

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: P450888

Luminaire Tested: **GALN-SA1D-727-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6851 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

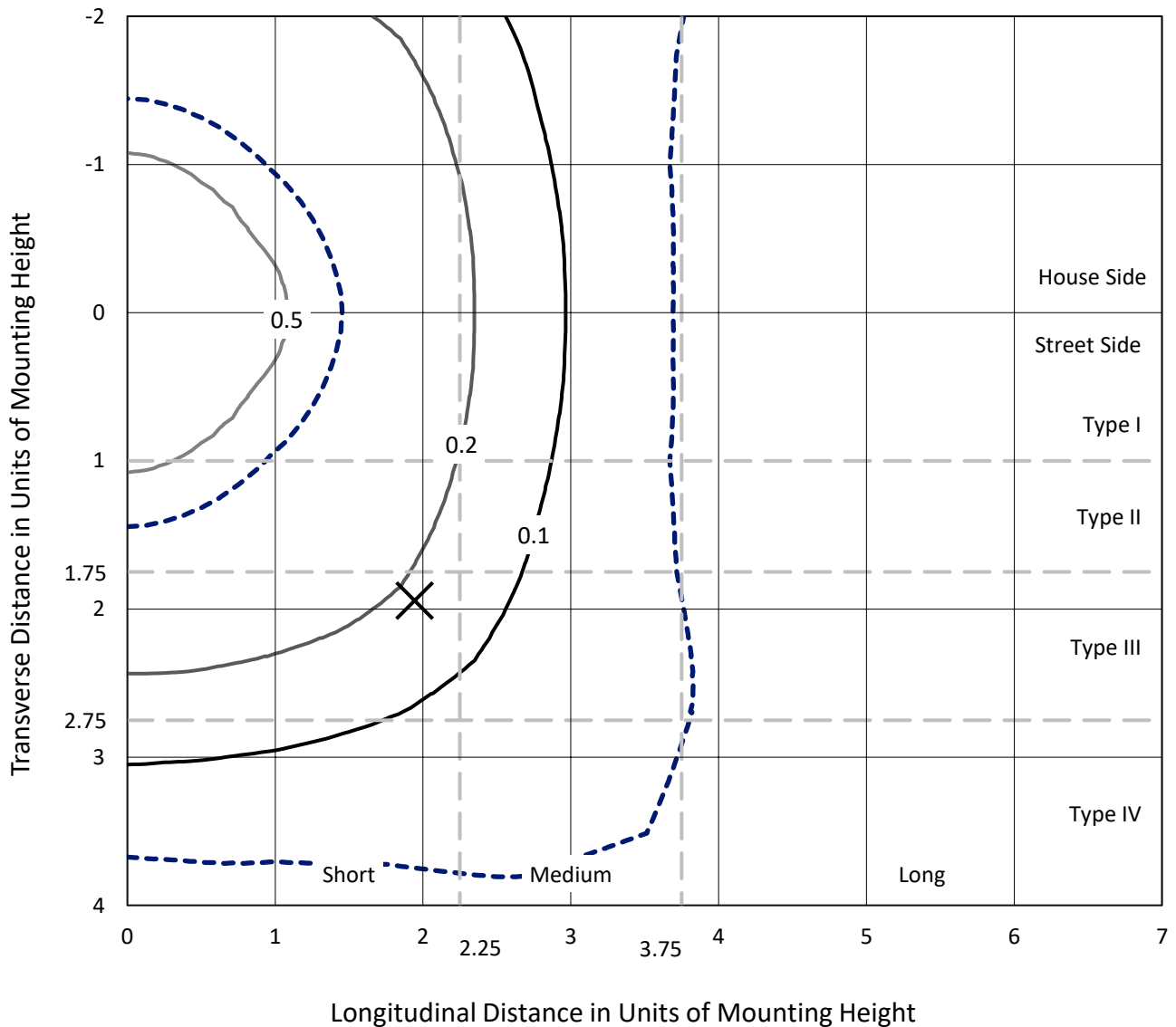
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

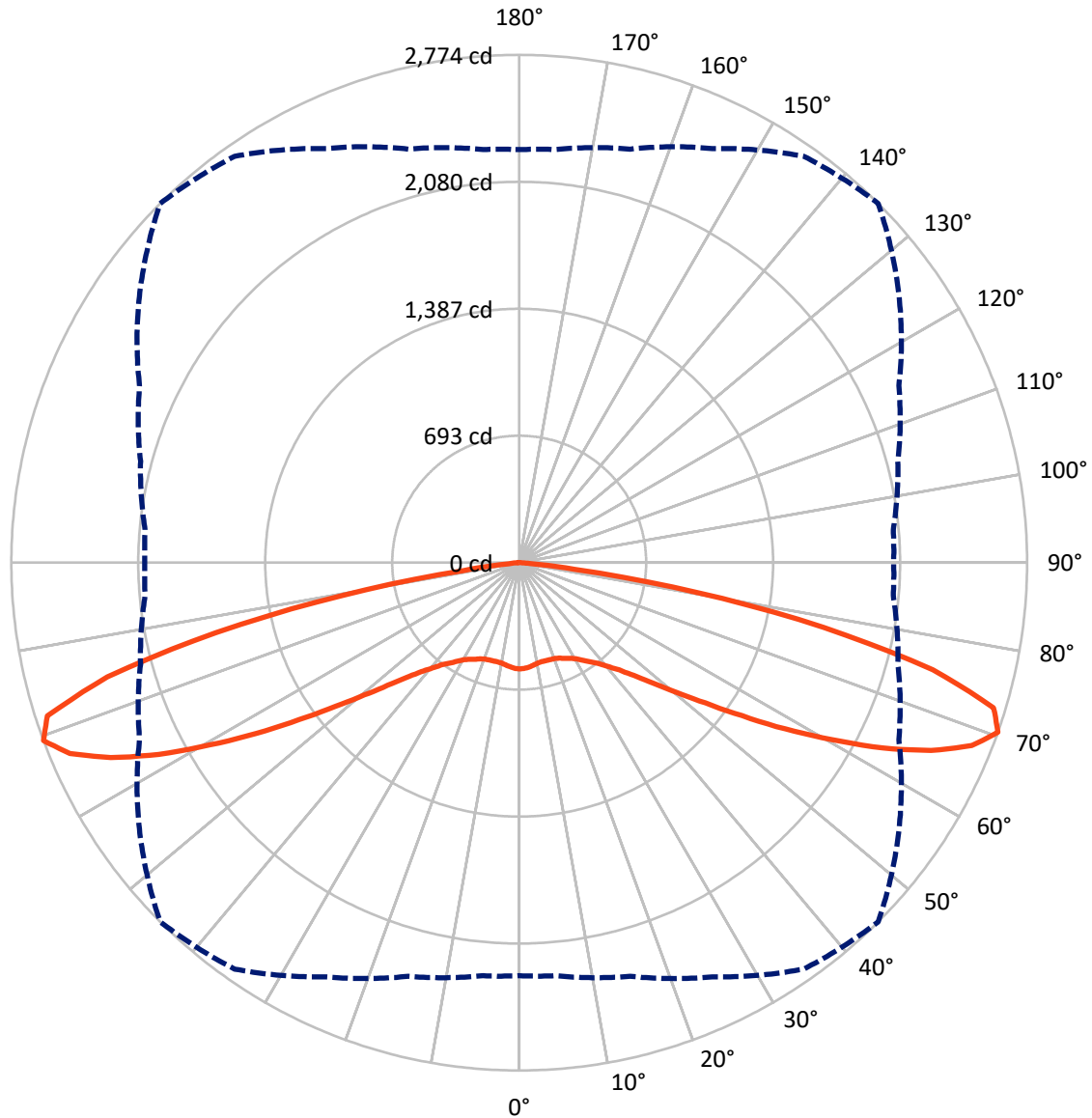
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3425.5	0.0	3425.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3425.5	0.0	3425.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6851.0	0.0	6851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	0.8
10°-20°	158.8	2.3
20°-30°	270.6	3.9
30°-40°	419.4	6.1
40°-50°	705.8	10.3
50°-60°	1284.3	18.7
60°-70°	2174.2	31.7
70°-80°	1682.9	24.6
80°-90°	100.8	1.5
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°	6851.0	100.0
0°-180°	6851.0	100.0

Coefficient of Utilization



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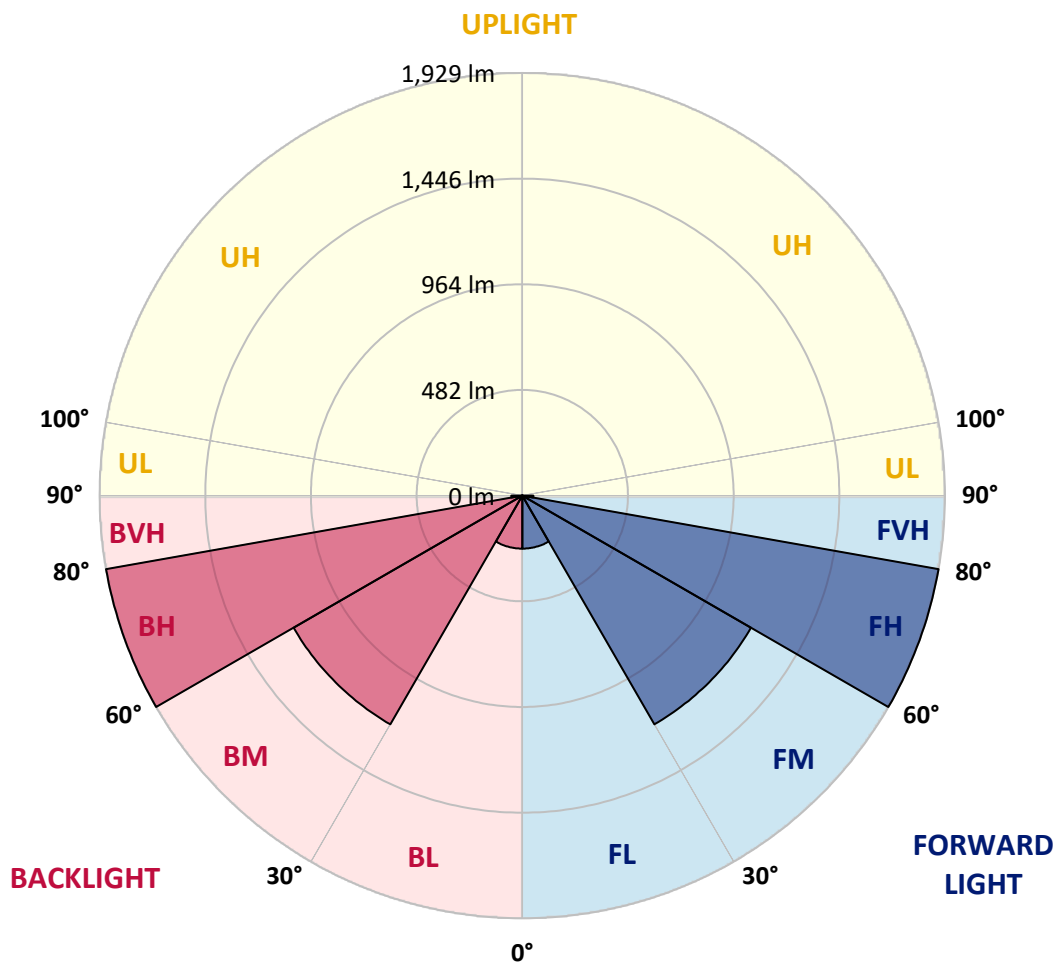
