

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: P527701

Luminaire Tested: **GALN-SA2D-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527701  
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-SA2D-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1200mA 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: 8503 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

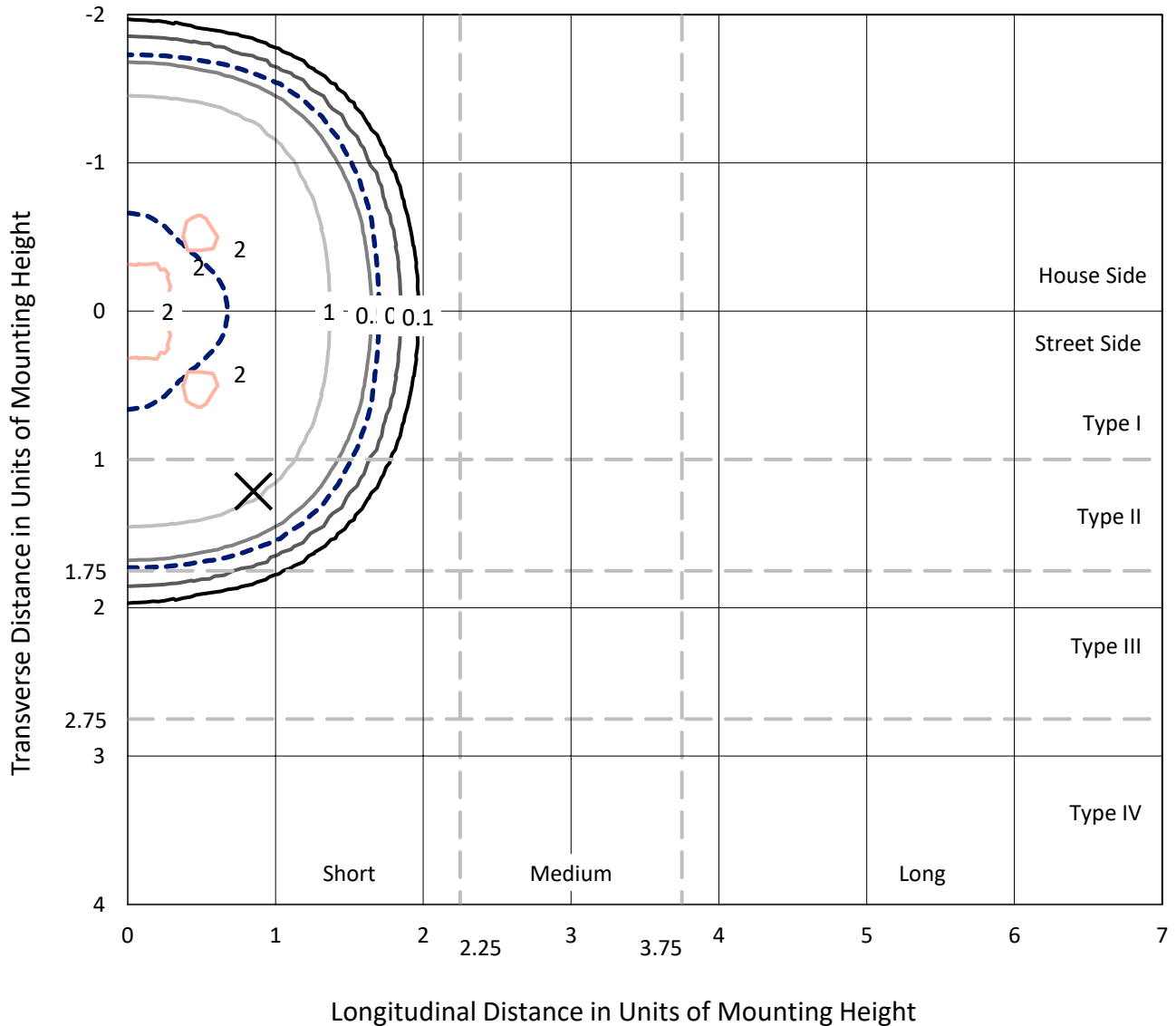
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527701  
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

