

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: P534418

Luminaire Tested: **GALN-SA9D-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534418
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-SA9D-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 48831 lumens
Efficiency: N/A
Efficacy: 88.5 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): 552
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



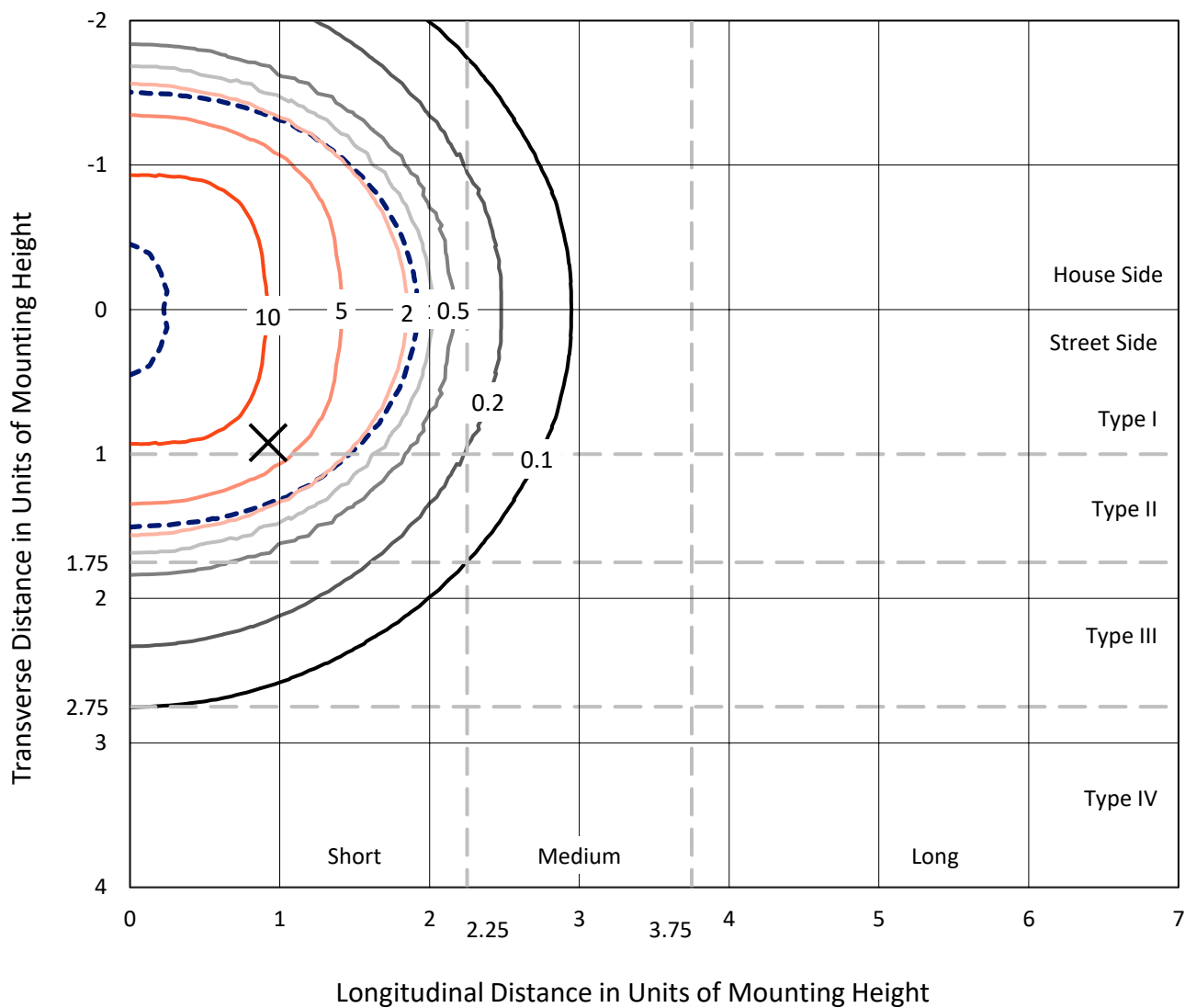
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

