

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: P528143

Luminaire Tested: **GALN-SA3B-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528143
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-SA3B-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8525 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

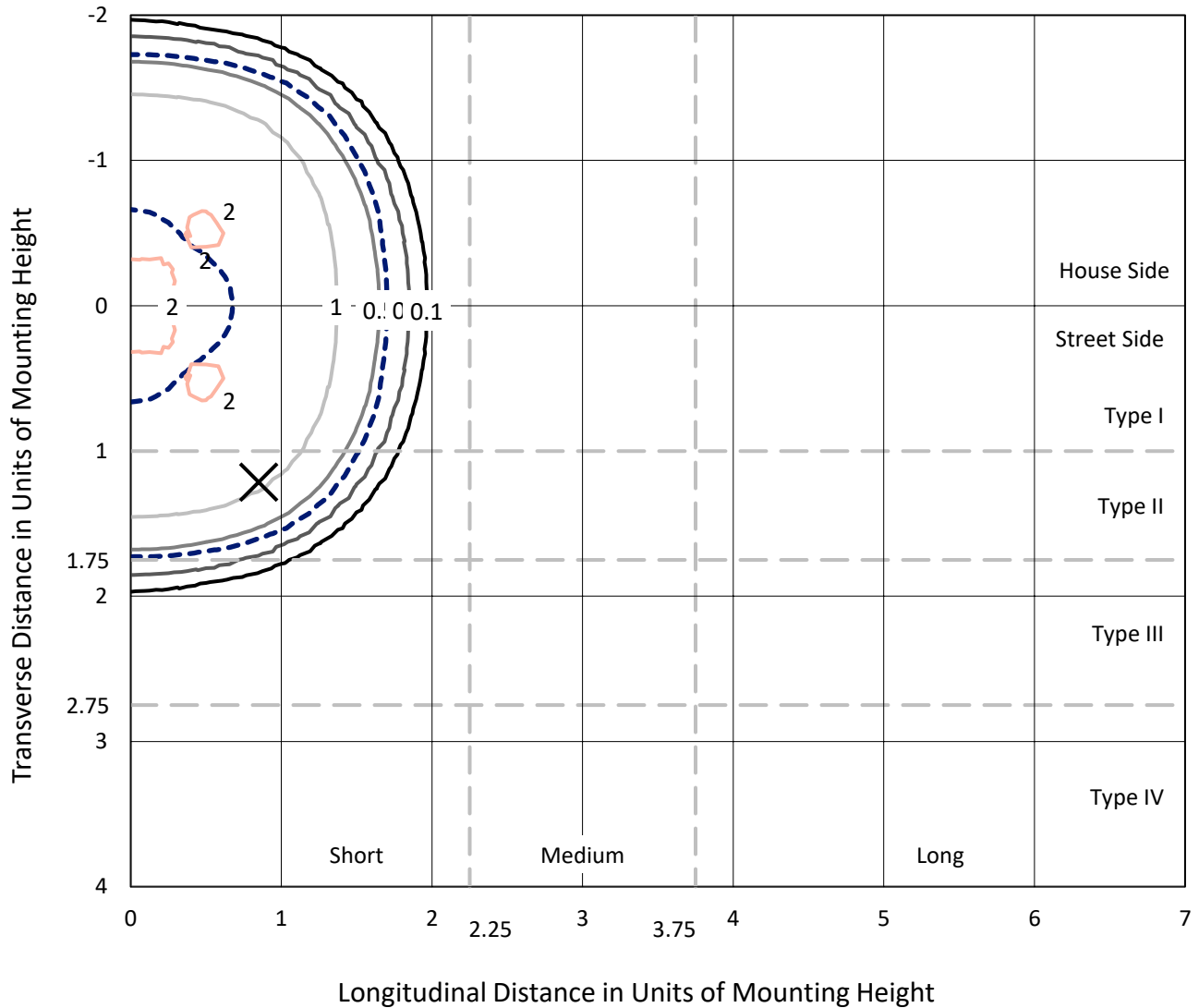
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

