

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: P528875

Luminaire Tested: **GALN-SA4A-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4A-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8594 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

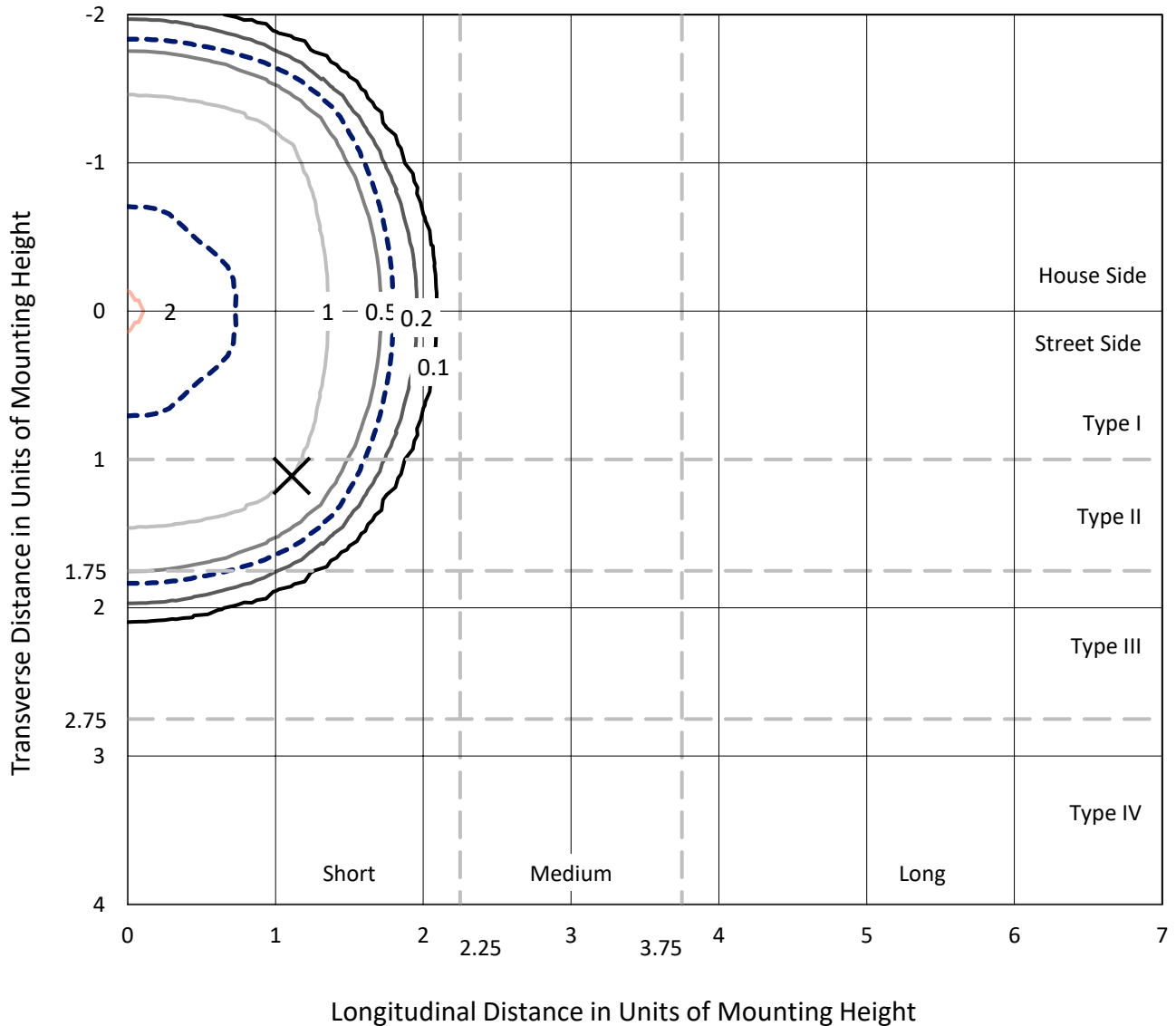
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

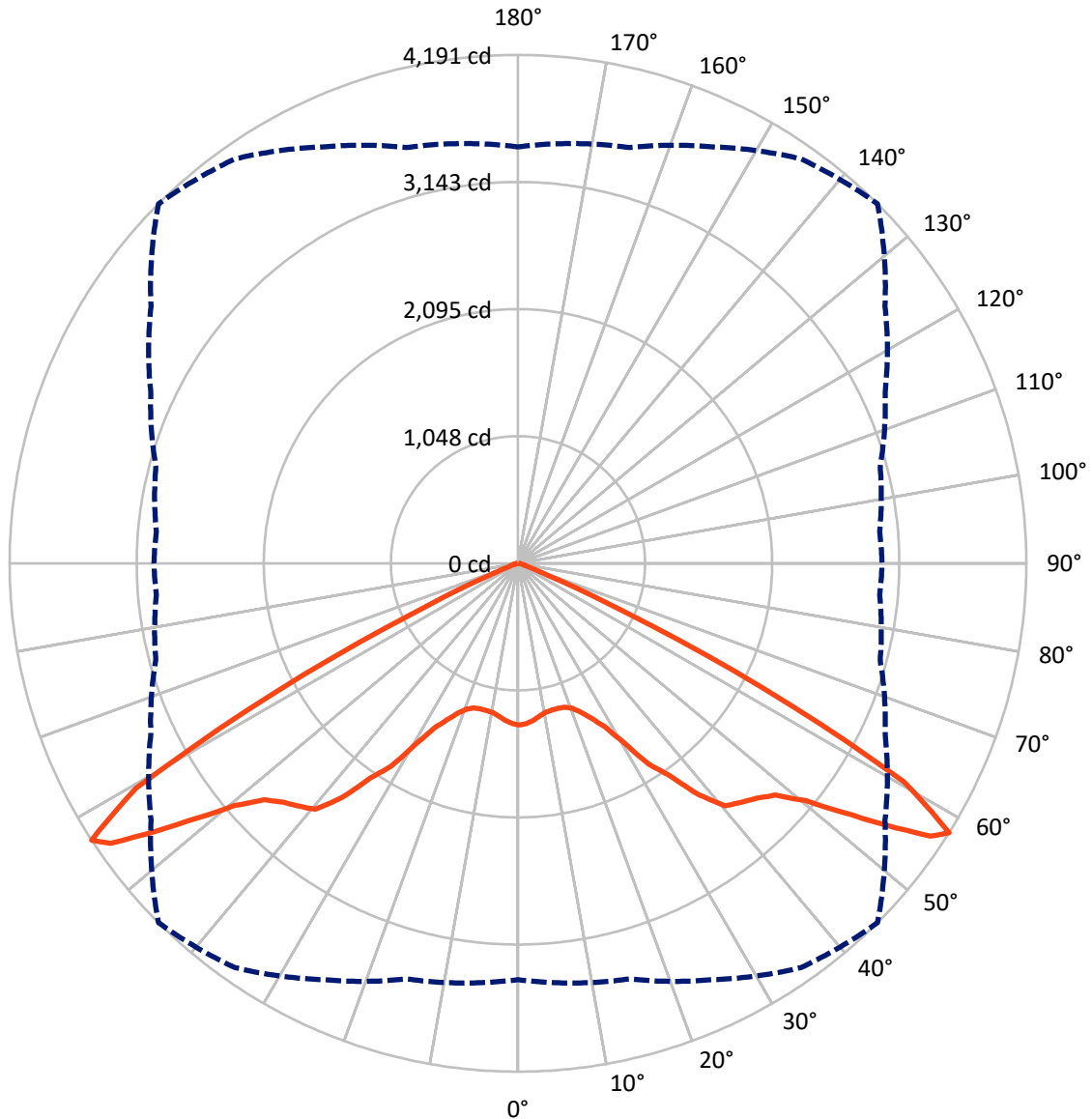
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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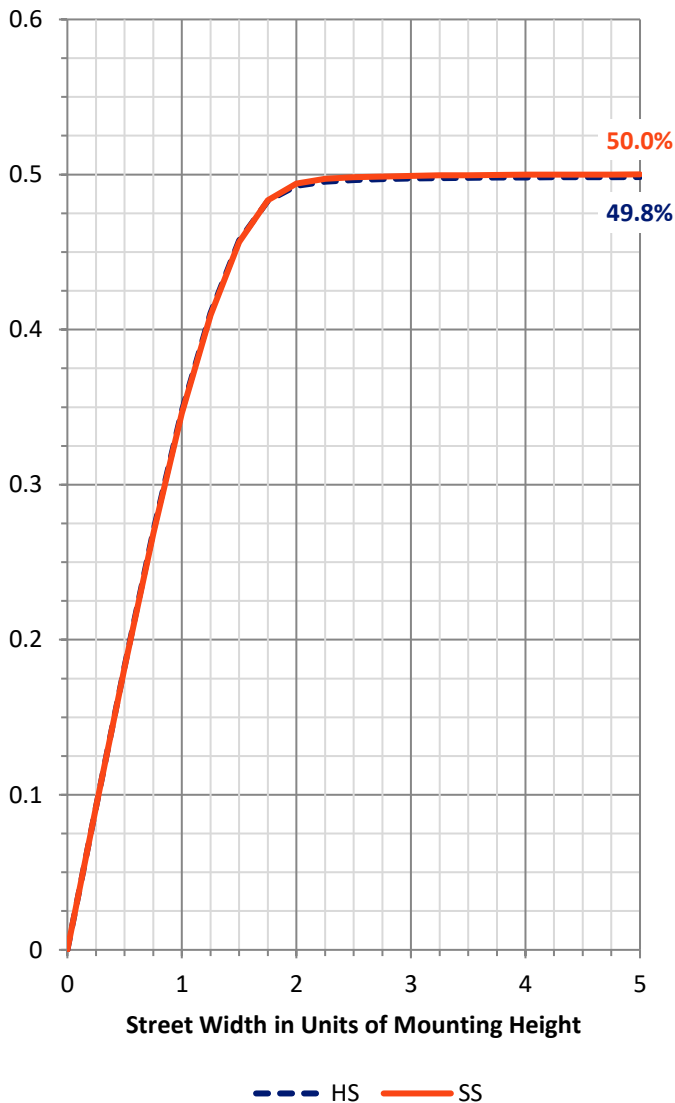
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4297.0	0.0	4297.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4297.0	0.0	4297.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8594.0	0.0	8594.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.4
10°-20°	354.1	4.1
