

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: P528099

Luminaire Tested: **GALN-SA3A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528099
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-SA3A-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7011 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

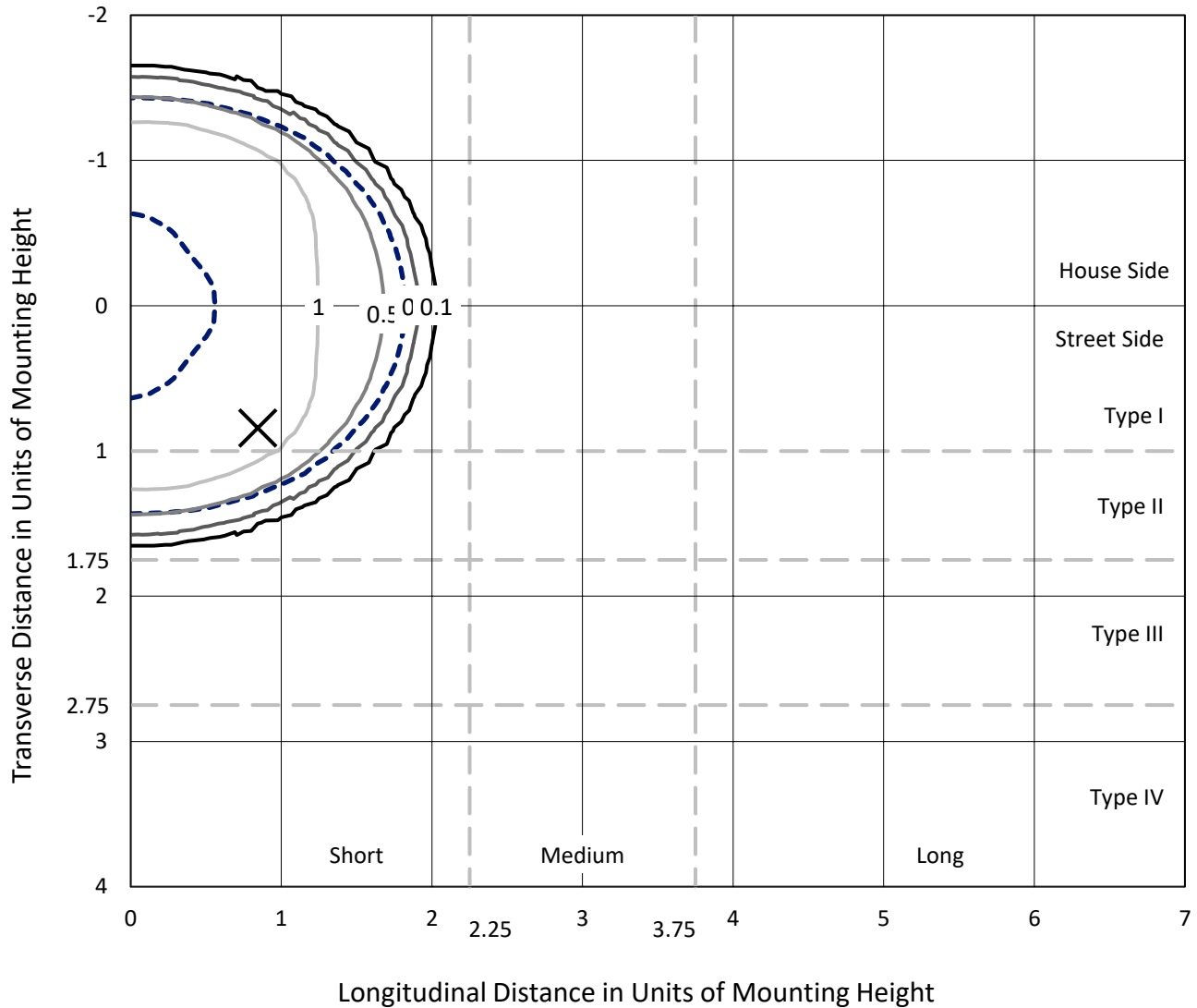
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

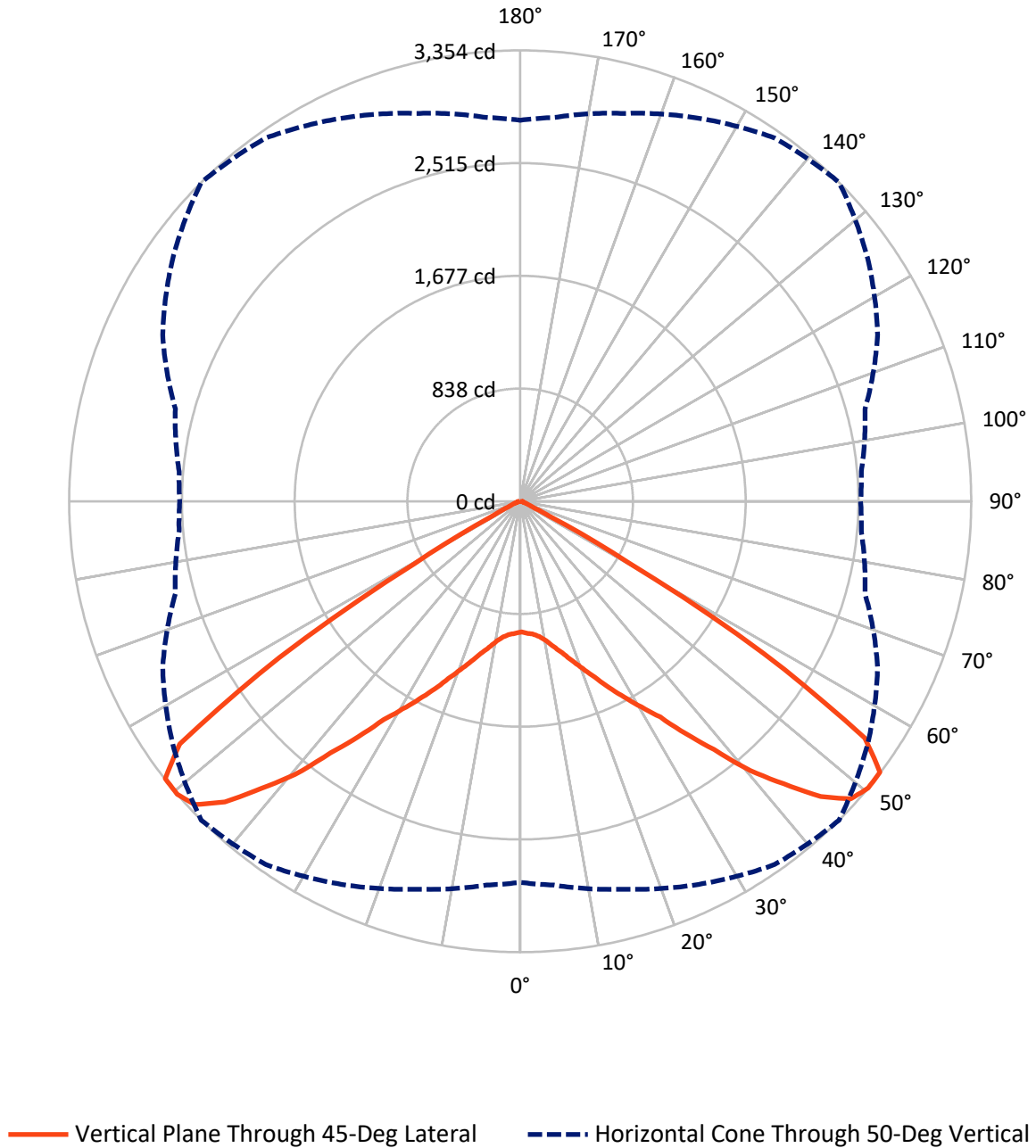
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	3505.5	0.0	3505.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3505.5	0.0	3505.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7011.0	0.0	7011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	1.4
10°-20°	333.3	4.8
20°-30°	680.7	9.7
30°-40°	1298.1	18.5
40°-50°	2187.4	31.2
50°-60°	2086.1	29.8
60°-70°	291.2	4.2
70°-80°	27.8	0.4
80°-90°	9.6	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°	7011.0	100.0
0°-180°	7011.0	100.0

Coefficient of Utilization



