

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: P526921

Luminaire Tested: **GALN-SA1D-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3733 lumens
Efficiency: N/A
Efficacy: 57.4 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): 65
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



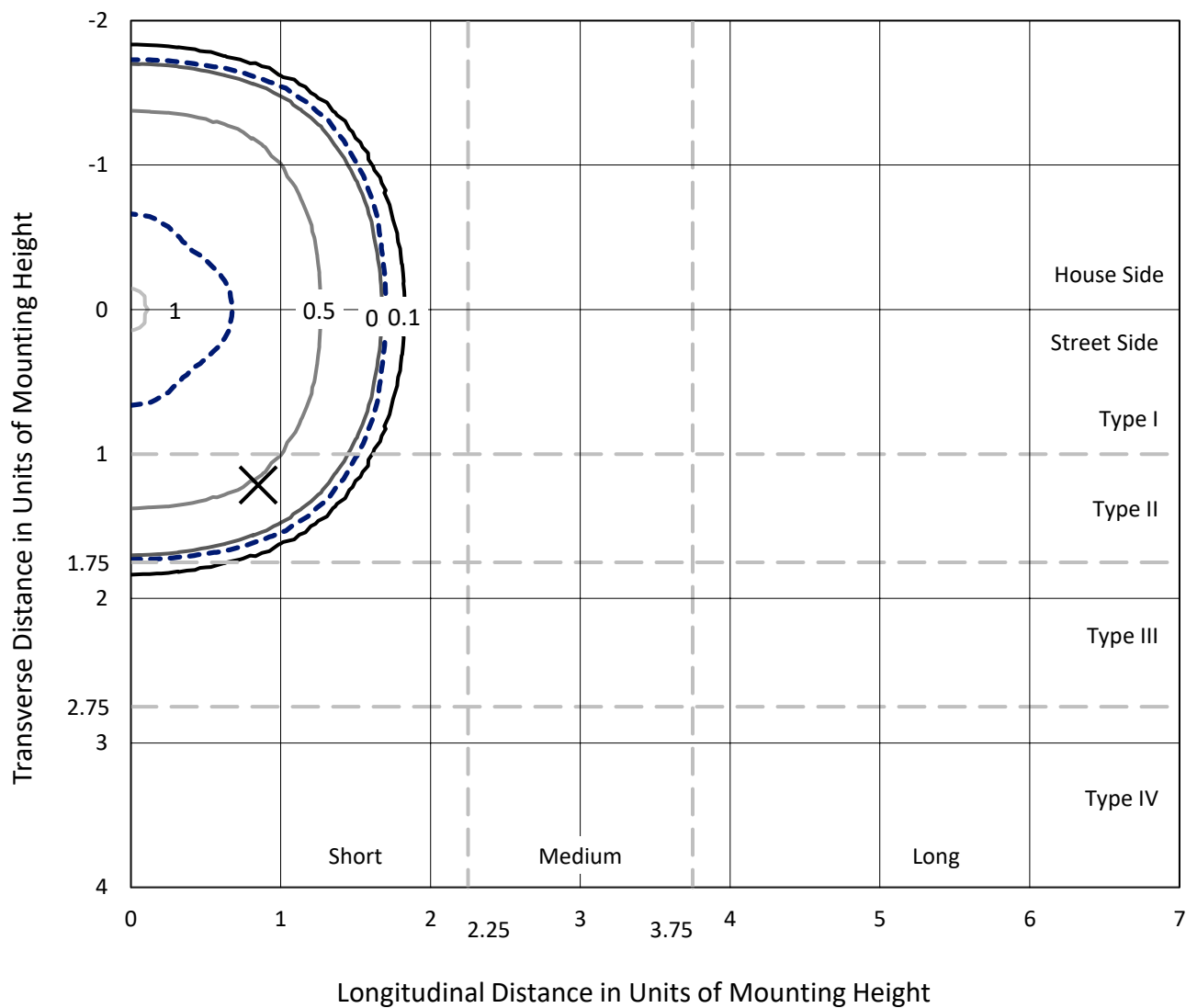
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

