

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: P526461

Luminaire Tested: **GALN-SA1B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2956 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

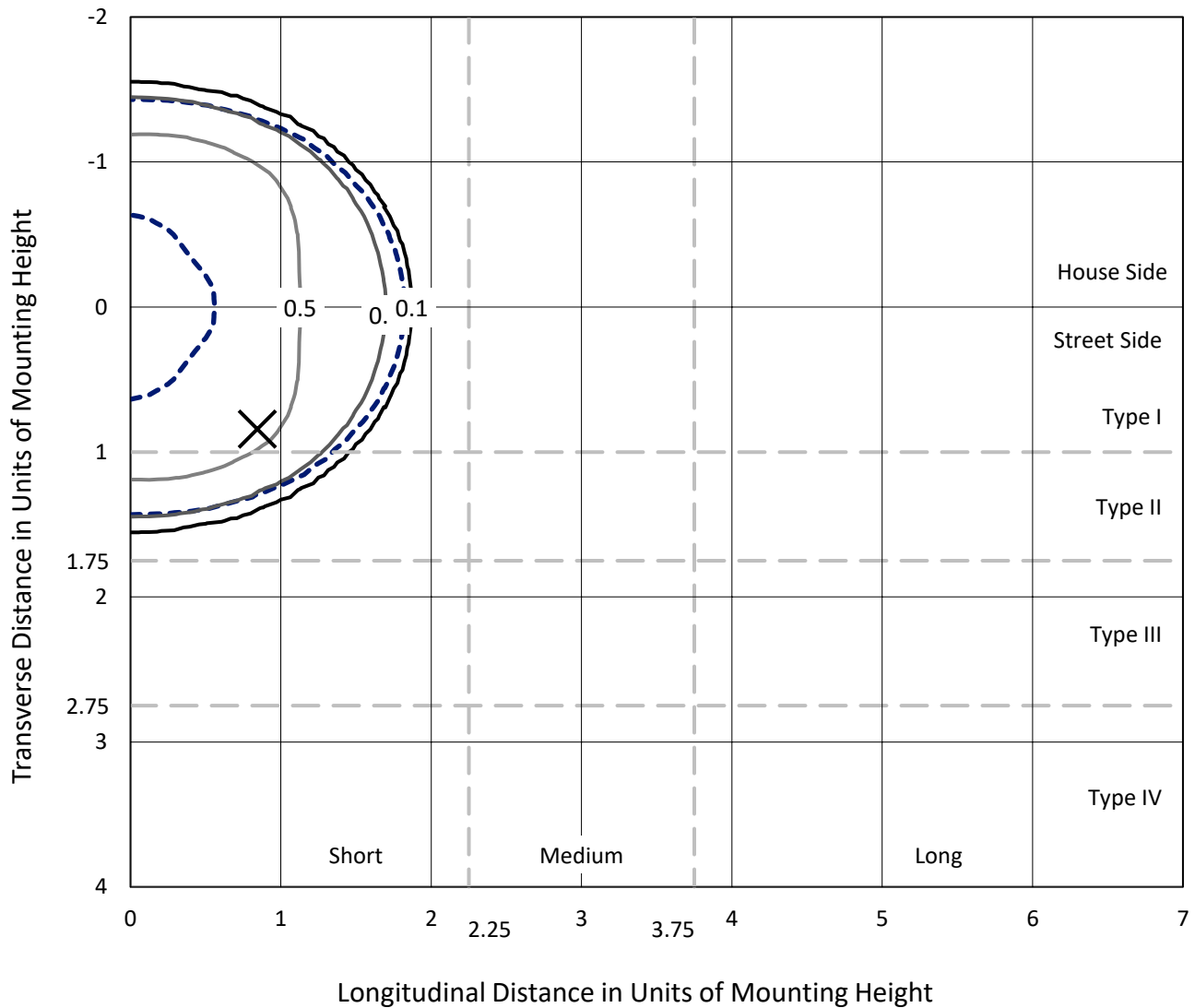


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

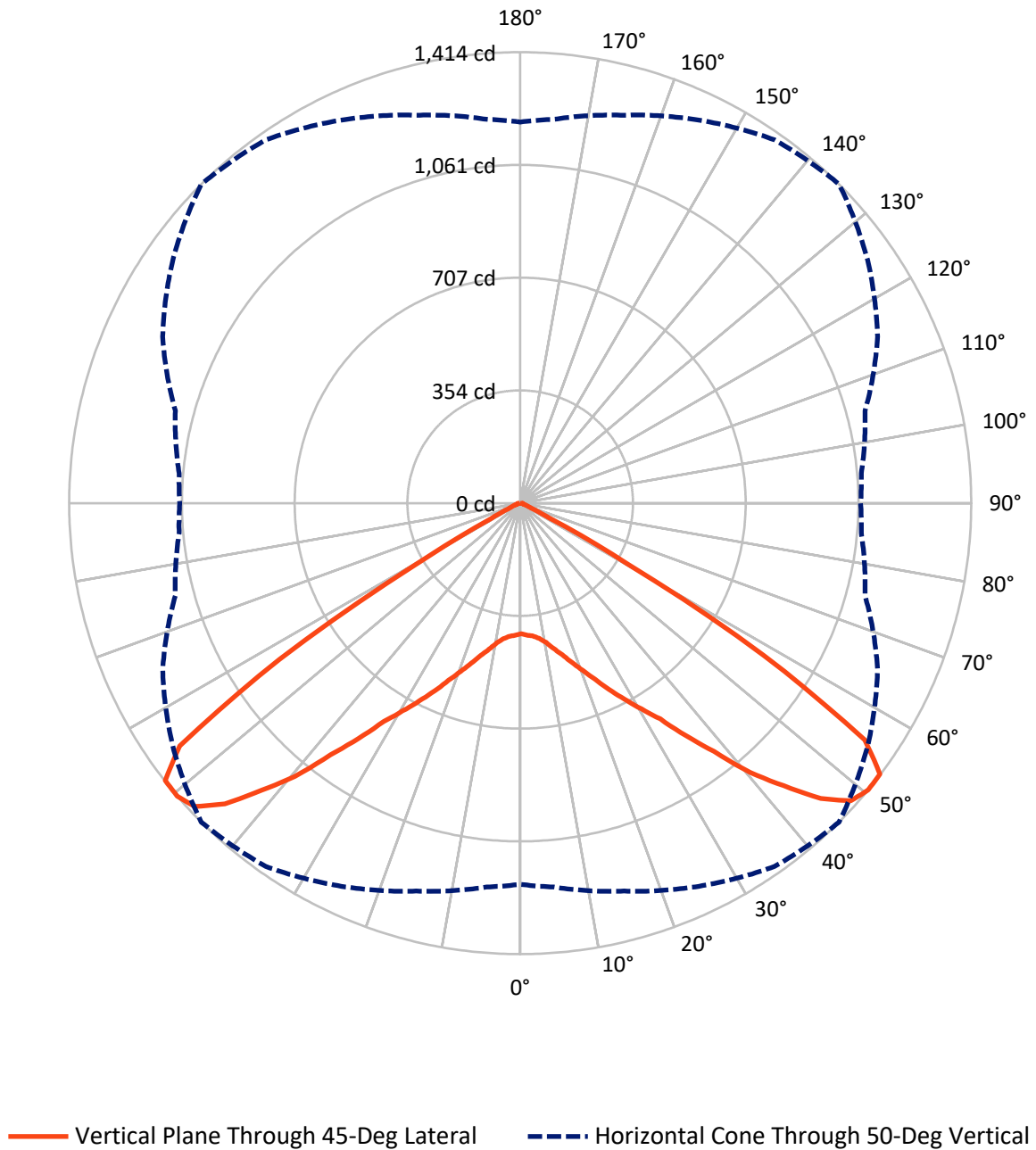


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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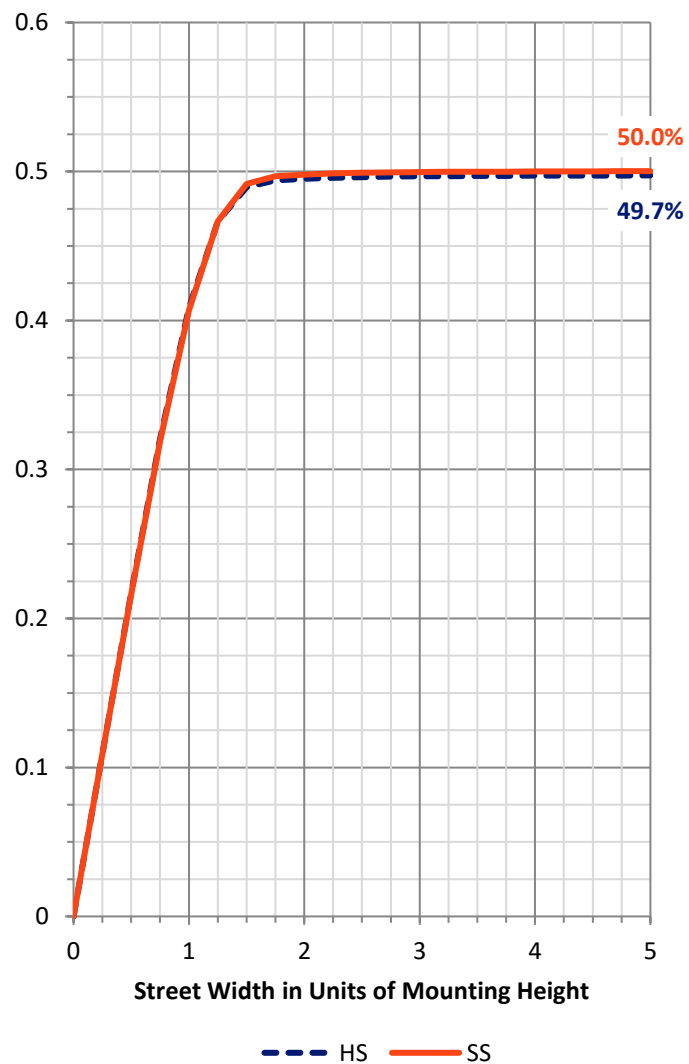
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1478.0	0.0	1478.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1478.0	0.0	1478.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2956.0	0.0	2956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.4
10°-20°	140.5	4.8
20°-30°	287.0	9.7
30°-40°	547.3	18.5
40°-50°	922.3	31.2
50°-60°	879.6	29.8
60°-70°	122.8	4.2
70°-80°	11.7	0.4
80°-90°	4.1	0.1
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°	2956.0	100.0
0°-180°	2956.0	100.0