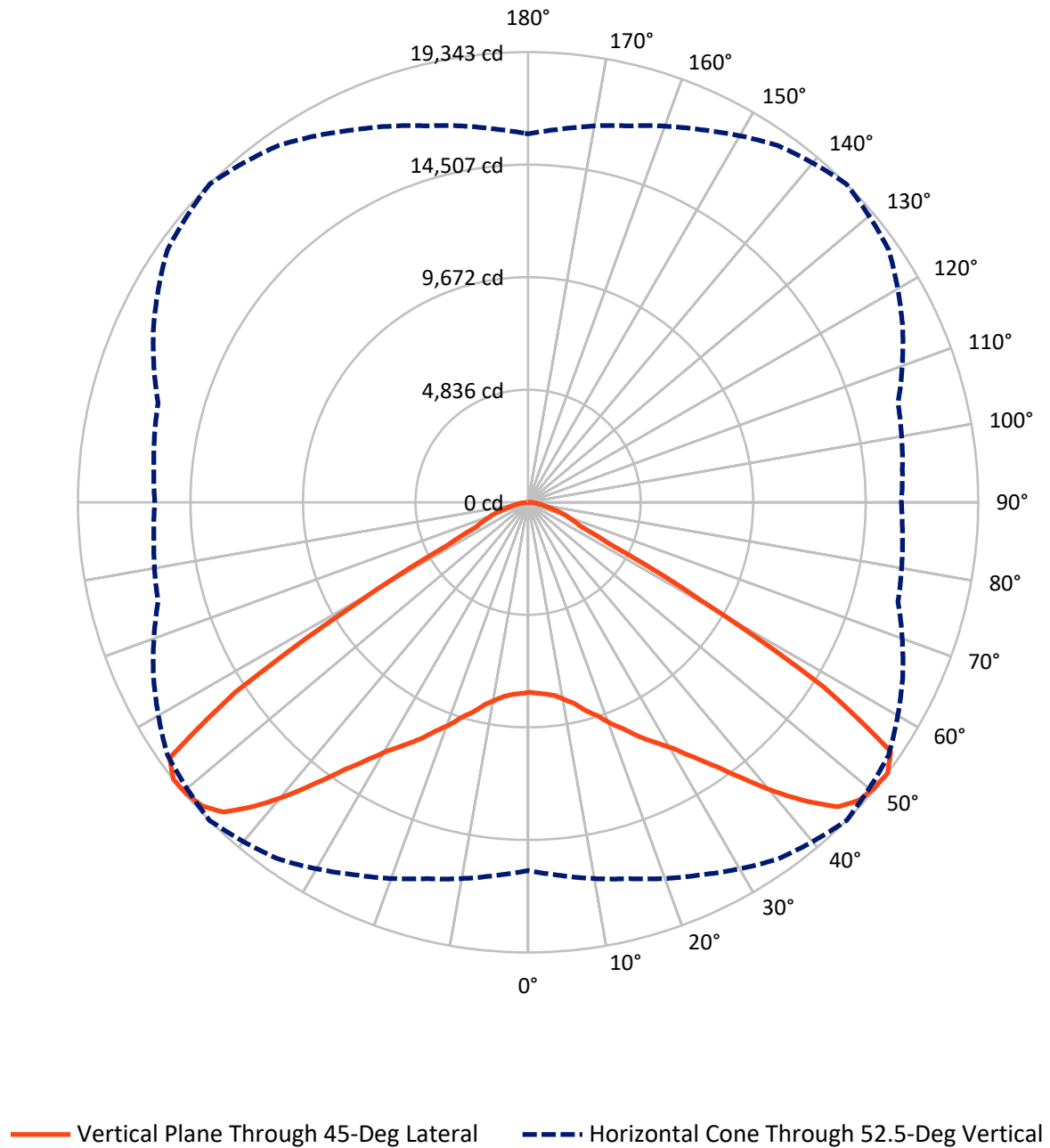


Based on 25 foot mounting height. Maximum calculated value = 14.4 fc

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	24415.5	0.0	24415.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24415.5	0.0	24415.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48831.0	0.0	48831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.0	1.6
10°-20°	2635.2	5.4
20°-30°	5017.1	10.3
30°-40°	8614.6	17.6
40°-50°	13240.9	27.1
50°-60°	13445.9	27.5
60°-70°	3747.2	7.7
70°-80°	1105.4	2.3
80°-90°	222.7	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°	48831.0	100.0
0°-180°	48831.0	100.0