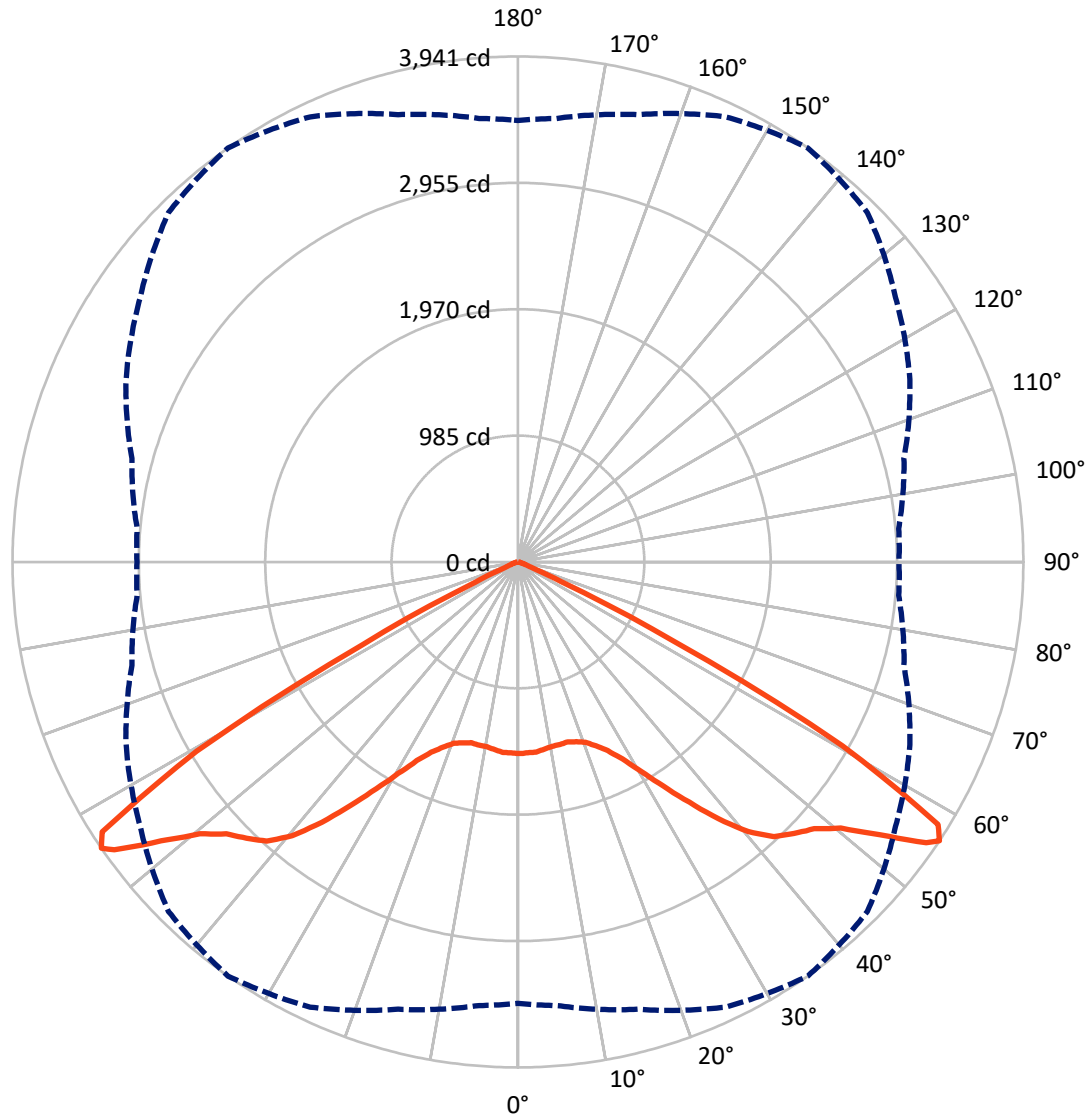
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4262.5	0.0	4262.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4262.5	0.0	4262.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8525.0	0.0	8525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	1.6
10°-20°	409.9	4.8
20°-30°	742.2	8.7
30°-40°	1376.3	16.1
40°-50°	2259.2	26.5
50°-60°	2910.5	34.1
60°-70°	641.4	7.5
70°-80°	37.2	0.4
80°-90°	7.8	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°	8525.0	100.0
0°-180°	8525.0	100.0