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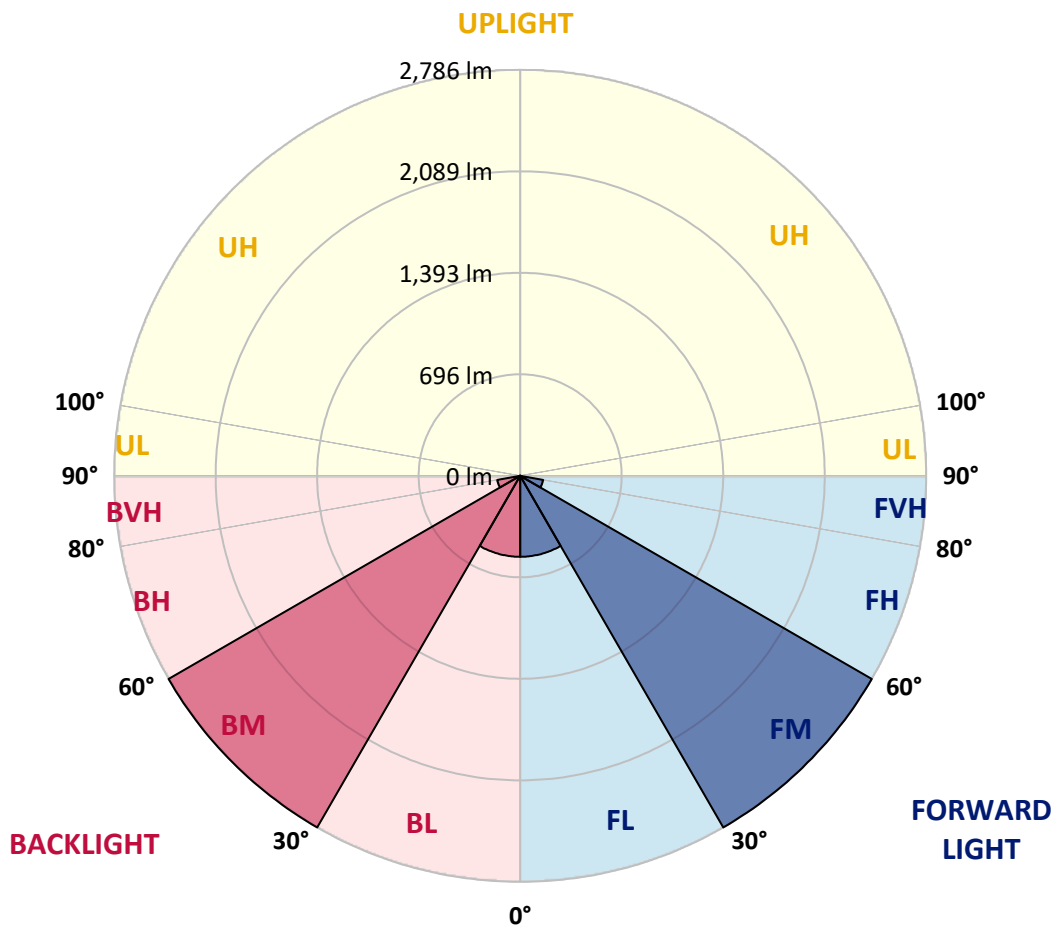
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.3	7.9			
FM (30°-60°)	2785.8	39.7			
FH (60°-80°)	159.5	2.3			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	555.3	7.9	B2/1000		
BM (30°-60°)	2785.8	39.7	B3/5000		
BH (60°-80°)	159.5	2.3	B1/500		G0/660
BVH (80°-90°)	4.8	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°	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0	972.0
2.5°	968.5	968.5	967.3	976.7	972.0	982.6	981.4	985.0	988.5	987.3	996.8
5°	960.2	959.0	959.0	969.6	980.3	992.1	1002.7	1009.7	1021.5	1021.5	1033.3
7.5°	968.5	962.6	970.8	975.5	995.6	1015.6	1033.3	1047.5	1074.6	1084.1	1080.5
10°	970.8	977.9	983.8	997.9	1022.7	1053.4	1068.7	1104.1	1134.8	1156.0	1160.7
12.5°	986.2	996.8	1013.3	1047.5	1069.9	1110.0	1131.2	1165.5	1207.9	1231.5	1248.0
15°	1015.6	1019.2	1040.4	1084.1	1132.4	1169.0	1202.0	1226.8	1268.1	1295.2	1296.4
17.5°	1053.4	1068.7	1098.2	1139.5	1190.2	1244.5	1270.4	1297.6	1312.9	1349.5	1357.7
