

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: P531610

Luminaire Tested: **GALN-SA6D-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31942 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 368
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

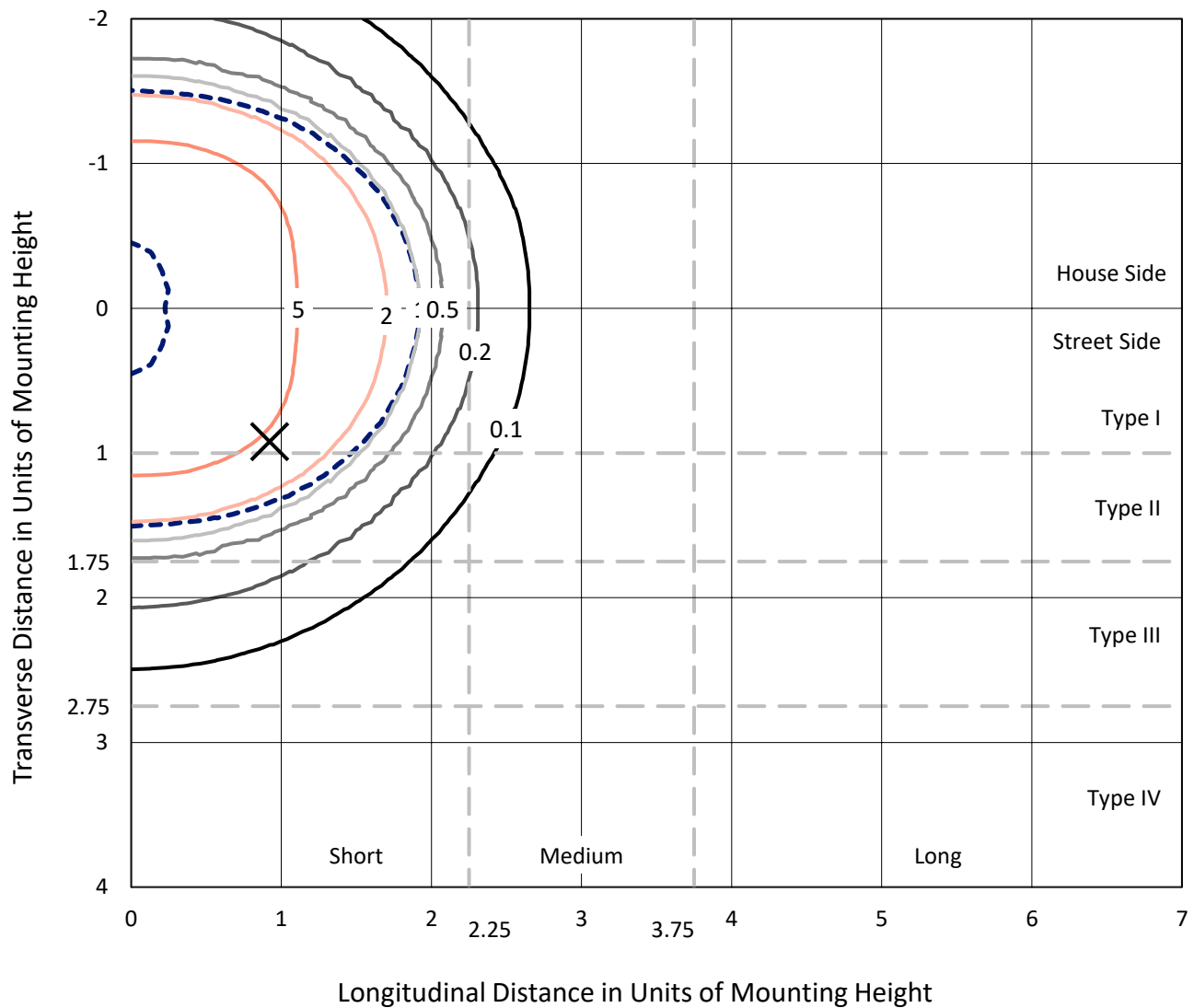


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Iso-Footcandle Lines of Horizontal Illumination

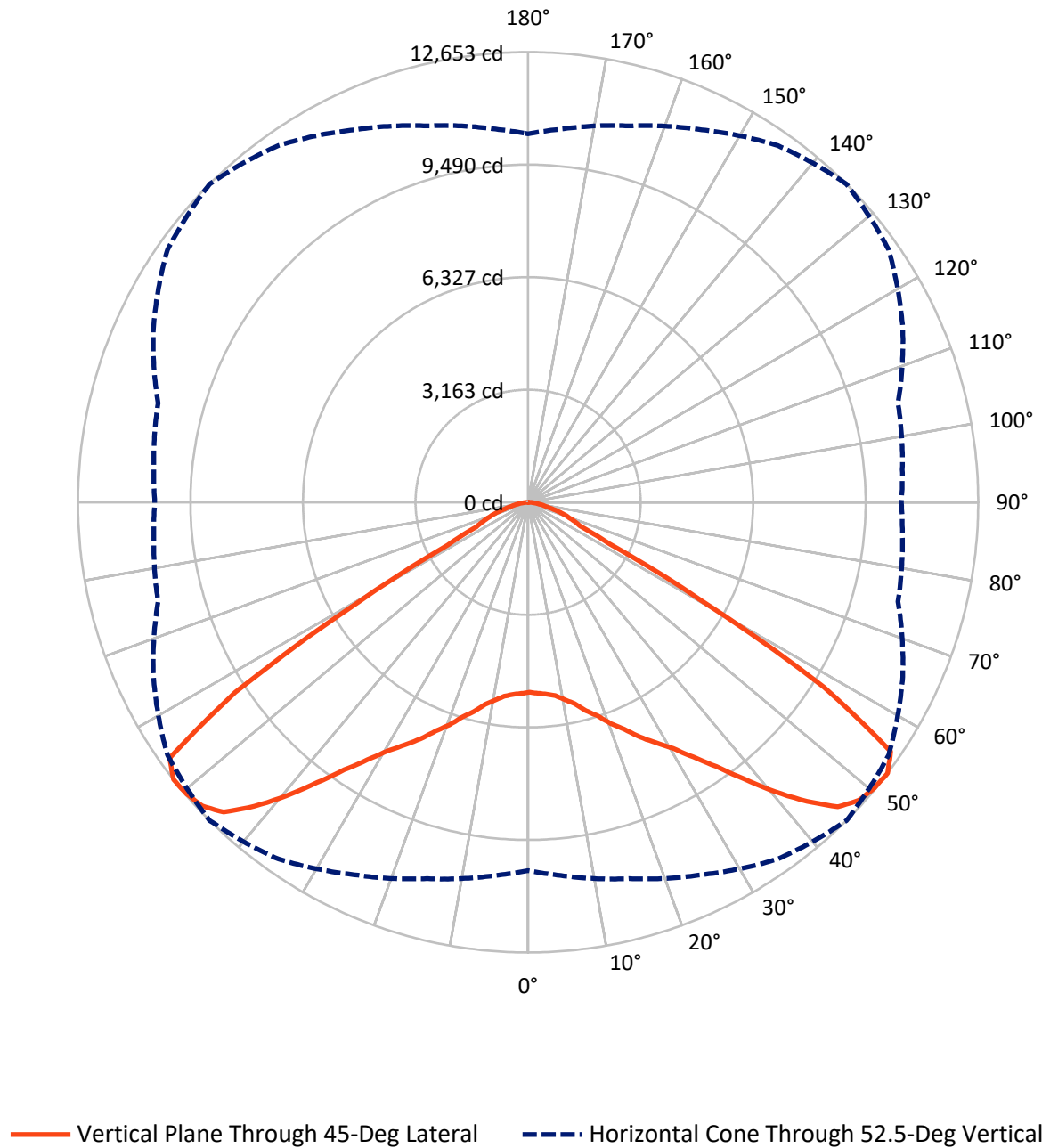
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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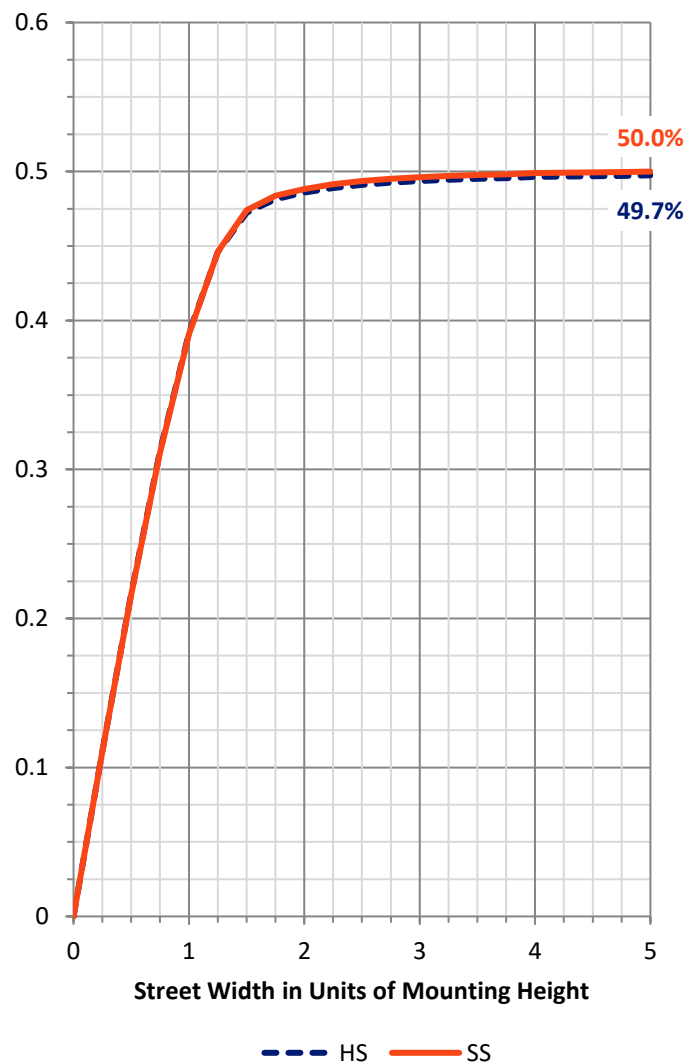
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15971.0	0.0	15971.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15971.0	0.0	15971.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31942.0	0.0	31942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.6	1.6
10°-20°	1723.8	5.4
20°-30°	3281.8	10.3
