

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: P316436

Luminaire Tested: **GAN-SA2B-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316436
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-SA2B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11186 lumens
Efficiency: N/A
Efficacy: 131.6 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): 85
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

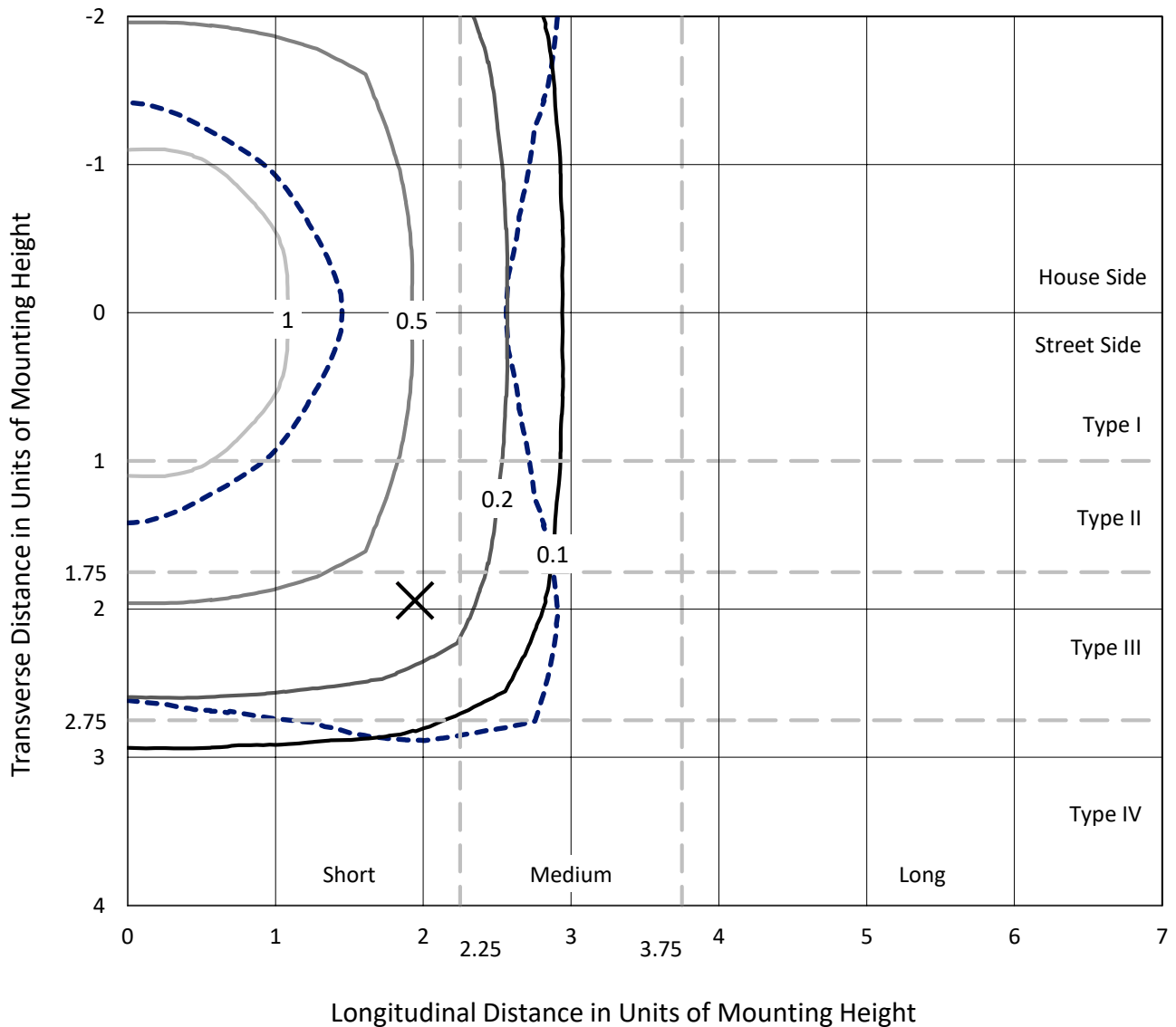




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Iso-Footcandle Lines of Horizontal Illumination

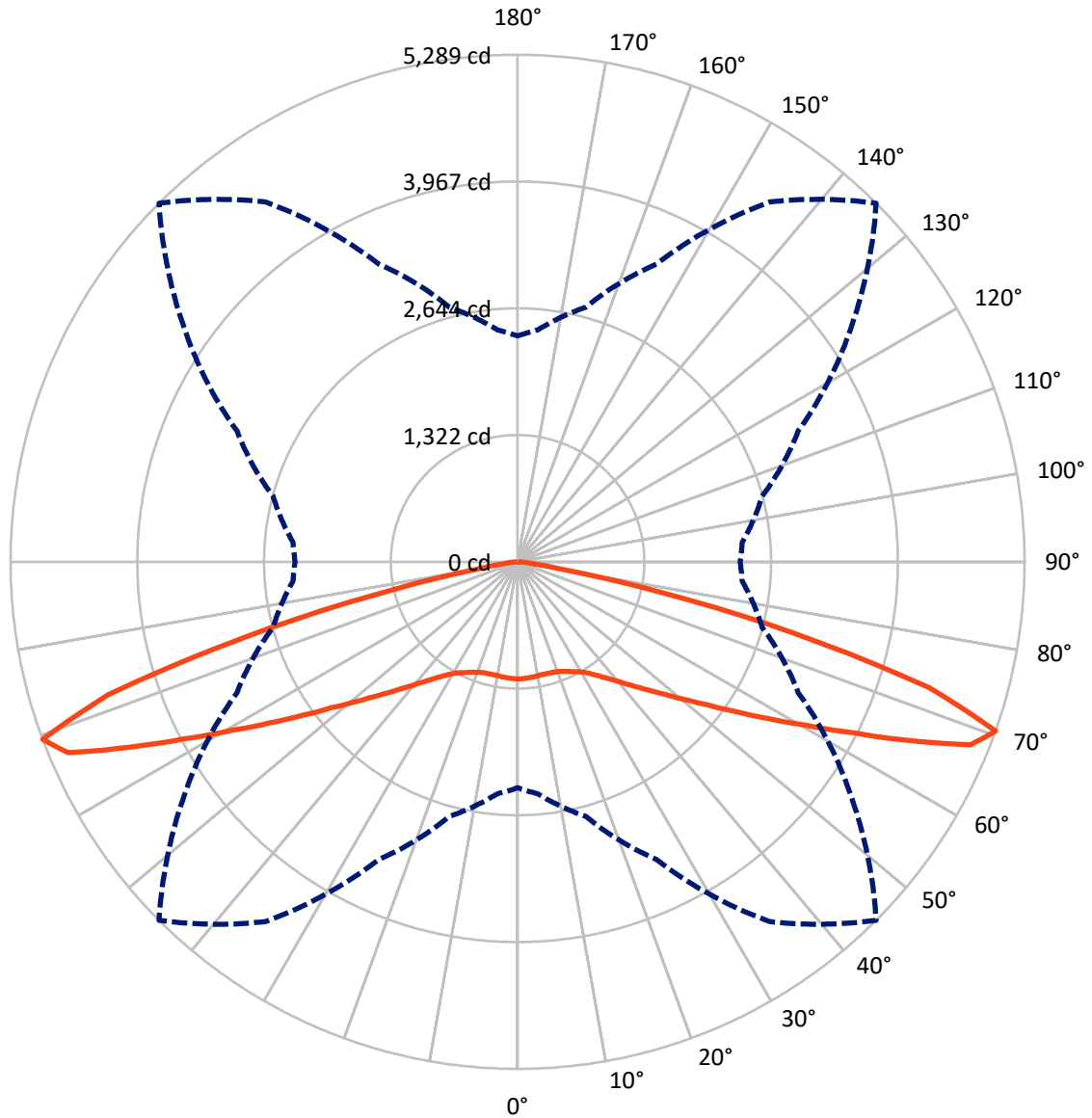
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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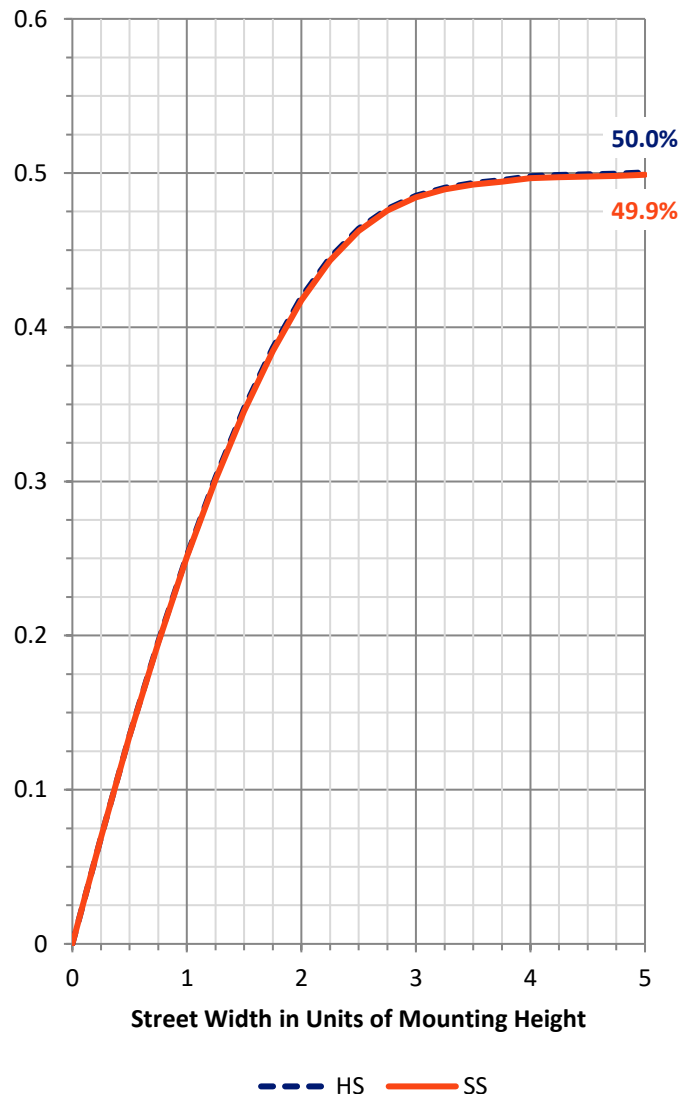
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5593.0	0.0	5593.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5593.0	0.0	5593.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11186.0	0.0	11186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	1.0
