

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: P382908

Luminaire Tested: **GAN-SA2D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15578.3 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

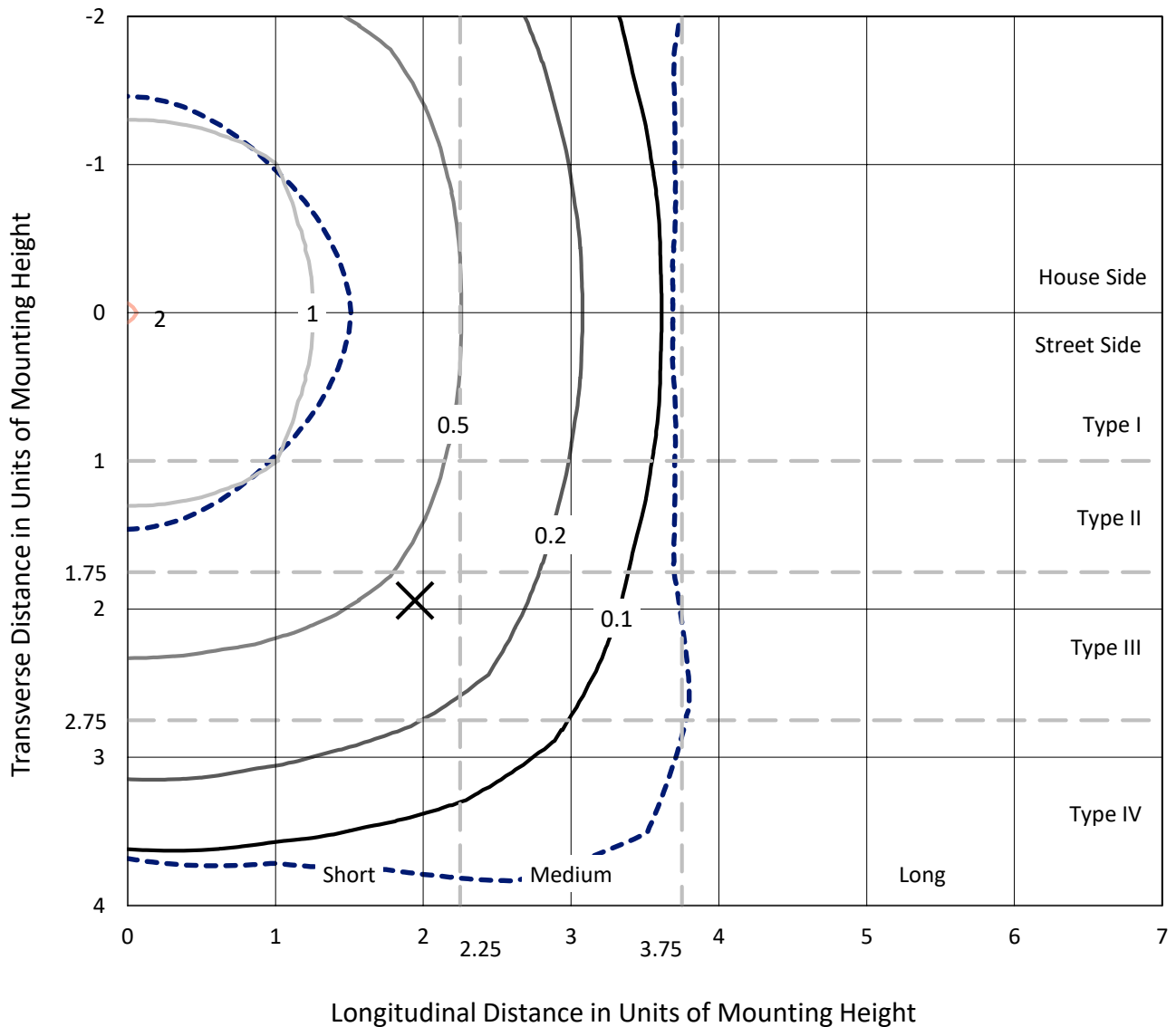
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

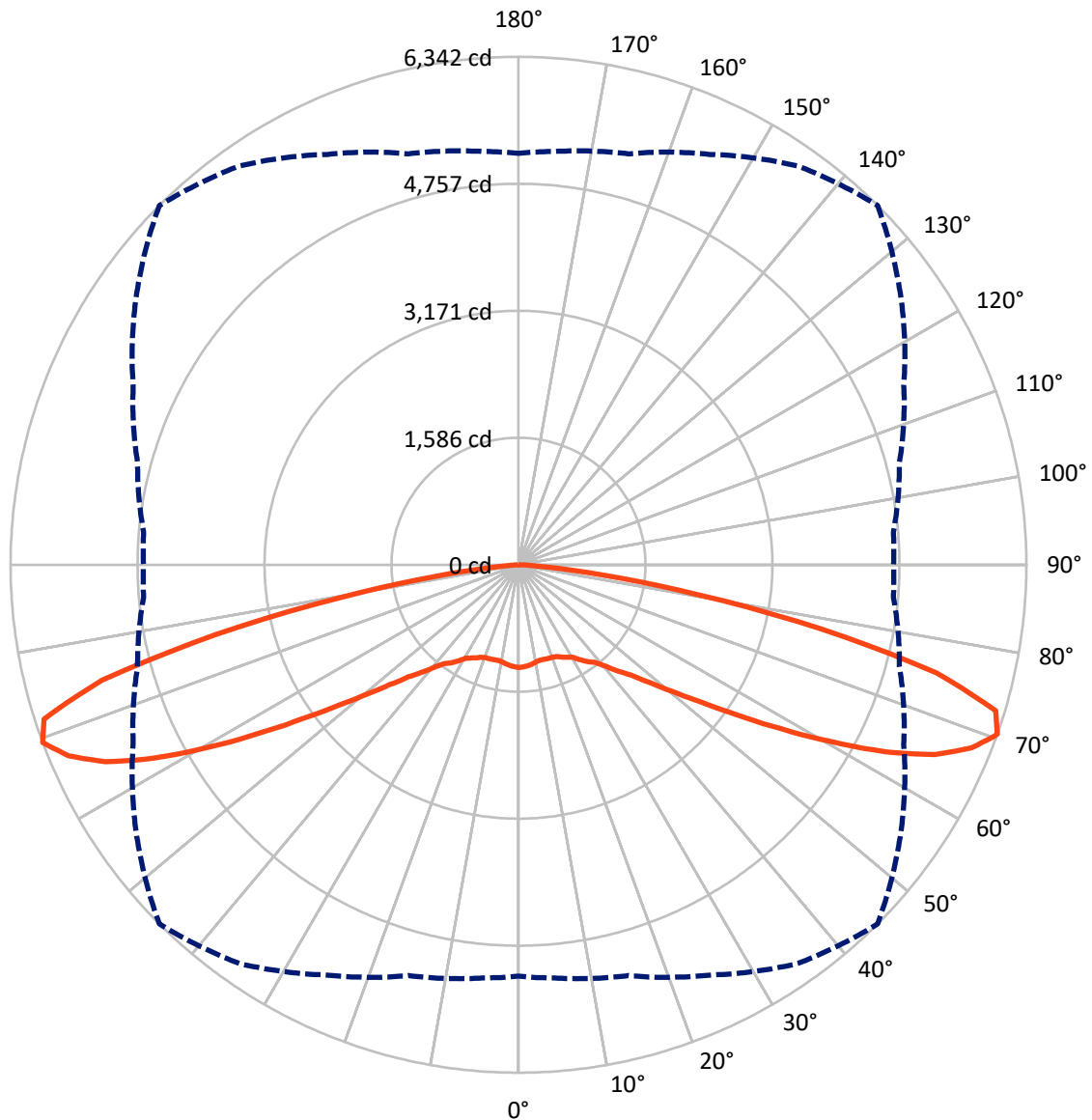
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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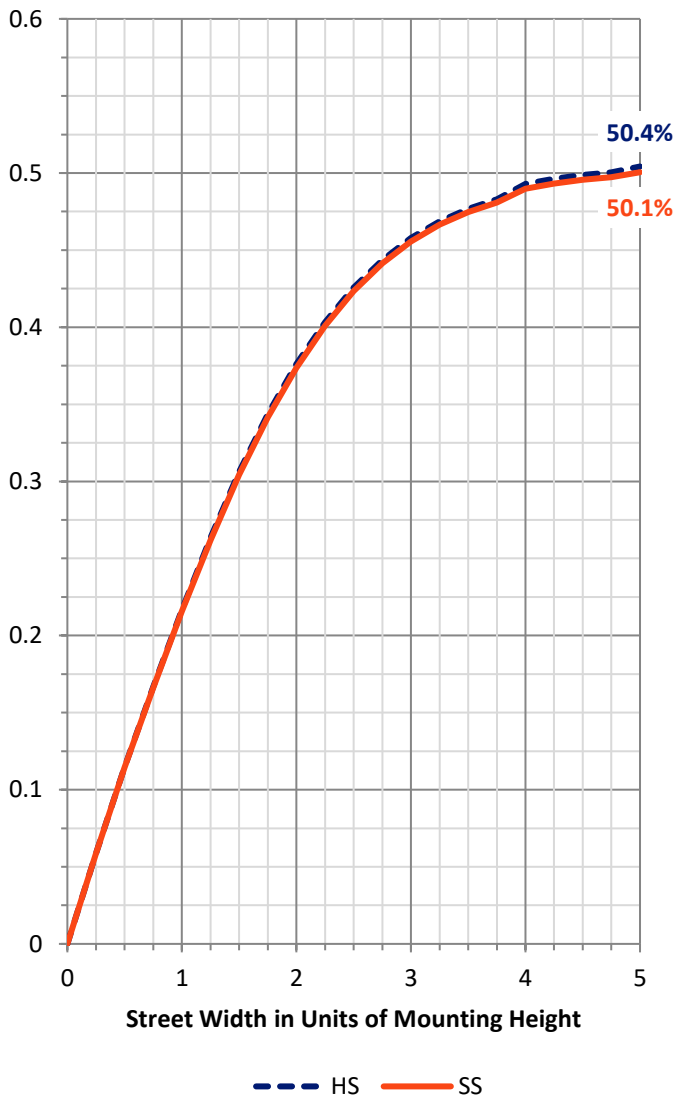
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7789.1	0.0	7789.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7789.1	0.0	7789.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15578.3	0.0	15578.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	0.8
10°-20°	349.5	2.2
20°-30°	595.9	3.8
30°-40°	931.2	6.0
40°-50°	1578.1	10.1
50°-60°	2877.9	18.5
60°-70°	4954.5	31.8
