

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: STREETWORKS

Report Number: P316455

Luminaire Tested: **GAN-SA1D-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7773 lumens
Efficiency: N/A
Efficacy: 116.0 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

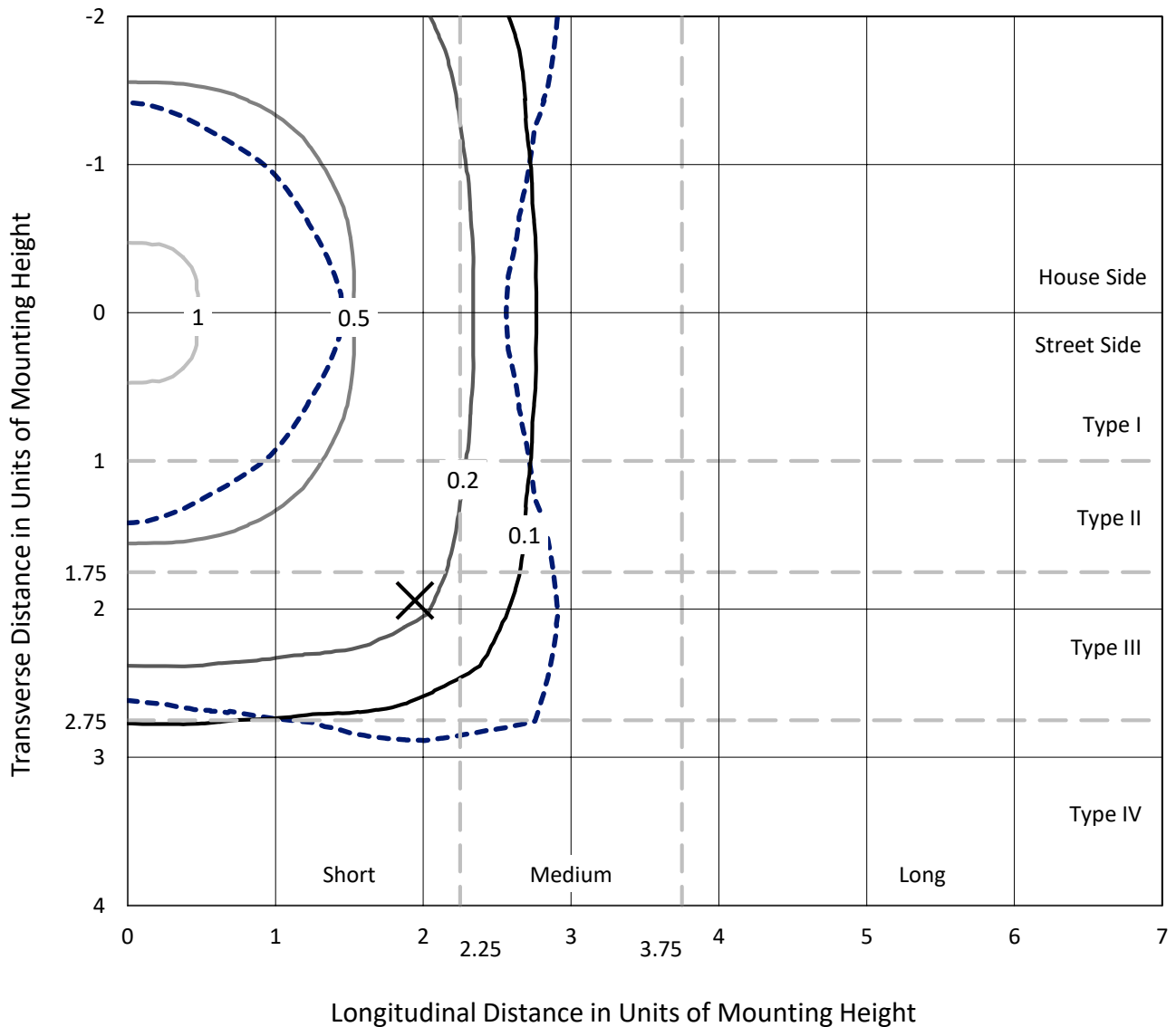
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