20°-30°	653.6	7.6
30°-40°	1285.3	15.0
40°-50°	2093.5	24.4
50°-60°	2985.5	34.7
60°-70°	1033.7	12.0
70°-80°	55.4	0.6
80°-90°	10.4	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°	8594.0	100.0
0°-180°	8594.0	100.0

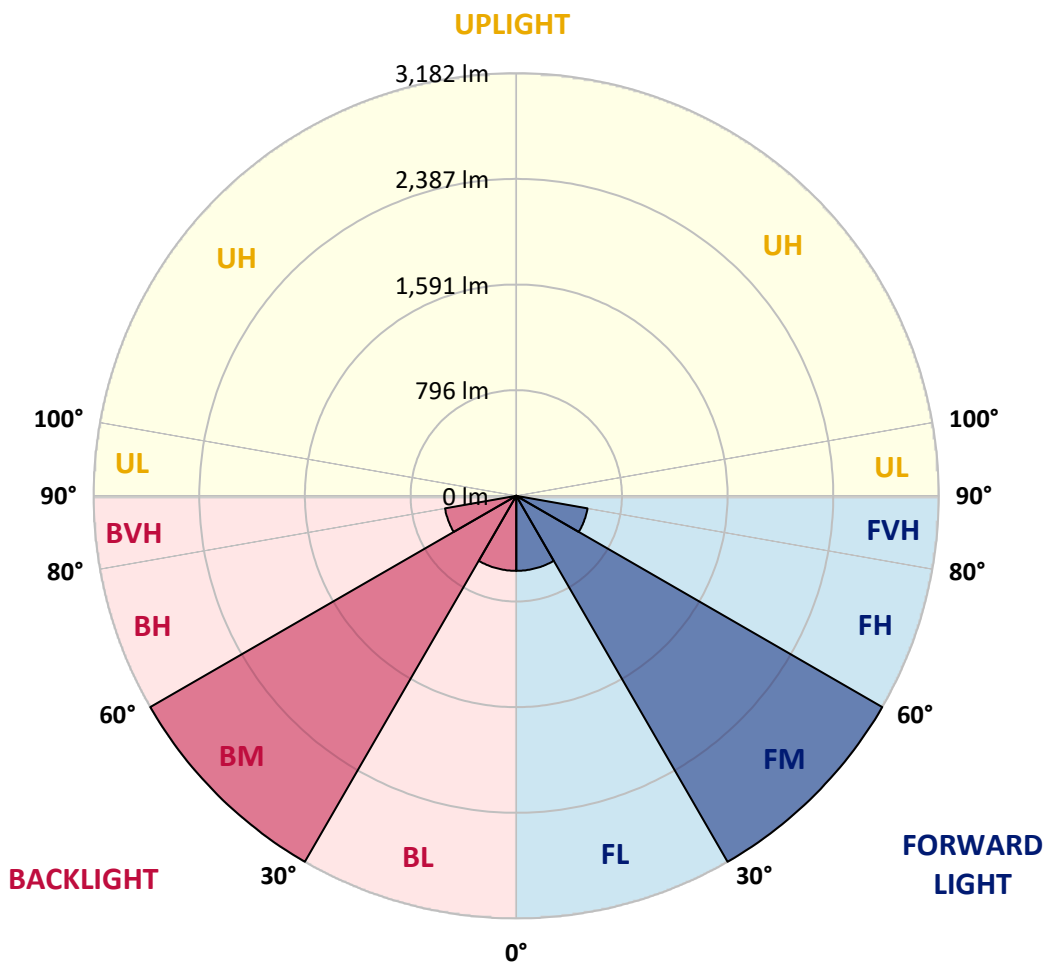


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	565.1	6.6			
FM (30°-60°)	3182.2	37.0			
FH (60°-80°)	544.6	6.3			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	565.1	6.6	B2/1000		
BM (30°-60°)	3182.2	37.0	B3/5000		
BH (60°-80°)	544.6	6.3	B2/1000		G0/660
BVH (80°-90°)	5.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1329.4	1336.6	1327.6	1324.1	1322.3	1322.3	1316.9	1316.9	1315.1	1316.9	1309.7
5°	1307.9	1315.1	1315.1	1313.3	1302.6	1300.8	1295.4	1291.8	1293.6	1286.4	1291.8
7.5°	1286.4	1291.8	1284.6	1282.9	1279.3	1272.1	1270.3	1254.2	1256.0	1256.0	1259.6
