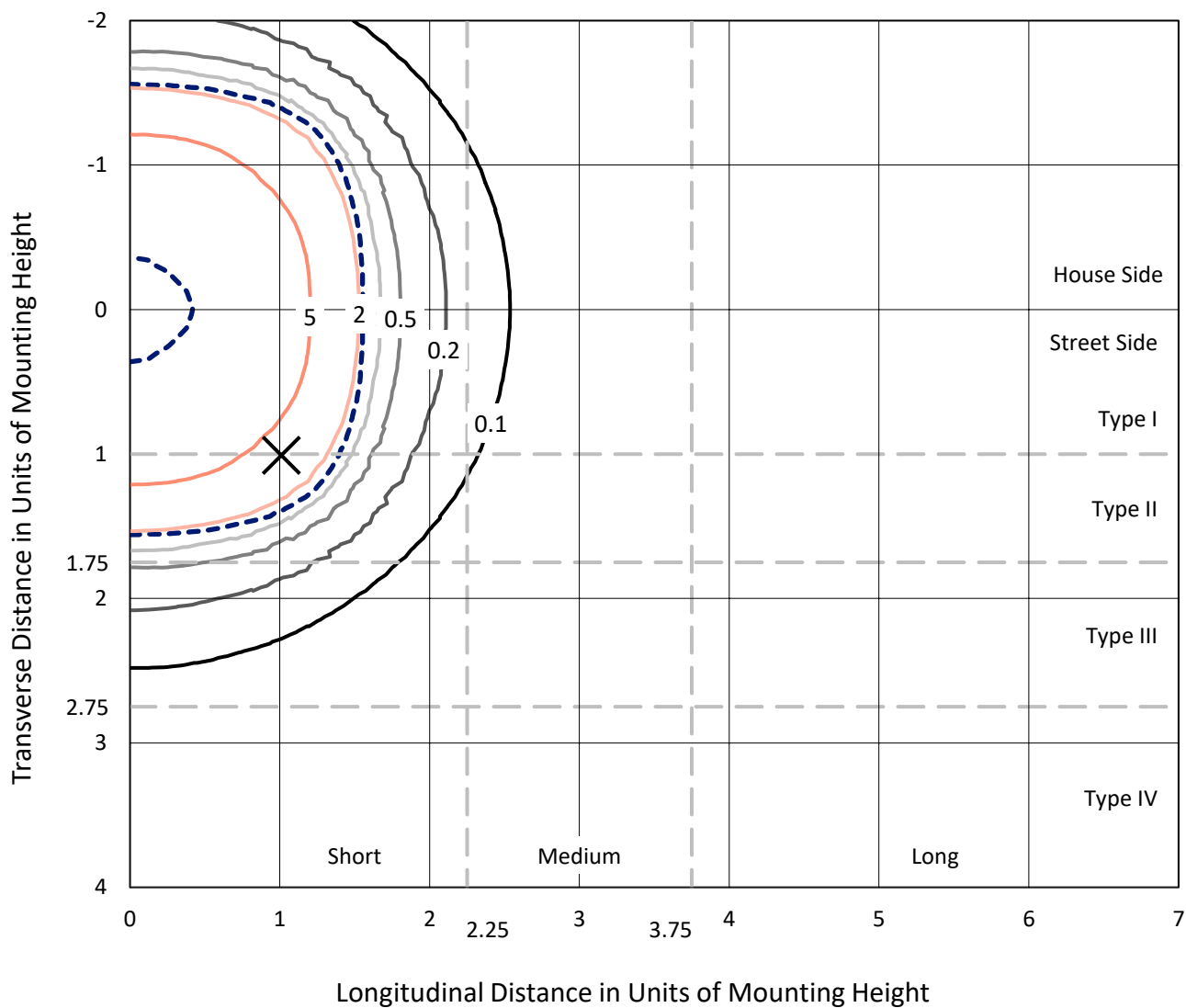
REPORT NUMBER: P533008

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

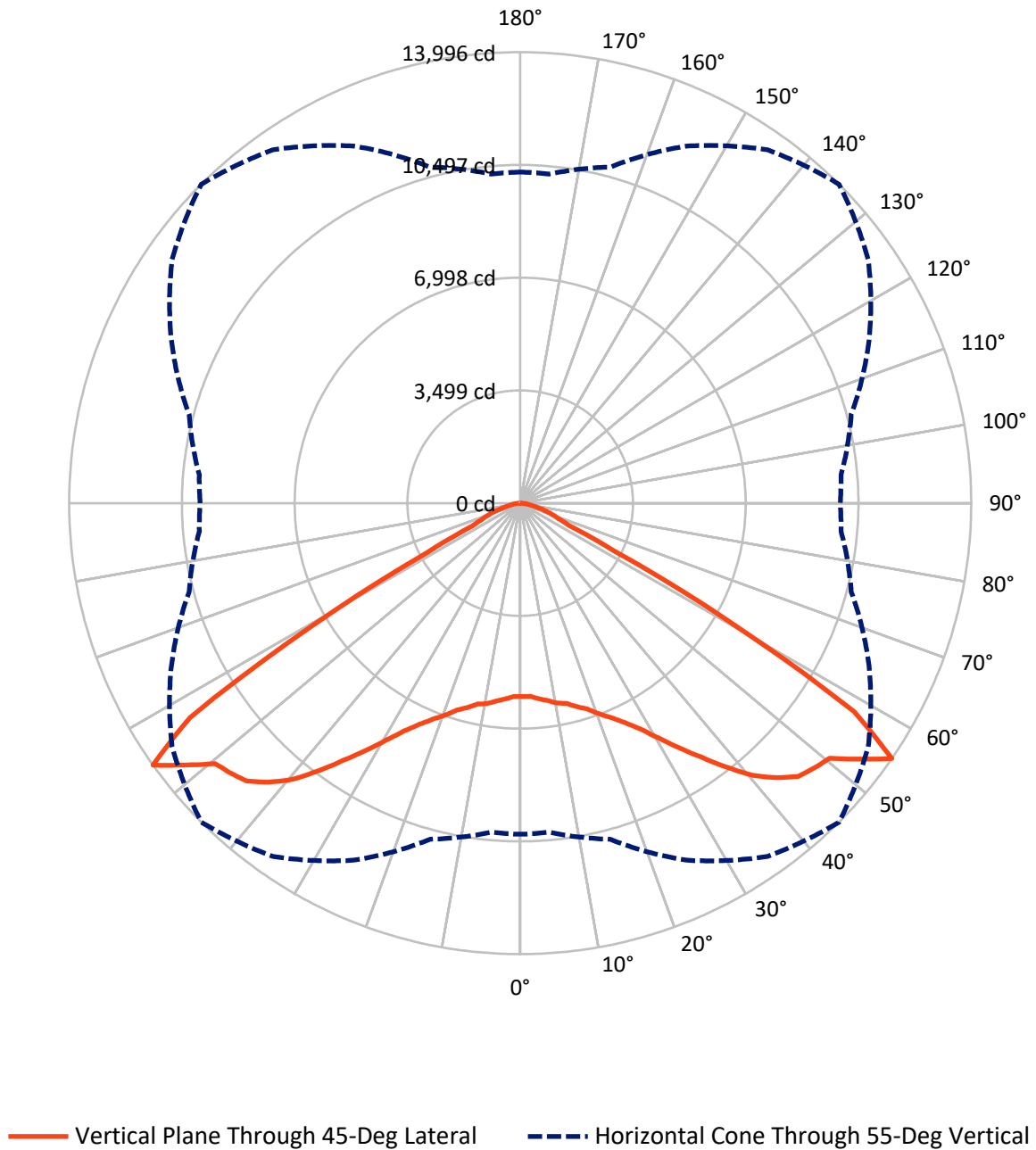
--- 1/2 Max cd



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

REPORT NUMBER: P533008
CATALOG NUMBER: GALN-SA8B-830-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533008

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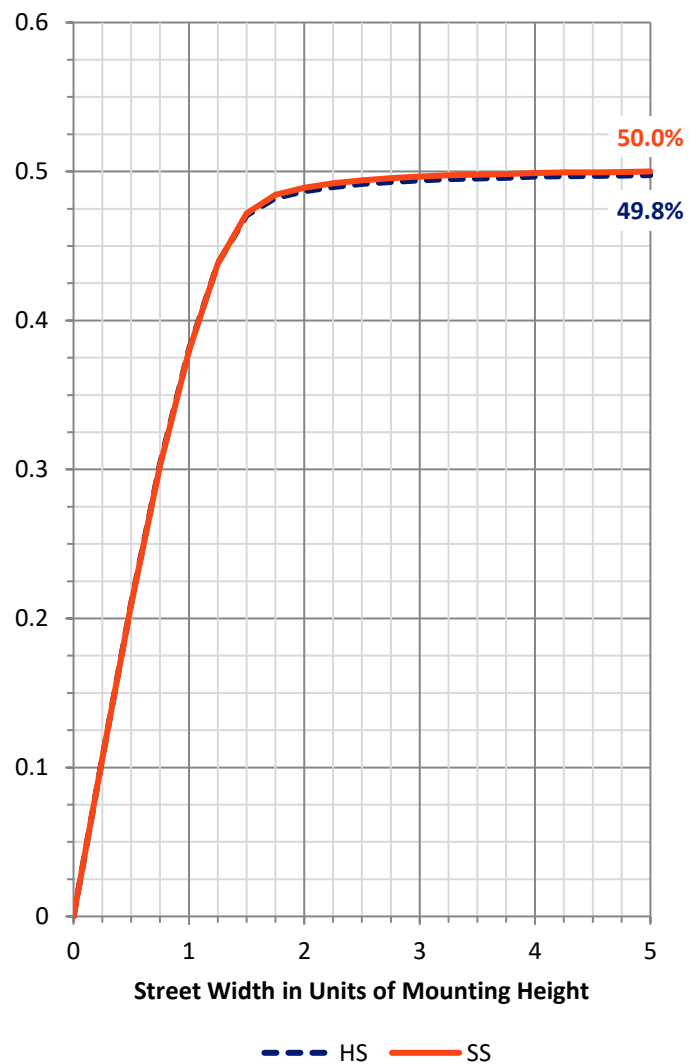
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16443.5	0.0	16443.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16443.5	0.0	16443.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32887.0	0.0	32887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.6	1.8
10°-20°	1858.6	5.7
20°-30°	3465.8	10.5
30°-40°	5802.8	17.6
40°-50°	9029.7	27.5
50°-60°	9375.7	28.5
60°-70°	1988.3	6.0
70°-80°	654.8	2.0