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.8	3.5			
FM (30°-60°)	1204.7	17.6			
FH (60°-80°)	1928.6	28.1			G2/5000
FVH (80°-90°)	50.4	0.7			G1/100
BL (0°-30°)	241.8	3.5	B1/500		
BM (30°-60°)	1204.7	17.6	B2/2500		
BH (60°-80°)	1928.6	28.1	B3/2500		G2/5000
BVH (80°-90°)	50.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
2.5°	578.6	578.9	578.9	578.2	577.9	577.9	577.5	577.5	578.6	578.9	579.3
5°	573.5	573.5	573.5	573.1	572.4	572.4	571.7	571.7	572.1	573.1	572.4
7.5°	566.6	567.4	567.4	565.9	564.8	564.8	564.5	564.8	565.2	566.3	565.9
10°	564.5	564.8	563.0	560.5	558.7	557.6	557.9	558.7	560.5	561.2	561.6
12.5°	565.9	565.9	562.7	559.0	555.8	554.3	554.0	556.5	559.8	561.9	562.7
15°	567.7	567.0	563.0	558.3	555.1	554.7	554.3	556.1	560.8	565.2	565.5
17.5°	568.8	568.4	563.4	557.6	555.8	555.8	555.4	556.9	561.9	567.4	567.7
20°	572.4	571.3	565.5	559.4	557.9	558.7	557.6	559.4	564.8	571.3	572.8
22.5°	579.7	578.6	572.8	566.6	565.9	565.9	565.5	567.4	573.1	580.0	581.1