10°	1282.9	1281.1	1270.3	1261.4	1250.6	1248.8	1243.4	1239.9	1239.9	1238.1	1243.4
12.5°	1282.9	1273.9	1272.1	1252.4	1234.5	1241.6	1227.3	1218.4	1230.9	1234.5	1241.6
15°	1281.1	1290.0	1259.6	1250.6	1238.1	1239.9	1227.3	1218.4	1225.5	1229.1	1234.5
17.5°	1291.8	1286.4	1277.5	1259.6	1254.2	1247.0	1230.9	1223.7	1223.7	1232.7	1234.5
20°	1320.5	1306.1	1288.2	1279.3	1284.6	1275.7	1256.0	1229.1	1236.3	1243.4	1248.8
22.5°	1347.4	1336.6	1324.1	1318.7	1349.1	1334.8	1300.8	1270.3	1259.6	1272.1	1281.1
25°	1399.3	1399.3	1376.0	1383.2	1417.2	1419.0	1379.6	1325.9	1318.7	1324.1	1327.6
27.5°	1505.0	1510.4	1490.7	1497.9	1512.2	1524.7	1490.7	1445.9	1429.8	1428.0	1433.4
30°	1619.7	1630.4	1628.6	1659.1	1700.3	1707.5	1657.3	1583.9	1535.5	1526.5	1533.7
32.5°	1770.2	1775.6	1772.0	1807.8	1918.9	1970.9	1840.1	1736.2	1671.6	1687.8	1671.6