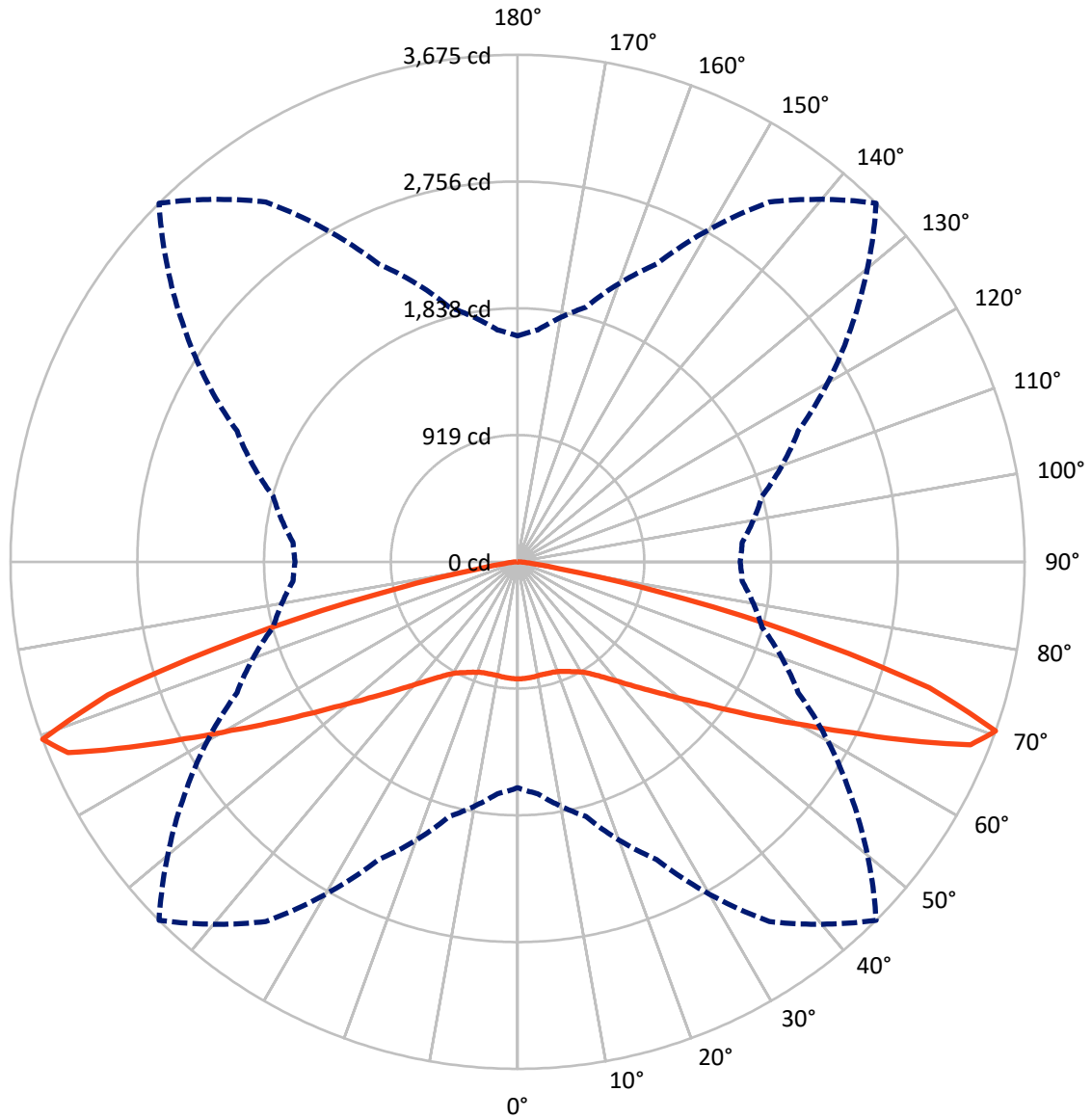
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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CATALOG NUMBER: GAN-SA1D-730-U-5MQ