30°-40°	5635.1	17.6
40°-50°	8661.3	27.1
50°-60°	8795.4	27.5
60°-70°	2451.2	7.7
70°-80°	723.1	2.3
80°-90°	145.6	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°	31942.0	100.0
0°-180°	31942.0	100.0

Coefficient of Utilization



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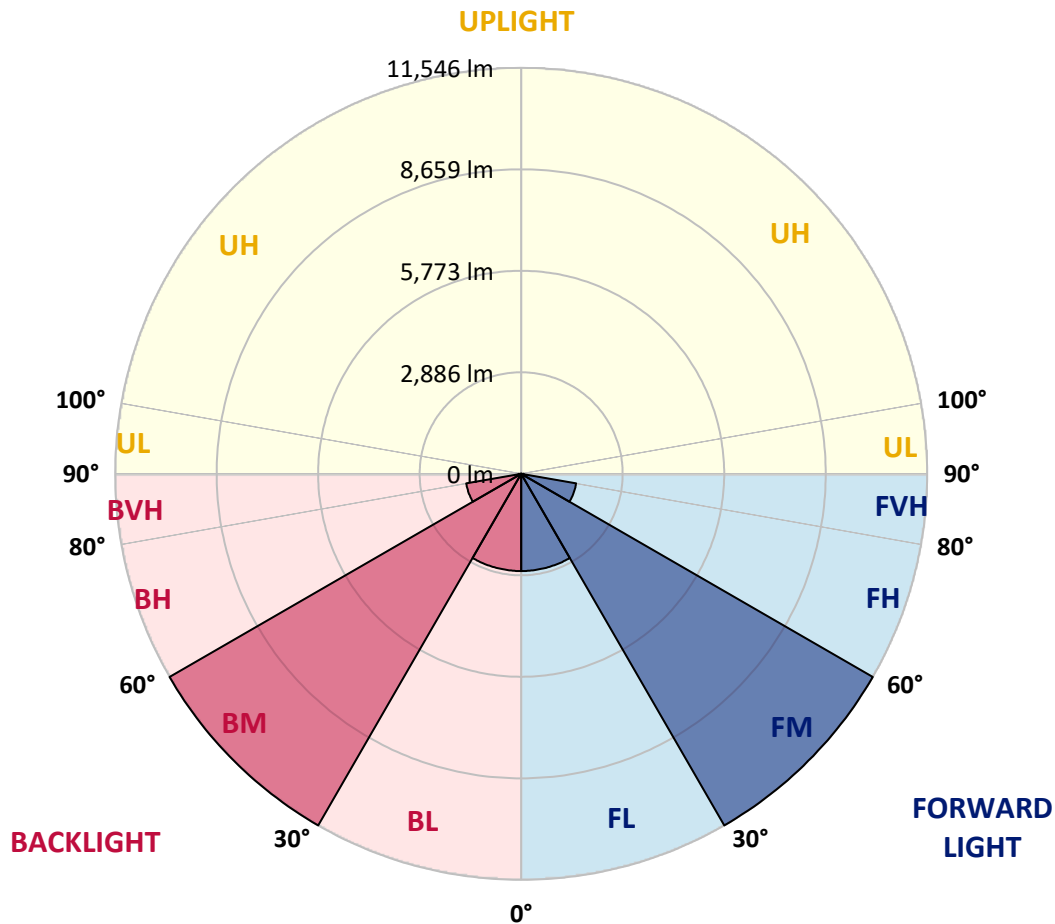
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2765.1	8.7			
FM	(30°-60°)	11546.0	36.1			
FH	(60°-80°)	1587.1	5.0			G1/1800
FVH	(80°-90°)	72.8	0.2			G1/100
BL	(0°-30°)	2765.1	8.7	B4/5000		
BM	(30°-60°)	11546.0	36.1	B5		
BH	(60°-80°)	1587.1	5.0	B3/2500		G1/1800
BVH	(80°-90°)	72.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5339.5	5339.5	5339.5	5339.5	5339.5	5339.5	5339.5	5339.5	5339.5	5339.5	5339.5
2.5°	5351.4	5295.9	5315.7	5327.6	5379.2	5375.2	5363.3	5379.2	5395.0	5399.0	5391.1
5°	5347.5	5307.8	5323.7	5335.6	5387.1	5414.8	5406.9	5474.3	5521.9	5510.0	5569.4