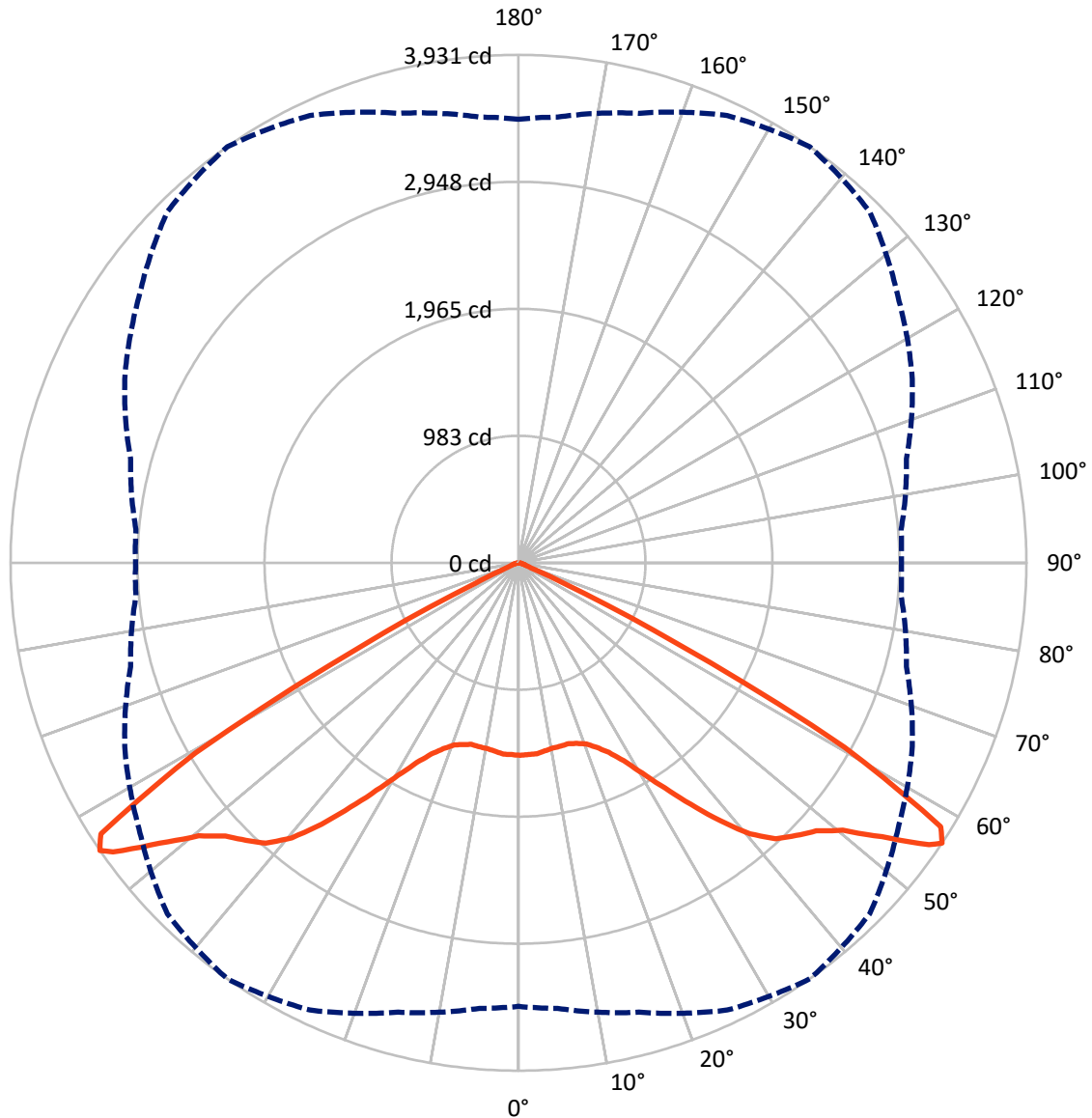
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P527701  
CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P527701  
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSBK

