

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: P450685

Luminaire Tested: **GALN-SA1C-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450685
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-SA1C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6781 lumens
Efficiency: N/A
Efficacy: 119.0 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

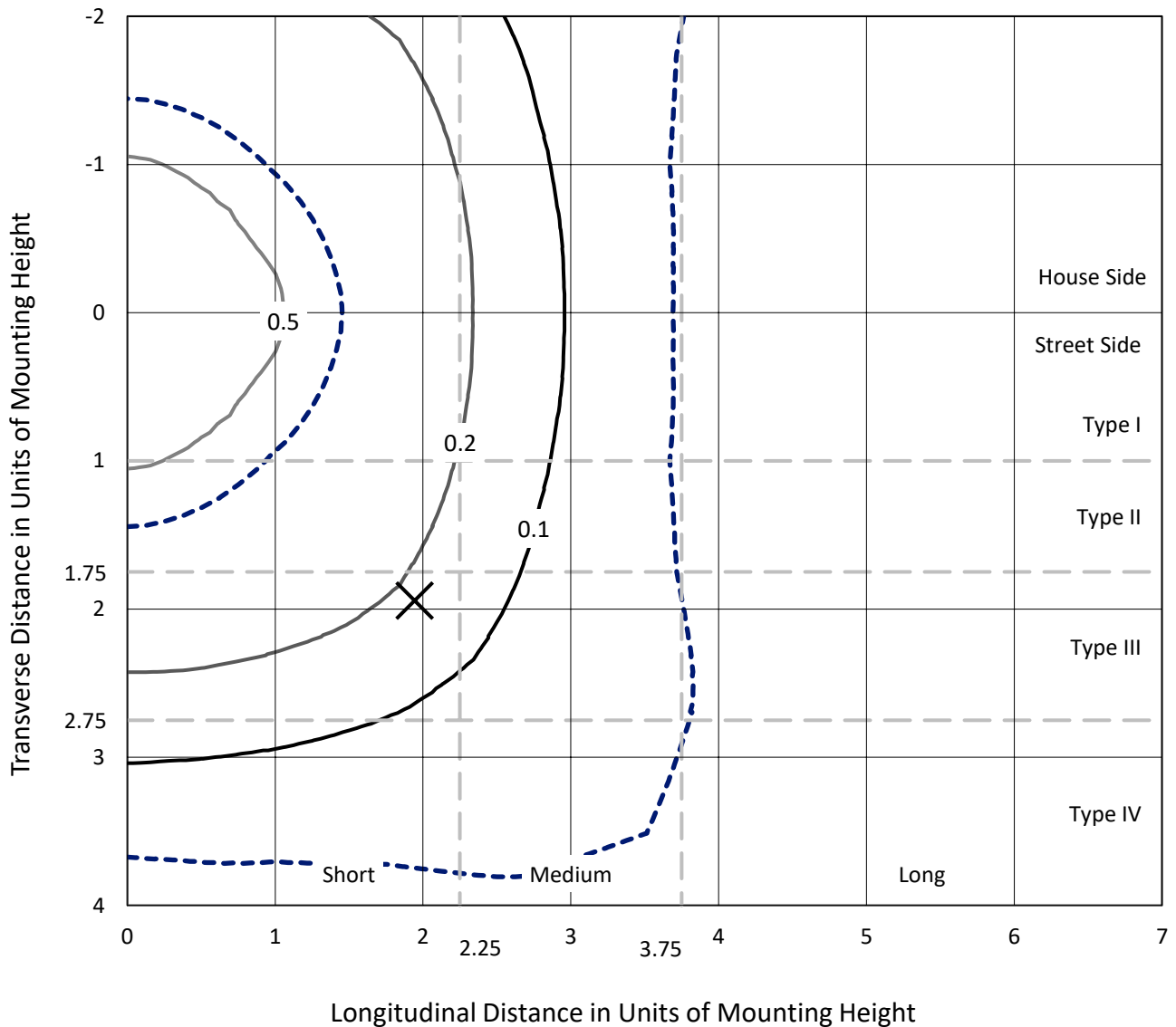
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

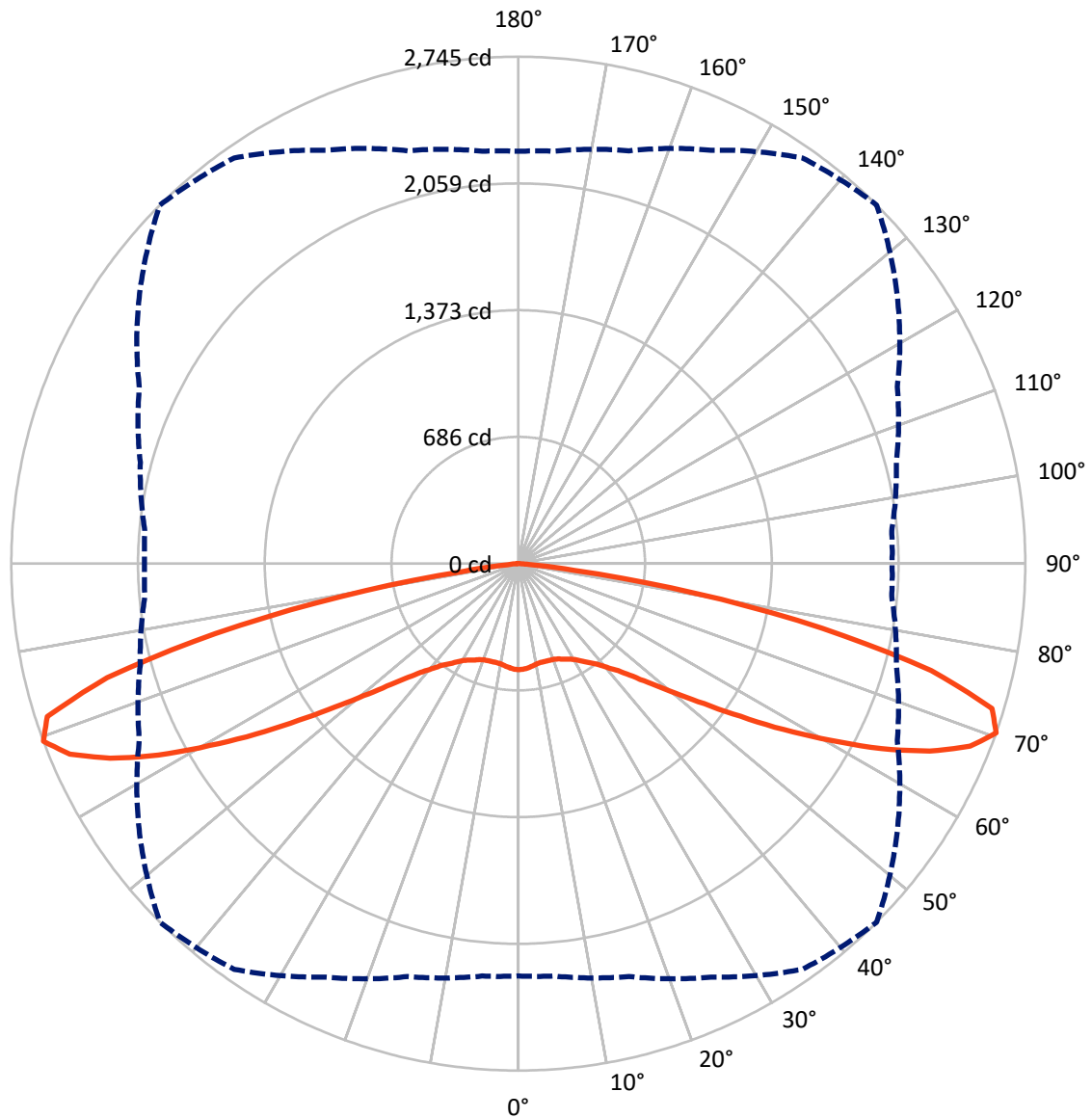
× Max cd
 - - - 1/2 Max cd



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	3390.5	0.0	3390.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3390.5	0.0	3390.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6781.0	0.0	6781.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	0.8
10°-20°	157.2	2.3
20°-30°	267.8	3.9
30°-40°	415.1	6.1
40°-50°	698.6	10.3
50°-60°	1271.1	18.7
60°-70°	2152.0	31.7
70°-80°	1665.7	24.6
80°-90°	99.8	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°	6781.0	100.0
0°-180°	6781.0	100.0



