

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: P532546

Luminaire Tested: **GALN-SA7D-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532546
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-SA7D-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 37518 lumens
Efficiency: N/A
Efficacy: 86.6 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): 433
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

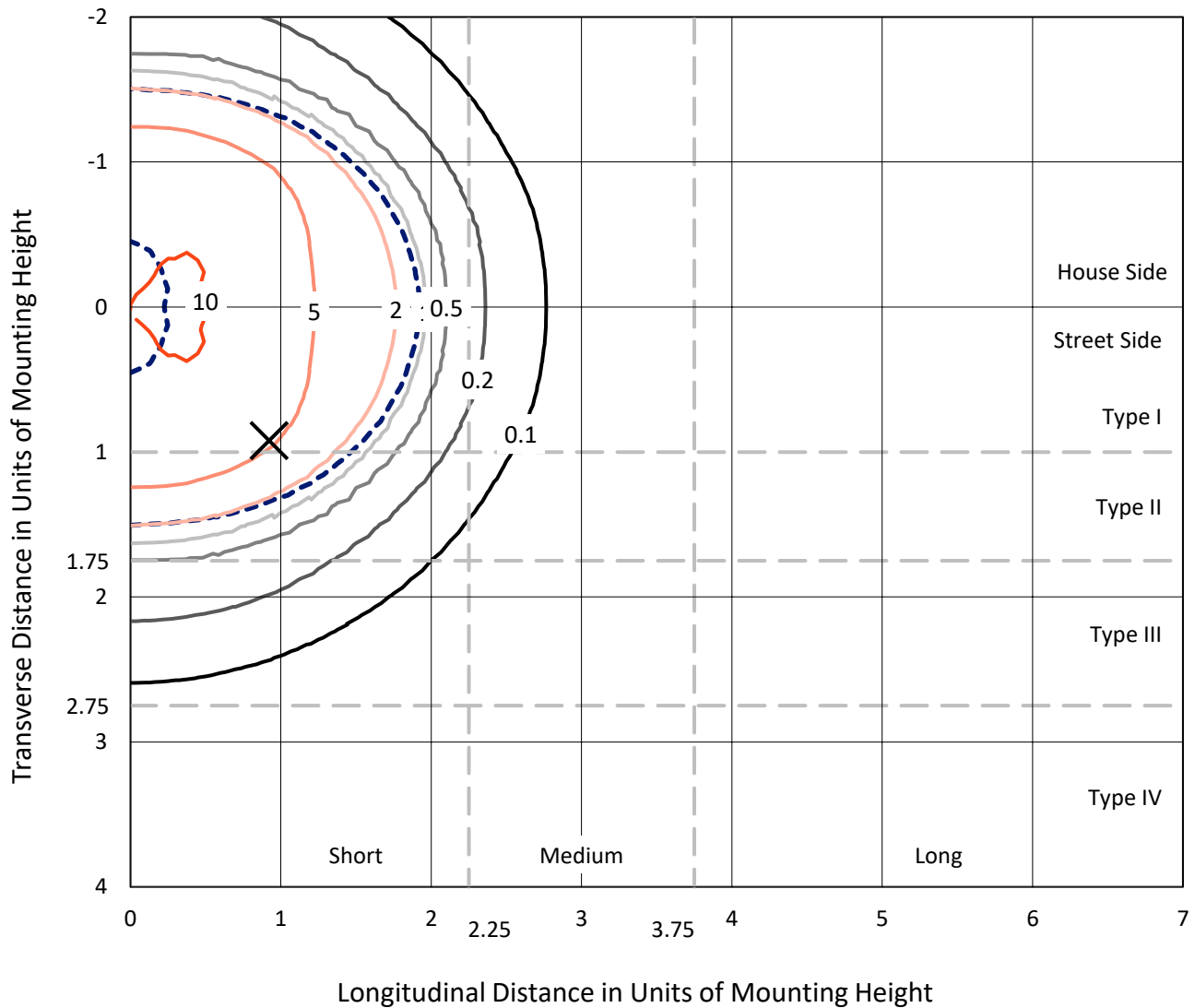


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