80°-90°	124.7	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°	32887.0	100.0
0°-180°	32887.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533008

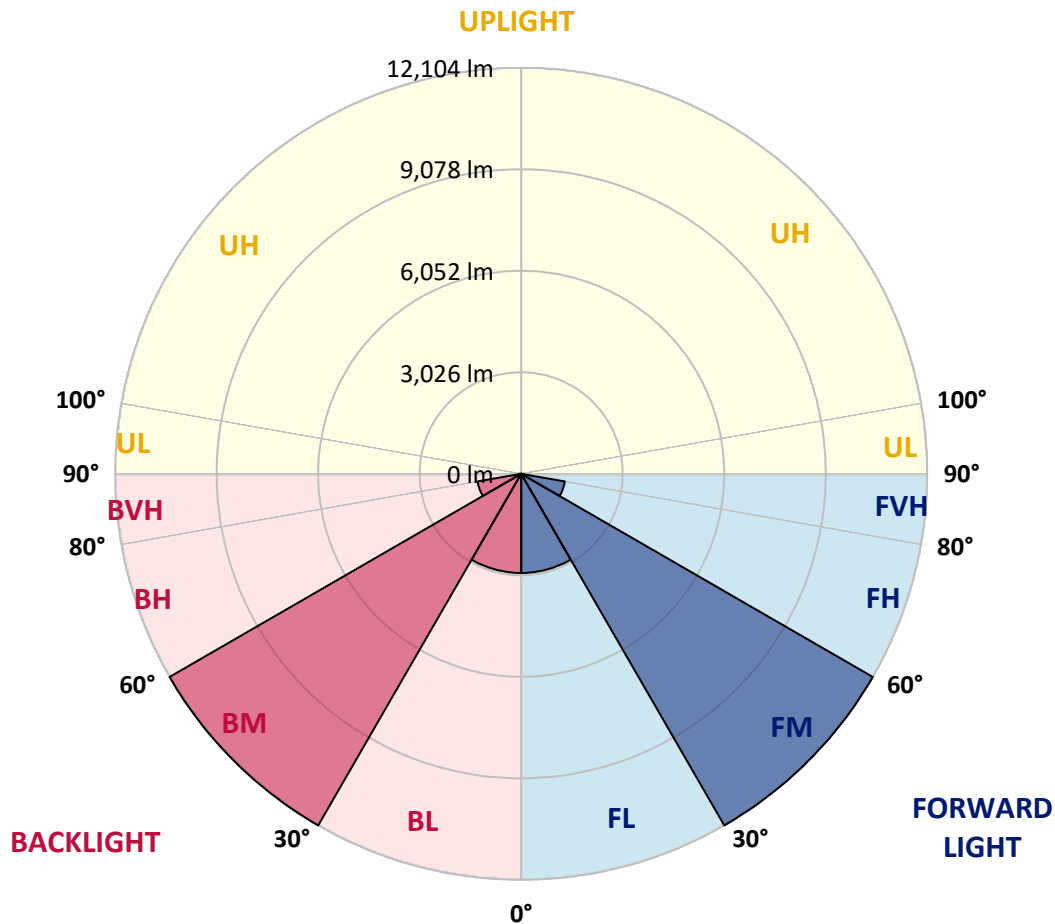
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2955.5	9.0			
FM	(30°-60°)	12104.1	36.8			
FH	(60°-80°)	1321.5	4.0			G1/1800
FVH	(80°-90°)	62.4	0.2			G1/100
BL	(0°-30°)	2955.5	9.0	B4/5000		
BM	(30°-60°)	12104.1	36.8	B5		
BH	(60°-80°)	1321.5	4.0	B3/2500		G1/1800
BVH	(80°-90°)	62.4	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: P533008

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6004.7	6004.7	6004.7	6004.7	6004.7	6004.7	6004.7	6004.7	6004.7	6004.7	6004.7
2.5°	6076.2	6048.4	6000.7	6036.5	6064.3	6004.7	6028.5	6040.4	6032.5	6000.7	6012.6
5°	6163.6	6147.7	6108.0	6135.8	6100.1	6100.1	6076.2	6044.4	6092.1	6084.2	6104.0
7.5°	6163.6	6143.8	6223.2	6171.6	6187.5	6187.5	6147.7	6115.9	6139.8	6104.0	6084.2