7.5°	5315.7	5339.5	5319.7	5379.2	5422.8	5490.2	5561.5	5624.9	5684.4	5751.8	5763.7
10°	5387.1	5387.1	5422.8	5470.3	5585.3	5636.8	5739.9	5831.1	5946.0	6025.3	5993.6
12.5°	5462.4	5474.3	5474.3	5597.2	5692.3	5807.3	5902.4	6025.3	6187.8	6283.0	6330.5
15°	5537.7	5545.7	5585.3	5751.8	5894.5	6076.8	6164.0	6275.0	6366.2	6544.6	6548.6
17.5°	5605.1	5648.7	5767.6	5953.9	6132.3	6306.7	6445.5	6560.4	6639.7	6711.1	6695.2
20°	5858.8	5890.5	6013.4	6199.7	6465.3	6635.8	6683.3	6703.1	6754.7	6897.4	6853.8
22.5°	6104.6	6116.5	6231.4	6516.8	6703.1	6929.1	6980.6	6968.7	6988.6	7024.2	7087.7
25°	6358.3	6378.1	6536.7	6778.5	7040.1	7309.6	7353.2	7262.1	7234.3	7274.0	7277.9
27.5°	6683.3	6687.3	6889.5	7099.5	7396.8	7650.5	7717.9	7646.6	7515.8	7547.5	7599.0
30°	7095.6	7067.8	7270.0	7571.3	7884.4	8027.1	8142.1	8106.4	7963.7	7936.0	7892.4
32.5°	7571.3	7579.2	7761.5	8090.6	8296.7	8534.5	8657.4	8597.9	8506.8	8459.2	8487.0