Luminous Intensity Polar Plot



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

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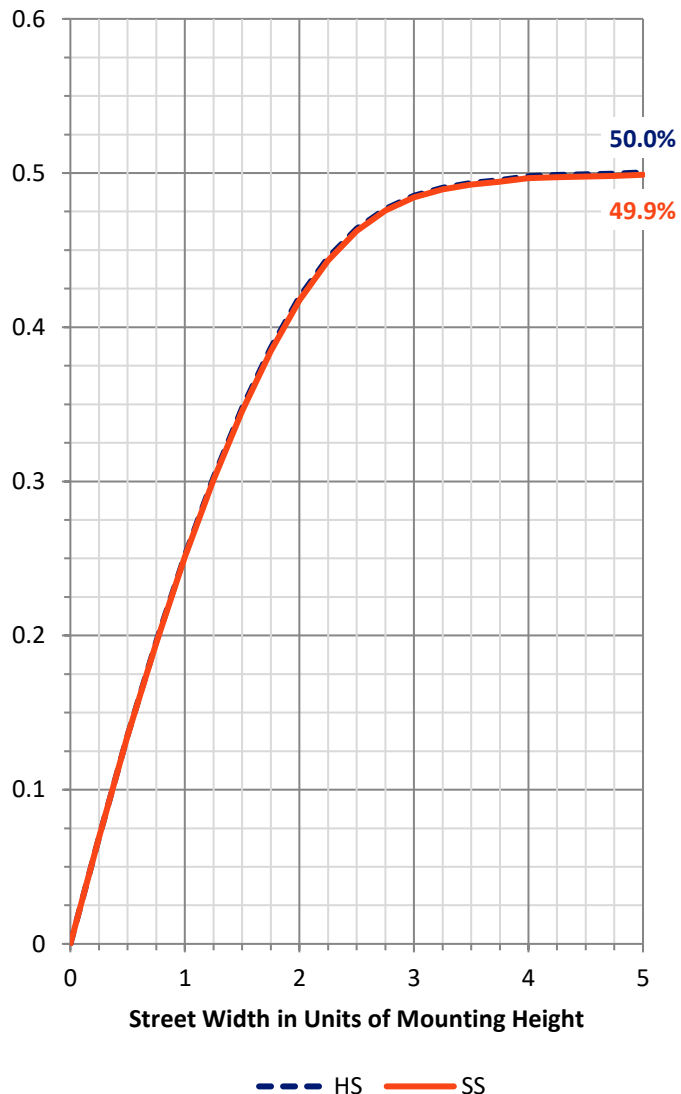
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3886.5	0.0	3886.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3886.5	0.0	3886.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7773.0	0.0	7773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.0
10°-20°	236.0	3.0
20°-30°	401.8	5.2
30°-40°	637.3	8.2
40°-50°	1037.1	13.3
50°-60°	1709.9	22.0
60°-70°	2510.2	32.3
70°-80°	1110.0	14.3
80°-90°	50.3	0.6
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°	7773.0	100.0
0°-180°	7773.0	100.0