20°	1128.9	1131.2	1159.6	1213.8	1277.5	1327.1	1345.9	1360.1	1354.2	1391.9	1399.0
22.5°	1199.7	1202.0	1237.4	1310.5	1379.0	1421.4	1429.7	1421.4	1403.7	1430.9	1433.2
25°	1271.6	1292.9	1318.8	1391.9	1476.9	1533.5	1534.7	1512.3	1475.7	1480.4	1492.2
27.5°	1383.7	1399.0	1426.1	1493.4	1586.6	1650.3	1639.7	1612.5	1565.3	1568.9	1565.3
30°	1514.6	1528.8	1551.2	1637.3	1705.7	1775.3	1790.6	1764.7	1693.9	1678.6	1696.3
32.5°	1672.7	1692.7	1734.0	1813.1	1870.9	1913.3	1923.9	1914.5	1848.4	1842.5	1854.3
35°	1865.0	1892.1	1929.8	1999.4	2046.6	2123.3	2123.3	2091.4	2031.3	2038.4	2037.2
37.5°	2067.9	2108.0	2166.9	2237.7	2301.4	2342.7	2329.7	2302.6	2242.4	2227.1	2242.4
40°	2322.7	2342.7	2417.0	2509.0	2586.9	2634.1	2578.6	2519.6	2375.7	2398.1	2439.4
42.5°	2555.0	2586.9	2643.5	2745.0	2833.4	2872.3	2806.3	2689.5	2516.1	2498.4	2529.1
45°	2753.2	2787.4	2861.7	3006.8	3100.0	3134.2	2988.0	2799.2	2601.0	2556.2	2569.2
47.5°	2885.3	2903.0	3006.8	3144.8	3229.8	3307.6	3097.7	2874.7	2641.1	2556.2	2551.5
50°	2834.6	2865.3	2986.8	3143.7	3298.2	3353.6	3153.1	2932.5	2654.1	2545.6	2531.4
