

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: P526458

Luminaire Tested: **GALN-SA1B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526458
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-SA1B-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3882 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 44
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

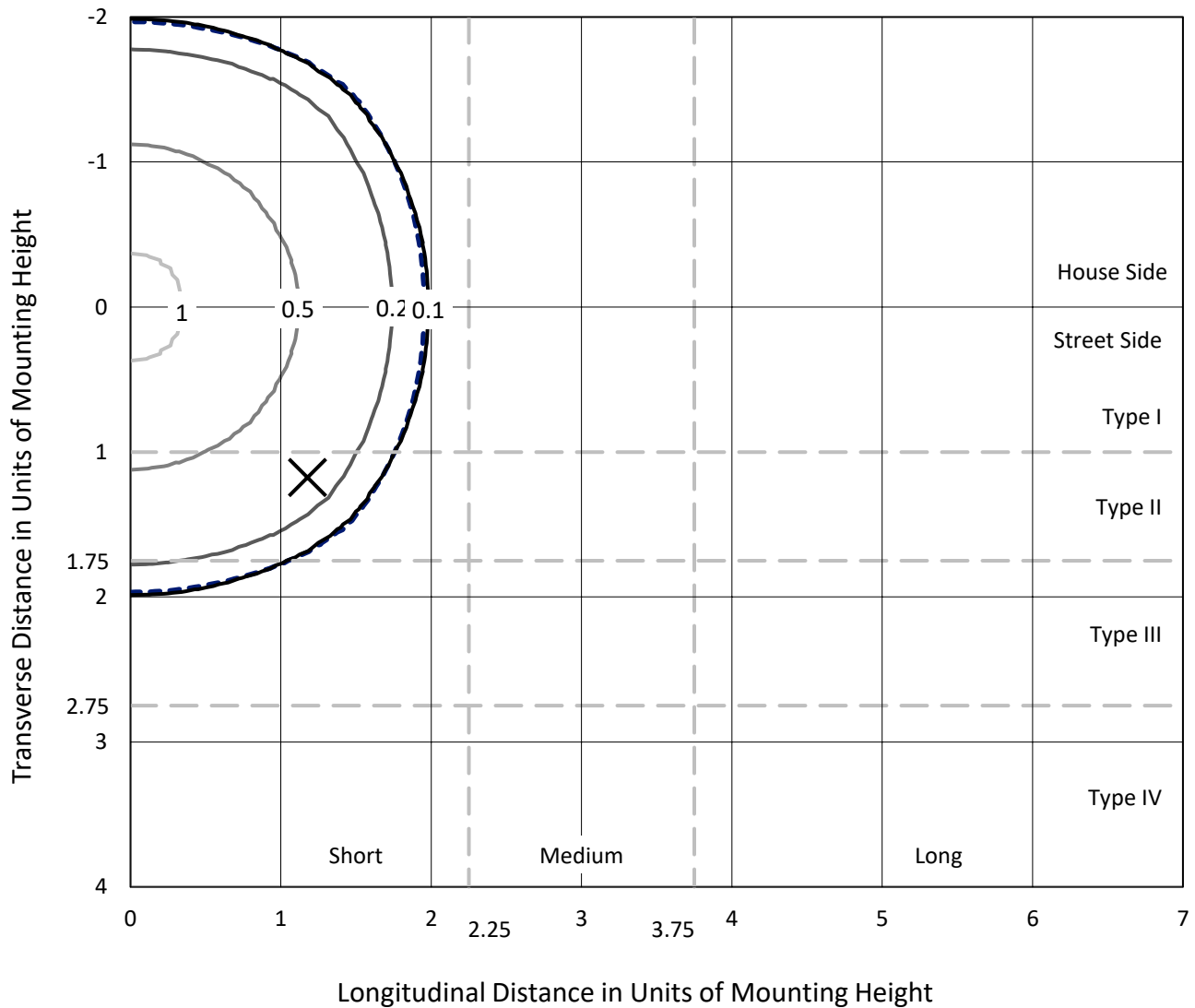


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

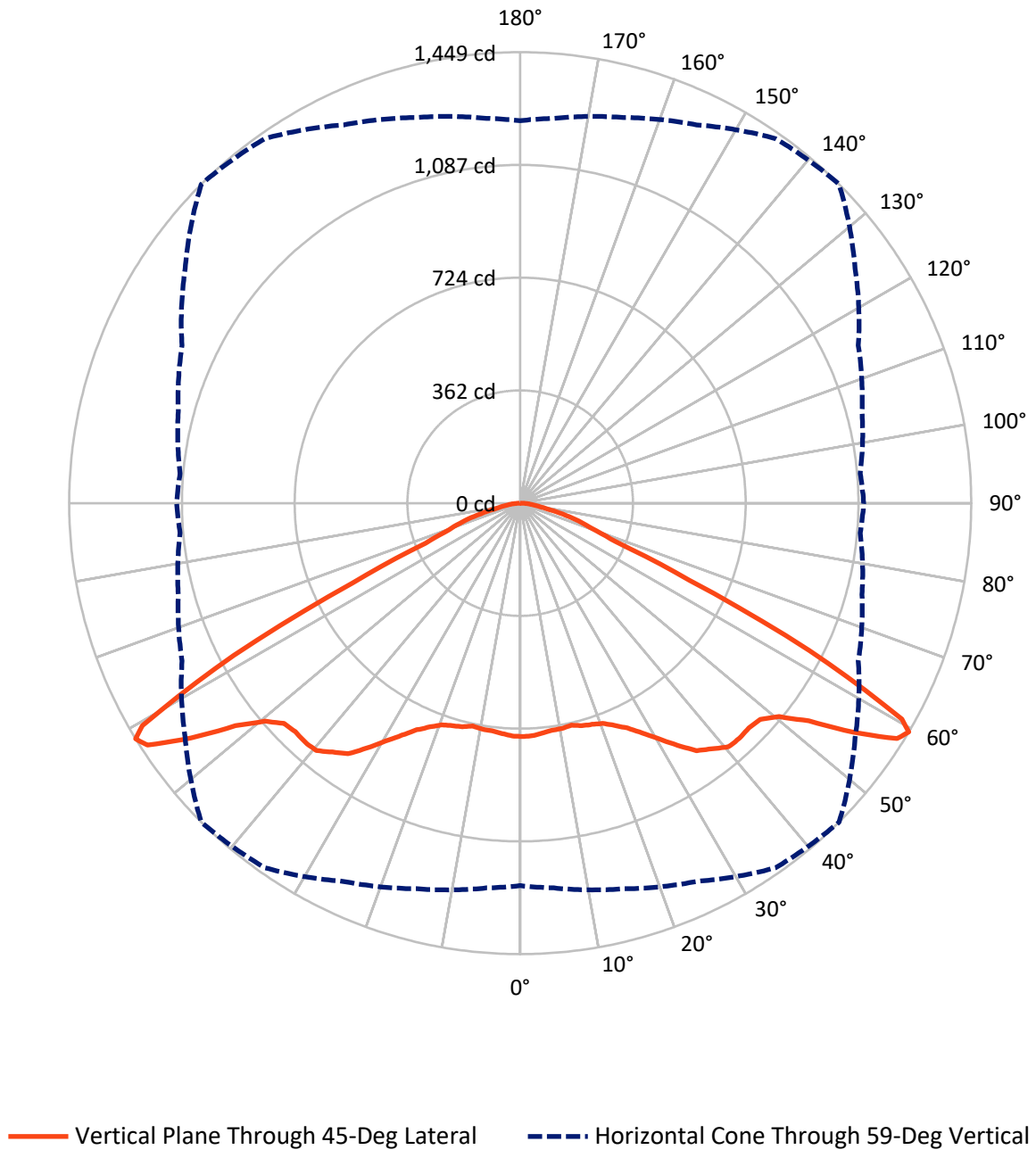


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1941.0	0.0	1941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1941.0	0.0	1941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3882.0	0.0	3882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.8
10°-20°	210.2	5.4
20°-30°	367.0	9.5
30°-40°	586.2	15.1
40°-50°	798.5	20.6
50°-60°	1079.8	27.8
60°-70°	592.2	15.3
70°-80°	151.5	3.9
80°-90°	25.8	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°	3882.0	100.0
0°-180°	3882.0	100.0