Coefficient of Utilization

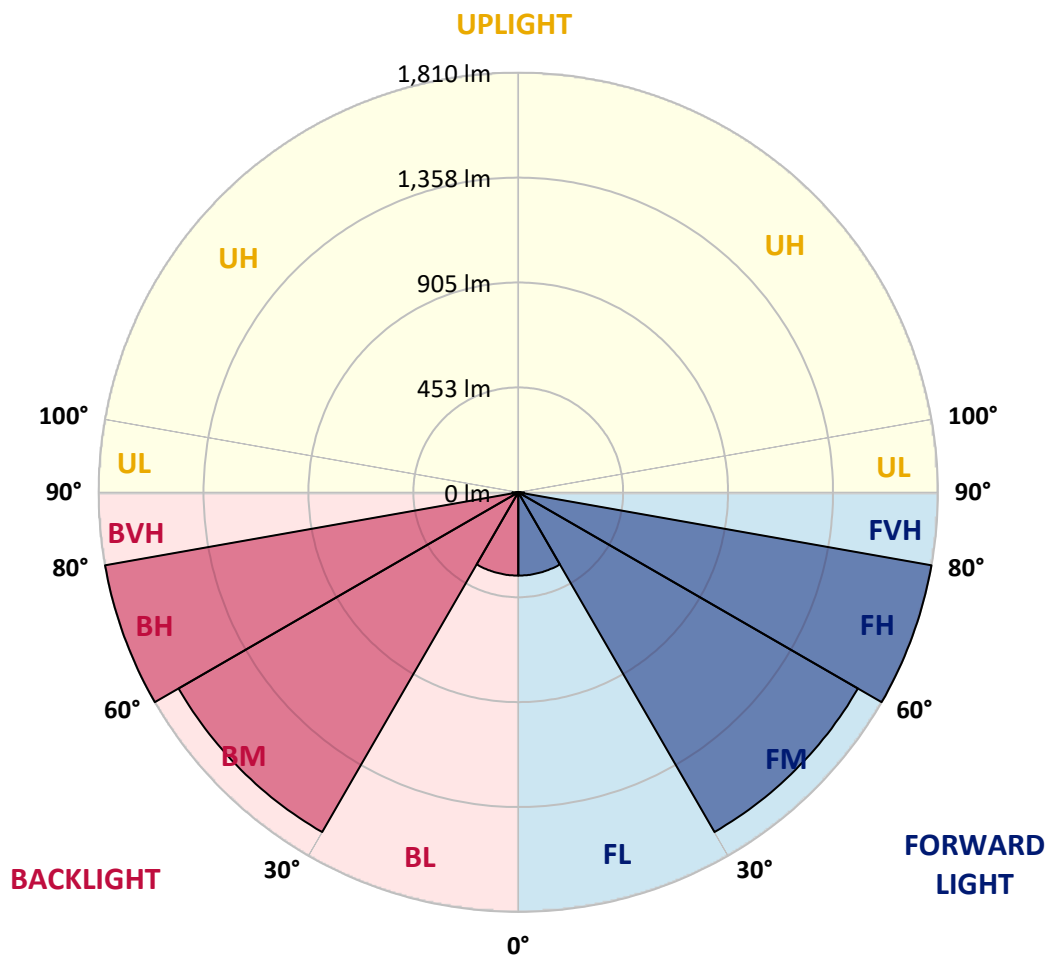


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.1	4.6			
FM (30°-60°)	1692.1	21.8			
FH (60°-80°)	1810.1	23.3			G2/5000
FVH (80°-90°)	25.1	0.3			G1/100
BL (0°-30°)	359.1	4.6	B1/500		
BM (30°-60°)	1692.1	21.8	B2/2500		
BH (60°-80°)	1810.1	23.3	B3/2500		G2/5000
BVH (80°-90°)	25.1	0.3			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°	848.9	848.9	848.9	848.9	848.9	848.9	848.9	848.9	848.9	848.9	848.9
2.5°	847.6	846.9	848.7	848.4	846.9	847.1	847.1	847.9	847.9	847.4	847.4
5°	844.6	844.0	846.1	846.1	844.6	845.1	845.6	846.4	846.1	845.6	845.3
7.5°	840.7	840.4	842.5	842.5	841.5	842.0	841.5	841.7	841.2	840.7	839.9
10°	834.3	834.8	836.6	837.1	837.1	837.4	836.8	835.6	834.8	834.0	833.2
12.5°	828.4	828.1	830.7	832.0	834.0	836.3	834.8	831.2	829.6	828.1	827.6
15°	824.5	824.8	827.3	829.6	833.2	838.1	836.3	830.7	827.6	825.8	825.3
17.5°	823.7	824.2	827.6	831.7	835.6	841.0	839.9	834.3	829.1	825.8	825.0
20°	825.5	825.8	830.9	836.8	843.5	848.7	846.4	840.2	833.2	828.1	826.8
22.5°	828.9	829.9	836.3	845.6	855.9	862.8	860.0	849.4	838.6	832.2	830.4
25°	839.4	839.7	848.4	861.0	873.4	881.3	878.0	863.1	849.2	842.0	839.7
27.5°	861.3	862.1	870.8	885.5	896.0	901.2	899.1	887.0	875.2	867.5	868.2
30°	892.9	894.0	903.7	919.9	926.4	927.7	927.1	921.5	910.7	900.4	901.2
32.5°	931.5	932.0	945.1	959.8	965.0	966.0	965.0	959.8	946.9	933.1	933.8
35°	981.2	982.7	995.3	1009.5	1013.6	1015.6	1013.8	1007.1	993.8	980.1	979.6
37.5°	1042.4	1042.6	1055.8	1070.4	1075.6	1076.1	1074.0	1069.7	1052.9	1040.6	1039.8