Coefficient of Utilization



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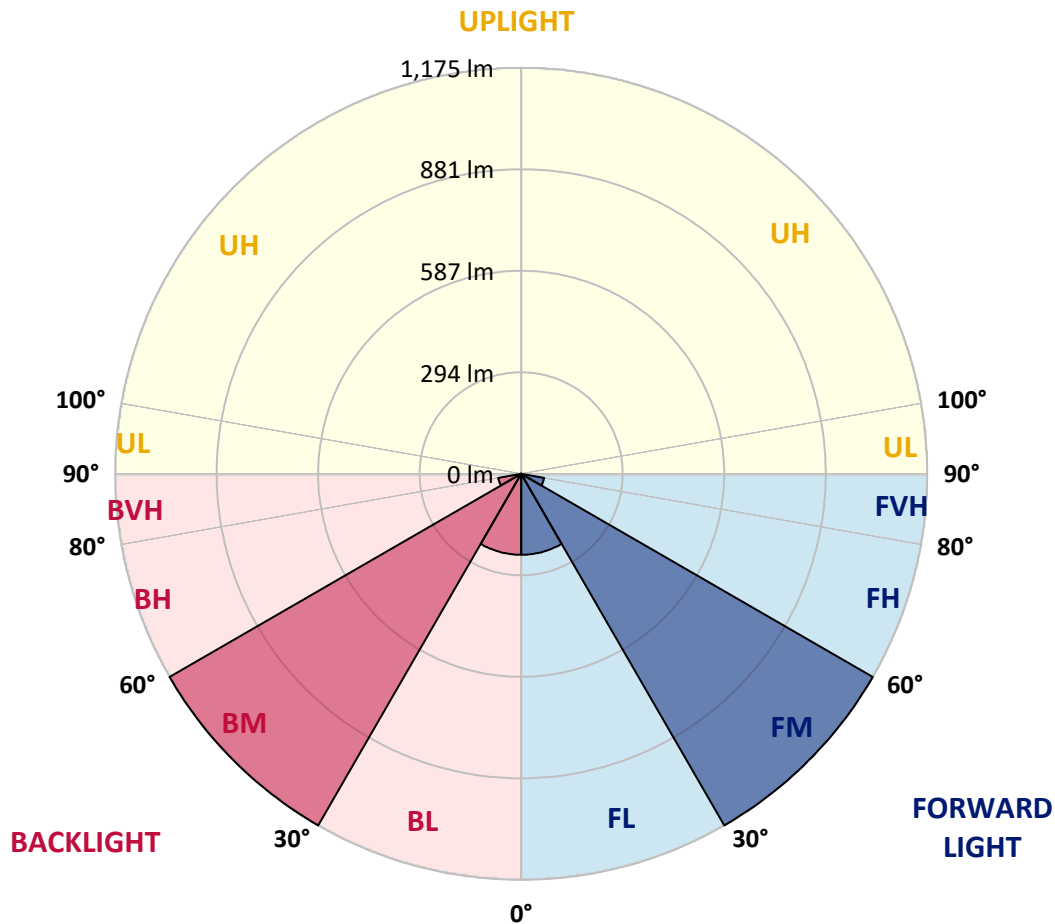
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.1	7.9			
FM	(30°-60°)	1174.6	39.7			
FH	(60°-80°)	67.3	2.3			G0/660
FVH	(80°-90°)	2.0	0.1			G0/10
BL	(0°-30°)	234.1	7.9	B1/500		
BM	(30°-60°)	1174.6	39.7	B2/2500		
BH	(60°-80°)	67.3	2.3	B0/110		G0/660
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8
2.5°	408.3	408.3	407.8	411.8	409.8	414.3	413.8	415.3	416.8	416.3	420.3
5°	404.8	404.3	404.3	408.8	413.3	418.3	422.7	425.7	430.7	430.7	435.7
7.5°	408.3	405.8	409.3	411.3	419.8	428.2	435.7	441.6	453.1	457.1	455.6
10°	409.3	412.3	414.8	420.8	431.2	444.1	450.6	465.5	478.5	487.4	489.4
12.5°	415.8	420.3	427.2	441.6	451.1	468.0	477.0	491.4	509.3	519.2	526.2
15°	428.2	429.7	438.7	457.1	477.5	492.9	506.8	517.2	534.7	546.1	546.6
17.5°	444.1	450.6	463.0	480.4	501.8	524.7	535.6	547.1	553.6	569.0	572.5
20°	476.0	477.0	488.9	511.8	538.6	559.5	567.5	573.4	571.0	586.9	589.9
22.5°	505.8	506.8	521.7	552.6	581.4	599.3	602.8	599.3	591.8	603.3	604.3
25°	536.1	545.1	556.0	586.9	622.7	646.6	647.1	637.6	622.2	624.2	629.1
27.5°	583.4	589.9	601.3	629.6	668.9	695.8	691.3	679.9	660.0	661.5	660.0
30°	638.6	644.6	654.0	690.3	719.2	748.5	755.0	744.0	714.2	707.7	715.2
32.5°	705.2	713.7	731.1	764.4	788.8	806.7	811.2	807.2	779.3	776.9	781.8
35°	786.3	797.8	813.7	843.0	862.9	895.2	895.2	881.8	856.4	859.4	858.9