Coefficient of Utilization

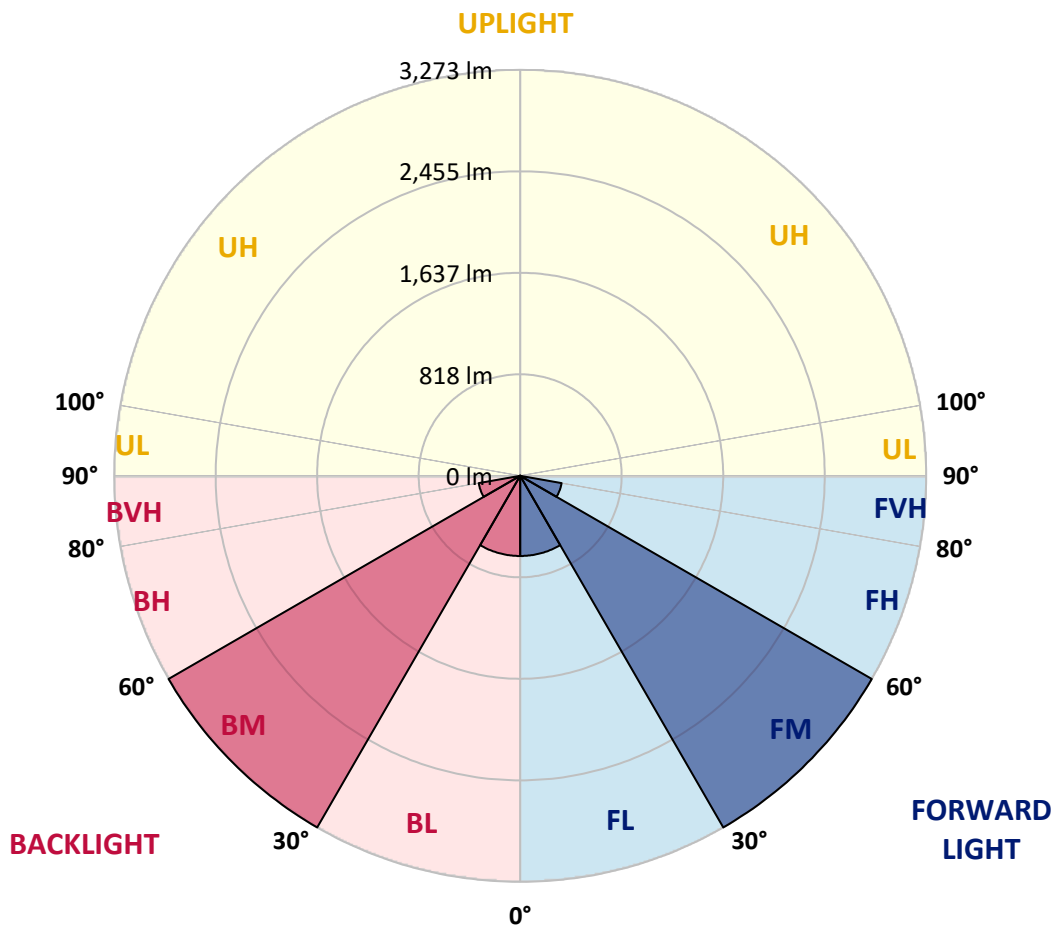


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.2	7.6			
FM (30°-60°)	3273.0	38.4			
FH (60°-80°)	339.3	4.0			G0/660
FVH (80°-90°)	3.9	0.0			G0/10
BL (0°-30°)	646.2	7.6	B2/1000		
BM (30°-60°)	3273.0	38.4	B3/5000		
BH (60°-80°)	339.3	4.0	B1/500		G0/660
BVH (80°-90°)	3.9	0.0			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°	1493.8	1493.8	1493.8	1493.8	1493.8	1493.8	1493.8	1493.8	1493.8	1493.8	1493.8
2.5°	1496.9	1496.9	1498.4	1499.9	1489.1	1484.5	1486.0	1483.0	1481.4	1486.0	1486.0
5°	1492.2	1492.2	1487.6	1489.1	1489.1	1475.2	1475.2	1478.3	1478.3	1469.0	1466.0
7.5°	1479.9	1476.8	1470.6	1478.3	1473.7	1473.7	1462.9	1455.1	1452.1	1458.2	1452.1
10°	1453.6	1455.1	1461.3	1464.4	1461.3	1470.6	1452.1	1441.2	1430.4	1425.8	1425.8
12.5°	1441.2	1450.5	1441.2	1449.0	1459.8	1452.1	1441.2	1433.5	1418.1	1411.9	1411.9
15°	1439.7	1445.9	1449.0	1459.8	1455.1	1458.2	1436.6	1427.3	1404.2	1393.4	1388.7
17.5°	1438.2	1445.9	1450.5	1470.6	1473.7	1475.2	1458.2	1430.4	1410.3	1399.5	1388.7
20°	1455.1	1458.2	1467.5	1487.6	1499.9	1521.6	1490.7	1461.3	1418.1	1405.7	1401.1
22.5°	1476.8	1492.2	1501.5	1523.1	1555.6	1574.1	1533.9	1496.9	1452.1	1436.6	1418.1
25°	1546.3	1543.2	1558.6	1603.4	1629.7	1643.6	1611.2	1557.1	1498.4	1479.9	1483.0
27.5°	1632.8	1635.9	1649.8	1699.2	1737.8	1759.5	1720.8	1649.8	1592.6	1561.7	1558.6
30°	1745.6	1742.5	1757.9	1824.3	1893.9	1926.3	1858.3	1774.9	1719.3	1679.1	1688.4
32.5°	1864.5	1866.0	1909.3	1969.5	2082.3	2145.6	2036.0	1934.0	1850.6	1822.8	1808.9
35°	2040.6	2048.3	2082.3	2175.0	2300.1	2382.0	2261.5	2139.5	2043.7	1992.7	1998.9