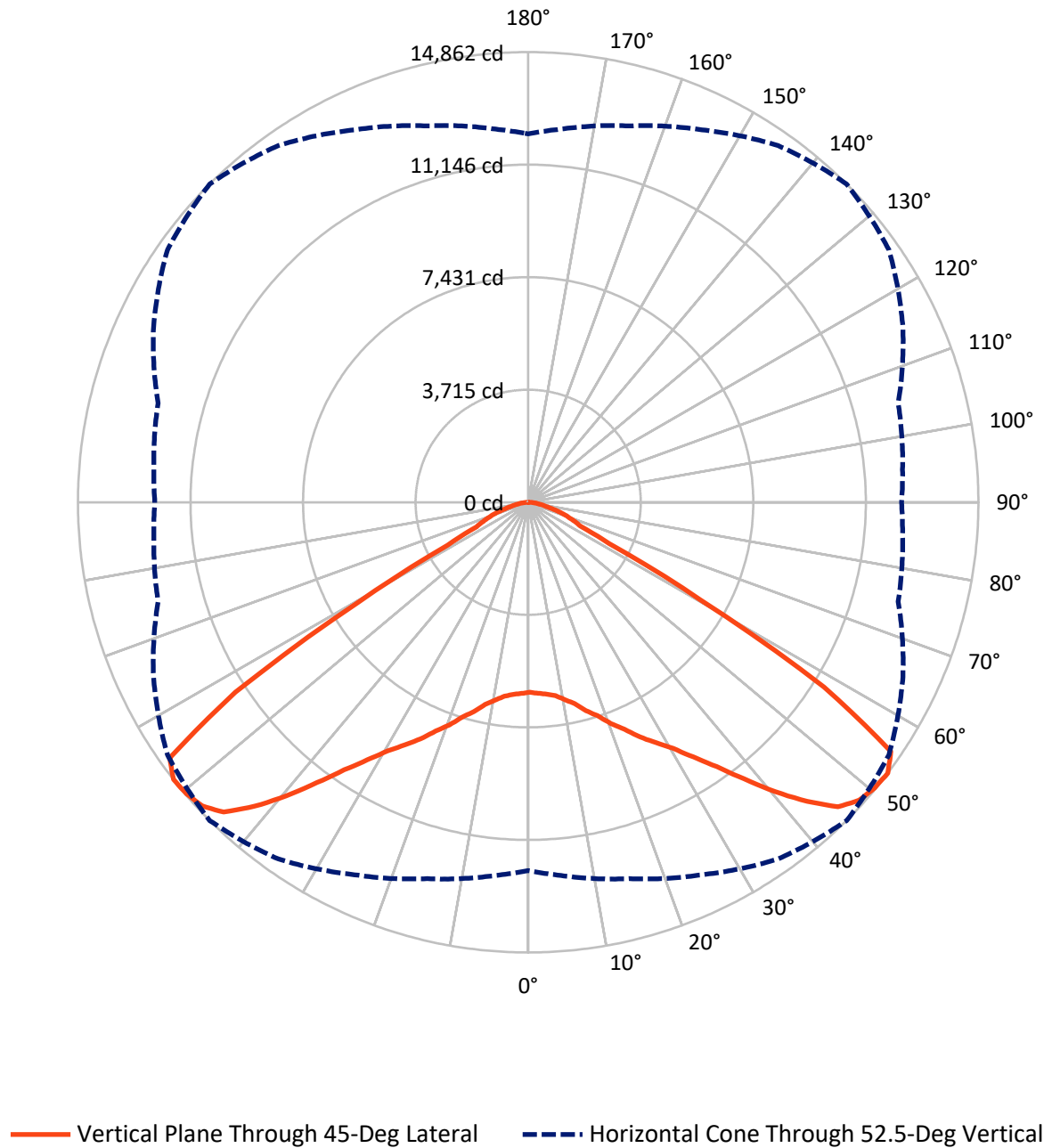


Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18759.0	0.0	18759.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18759.0	0.0	18759.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37518.0	0.0	37518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.2	1.6
10°-20°	2024.7	5.4
20°-30°	3854.7	10.3
30°-40°	6618.8	17.6
40°-50°	10173.3	27.1
50°-60°	10330.8	27.5
60°-70°	2879.1	7.7
70°-80°	849.3	2.3
80°-90°	171.1	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°	37518.0	100.0
0°-180°	37518.0	100.0