70°-80°	3883.5	24.9
80°-90°	288.0	1.8
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°	15578.3	100.0
0°-180°	15578.3	100.0



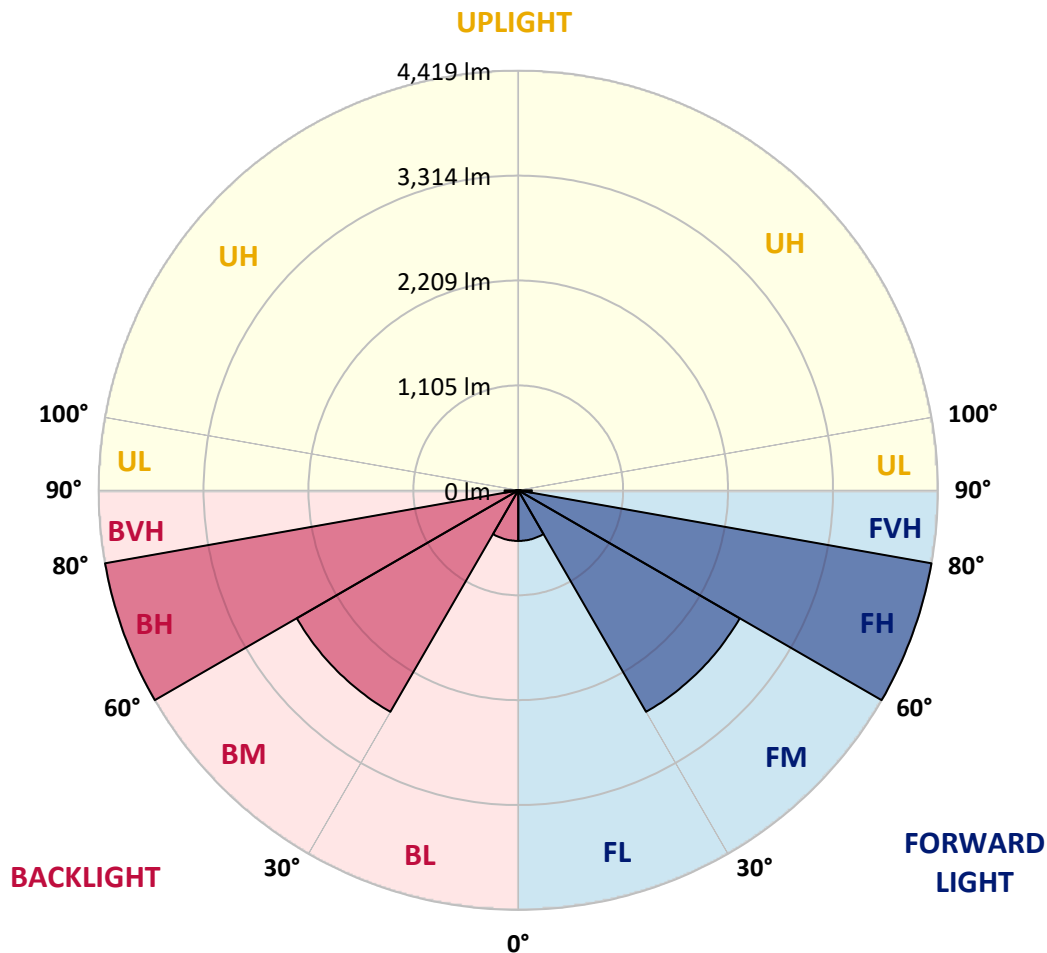
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.6	3.4			
FM (30°-60°)	2693.6	17.3			
FH (60°-80°)	4419.0	28.4			G2/5000
FVH (80°-90°)	144.0	0.9			G2/225
BL (0°-30°)	532.6	3.4	B2/1000		
BM (30°-60°)	2693.6	17.3	B3/5000		
BH (60°-80°)	4419.0	28.4	B4/5000		G2/5000
BVH (80°-90°)	144.0	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1282.1	1282.1	1282.1	1282.1	1282.1	1282.1	1282.1	1282.1	1282.1	1282.1	1282.1
2.5°	1276.4	1278.0	1276.4	1277.4	1274.9	1275.9	1275.9	1275.9	1275.4	1275.9	1274.9
5°	1265.1	1266.2	1264.0	1265.1	1263.6	1265.1	1265.6	1265.1	1264.0	1264.6	1262.5
7.5°	1248.1	1249.1	1247.5	1249.1	1247.1	1249.7	1249.1	1247.5	1246.0	1246.0	1244.0