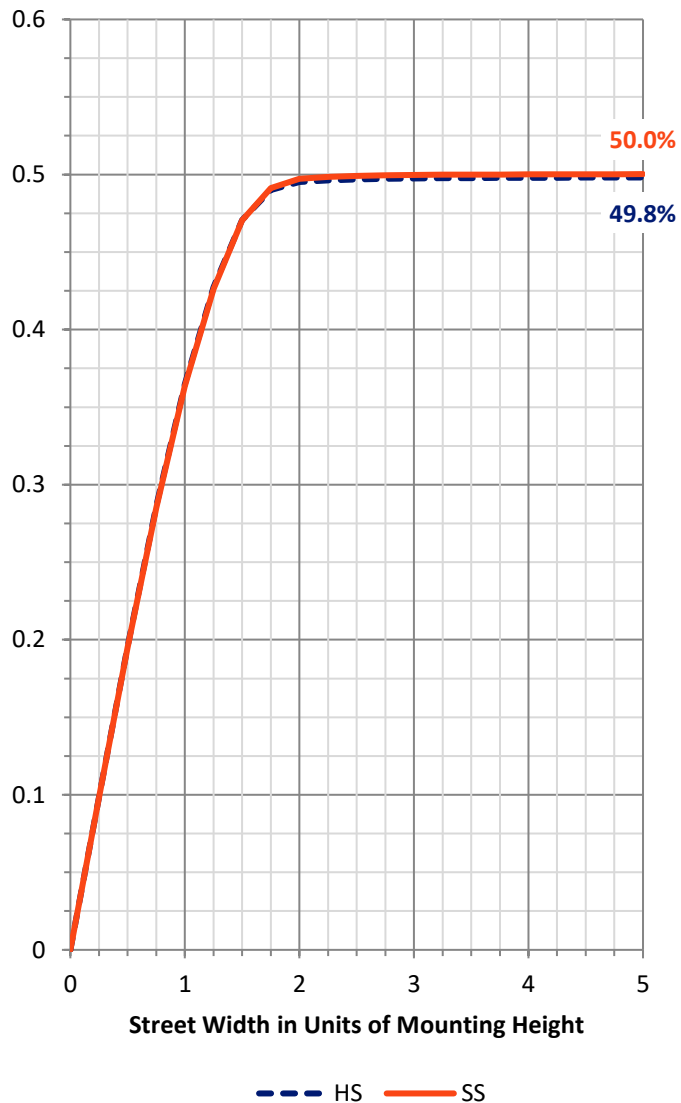
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4251.5	0.0	4251.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4251.5	0.0	4251.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8503.0	0.0	8503.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.0	1.6
10°-20°	408.8	4.8
20°-30°	740.3	8.7
30°-40°	1372.8	16.1
40°-50°	2253.3	26.5
50°-60°	2903.0	34.1
60°-70°	639.8	7.5
70°-80°	37.1	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°	8503.0	100.0
0°-180°	8503.0	100.0