35°	2053.3	2047.9	2008.5	2015.7	2107.0	2144.7	2019.2	1952.9	1922.5	1954.7	1947.6
37.5°	2297.0	2277.2	2245.0	2291.6	2386.5	2420.6	2289.8	2173.3	2117.8	2171.5	2194.8
40°	2503.0	2452.8	2408.0	2454.6	2581.8	2628.4	2436.7	2341.7	2320.2	2359.7	2409.8
42.5°	2676.8	2644.5	2585.4	2589.0	2673.2	2694.7	2540.6	2485.1	2463.6	2526.3	2551.4
45°	2800.4	2770.0	2714.4	2710.8	2775.3	2761.0	2623.0	2585.4	2598.0	2639.2	2651.7
47.5°	2863.1	2879.3	2847.0	2856.0	2890.0	2856.0	2746.7	2746.7	2718.0	2743.1	2730.5
50°	3044.1	2993.9	3035.1	3035.1	3071.0	3074.5	2965.3	2925.8	2848.8	2805.8	2805.8
52.5°	3255.5	3259.1	3275.2	3334.3	3395.3	3447.2	3291.3	3122.9	2993.9	2938.4	2931.2
55°	3429.3	3465.1	3529.6	3640.7	3816.3	3888.0	3619.2	3318.2	3160.5	3074.5	3056.6
56°	3524.3	3490.2	3601.3	3753.6	3982.9	4076.1	3673.0	3357.6	3183.8	3087.1	3085.3