10°	1238.8	1239.3	1235.2	1233.6	1229.0	1230.0	1231.6	1233.2	1234.7	1237.7	1237.3
12.5°	1239.3	1239.3	1233.2	1226.5	1219.8	1221.3	1223.9	1229.5	1235.7	1241.4	1241.9
15°	1244.5	1244.0	1234.7	1223.9	1219.2	1223.9	1225.5	1229.0	1238.8	1248.6	1249.1
17.5°	1248.1	1248.1	1233.6	1221.3	1220.8	1228.0	1227.5	1229.0	1239.8	1254.2	1254.8
20°	1254.8	1254.8	1236.3	1222.8	1222.8	1230.6	1231.0	1233.6	1244.5	1260.5	1263.0
22.5°	1269.7	1270.3	1250.7	1239.8	1240.9	1245.5	1247.1	1251.2	1260.9	1278.5	1281.6
25°	1290.8	1291.9	1271.7	1265.6	1269.2	1278.0	1277.0	1280.0	1290.8	1307.9	1311.0
27.5°	1320.2	1317.7	1299.1	1296.5	1300.2	1306.3	1305.8	1306.3	1315.1	1330.5	1334.2
30°	1358.4	1357.4	1343.9	1345.4	1343.9	1341.9	1342.4	1346.6	1351.1	1363.5	1367.1
32.5°	1395.5	1396.5	1388.3	1396.0	1407.3	1415.0	1403.2	1391.8	1386.7	1393.4	1396.5
35°	1462.4	1465.0	1452.2	1447.0	1462.4	1485.2	1451.6	1433.1	1443.3	1452.2	1454.7