37.5°	2258.4	2250.7	2307.8	2408.2	2539.6	2599.8	2497.8	2358.8	2261.5	2227.5	2249.1
40°	2490.1	2497.8	2527.2	2618.3	2765.1	2805.2	2653.9	2578.2	2493.2	2476.2	2502.5
42.5°	2721.8	2717.2	2738.8	2820.7	2927.3	2899.5	2809.9	2765.1	2704.8	2670.9	2706.4
45°	2891.8	2884.0	2924.2	2979.8	3018.4	2965.9	2925.7	2910.3	2879.4	2842.3	2874.8
47.5°	3057.0	3050.9	3089.5	3104.9	3108.0	3038.5	3046.2	3074.0	2996.8	2919.6	2956.6
50°	3197.6	3186.8	3234.7	3268.7	3260.9	3149.7	3177.5	3149.7	3029.2	2938.1	2924.2
52.5°	3432.4	3437.0	3488.0	3549.8	3531.3	3438.6	3398.4	3271.8	3117.3	3035.4	2987.5
55°	3580.7	3557.5	3645.6	3841.8	3863.4	3767.6	3590.0	3403.1	3171.4	3070.9	3058.6
56°	3441.7	3471.0	3610.1	3829.4	3940.6	3852.6	3594.6	3370.6	3115.7	2979.8	2970.5
57.5°	3087.9	3072.5	3260.9	3560.6	3863.4	3826.3	3467.9	3138.9	2842.3	2689.4	2670.9
60°	1921.7	1966.5	2131.7	2502.5	2907.2	2925.7	2570.4	2287.8	1941.7	1805.8	1838.2
62.5°	752.3	713.7	817.2	1093.7	1371.7	1433.5	1299.1	1079.8	886.7	752.3	743.0
65°	174.6	169.9	191.5	264.2	369.2	427.9	406.3	292.0	214.7	203.9	188.5
67.5°	98.9	98.9	94.2	94.2	103.5	109.7	105.0	103.5	108.1	112.8	111.2
70°	69.5	68.0	64.9	66.4	63.3	63.3	68.0	75.7	81.9	81.9	83.4
72.5°	41.7	41.7	41.7	46.3	46.3	46.3	51.0	57.2	58.7	57.2	55.6
75°	18.5	18.5	21.6	26.3	29.4	30.9	35.5	38.6	41.7	38.6	35.5
77.5°	4.6	4.6	7.7	10.8	13.9	17.0	23.2	27.8	29.4	27.8	23.2
80°	1.5	1.5	3.1	7.7	13.9	17.0	23.2	24.7	26.3	23.2	18.5
82.5°	1.5	1.5	3.1	7.7	10.8	13.9	18.5	21.6	23.2	20.1	18.5
85°	0.0	1.5	3.1	6.2	9.3	12.4	12.4	9.3	7.7	4.6	6.2
87.5°	0.0	0.0	1.5	1.5	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)