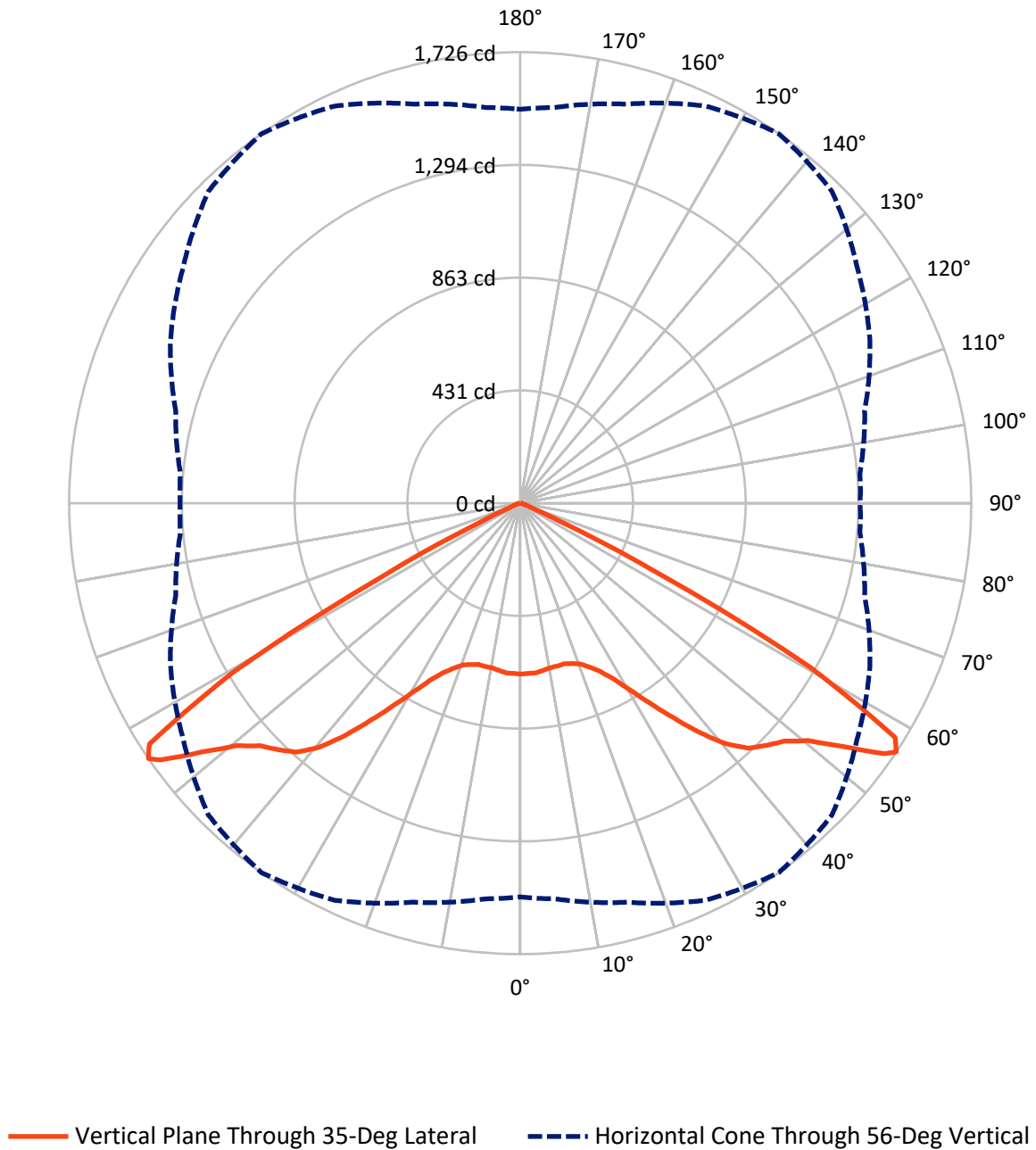


Based on 25 foot mounting height. Maximum calculated value = 1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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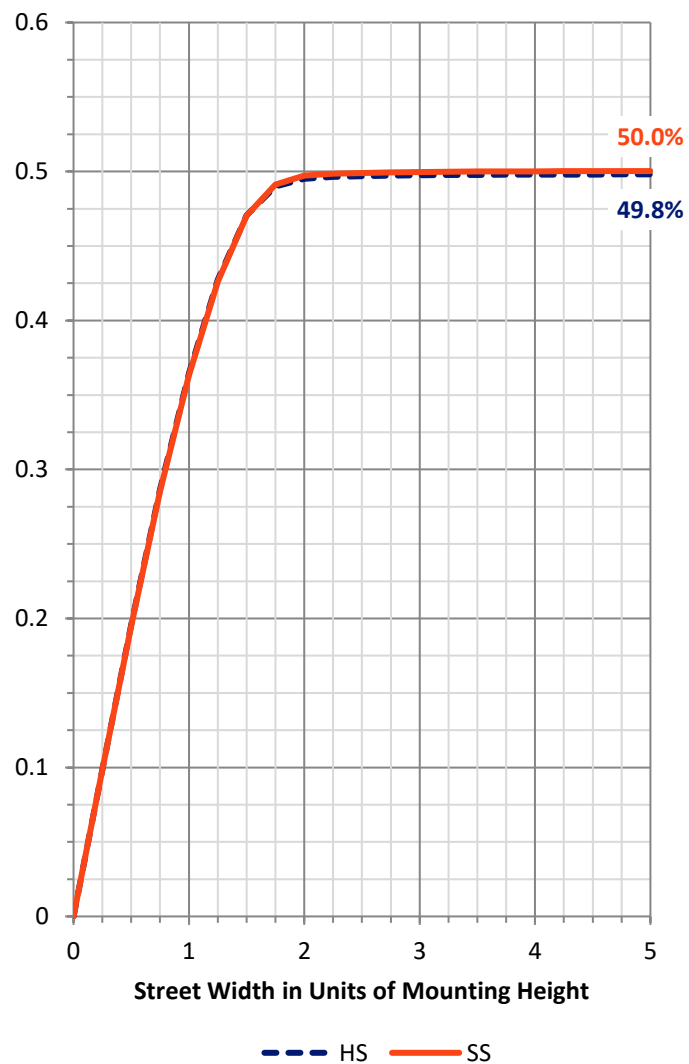
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1866.5	0.0	1866.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1866.5	0.0	1866.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3733.0	0.0	3733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.6
10°-20°	179.5	4.8
20°-30°	325.0	8.7
30°-40°	602.7	16.1
40°-50°	989.3	26.5
50°-60°	1274.5	34.1
60°-70°	280.9	7.5
70°-80°	16.3	0.4
80°-90°	3.4	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°	3733.0	100.0
0°-180°	3733.0	100.0