35°	8241.2	8276.9	8399.7	8673.3	9006.2	9125.2	9319.4	9192.5	8954.7	9014.2	9065.7
37.5°	8792.2	8895.2	9125.2	9450.2	9648.4	9866.4	9937.8	9767.3	9592.9	9521.6	9692.0
40°	9636.5	9604.8	9858.5	10183.6	10476.9	10694.9	10603.7	10433.3	10001.2	10005.2	10052.7
42.5°	10361.9	10377.8	10572.0	10960.5	11360.9	11495.6	11206.3	10790.0	10310.4	10258.9	10361.9
45°	10972.4	11035.8	11146.8	11666.1	12058.5	12205.2	11670.1	11178.5	10536.3	10322.3	10492.7
47.5°	11190.4	11293.5	11535.3	12011.0	12399.4	12518.4	12090.2	11384.6	10746.4	10397.6	10488.8
50°	11222.1	11186.4	11582.8	12018.9	12359.8	12617.5	12240.9	11535.3	10694.9	10512.6	10484.8
52.5°	10354.0	10528.4	10952.6	11551.1	12240.9	12653.1	12375.7	11618.5	10766.3	10560.1	10492.7
55°	8379.9	8173.8	8946.8	9953.6	11222.1	12367.7	12328.1	11662.1	10809.9	10639.4	10548.2
57.5°	4677.5	4737.0	5173.0	6267.1	7904.2	9807.0	10960.5	11202.3	10790.0	10690.9	10738.5