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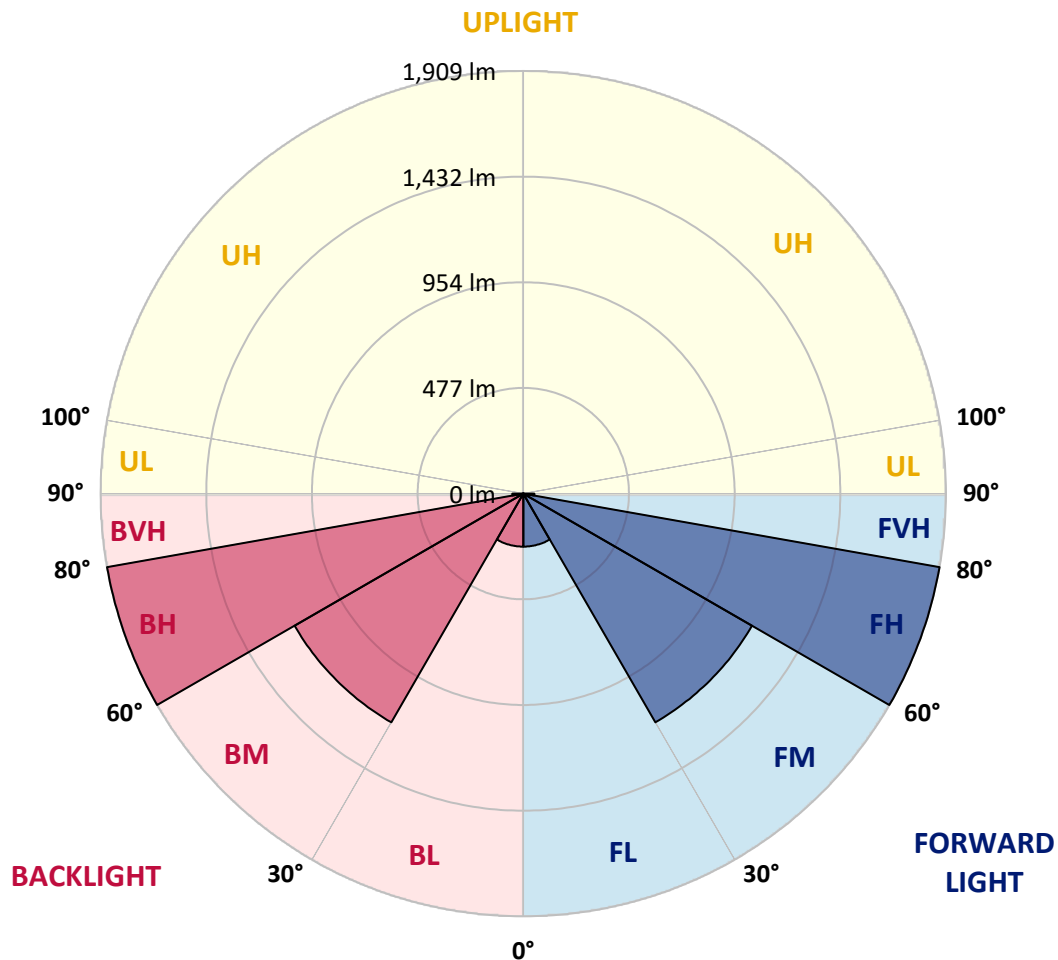
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.3	3.5			
FM (30°-60°)	1192.4	17.6			
FH (60°-80°)	1908.9	28.1			G2/5000
FVH (80°-90°)	49.9	0.7			G1/100
BL (0°-30°)	239.3	3.5	B1/500		
BM (30°-60°)	1192.4	17.6	B2/2500		
BH (60°-80°)	1908.9	28.1	B3/2500		G2/5000
BVH (80°-90°)	49.9	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°	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1	574.1
2.5°	572.7	573.0	573.0	572.3	571.9	571.9	571.6	571.6	572.7	573.0	573.4
5°	567.6	567.6	567.6	567.3	566.6	566.6	565.9	565.9	566.2	567.3	566.6
7.5°	560.8	561.6	561.6	560.1	559.1	559.1	558.7	559.1	559.4	560.5	560.1
10°	558.7	559.1	557.3	554.8	553.0	551.9	552.2	553.0	554.8	555.5	555.8
12.5°	560.1	560.1	556.9	553.3	550.1	548.7	548.3	550.8	554.0	556.2	556.9
15°	561.9	561.2	557.3	552.6	549.4	549.0	548.7	550.5	555.1	559.4	559.8
17.5°	563.0	562.6	557.6	551.9	550.1	550.1	549.7	551.2	556.2	561.6	561.9
20°	566.6	565.5	559.8	553.7	552.2	553.0	551.9	553.7	559.1	565.5	566.9