37.5°	1576.4	1577.9	1556.2	1535.7	1524.3	1545.9	1512.5	1514.0	1550.1	1566.6	1566.0
40°	1706.2	1706.7	1692.2	1674.3	1654.7	1659.8	1646.4	1650.5	1674.3	1689.2	1693.3
42.5°	1860.8	1859.3	1836.5	1810.8	1805.2	1810.3	1787.6	1784.6	1811.9	1838.6	1839.2
45°	2061.2	2057.6	2028.3	1999.9	1972.6	1961.3	1955.6	1970.6	2008.1	2032.9	2033.4
47.5°	2277.2	2267.4	2251.9	2229.2	2205.5	2194.2	2184.9	2192.1	2219.4	2229.2	2230.3
50°	2499.2	2501.3	2504.4	2495.6	2486.9	2483.3	2459.1	2445.1	2453.4	2435.3	2432.8
52.5°	2762.6	2766.7	2796.6	2821.8	2836.7	2844.5	2798.6	2750.8	2723.9	2688.9	2678.6
55°	3073.3	3080.0	3123.9	3193.9	3266.0	3304.2	3221.2	3131.6	3048.6	2983.1	2962.0
57.5°	3419.6	3431.4	3491.7	3626.2	3774.2	3864.3	3724.1	3561.3	3401.1	3306.7	3290.2
60°	3825.7	3837.0	3920.5	4113.2	4352.8	4488.4	4276.1	4009.7	3810.2	3720.0	3689.6