**Coefficient of Utilization**

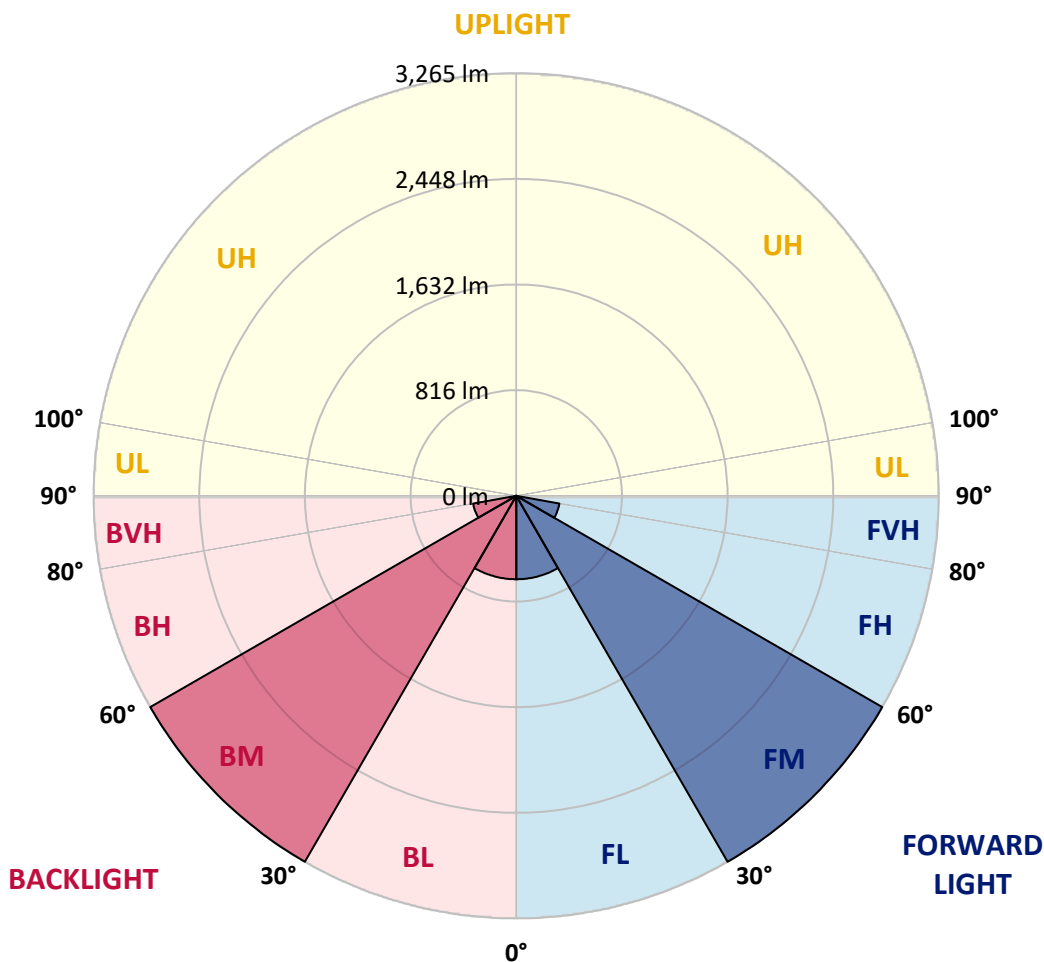


REPORT NUMBER: P527701  
 CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.6	7.6			
FM (30°-60°)	3264.6	38.4			
FH (60°-80°)	338.5	4.0			G0/660
FVH (80°-90°)	3.9	0.0			G0/10
BL (0°-30°)	644.6	7.6	B2/1000		
BM (30°-60°)	3264.6	38.4	B3/5000		
BH (60°-80°)	338.5	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