Coefficient of Utilization



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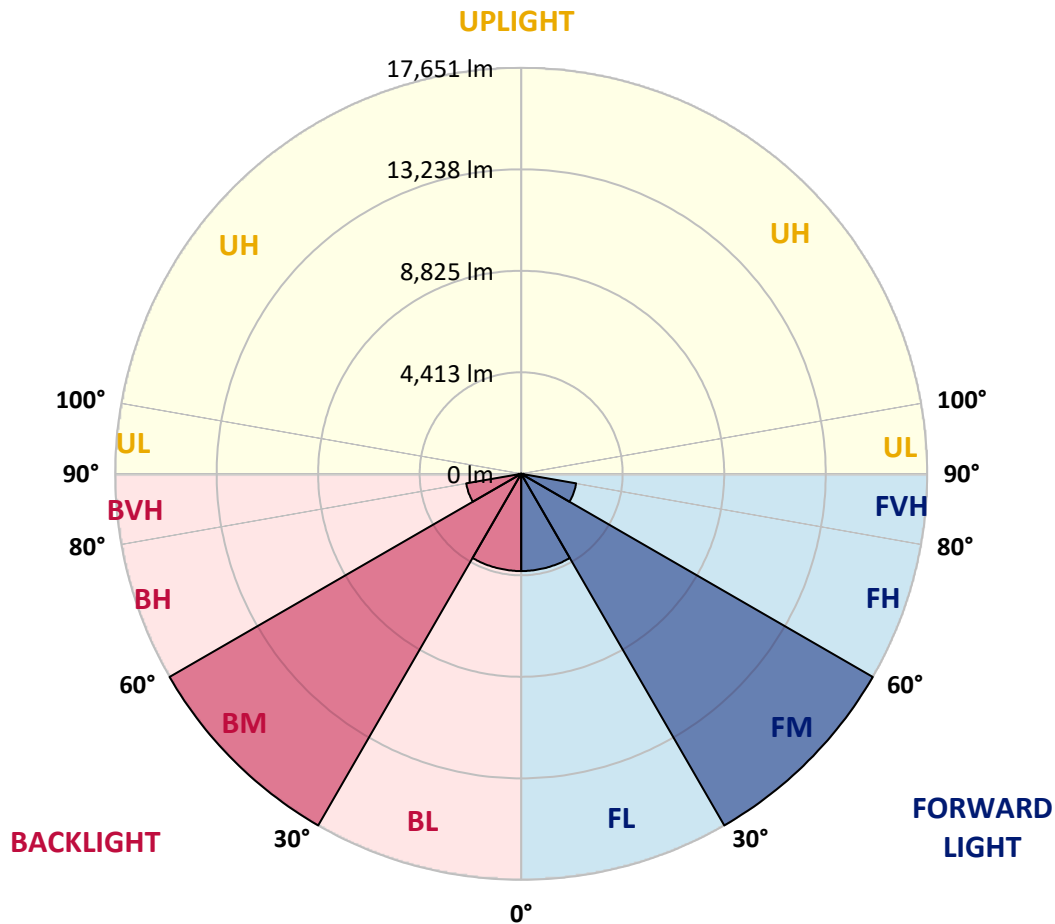
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4227.1	8.7			
FM	(30°-60°)	17650.8	36.1			
FH	(60°-80°)	2426.3	5.0			G2/5000
FVH	(80°-90°)	111.3	0.2			G2/225
BL	(0°-30°)	4227.1	8.7	B4/5000		
BM	(30°-60°)	17650.8	36.1	B5		
BH	(60°-80°)	2426.3	5.0	B3/2500		G2/5000
BVH	(80°-90°)	111.3	0.2			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°	8162.7	8162.7	8162.7	8162.7	8162.7	8162.7	8162.7	8162.7	8162.7	8162.7	8162.7
2.5°	8180.9	8096.1	8126.4	8144.6	8223.3	8217.3	8199.1	8223.3	8247.6	8253.6	8241.5
5°	8174.9	8114.3	8138.5	8156.7	8235.5	8277.9	8265.8	8368.8	8441.5	8423.3	8514.2
7.5°	8126.4	8162.7	8132.4	8223.3	8290.0	8393.0	8502.1	8599.1	8690.0	8793.0	8811.2
10°	8235.5	8235.5	8290.0	8362.7	8538.5	8617.2	8774.8	8914.2	9089.9	9211.1	9162.6
12.5°	8350.6	8368.8	8368.8	8556.6	8702.1	8877.8	9023.3	9211.1	9459.6	9605.0	9677.7
15°	8465.7	8477.9	8538.5	8793.0	9011.1	9289.9	9423.2	9592.9	9732.3	10005.0	10011.0
17.5°	8568.8	8635.4	8817.2	9102.0	9374.7	9641.4	9853.5	10029.2	10150.4	10259.5	10235.2
20°	8956.6	9005.1	9192.9	9477.8	9883.8	10144.3	10217.1	10247.4	10326.1	10544.3	10477.6
22.5°	9332.3	9350.5	9526.2	9962.5	10247.4	10592.8	10671.6	10653.4	10683.7	10738.2	10835.2
25°	9720.2	9750.5	9992.8	10362.5	10762.5	11174.5	11241.2	11101.8	11059.4	11120.0	11126.1
27.5°	10217.1	10223.1	10532.2	10853.4	11307.9	11695.7	11798.7	11689.6	11489.7	11538.1	11616.9
30°	10847.3	10804.9	11113.9	11574.5	12053.2	12271.4	12447.1	12392.6	12174.4	12132.0	12065.3
32.5°	11574.5	11586.6	11865.4	12368.3	12683.5	13047.1	13234.9	13144.0	13004.6	12931.9	12974.3
35°	12598.6	12653.2	12841.0	13259.2	13768.2	13950.0	14246.9	14053.0	13689.4	13780.3	13859.1