Coefficient of Utilization



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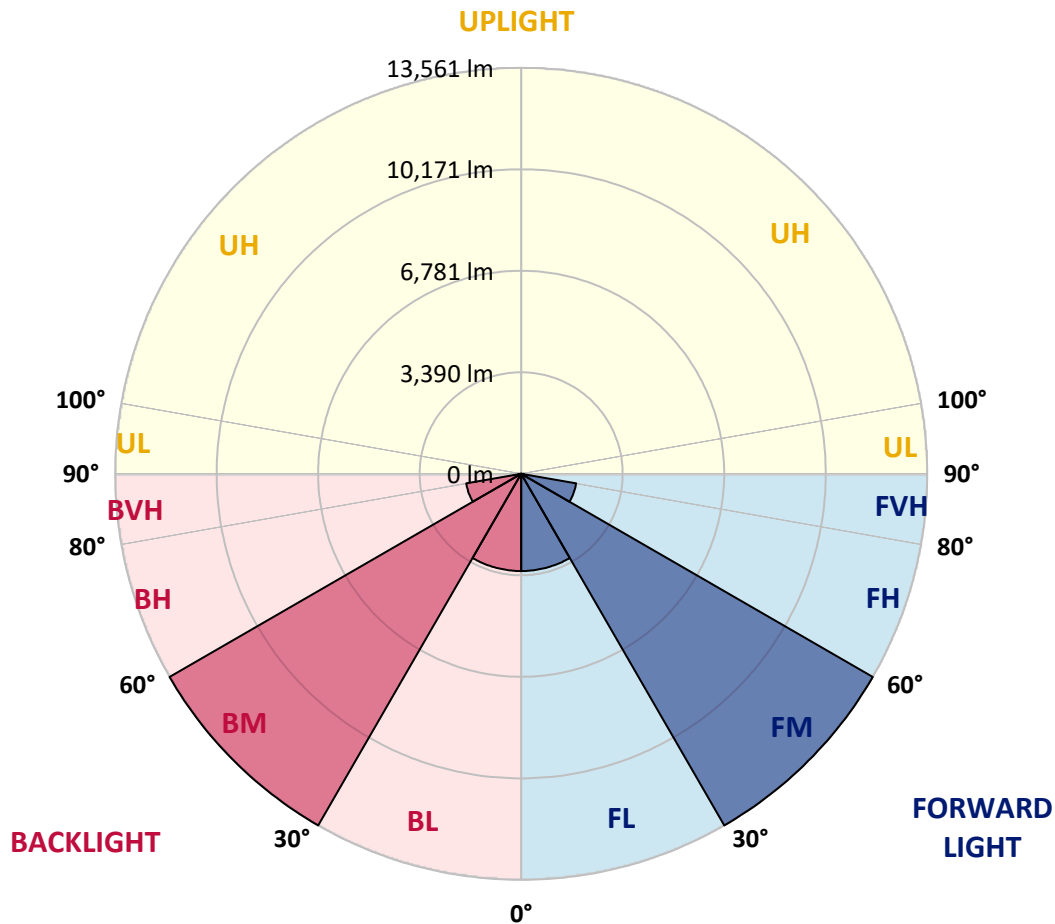
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3247.8	8.7			
FM	(30°-60°)	13561.5	36.1			
FH	(60°-80°)	1864.2	5.0			G2/5000
FVH	(80°-90°)	85.5	0.2			G1/100
BL	(0°-30°)	3247.8	8.7	B4/5000		
BM	(30°-60°)	13561.5	36.1	B5		
BH	(60°-80°)	1864.2	5.0	B3/2500		G2/5000
BVH	(80°-90°)	85.5	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6271.6	6271.6	6271.6	6271.6	6271.6	6271.6	6271.6	6271.6	6271.6	6271.6	6271.6
2.5°	6285.6	6220.4	6243.7	6257.7	6318.2	6313.5	6299.6	6318.2	6336.8	6341.5	6332.2
5°	6280.9	6234.4	6253.0	6267.0	6327.5	6360.1	6350.8	6429.9	6485.8	6471.8	6541.7
7.5°	6243.7	6271.6	6248.3	6318.2	6369.4	6448.6	6532.4	6606.9	6676.7	6755.9	6769.8
10°	6327.5	6327.5	6369.4	6425.3	6560.3	6620.8	6741.9	6849.0	6984.0	7077.1	7039.9
12.5°	6416.0	6429.9	6429.9	6574.3	6686.0	6821.0	6932.8	7077.1	7268.0	7379.8	7435.6
15°	6504.4	6513.7	6560.3	6755.9	6923.5	7137.6	7240.1	7370.4	7477.5	7687.1	7691.7
17.5°	6583.6	6634.8	6774.5	6993.3	7202.8	7407.7	7570.7	7705.7	7798.8	7882.6	7864.0
20°	6881.6	6918.8	7063.1	7282.0	7593.9	7794.1	7850.0	7873.3	7933.8	8101.4	8050.2
22.5°	7170.2	7184.2	7319.2	7654.5	7873.3	8138.7	8199.2	8185.2	8208.5	8250.4	8324.9
25°	7468.2	7491.5	7677.7	7961.8	8269.1	8585.7	8636.9	8529.8	8497.2	8543.8	8548.4
27.5°	7850.0	7854.7	8092.1	8338.9	8688.1	8986.1	9065.2	8981.4	8827.8	8865.0	8925.5
30°	8334.2	8301.6	8539.1	8893.0	9260.8	9428.4	9563.4	9521.5	9353.9	9321.3	9270.1
32.5°	8893.0	8902.3	9116.4	9502.9	9745.0	10024.4	10168.7	10098.9	9991.8	9935.9	9968.5
35°	9679.8	9721.7	9866.1	10187.3	10578.4	10718.1	10946.2	10797.3	10517.9	10587.7	10648.3