REPORT NUMBER: P527701

CATALOG NUMBER: GALN-SA2D-730-U-5MQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9	1489.9
2.5°	1493.0	1493.0	1494.5	1496.1	1485.3	1480.7	1482.2	1479.1	1477.6	1482.2	1482.2
5°	1488.4	1488.4	1483.7	1485.3	1485.3	1471.4	1471.4	1474.5	1474.5	1465.3	1462.2
7.5°	1476.0	1473.0	1466.8	1474.5	1469.9	1469.9	1459.1	1451.4	1448.3	1454.5	1448.3
10°	1449.8	1451.4	1457.6	1460.6	1457.6	1466.8	1448.3	1437.5	1426.7	1422.1	1422.1
12.5°	1437.5	1446.8	1437.5	1445.2	1456.0	1448.3	1437.5	1429.8	1414.4	1408.2	1408.2
15°	1436.0	1442.1	1445.2	1456.0	1451.4	1454.5	1432.9	1423.7	1400.5	1389.8	1385.1
17.5°	1434.4	1442.1	1446.8	1466.8	1469.9	1471.4	1454.5	1426.7	1406.7	1395.9	1385.1
20°	1451.4	1454.5	1463.7	1483.7	1496.1	1517.6	1486.8	1457.6	1414.4	1402.1	1397.5
22.5°	1473.0	1488.4	1497.6	1519.2	1551.5	1570.0	1530.0	1493.0	1448.3	1432.9	1414.4
25°	1542.3	1539.2	1554.6	1599.3	1625.5	1639.4	1607.0	1553.1	1494.5	1476.0	1479.1
27.5°	1628.6	1631.7	1645.5	1694.8	1733.3	1754.9	1716.4	1645.5	1588.5	1557.7	1554.6
30°	1741.1	1738.0	1753.4	1819.6	1889.0	1921.3	1853.5	1770.3	1714.9	1674.8	1684.0
32.5°	1859.7	1861.2	1904.4	1964.5	2076.9	2140.1	2030.7	1929.0	1845.8	1818.1	1804.2
35°	2035.3	2043.0	2076.9	2169.4	2294.2	2375.8	2255.7	2133.9	2038.4	1987.6	1993.7
37.5°	2252.6	2244.9	2301.9	2402.0	2533.0	2593.1	2491.4	2352.7	2255.7	2221.8	2243.3
40°	2483.7	2491.4	2520.7	2611.6	2757.9	2798.0	2647.0	2571.5	2486.8	2469.8	2496.0
42.5°	2714.8	2710.2	2731.8	2813.4	2919.7	2892.0	2802.6	2757.9	2697.9	2664.0	2699.4
45°	2884.3	2876.6	2916.6	2972.1	3010.6	2958.2	2918.2	2902.8	2872.0	2835.0	2867.3
47.5°	3049.2	3043.0	3081.5	3096.9	3100.0	3030.7	3038.4	3066.1	2989.1	2912.0	2949.0
50°	3189.4	3178.6	3226.3	3260.2	3252.5	3141.6	3169.3	3141.6	3021.4	2930.5	2916.6
52.5°	3423.6	3428.2	3479.0	3540.7	3522.2	3429.7	3389.7	3263.3	3109.2	3027.6	2979.8
55°	3571.5	3548.4	3636.2	3831.9	3853.4	3757.9	3580.7	3394.3	3163.2	3063.0	3050.7
56°	3432.8	3462.1	3600.7	3819.5	3930.5	3842.6	3585.3	3361.9	3107.7	2972.1	2962.9
57.5°	3080.0	3064.6	3252.5	3551.4	3853.4	3816.4	3459.0	3130.8	2835.0	2682.5	2664.0
60°	1916.7	1961.4	2126.2	2496.0	2899.7	2918.2	2563.8	2281.9	1936.7	1801.1	1833.5
62.5°	750.3	711.8	815.1	1090.9	1368.2	1429.8	1295.8	1077.0	884.4	750.3	741.1
65°	174.1	169.5	191.1	263.5	368.2	426.8	405.2	291.2	214.2	203.4	188.0
67.5°	98.6	98.6	94.0	94.0	103.2	109.4	104.8	103.2	107.9	112.5	110.9
70°	69.3	67.8	64.7	66.3	63.2	63.2	67.8	75.5	81.7	81.7	83.2
72.5°	41.6	41.6	41.6	46.2	46.2	46.2	50.8	57.0	58.5	57.0	55.5
75°	18.5	18.5	21.6	26.2	29.3	30.8	35.4	38.5	41.6	38.5	35.4
77.5°	4.6	4.6	7.7	10.8	13.9	16.9	23.1	27.7	29.3	27.7	23.1
80°	1.5	1.5	3.1	7.7	13.9	16.9	23.1	24.7	26.2	23.1	18.5
82.5°	1.5	1.5	3.1	7.7	10.8	13.9	18.5	21.6	23.1	20.0	18.5
85°	0.0	1.5	3.1	6.2	9.2	12.3	12.3	9.2	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)