37.5°	13441.0	13598.5	13950.0	14446.9	14749.9	15083.2	15192.3	14931.7	14665.1	14556.0	14816.6
40°	14731.7	14683.2	15071.1	15568.0	16016.4	16349.7	16210.4	15949.8	15289.2	15295.3	15368.0
42.5°	15840.7	15864.9	16161.9	16755.7	17367.8	17573.8	17131.5	16495.2	15761.9	15683.1	15840.7
45°	16773.9	16870.9	17040.6	17834.4	18434.4	18658.6	17840.5	17089.0	16107.3	15780.1	16040.7
47.5°	17107.2	17264.8	17634.4	18361.6	18955.5	19137.3	18482.8	17404.2	16428.5	15895.2	16034.6
50°	17155.7	17101.2	17707.2	18373.8	18894.9	19288.8	18713.1	17634.4	16349.7	16071.0	16028.6
52.5°	15828.6	16095.2	16743.6	17658.7	18713.1	19343.3	18919.1	17761.7	16458.8	16143.7	16040.7
55°	12810.7	12495.6	13677.3	15216.5	17155.7	18907.0	18846.4	17828.4	16525.5	16264.9	16125.5
57.5°	7150.7	7241.6	7908.2	9580.8	12083.5	14992.3	16755.7	17125.4	16495.2	16343.7	16416.4
60°	3308.7	3339.0	3623.8	4405.6	5956.9	8502.1	10823.1	13180.4	14265.1	14483.3	14483.3
62.5°	2466.4	2454.3	2527.0	2666.4	2993.6	3908.7	5217.6	7090.1	8580.9	9623.2	9895.9
65°	2230.1	2224.0	2260.4	2308.8	2333.1	2460.3	2751.2	3326.9	3811.7	4090.5	4042.0
67.5°	1951.3	1945.2	1957.4	1987.7	2030.1	2096.7	2169.5	2290.7	2460.3	2448.2	2417.9
70°	1575.6	1575.6	1593.8	1618.0	1666.5	1745.3	1830.1	1914.9	2060.4	2090.7	2084.6
72.5°	1163.5	1145.3	1181.7	1230.2	1278.6	1375.6	1466.5	1545.3	1648.3	1678.6	1666.5
75°	739.3	751.4	775.7	830.2	915.1	981.7	1078.7	1145.3	1212.0	1236.2	1242.3
77.5°	412.1	424.2	466.6	533.3	618.1	690.8	775.7	830.2	872.6	878.7	884.8
80°	248.5	254.5	296.9	357.5	430.3	509.0	575.7	630.2	666.6	648.4	642.4
82.5°	151.5	157.6	193.9	248.5	309.1	369.7	442.4	490.9	527.2	503.0	478.7
85°	78.8	84.8	115.1	151.5	200.0	230.3	230.3	206.0	200.0	187.9	181.8
87.5°	24.2	24.2	30.3	36.4	30.3	36.4	42.4	48.5	48.5	54.5	48.5
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)