37.5°	10327.0	10448.1	10718.1	11099.9	11332.7	11588.8	11672.6	11472.4	11267.5	11183.7	11383.9
40°	11318.7	11281.5	11579.5	11961.3	12305.8	12561.9	12454.8	12254.6	11747.1	11751.7	11807.6
42.5°	12170.8	12189.4	12417.5	12873.8	13344.1	13502.4	13162.5	12673.6	12110.2	12049.7	12170.8
45°	12887.8	12962.3	13092.7	13702.6	14163.5	14335.8	13707.3	13129.9	12375.6	12124.2	12324.4
47.5°	13143.9	13264.9	13549.0	14107.7	14564.0	14703.6	14200.8	13372.0	12622.4	12212.7	12319.8
50°	13181.1	13139.2	13604.8	14117.0	14517.4	14820.0	14377.7	13549.0	12561.9	12347.7	12315.1
52.5°	12161.5	12366.3	12864.5	13567.6	14377.7	14861.9	14536.0	13646.7	12645.7	12403.6	12324.4
55°	9842.8	9600.7	10508.6	11691.2	13181.1	14526.7	14480.2	13697.9	12696.9	12496.7	12389.6
57.5°	5494.1	5563.9	6076.1	7361.1	9284.1	11518.9	12873.8	13157.8	12673.6	12557.2	12613.1
60°	2542.2	2565.5	2784.3	3384.9	4576.8	6532.4	8315.6	10126.8	10960.2	11127.8	11127.8
62.5°	1895.0	1885.7	1941.6	2048.6	2300.1	3003.1	4008.8	5447.5	6592.9	7393.7	7603.2
65°	1713.4	1708.8	1736.7	1773.9	1792.6	1890.3	2113.8	2556.1	2928.6	3142.8	3105.6
67.5°	1499.2	1494.6	1503.9	1527.2	1559.8	1611.0	1666.8	1760.0	1890.3	1881.0	1857.7
70°	1210.6	1210.6	1224.5	1243.2	1280.4	1340.9	1406.1	1471.3	1583.0	1606.3	1601.7
72.5°	894.0	880.0	907.9	945.2	982.4	1056.9	1126.8	1187.3	1266.4	1289.7	1280.4
75°	568.0	577.3	596.0	637.9	703.1	754.3	828.8	880.0	931.2	949.8	954.5
77.5°	316.6	325.9	358.5	409.7	474.9	530.8	596.0	637.9	670.5	675.1	679.8
80°	190.9	195.6	228.1	274.7	330.6	391.1	442.3	484.2	512.2	498.2	493.5
82.5°	116.4	121.1	149.0	190.9	237.5	284.0	339.9	377.1	405.1	386.4	367.8
85°	60.5	65.2	88.5	116.4	153.6	176.9	176.9	158.3	153.6	144.3	139.7
87.5°	18.6	18.6	23.3	27.9	23.3	27.9	32.6	37.2	37.2	41.9	37.2
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)