10°-20°	339.7	3.0
20°-30°	578.3	5.2
30°-40°	917.1	8.2
40°-50°	1492.4	13.3
50°-60°	2460.7	22.0
60°-70°	3612.4	32.3
70°-80°	1597.4	14.3
80°-90°	72.3	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°	11186.0	100.0
0°-180°	11186.0	100.0

Coefficient of Utilization



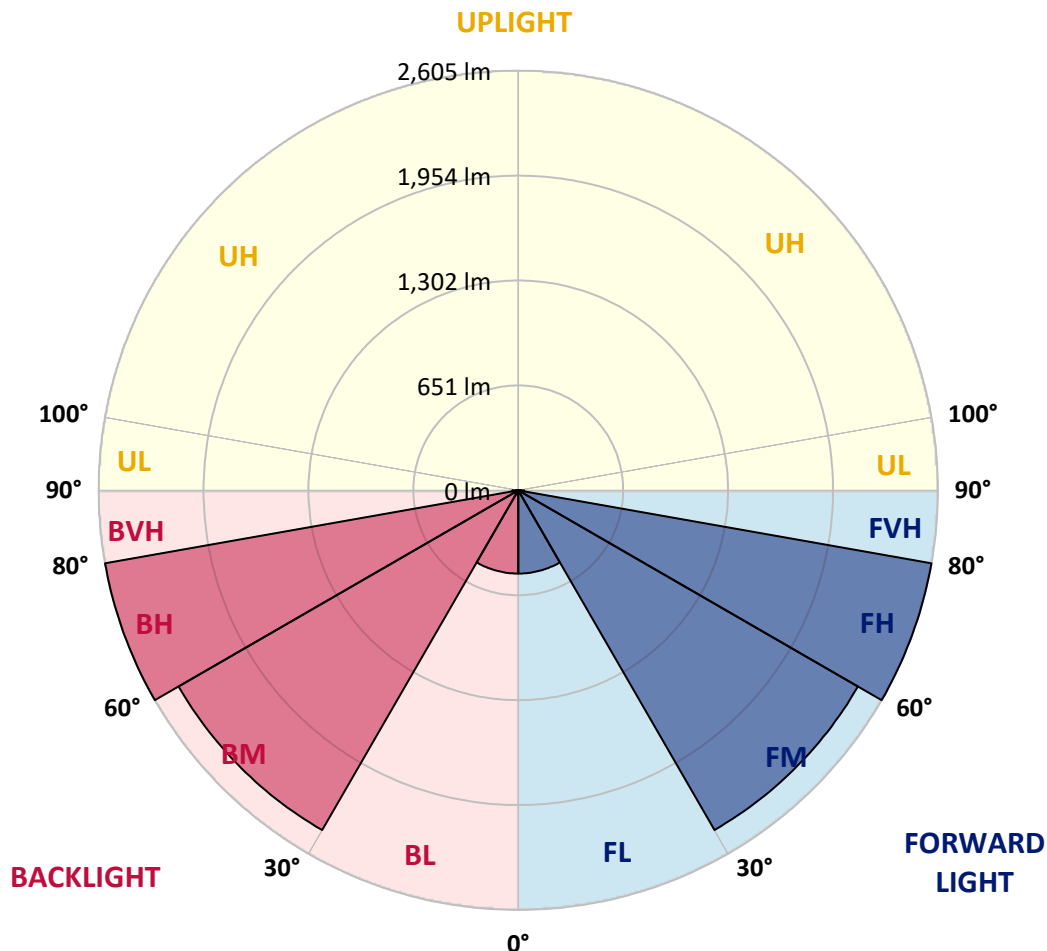
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.8	4.6			
FM (30°-60°)	2435.1	21.8			
FH (60°-80°)	2604.9	23.3			G2/5000
FVH (80°-90°)	36.2	0.3			G1/100
BL (0°-30°)	516.8	4.6	B2/1000		
BM (30°-60°)	2435.1	21.8	B2/2500		
BH (60°-80°)	2604.9	23.3	B4/5000		G2/5000
BVH (80°-90°)	36.2	0.3			G1/100
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°	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7
2.5°	1219.8	1218.7	1221.3	1220.9	1218.7	1219.1	1219.1	1220.2	1220.2	1219.5	1219.5