Coefficient of Utilization



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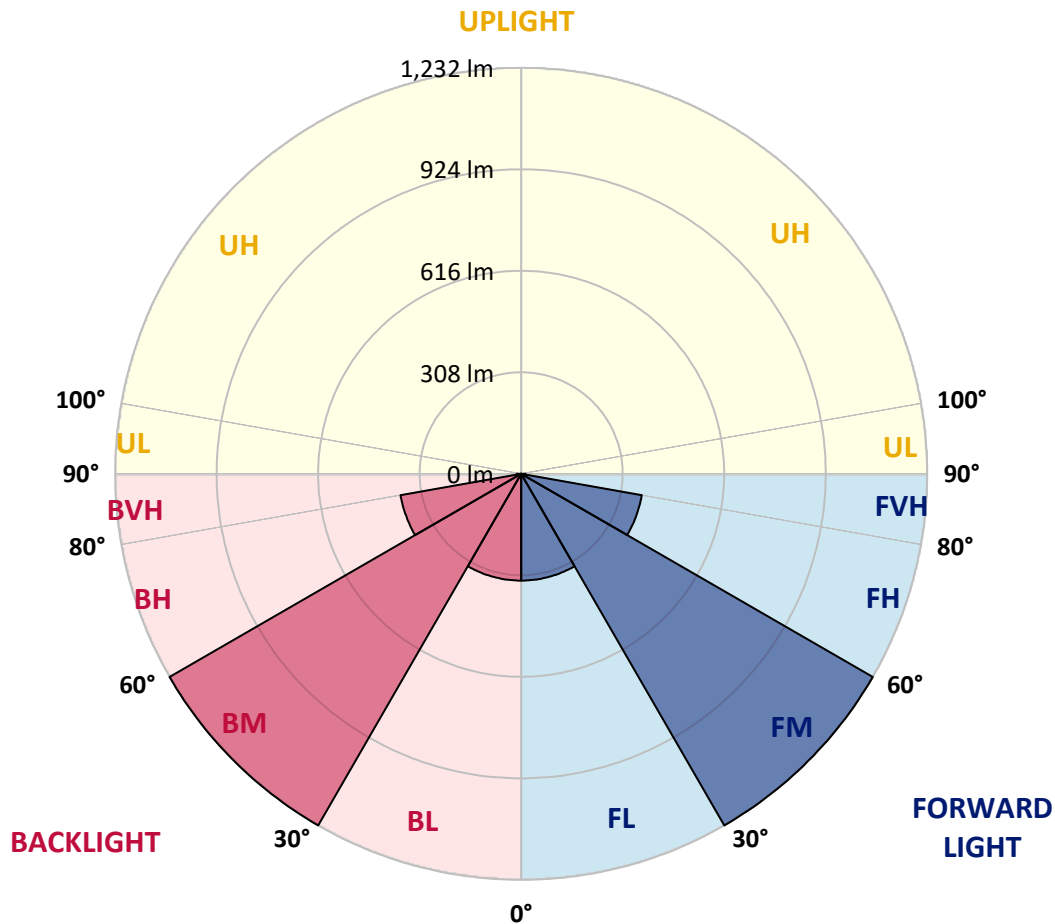
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.0	8.3			
FM	(30°-60°)	1232.3	31.7			
FH	(60°-80°)	371.8	9.6			G0/660
FVH	(80°-90°)	12.9	0.3			G1/100
BL	(0°-30°)	324.0	8.3	B1/500		
BM	(30°-60°)	1232.3	31.7	B2/2500		
BH	(60°-80°)	371.8	9.6	B1/500		G0/660
BVH	(80°-90°)	12.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8
2.5°	745.3	750.8	746.8	750.3	749.8	748.3	745.8	744.3	742.4	745.3	740.4
5°	742.4	746.8	751.3	745.3	745.3	742.4	740.9	737.9	737.9	737.4	736.9
7.5°	747.3	742.9	740.9	741.9	742.9	736.4	740.9	734.9	729.9	733.4	737.4
10°	742.9	744.8	737.4	740.9	735.4	736.4	733.4	737.4	731.9	731.9	731.9
12.5°	747.3	741.9	744.3	741.9	740.4	731.9	735.9	731.4	730.9	735.9	731.4
15°	756.3	747.3	745.3	740.4	741.9	741.9	737.9	738.4	732.9	735.9	736.9
17.5°	753.3	748.3	746.8	740.9	745.8	747.3	739.9	734.9	738.4	737.9	737.4
20°	755.8	757.8	756.3	757.3	759.3	755.3	748.3	741.4	736.9	743.3	742.9
22.5°	771.7	769.7	768.7	767.7	771.2	775.2	765.7	754.8	754.8	759.3	761.3
25°	784.6	784.1	783.7	788.1	800.1	800.1	788.1	774.2	770.7	773.7	771.2
27.5°	803.6	809.0	807.0	815.0	832.4	836.4	820.5	804.1	794.6	791.1	795.6
30°	846.8	840.4	841.9	850.3	865.7	878.7	854.3	836.9	824.0	823.5	825.4
32.5°	875.7	880.7	885.2	893.1	917.5	927.4	898.1	869.7	861.8	857.3	858.8
35°	933.4	928.9	927.9	935.9	960.3	976.7	939.9	915.0	904.6	914.5	914.5
37.5°	988.1	975.7	966.3	976.7	999.1	1001.1	969.7	956.3	950.8	962.3	961.8