Coefficient of Utilization



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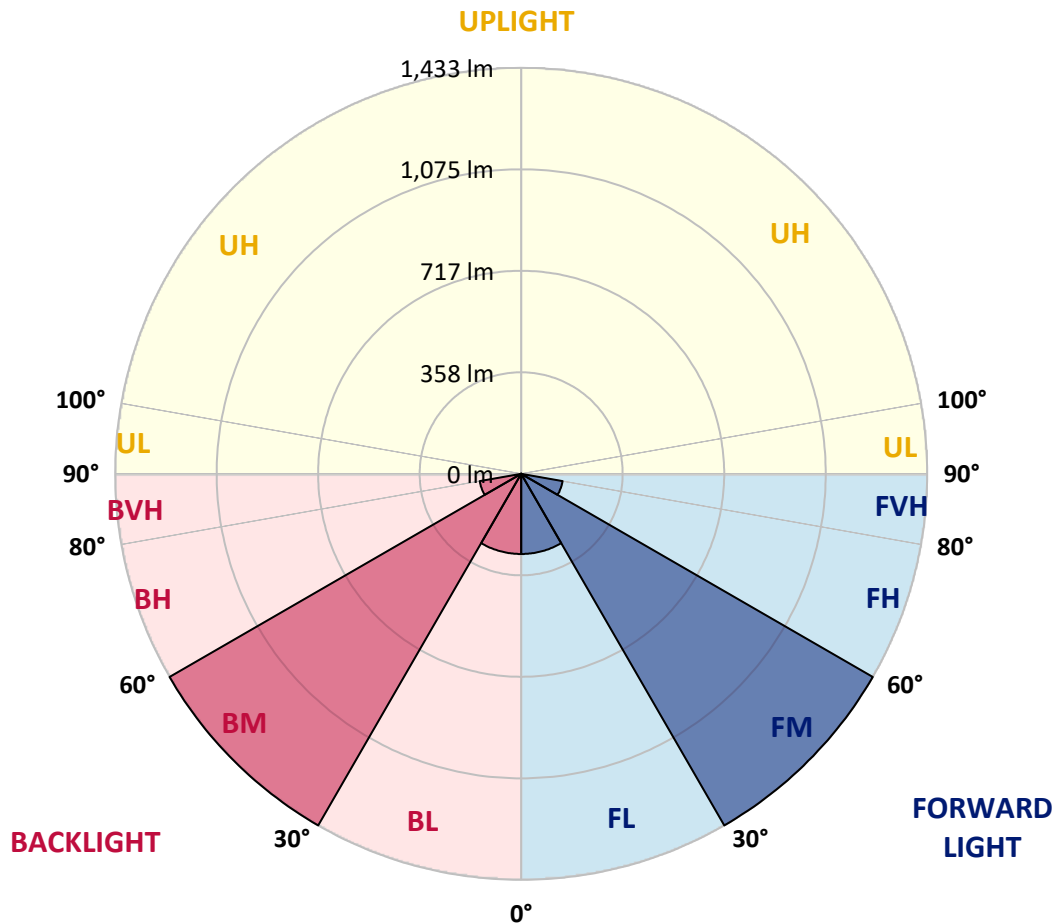
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.0	7.6			
FM	(30°-60°)	1433.2	38.4			
FH	(60°-80°)	148.6	4.0			G0/660
FVH	(80°-90°)	1.7	0.0			G0/10
BL	(0°-30°)	283.0	7.6	B1/500		
BM	(30°-60°)	1433.2	38.4	B2/2500		
BH	(60°-80°)	148.6	4.0	B1/500		G0/660
BVH	(80°-90°)	1.7	0.0			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°	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1
2.5°	655.5	655.5	656.1	656.8	652.1	650.0	650.7	649.4	648.7	650.7	650.7
5°	653.4	653.4	651.4	652.1	652.1	646.0	646.0	647.3	647.3	643.3	641.9
7.5°	648.0	646.7	644.0	647.3	645.3	645.3	640.6	637.2	635.8	638.5	635.8
10°	636.5	637.2	639.9	641.2	639.9	644.0	635.8	631.1	626.4	624.3	624.3
12.5°	631.1	635.2	631.1	634.5	639.2	635.8	631.1	627.7	621.0	618.3	618.3
15°	630.4	633.1	634.5	639.2	637.2	638.5	629.1	625.0	614.9	610.1	608.1
17.5°	629.8	633.1	635.2	644.0	645.3	646.0	638.5	626.4	617.6	612.8	608.1
20°	637.2	638.5	642.6	651.4	656.8	666.3	652.7	639.9	621.0	615.5	613.5
22.5°	646.7	653.4	657.5	667.0	681.2	689.3	671.7	655.5	635.8	629.1	621.0
25°	677.1	675.7	682.5	702.1	713.6	719.7	705.5	681.8	656.1	648.0	649.4
27.5°	715.0	716.3	722.4	744.1	761.0	770.4	753.5	722.4	697.4	683.9	682.5
30°	764.4	763.0	769.8	798.9	829.3	843.5	813.7	777.2	752.9	735.3	739.3
32.5°	816.4	817.1	836.1	862.4	911.8	939.6	891.5	846.9	810.4	798.2	792.1
35°	893.6	896.9	911.8	952.4	1007.2	1043.0	990.3	936.8	894.9	872.6	875.3