57.5°	3432.9	3470.5	3547.6	3787.6	4068.9	4190.8	3692.7	3339.7	3090.7	2992.1	3001.1
60°	2710.8	2746.7	2850.6	3119.3	3560.1	3655.1	3124.7	2753.8	2531.7	2390.1	2391.9
62.5°	1533.7	1560.6	1641.2	1890.2	2164.4	2255.7	1947.6	1700.3	1546.2	1467.4	1442.3
65°	564.4	553.6	566.2	693.4	861.8	938.8	809.8	684.4	603.8	575.1	564.4
67.5°	211.4	195.3	182.8	195.3	245.5	259.8	238.3	198.9	186.3	191.7	195.3
70°	130.8	123.6	98.5	93.2	91.4	89.6	95.0	100.3	114.7	134.4	138.0
72.5°	91.4	86.0	69.9	66.3	62.7	60.9	69.9	77.0	89.6	103.9	105.7
75°	35.8	37.6	35.8	39.4	41.2	43.0	50.2	55.5	60.9	60.9	59.1
77.5°	7.2	7.2	10.8	14.3	17.9	23.3	34.0	39.4	41.2	39.4	34.0
80°	0.0	0.0	3.6	7.2	14.3	19.7	30.5	34.0	37.6	34.0	26.9
82.5°	0.0	0.0	3.6	9.0	14.3	17.9	28.7	35.8	41.2	37.6	28.7
85°	0.0	0.0	3.6	7.2	10.8	12.5	12.5	9.0	9.0	5.4	3.6
87.5°	0.0	0.0	0.0	0.0	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)