5°	1215.4	1214.7	1217.6	1217.6	1215.4	1216.1	1216.9	1218.0	1217.6	1216.9	1216.5
7.5°	1209.8	1209.5	1212.4	1212.4	1210.9	1211.7	1210.9	1211.3	1210.6	1209.8	1208.7
10°	1200.6	1201.3	1203.9	1204.7	1204.7	1205.0	1204.3	1202.4	1201.3	1200.2	1199.1
12.5°	1192.1	1191.7	1195.4	1197.3	1200.2	1203.5	1201.3	1196.1	1193.9	1191.7	1191.0
15°	1186.5	1186.9	1190.6	1193.9	1199.1	1206.1	1203.5	1195.4	1191.0	1188.4	1187.6
17.5°	1185.4	1186.1	1191.0	1196.9	1202.4	1210.2	1208.7	1200.6	1193.2	1188.4	1187.3
20°	1188.0	1188.4	1195.8	1204.3	1213.9	1221.3	1218.0	1209.1	1199.1	1191.7	1189.8
22.5°	1192.8	1194.3	1203.5	1216.9	1231.7	1241.7	1237.6	1222.4	1206.9	1197.6	1195.0
25°	1208.0	1208.4	1220.9	1239.1	1256.9	1268.3	1263.5	1242.0	1222.1	1211.7	1208.4
27.5°	1239.5	1240.6	1253.2	1274.3	1289.4	1296.8	1293.9	1276.5	1259.4	1248.3	1249.5
30°	1285.0	1286.5	1300.5	1323.9	1333.1	1335.0	1334.2	1326.1	1310.5	1295.7	1296.8