10°	6286.8	6314.6	6278.9	6290.8	6282.9	6310.7	6251.1	6231.2	6211.3	6199.4	6175.6
12.5°	6433.9	6414.0	6425.9	6418.0	6445.8	6374.3	6338.5	6294.8	6330.5	6278.9	6314.6
15°	6553.1	6541.2	6553.1	6584.9	6557.1	6553.1	6489.5	6445.8	6390.2	6402.1	6346.4
17.5°	6716.0	6704.1	6708.1	6735.9	6731.9	6712.0	6664.4	6580.9	6561.0	6529.2	6493.5
20°	6958.4	6938.6	6930.6	6942.5	6962.4	6978.3	6882.9	6851.1	6783.6	6731.9	6672.3
22.5°	7165.1	7157.1	7188.9	7137.3	7181.0	7228.7	7137.3	7121.4	6954.5	6926.6	6863.1
25°	7451.2	7439.3	7419.4	7494.9	7546.6	7542.6	7455.2	7367.7	7240.6	7208.8	7208.8
27.5°	7753.2	7685.7	7789.0	7808.9	7900.3	7928.1	7852.6	7725.4	7606.2	7538.6	7554.5
30°	8130.8	8067.2	8091.0	8234.1	8353.3	8456.6	8265.9	8079.1	7912.2	7793.0	7773.1
32.5°	8508.3	8444.7	8516.2	8655.3	8893.8	9048.7	8862.0	8536.1	8341.4	8166.5	8202.3
35°	8814.3	8862.0	8977.2	9187.8	9434.2	9684.6	9386.5	9136.2	8858.0	8663.3	8691.1