37.5°	871.9	888.8	913.6	943.5	970.3	987.7	982.3	970.8	945.5	939.0	945.5
40°	979.3	987.7	1019.1	1057.9	1090.7	1110.6	1087.2	1062.3	1001.7	1011.1	1028.5
42.5°	1077.3	1090.7	1114.6	1157.3	1194.6	1211.0	1183.2	1134.0	1060.8	1053.4	1066.3
45°	1160.8	1175.2	1206.6	1267.7	1307.0	1321.5	1259.8	1180.2	1096.7	1077.8	1083.2
47.5°	1216.5	1224.0	1267.7	1325.9	1361.7	1394.6	1306.0	1212.0	1113.6	1077.8	1075.8
50°	1195.1	1208.1	1259.3	1325.4	1390.6	1414.0	1329.4	1236.4	1119.0	1073.3	1067.3
52.5°	1061.3	1083.7	1140.9	1229.9	1328.4	1412.0	1361.7	1228.5	1117.0	1077.8	1086.7
55°	738.6	739.1	808.7	940.0	1114.1	1311.0	1314.5	1237.4	1130.0	1105.6	1106.1
57.5°	296.9	311.8	365.1	496.9	657.5	900.2	1070.3	1147.9	1131.5	1125.5	1140.9
60°	75.1	75.6	92.0	140.3	231.3	385.9	560.5	758.5	873.3	912.6	918.1
62.5°	38.3	38.8	42.8	49.7	63.2	103.4	184.0	291.9	415.3	478.0	494.4
65°	31.3	31.3	33.8	37.3	37.8	39.8	47.7	68.1	99.0	112.4	113.9
67.5°	23.9	23.9	25.9	27.9	28.8	28.3	27.4	28.3	34.3	32.8	31.8
70°	14.9	15.4	16.4	18.4	19.4	19.9	20.4	21.4	24.4	25.4	24.4
72.5°	9.0	9.0	9.4	10.9	12.4	13.4	14.9	15.9	17.4	19.9	19.4
75°	4.0	4.0	5.0	6.5	8.0	9.4	10.9	12.4	13.4	14.9	15.4
77.5°	1.0	1.5	2.5	4.5	6.0	8.0	9.9	11.4	12.4	12.4	11.9
80°	0.5	0.5	2.0	3.5	6.5	8.5	10.9	11.9	13.4	12.4	10.9
82.5°	0.5	0.5	2.0	3.5	6.0	8.5	11.4	12.9	13.9	12.4	10.4
85°	0.0	0.5	1.5	3.0	5.0	6.0	5.0	3.5	2.0	2.0	1.5
87.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)