25°	588.3	587.3	581.8	577.5	578.2	579.7	578.9	579.3	584.0	589.8	591.6
27.5°	599.9	598.1	593.4	589.8	592.0	592.0	592.0	591.6	594.5	599.9	601.7
30°	614.0	613.3	608.2	607.9	609.7	607.9	607.9	608.2	608.6	613.7	615.5
32.5°	632.5	631.0	628.5	627.8	632.8	634.3	629.2	624.5	627.1	632.1	633.2
35°	662.9	660.7	657.1	653.1	657.1	664.0	653.1	649.5	656.0	662.9	663.6
37.5°	704.1	703.0	697.3	690.0	689.7	696.9	685.7	685.3	697.6	705.9	707.0
40°	755.9	757.0	749.7	742.8	739.2	745.0	736.3	739.6	751.5	760.9	760.2
42.5°	828.6	824.6	813.4	806.9	802.9	800.7	798.6	803.6	817.0	827.2	835.1
45°	913.6	912.2	898.1	890.1	881.4	878.2	877.4	886.5	902.8	915.1	916.2
47.5°	1009.9	1006.6	997.6	989.3	986.0	982.0	978.4	985.3	1001.6	1010.2	1012.8
50°	1109.0	1109.7	1109.7	1108.3	1111.6	1112.3	1102.5	1105.0	1114.1	1113.4	1112.6
52.5°	1222.3	1226.3	1245.1	1246.9	1262.4	1272.9	1255.2	1244.7	1241.5	1221.9	1223.4
55°	1355.4	1359.1	1387.3	1415.5	1457.5	1475.2	1437.9	1405.4	1382.2	1352.5	1354.0
57.5°	1521.5	1523.3	1550.1	1604.4	1671.0	1712.6	1647.1	1582.7	1535.6	1507.4	1496.2
