

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: P526695

Luminaire Tested: **GALN-SA1C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526695
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-SA1C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 3653 lumens
Efficiency: N/A
Efficacy: 64.1 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): 57
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



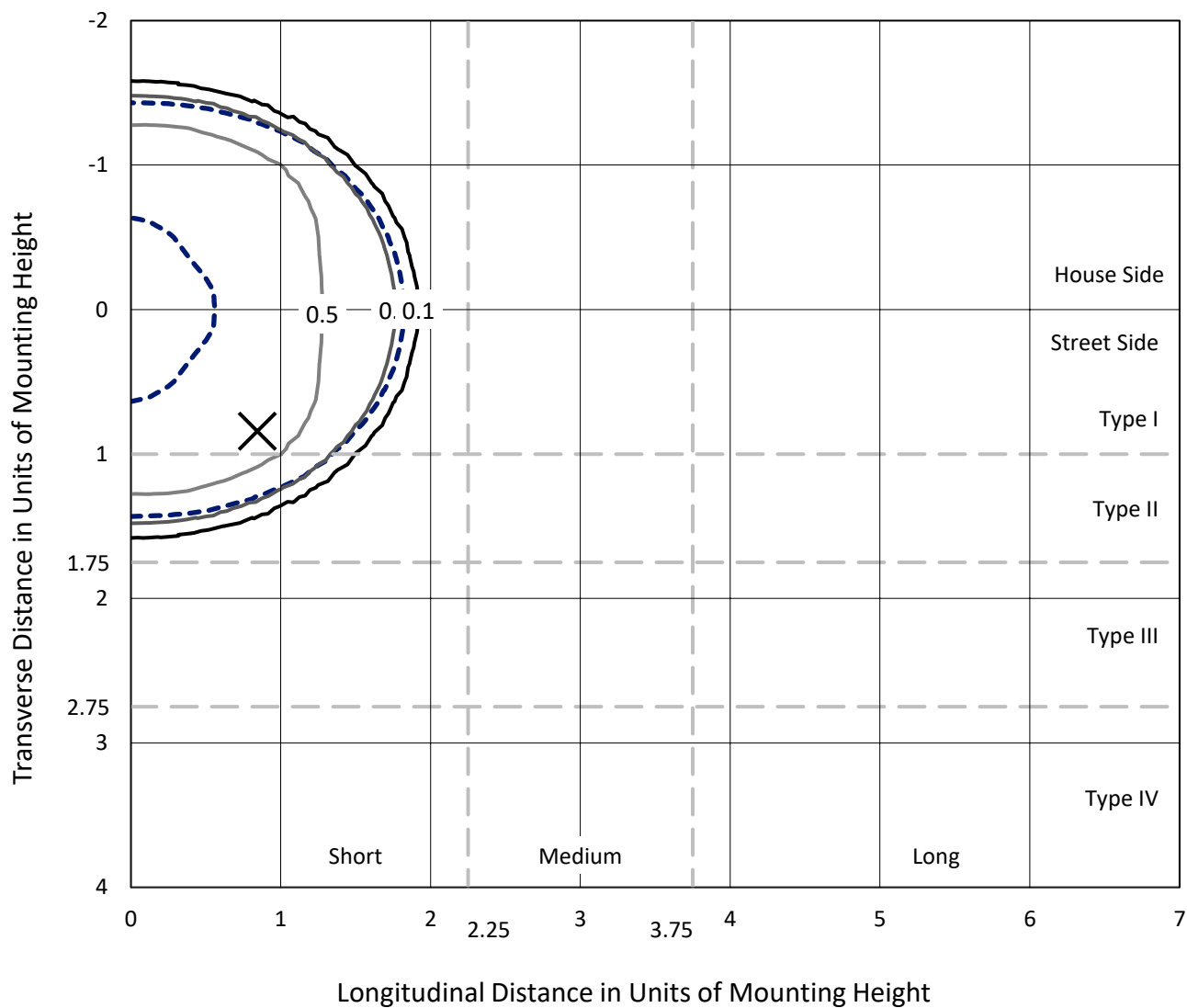
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



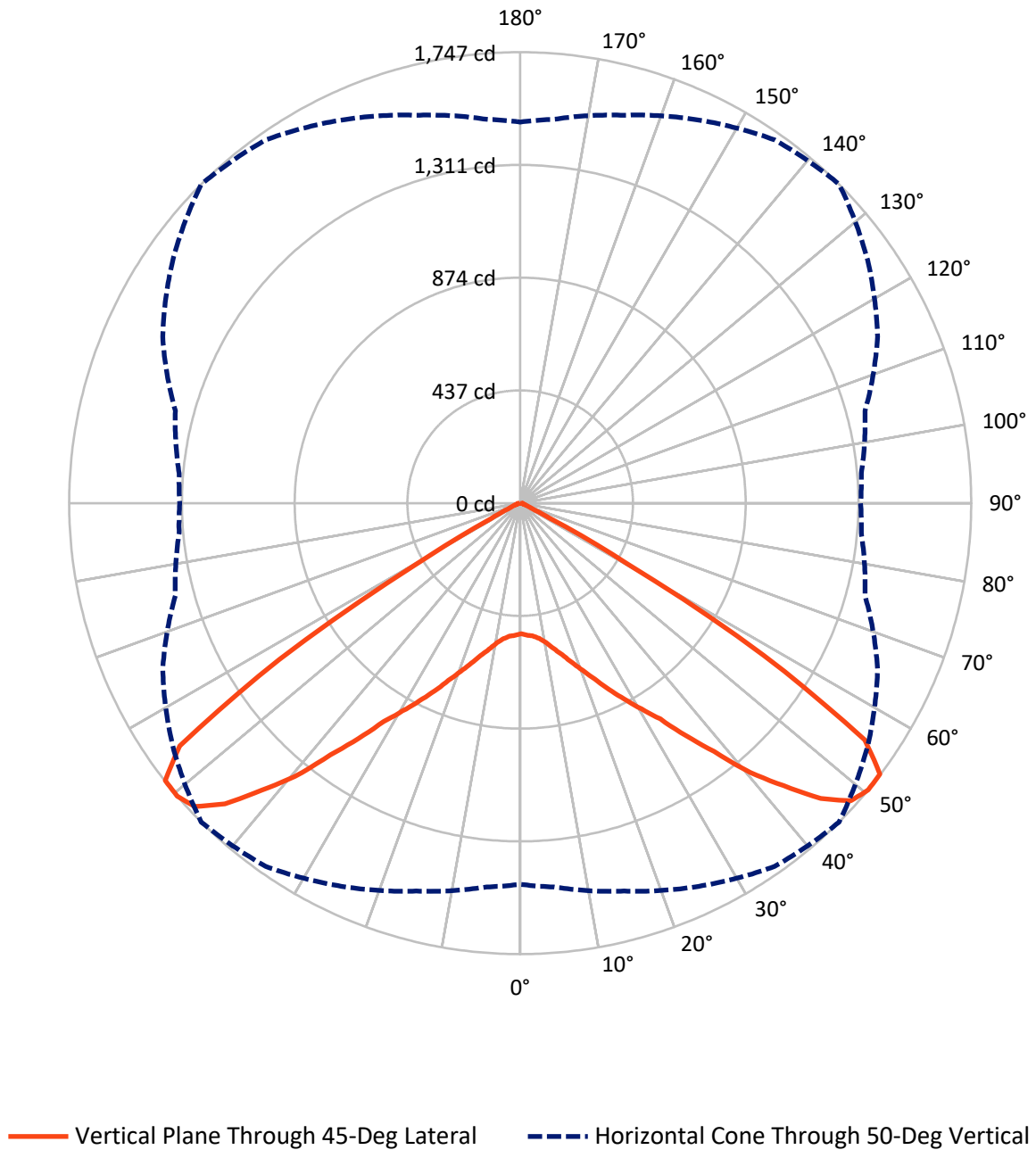
Based on 25 foot mounting height. Maximum calculated value = 1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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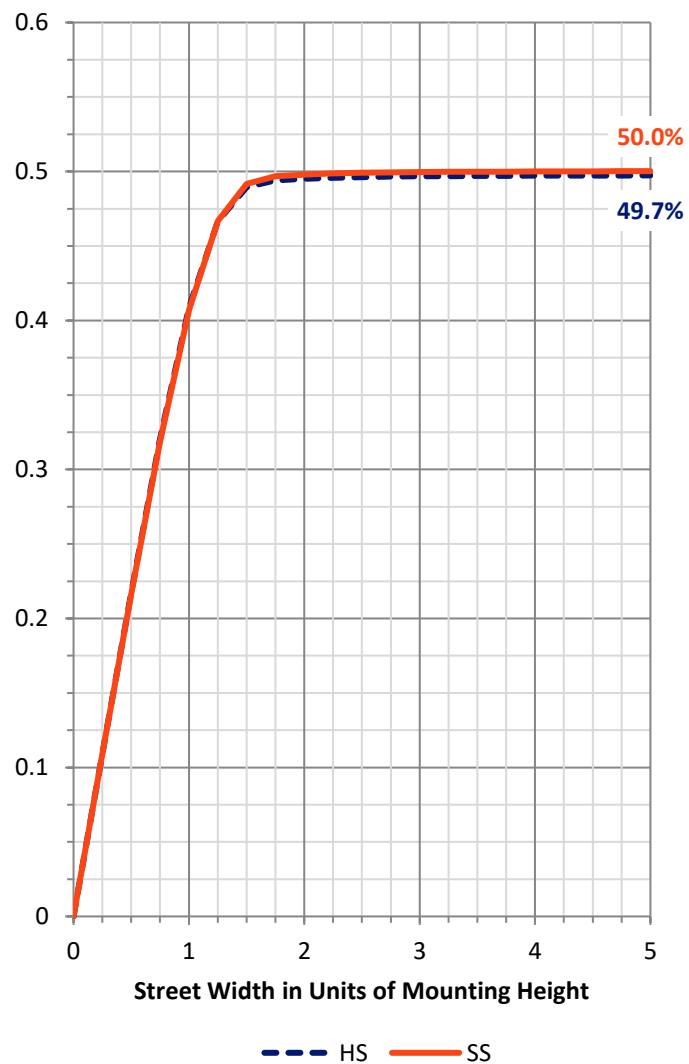
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1826.5	0.0	1826.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1826.5	0.0	1826.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3653.0	0.0	3653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.4
10°-20°	173.7	4.8