32.5°	1340.5	1341.3	1360.1	1381.2	1388.6	1390.1	1388.6	1381.2	1362.7	1342.7	1343.9
35°	1412.0	1414.2	1432.3	1452.7	1458.6	1461.6	1459.0	1449.4	1430.1	1410.5	1409.8
37.5°	1500.1	1500.5	1519.3	1540.4	1547.8	1548.6	1545.6	1539.3	1515.3	1497.5	1496.4
40°	1602.3	1603.7	1626.0	1648.5	1651.5	1648.2	1652.2	1648.5	1623.7	1603.4	1606.7
42.5°	1726.6	1730.0	1756.6	1778.8	1770.3	1768.5	1771.1	1772.2	1752.2	1727.4	1725.2
45°	1871.4	1874.4	1907.7	1925.5	1919.9	1907.7	1912.9	1921.7	1894.0	1863.3	1866.2
47.5°	2036.5	2043.9	2079.5	2096.1	2082.4	2065.8	2075.8	2089.1	2056.5	2018.4	2016.5
50°	2220.1	2229.4	2276.8	2300.1	2286.4	2255.7	2272.3	2281.2	2234.2	2185.0	2180.9
52.5°	2416.0	2425.2	2484.8	2533.0	2524.1	2476.3	2499.6	2490.4	2436.3	2370.1	2364.9
55°	2637.7	2641.4	2705.8	2783.6	2792.5	2757.3	2755.8	2740.6	2660.7	2584.0	2580.3
57.5°	2865.8	2868.4	2951.7	3043.5	3085.3	3085.3	3043.8	3011.6	2905.4	2816.5	2807.3