22.5°	573.7	572.7	566.9	560.8	560.1	560.1	559.8	561.6	567.3	574.1	575.2
25°	582.3	581.3	575.9	571.6	572.3	573.7	573.0	573.4	578.0	583.8	585.6
27.5°	593.8	592.0	587.3	583.8	585.9	585.9	585.9	585.6	588.4	593.8	595.6
30°	607.8	607.0	602.0	601.7	603.5	601.7	601.7	602.0	602.4	607.4	609.2
32.5°	626.0	624.6	622.1	621.4	626.4	627.8	622.8	618.1	620.7	625.7	626.7
35°	656.1	654.0	650.4	646.4	650.4	657.2	646.4	642.9	649.3	656.1	656.8
37.5°	696.9	695.9	690.1	683.0	682.6	689.8	678.7	678.3	690.5	698.7	699.8
40°	748.1	749.2	742.1	735.3	731.7	737.4	728.8	732.0	743.9	753.2	752.4
42.5°	820.1	816.2	805.1	798.6	794.7	792.6	790.4	795.4	808.7	818.7	826.6
45°	904.3	902.9	888.9	881.0	872.4	869.2	868.5	877.4	893.6	905.7	906.8
47.5°	999.6	996.3	987.4	979.1	975.9	972.0	968.4	975.2	991.3	999.9	1002.4
50°	1097.7	1098.4	1098.4	1097.0	1100.2	1100.9	1091.2	1093.8	1102.7	1102.0	1101.3
52.5°	1209.8	1213.7	1232.4	1234.1	1249.5	1259.9	1242.4	1232.0	1228.8	1209.4	1210.9
55°	1341.6	1345.2	1373.1	1401.0	1442.6	1460.1	1423.2	1391.0	1368.1	1338.7	1340.2