20°-30°	354.7	9.7
30°-40°	676.3	18.5
40°-50°	1139.7	31.2
50°-60°	1086.9	29.8
60°-70°	151.7	4.2
70°-80°	14.5	0.4
80°-90°	5.0	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°	3653.0	100.0
0°-180°	3653.0	100.0

Coefficient of Utilization



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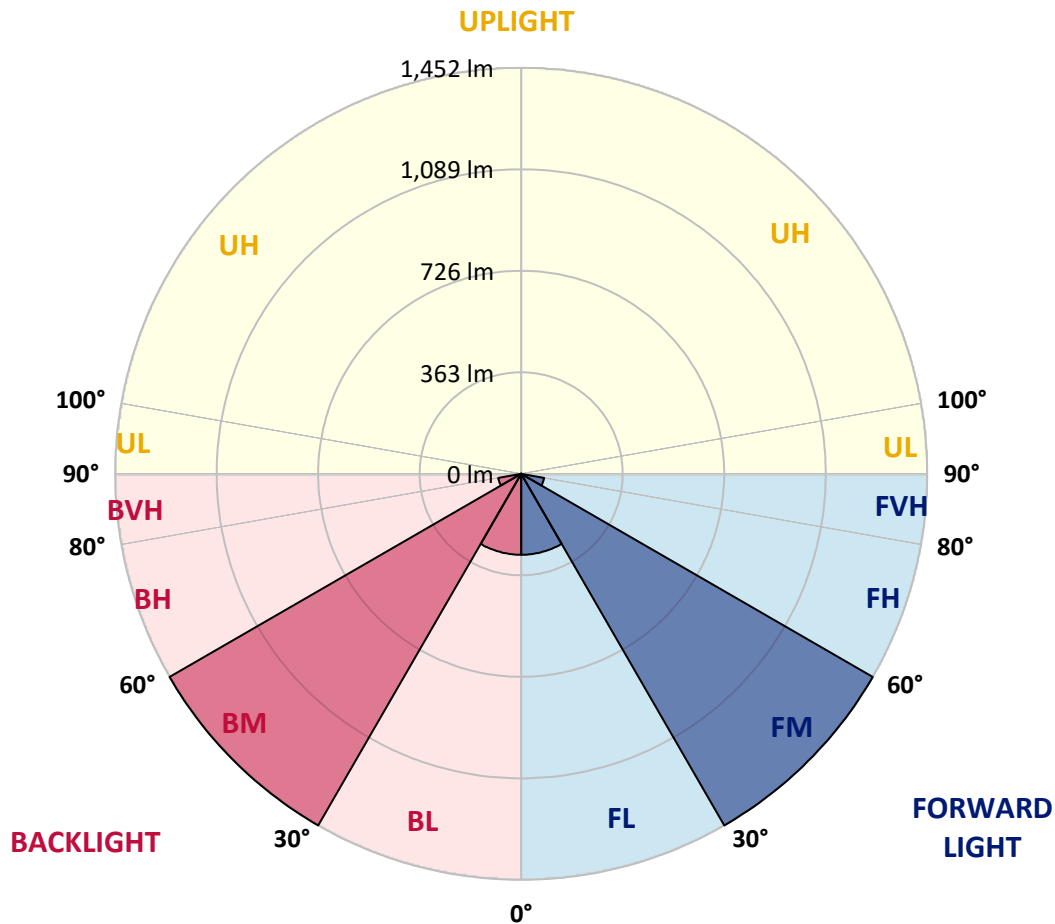
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.3	7.9			
FM	(30°-60°)	1451.5	39.7			
FH	(60°-80°)	83.1	2.3			G0/660
FVH	(80°-90°)	2.5	0.1			G0/10
BL	(0°-30°)	289.3	7.9	B1/500		
BM	(30°-60°)	1451.5	39.7	B2/2500		
BH	(60°-80°)	83.1	2.3	B0/110		G0/660
BVH	(80°-90°)	2.5	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°	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4
2.5°	504.6	504.6	504.0	508.9	506.4	512.0	511.4	513.2	515.1	514.4	519.4
5°	500.3	499.7	499.7	505.2	510.8	516.9	522.4	526.1	532.3	532.3	538.4
7.5°	504.6	501.5	505.8	508.3	518.7	529.2	538.4	545.8	559.9	564.8	563.0
10°	505.8	509.5	512.6	520.0	532.9	548.9	556.8	575.3	591.3	602.3	604.8
12.5°	513.8	519.4	528.0	545.8	557.5	578.4	589.4	607.2	629.4	641.7	650.3