60°	3112.0	3121.2	3213.4	3338.2	3435.9	3464.8	3391.5	3303.7	3188.2	3079.8	3069.0
62.5°	3331.1	3341.9	3482.9	3668.8	3825.7	3930.9	3751.7	3608.8	3398.5	3224.5	3204.1
65°	3358.9	3387.8	3593.2	3929.8	4281.1	4491.0	4147.4	3795.4	3412.2	3170.5	3149.7
67.5°	3067.5	3116.4	3394.1	3917.9	4643.9	5094.4	4400.3	3688.7	3166.4	2899.1	2876.1
70°	2357.1	2428.2	2748.4	3427.0	4581.3	5288.8	4241.8	3229.3	2640.0	2352.3	2320.1
72.5°	1293.1	1322.4	1610.4	2346.7	3672.8	4494.3	3538.1	2387.8	1750.7	1424.6	1370.5
75°	410.2	420.6	567.2	960.3	2077.6	2976.8	2247.5	1172.1	645.3	475.7	470.2
77.5°	182.1	183.3	205.1	280.2	715.6	1508.2	859.6	319.1	219.9	192.1	198.4
80°	115.1	115.1	127.0	138.8	194.7	438.0	232.5	151.8	129.6	120.3	122.9
82.5°	55.2	61.1	82.6	88.8	107.0	147.3	119.2	99.2	86.6	64.4	60.0
85°	36.3	30.4	52.2	58.9	62.2	70.7	69.2	65.5	56.6	32.2	35.9
87.5°	16.3	15.5	27.0	24.8	23.3	17.8	26.7	32.9	31.8	15.9	15.9
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)