40°	1113.4	1114.4	1129.9	1145.5	1147.6	1145.3	1148.1	1145.5	1128.3	1114.2	1116.5
42.5°	1199.8	1202.1	1220.7	1236.1	1230.2	1228.9	1230.7	1231.5	1217.6	1200.3	1198.8
45°	1300.4	1302.5	1325.6	1338.0	1334.1	1325.6	1329.2	1335.4	1316.1	1294.8	1296.8
47.5°	1415.1	1420.3	1445.0	1456.6	1447.0	1435.5	1442.4	1451.7	1429.0	1402.5	1401.3
50°	1542.7	1549.2	1582.1	1598.3	1588.8	1567.4	1579.0	1585.2	1552.5	1518.3	1515.5
52.5°	1678.8	1685.3	1726.7	1760.1	1753.9	1720.8	1737.0	1730.5	1693.0	1646.9	1643.3
55°	1832.9	1835.5	1880.3	1934.3	1940.5	1916.0	1915.0	1904.4	1848.9	1795.6	1793.0
57.5°	1991.4	1993.2	2051.1	2114.9	2143.9	2143.9	2115.1	2092.7	2018.9	1957.2	1950.7
60°	2162.5	2168.9	2232.9	2319.6	2387.6	2407.6	2356.7	2295.7	2215.5	2140.1	2132.6
62.5°	2314.8	2322.2	2420.2	2549.4	2658.4	2731.5	2607.0	2507.7	2361.6	2240.7	2226.5
65°	2334.1	2354.1	2496.9	2730.7	2974.9	3120.7	2882.0	2637.4	2371.1	2203.1	2188.7
67.5°	2131.6	2165.5	2358.5	2722.5	3227.0	3540.0	3057.7	2563.3	2200.3	2014.5	1998.6
70°	1637.9	1687.3	1909.8	2381.4	3183.5	3675.1	2947.6	2244.0	1834.5	1634.6	1612.2
72.5°	898.6	918.9	1119.0	1630.7	2552.2	3123.0	2458.6	1659.3	1216.5	989.9	952.3
75°	285.0	292.2	394.1	667.3	1443.7	2068.6	1561.8	814.5	448.4	330.6	326.7
77.5°	126.6	127.3	142.5	194.7	497.3	1048.0	597.3	221.8	152.8	133.5	137.9
80°	80.0	80.0	88.2	96.5	135.3	304.3	161.6	105.5	90.0	83.6	85.4
82.5°	38.3	42.4	57.4	61.7	74.3	102.4	82.8	68.9	60.2	44.8	41.7
85°	25.2	21.1	36.3	40.9	43.2	49.1	48.1	45.5	39.4	22.4	25.0
87.5°	11.3	10.8	18.8	17.2	16.2	12.3	18.5	22.9	22.1	11.1	11.1
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)