15°	529.2	531.0	542.1	564.8	590.0	609.1	626.3	639.2	660.7	674.9	675.5
17.5°	548.9	556.8	572.2	593.7	620.2	648.4	661.9	676.1	684.1	703.1	707.4
20°	588.2	589.4	604.2	632.4	665.6	691.4	701.3	708.7	705.6	725.3	728.9
22.5°	625.1	626.3	644.7	682.8	718.5	740.6	744.9	740.6	731.4	745.5	746.8
25°	662.6	673.6	687.1	725.3	769.5	799.0	799.6	787.9	768.9	771.4	777.5
27.5°	721.0	728.9	743.1	778.1	826.7	859.9	854.3	840.2	815.6	817.4	815.6
30°	789.2	796.5	808.2	853.1	888.7	925.0	933.0	919.5	882.6	874.6	883.8
32.5°	871.5	882.0	903.5	944.7	974.8	996.9	1002.4	997.5	963.1	960.0	966.2
35°	971.7	985.9	1005.5	1041.8	1066.4	1106.3	1106.3	1089.7	1058.4	1062.1	1061.5
37.5°	1077.4	1098.3	1129.1	1165.9	1199.1	1220.6	1213.9	1199.7	1168.4	1160.4	1168.4
40°	1210.2	1220.6	1259.4	1307.3	1347.9	1372.5	1343.6	1312.8	1237.8	1249.5	1271.0
42.5°	1331.3	1347.9	1377.4	1430.2	1476.3	1496.6	1462.2	1401.3	1311.0	1301.8	1317.7
45°	1434.5	1452.4	1491.1	1566.7	1615.2	1633.0	1556.8	1458.5	1355.2	1331.9	1338.6
47.5°	1503.4	1512.6	1566.7	1638.6	1682.8	1723.4	1614.0	1497.8	1376.1	1331.9	1329.4