60°	2164.4	2184.2	2370.5	2881.8	3896.6	5561.5	7079.7	8621.7	9331.3	9474.0	9474.0
62.5°	1613.4	1605.4	1653.0	1744.2	1958.2	2556.8	3413.0	4637.9	5613.0	6294.9	6473.2
65°	1458.8	1454.8	1478.6	1510.3	1526.1	1609.4	1799.7	2176.2	2493.4	2675.7	2644.0
67.5°	1276.4	1272.4	1280.4	1300.2	1327.9	1371.5	1419.1	1498.4	1609.4	1601.5	1581.6
70°	1030.6	1030.6	1042.5	1058.4	1090.1	1141.6	1197.1	1252.6	1347.8	1367.6	1363.6
72.5°	761.1	749.2	773.0	804.7	836.4	899.8	959.3	1010.8	1078.2	1098.0	1090.1
75°	483.6	491.5	507.4	543.1	598.6	642.2	705.6	749.2	792.8	808.7	812.6
77.5°	269.6	277.5	305.2	348.8	404.3	451.9	507.4	543.1	570.8	574.8	578.7
80°	162.5	166.5	194.2	233.9	281.4	333.0	376.6	412.3	436.0	424.1	420.2
82.5°	99.1	103.1	126.8	162.5	202.2	241.8	289.4	321.1	344.9	329.0	313.2
85°	51.5	55.5	75.3	99.1	130.8	150.6	150.6	134.8	130.8	122.9	118.9
87.5°	15.9	15.9	19.8	23.8	19.8	23.8	27.7	31.7	31.7	35.7	31.7
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)