37.5°	9307.0	9454.1	9545.5	9787.9	10137.6	10395.9	10085.9	9760.1	9462.0	9207.7	9120.3
40°	9950.8	10050.2	10153.5	10439.6	10852.9	11111.2	10817.2	10391.9	10097.9	9835.6	9823.7
42.5°	10658.2	10753.6	10860.9	11210.6	11457.0	11651.7	11381.5	11154.9	10829.1	10622.4	10610.5
45°	11480.8	11413.3	11532.5	11763.0	11969.6	12096.8	11921.9	11810.7	11576.2	11385.4	11365.6
47.5°	12029.2	11969.6	12184.2	12390.9	12422.6	12283.6	12319.3	12422.6	12176.3	11862.3	11961.7
50°	12347.1	12347.1	12490.2	12681.0	12621.3	12442.5	12724.7	12732.6	12486.2	12208.1	12208.1
52.5°	11794.8	11917.9	12323.3	12947.2	13145.9	13197.6	13134.0	12863.8	12220.0	11651.7	11623.9
55°	10276.7	10248.9	10797.3	12227.9	13384.3	13996.3	13185.6	11941.8	10634.4	9994.5	9931.0
57.5°	6684.2	6716.0	7534.7	8993.1	11079.4	12220.0	10852.9	9104.4	7534.7	6652.4	6735.9
60°	3008.3	3115.6	3612.3	4701.2	6493.5	7423.4	6509.4	4939.7	3791.2	3290.5	3334.2