40°	1014.0	1013.0	991.1	997.1	1027.0	1029.9	1000.6	984.7	983.7	998.6	1013.5
42.5°	1040.9	1031.4	1009.5	1013.5	1031.9	1032.9	1005.1	1000.6	1011.5	1026.0	1027.0
45°	1045.4	1037.4	1023.5	1013.5	1027.0	1029.9	1013.5	1016.5	1017.5	1034.9	1034.9
47.5°	1054.3	1053.3	1045.4	1037.9	1040.4	1037.9	1027.5	1031.9	1046.9	1055.3	1051.3
50°	1079.2	1068.8	1076.7	1070.2	1070.7	1077.7	1068.3	1072.7	1069.7	1062.3	1057.3
52.5°	1133.9	1129.0	1135.9	1140.4	1145.4	1161.3	1150.3	1126.5	1104.1	1084.2	1083.7
55°	1214.0	1217.5	1231.0	1253.8	1273.2	1298.6	1245.9	1188.7	1152.8	1121.5	1123.5
57.5°	1289.7	1287.2	1305.6	1357.8	1414.6	1427.5	1324.0	1242.4	1184.2	1164.3	1155.8
59°	1229.0	1240.9	1282.7	1340.9	1430.0	1448.9	1313.5	1198.6	1136.9	1096.6	1103.6
60°	1133.4	1137.9	1175.2	1256.3	1376.7	1409.1	1243.4	1130.9	1048.8	1025.5	1035.9
62.5°	801.1	797.6	824.5	890.6	998.6	1042.4	924.5	845.3	793.6	767.7	773.7
65°	425.9	441.8	452.8	494.1	551.3	597.6	548.8	514.5	485.6	464.2	463.7
67.5°	287.6	285.6	288.1	297.5	316.9	329.9	328.9	311.5	309.0	305.0	309.5
70°	242.3	241.3	236.8	236.8	240.8	243.8	247.3	249.3	253.3	258.2	257.7
72.5°	196.5	194.0	191.1	189.6	194.5	196.0	200.5	202.5	206.0	205.5	210.0
75°	129.9	129.9	133.3	137.3	138.8	141.8	142.3	148.3	148.3	149.3	145.3
77.5°	72.6	70.7	73.1	77.1	80.6	86.1	91.6	96.0	98.5	97.5	97.5
80°	42.3	42.3	44.8	49.3	53.7	58.7	62.7	66.2	68.7	67.7	65.7
82.5°	26.4	26.4	28.9	33.3	36.8	39.8	45.3	49.8	52.7	51.7	49.3
85°	13.4	13.4	16.4	19.4	23.9	25.9	25.4	23.4	22.9	20.4	20.4
87.5°	3.5	3.5	5.0	5.5	4.5	5.0	5.0	5.0	5.0	5.0	5.5
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)