57.5°	1506.0	1507.8	1534.3	1588.0	1653.9	1695.1	1630.2	1566.5	1519.9	1492.0	1480.9
60°	1682.9	1684.7	1723.4	1788.9	1891.3	1941.5	1861.2	1757.0	1698.3	1655.7	1658.5
62.5°	1895.3	1902.4	1937.2	2027.4	2151.7	2207.9	2101.6	1962.2	1882.7	1829.7	1831.9
65°	2122.7	2134.9	2172.8	2272.0	2386.6	2447.2	2316.8	2156.0	2057.1	1992.3	1999.1
67.5°	2270.2	2281.0	2335.8	2445.4	2588.3	2638.4	2470.1	2282.8	2159.2	2081.9	2067.5
70°	2232.6	2241.6	2314.6	2470.1	2681.7	2745.1	2506.6	2264.1	2118.7	2029.6	2023.8
72.5°	1970.8	1952.2	2058.9	2282.1	2575.0	2681.4	2391.6	2067.9	1884.9	1793.2	1782.5
75°	1306.1	1346.6	1504.2	1767.1	2178.6	2310.3	2041.4	1660.3	1430.0	1353.8	1341.9
77.5°	436.6	467.7	607.8	1001.7	1485.2	1683.2	1487.3	1085.9	768.2	618.9	621.7
80°	115.7	114.2	147.9	275.4	641.8	974.9	747.1	367.8	201.3	145.8	138.2
82.5°	41.5	46.6	59.8	76.3	170.1	303.0	213.8	103.1	75.6	55.9	54.1
85°	18.3	17.9	25.8	30.4	42.6	56.6	50.1	43.7	38.3	25.4	23.6
87.5°	3.9	3.9	6.1	4.7	7.5	7.5	9.3	11.1	11.5	7.5	6.1
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)