50°	1476.9	1492.9	1556.2	1638.0	1718.5	1747.4	1642.9	1527.9	1382.9	1326.4	1319.0
52.5°	1311.6	1339.3	1409.9	1520.0	1641.7	1744.9	1682.8	1518.1	1380.4	1331.9	1342.9
55°	912.7	913.3	999.4	1161.6	1376.8	1620.1	1624.4	1529.2	1396.4	1366.3	1366.9
57.5°	366.9	385.4	451.1	614.0	812.5	1112.5	1322.7	1418.5	1398.3	1390.9	1409.9
60°	92.8	93.4	113.7	173.3	285.8	476.9	692.7	937.3	1079.3	1127.8	1134.6
62.5°	47.3	47.9	52.9	61.5	78.1	127.8	227.4	360.8	513.2	590.7	610.9
65°	38.7	38.7	41.8	46.1	46.7	49.2	59.0	84.2	122.3	138.9	140.7
67.5°	29.5	29.5	32.0	34.4	35.6	35.0	33.8	35.0	42.4	40.6	39.3
70°	18.4	19.1	20.3	22.7	24.0	24.6	25.2	26.4	30.1	31.3	30.1
72.5°	11.1	11.1	11.7	13.5	15.4	16.6	18.4	19.7	21.5	24.6	24.0
75°	4.9	4.9	6.1	8.0	9.8	11.7	13.5	15.4	16.6	18.4	19.1
77.5°	1.2	1.8	3.1	5.5	7.4	9.8	12.3	14.1	15.4	15.4	14.8
80°	0.6	0.6	2.5	4.3	8.0	10.4	13.5	14.8	16.6	15.4	13.5
82.5°	0.6	0.6	2.5	4.3	7.4	10.4	14.1	16.0	17.2	15.4	12.9
85°	0.0	0.6	1.8	3.7	6.1	7.4	6.1	4.3	2.5	2.5	1.8
87.5°	0.0	0.0	0.6	0.6	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)