62.5°	4309.1	4310.1	4412.6	4637.8	4954.2	5142.8	4855.2	4499.2	4293.6	4184.9	4155.4
65°	4829.0	4831.6	4937.7	5180.9	5508.1	5713.3	5388.6	5017.6	4766.1	4605.9	4583.2
67.5°	5196.4	5207.3	5319.0	5611.7	5917.8	6102.8	5766.8	5347.4	5056.7	4865.6	4846.5
70°	5137.7	5179.9	5311.3	5653.0	6078.6	6342.4	5828.1	5308.2	4924.8	4699.1	4683.2
72.5°	4480.7	4561.5	4736.7	5185.1	5865.8	6229.1	5493.7	4754.2	4320.3	4128.2	4099.3
75°	3051.2	3182.5	3446.9	4093.6	5011.4	5393.3	4624.9	3790.7	3382.5	3116.6	3097.0
77.5°	1360.4	1390.3	1725.2	2469.9	3458.3	3873.1	3360.4	2479.7	1861.3	1484.6	1405.2
80°	379.2	383.9	512.3	919.8	1730.9	2275.6	1858.3	966.2	543.1	382.9	360.7
82.5°	120.5	130.9	159.8	238.6	581.8	1038.4	597.2	257.7	183.4	146.3	131.9
85°	58.8	58.2	80.9	96.9	148.4	229.8	158.2	119.5	104.6	69.6	62.9
87.5°	24.8	25.2	37.6	34.0	43.3	37.1	51.0	53.6	56.2	30.9	26.8
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)