37.5°	988.9	985.5	1010.6	1054.5	1112.0	1138.4	1093.8	1032.9	990.3	975.4	984.9
40°	1090.4	1093.8	1106.6	1146.5	1210.8	1228.4	1162.1	1129.0	1091.7	1084.3	1095.8
42.5°	1191.9	1189.8	1199.3	1235.1	1281.8	1269.6	1230.4	1210.8	1184.4	1169.5	1185.1
45°	1266.3	1262.9	1280.5	1304.8	1321.7	1298.7	1281.1	1274.4	1260.9	1244.6	1258.8
47.5°	1338.6	1335.9	1352.8	1359.6	1361.0	1330.5	1333.9	1346.1	1312.3	1278.4	1294.7
50°	1400.2	1395.5	1416.4	1431.3	1427.9	1379.2	1391.4	1379.2	1326.5	1286.6	1280.5
52.5°	1503.0	1505.0	1527.4	1554.4	1546.3	1505.7	1488.1	1432.7	1365.0	1329.2	1308.2
55°	1568.0	1557.8	1596.4	1682.3	1691.7	1649.8	1572.0	1490.2	1388.7	1344.7	1339.3
56°	1507.1	1519.9	1580.8	1676.9	1725.6	1687.0	1574.0	1476.0	1364.3	1304.8	1300.8
57.5°	1352.2	1345.4	1427.9	1559.2	1691.7	1675.5	1518.6	1374.5	1244.6	1177.7	1169.5
60°	841.5	861.1	933.5	1095.8	1273.0	1281.1	1125.6	1001.8	850.3	790.7	804.9
62.5°	329.4	312.5	357.8	478.9	600.7	627.7	568.9	472.8	388.3	329.4	325.4
65°	76.4	74.4	83.9	115.7	161.7	187.4	177.9	127.8	94.0	89.3	82.5
67.5°	43.3	43.3	41.3	41.3	45.3	48.0	46.0	45.3	47.3	49.4	48.7
70°	30.4	29.8	28.4	29.1	27.7	27.7	29.8	33.1	35.9	35.9	36.5
72.5°	18.3	18.3	18.3	20.3	20.3	20.3	22.3	25.0	25.7	25.0	24.4
75°	8.1	8.1	9.5	11.5	12.9	13.5	15.6	16.9	18.3	16.9	15.6
77.5°	2.0	2.0	3.4	4.7	6.1	7.4	10.1	12.2	12.9	12.2	10.1
80°	0.7	0.7	1.4	3.4	6.1	7.4	10.1	10.8	11.5	10.1	8.1
82.5°	0.7	0.7	1.4	3.4	4.7	6.1	8.1	9.5	10.1	8.8	8.1
85°	0.0	0.7	1.4	2.7	4.1	5.4	5.4	4.1	3.4	2.0	2.7
87.5°	0.0	0.0	0.7	0.7	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)