62.5°	1728.7	1748.5	1768.4	2098.3	2765.9	3270.6	2873.2	2217.5	1955.2	1867.8	1867.8
65°	1458.4	1446.5	1450.5	1478.3	1549.9	1653.2	1609.5	1549.9	1557.8	1549.9	1537.9
67.5°	1239.9	1255.8	1243.9	1263.7	1267.7	1283.6	1311.4	1335.3	1339.2	1347.2	1339.2
70°	1017.3	1021.3	1029.3	1045.2	1049.1	1061.1	1100.8	1120.7	1132.6	1132.6	1148.5
72.5°	778.9	774.9	782.9	798.8	818.6	822.6	858.4	886.2	902.1	882.2	886.2
75°	512.6	516.6	528.5	540.5	568.3	596.1	608.0	635.8	639.8	647.8	627.9
77.5°	306.0	313.9	325.9	349.7	373.6	397.4	425.2	445.1	453.0	445.1	421.2
80°	198.7	198.7	214.6	234.5	262.3	282.2	298.0	313.9	325.9	313.9	306.0
82.5°	123.2	123.2	143.1	166.9	186.8	198.7	222.5	242.4	254.3	246.4	234.5
85°	63.6	67.6	83.5	103.3	119.2	127.2	123.2	111.3	99.3	95.4	87.4
87.5°	19.9	19.9	23.8	23.8	19.9	19.9	23.8	19.9	23.8	23.8	23.8
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)