60°	1700.3	1702.1	1741.1	1807.4	1910.8	1961.5	1880.5	1775.2	1715.8	1672.8	1675.7
62.5°	1914.8	1922.1	1957.2	2048.3	2173.9	2230.7	2123.2	1982.5	1902.2	1848.6	1850.8
65°	2144.6	2156.9	2195.3	2295.5	2411.3	2472.4	2340.7	2178.2	2078.4	2012.9	2019.8
67.5°	2293.7	2304.5	2359.9	2470.6	2615.0	2665.6	2495.6	2306.3	2181.5	2103.3	2088.9
70°	2255.7	2264.7	2338.5	2495.6	2709.4	2773.5	2532.5	2287.5	2140.6	2050.5	2044.7
72.5°	1991.2	1972.4	2080.2	2305.6	2601.6	2709.1	2416.3	2089.2	1904.3	1811.7	1800.9
75°	1319.6	1360.5	1519.7	1785.3	2201.0	2334.2	2062.5	1677.5	1444.8	1367.7	1355.8
77.5°	441.1	472.6	614.0	1012.1	1500.5	1700.6	1502.7	1097.1	776.1	625.3	628.1
80°	116.9	115.4	149.4	278.3	648.4	984.9	754.8	371.6	203.4	147.3	139.7
82.5°	42.0	47.0	60.4	77.1	171.9	306.1	216.0	104.2	76.3	56.4	54.6
85°	18.5	18.1	26.1	30.8	43.1	57.2	50.7	44.1	38.7	25.7	23.9
87.5°	4.0	4.0	6.2	4.7	7.6	7.6	9.4	11.2	11.6	7.6	6.2
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)