52.5°	2517.3	2570.4	2706.0	2917.2	3150.7	3348.9	3229.8	2913.6	2649.4	2556.2	2577.4
55°	1751.7	1752.9	1918.0	2229.5	2642.3	3109.4	3117.7	2934.9	2680.1	2622.3	2623.5
57.5°	704.2	739.6	865.8	1178.4	1559.4	2135.1	2538.5	2722.5	2683.6	2669.5	2706.0
60°	178.1	179.3	218.2	332.6	548.5	915.4	1329.4	1798.9	2071.4	2164.6	2177.6
62.5°	90.8	92.0	101.4	118.0	149.8	245.4	436.5	692.4	985.0	1133.6	1172.5
65°	74.3	74.3	80.2	88.5	89.7	94.4	113.2	161.6	234.7	266.6	270.1
67.5°	56.6	56.6	61.3	66.1	68.4	67.2	64.9	67.2	81.4	77.9	75.5
70°	35.4	36.6	38.9	43.6	46.0	47.2	48.4	50.7	57.8	60.2	57.8
72.5°	21.2	21.2	22.4	26.0	29.5	31.8	35.4	37.7	41.3	47.2	46.0
75°	9.4	9.4	11.8	15.3	18.9	22.4	26.0	29.5	31.8	35.4	36.6
77.5°	2.4	3.5	5.9	10.6	14.2	18.9	23.6	27.1	29.5	29.5	28.3
80°	1.2	1.2	4.7	8.3	15.3	20.1	26.0	28.3	31.8	29.5	26.0
82.5°	1.2	1.2	4.7	8.3	14.2	20.1	27.1	30.7	33.0	29.5	24.8
85°	0.0	1.2	3.5	7.1	11.8	14.2	11.8	8.3	4.7	4.7	3.5
87.5°	0.0	0.0	1.2	1.2	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)