

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: P316136

Luminaire Tested: **GAN-SA2D-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316136
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 15228 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

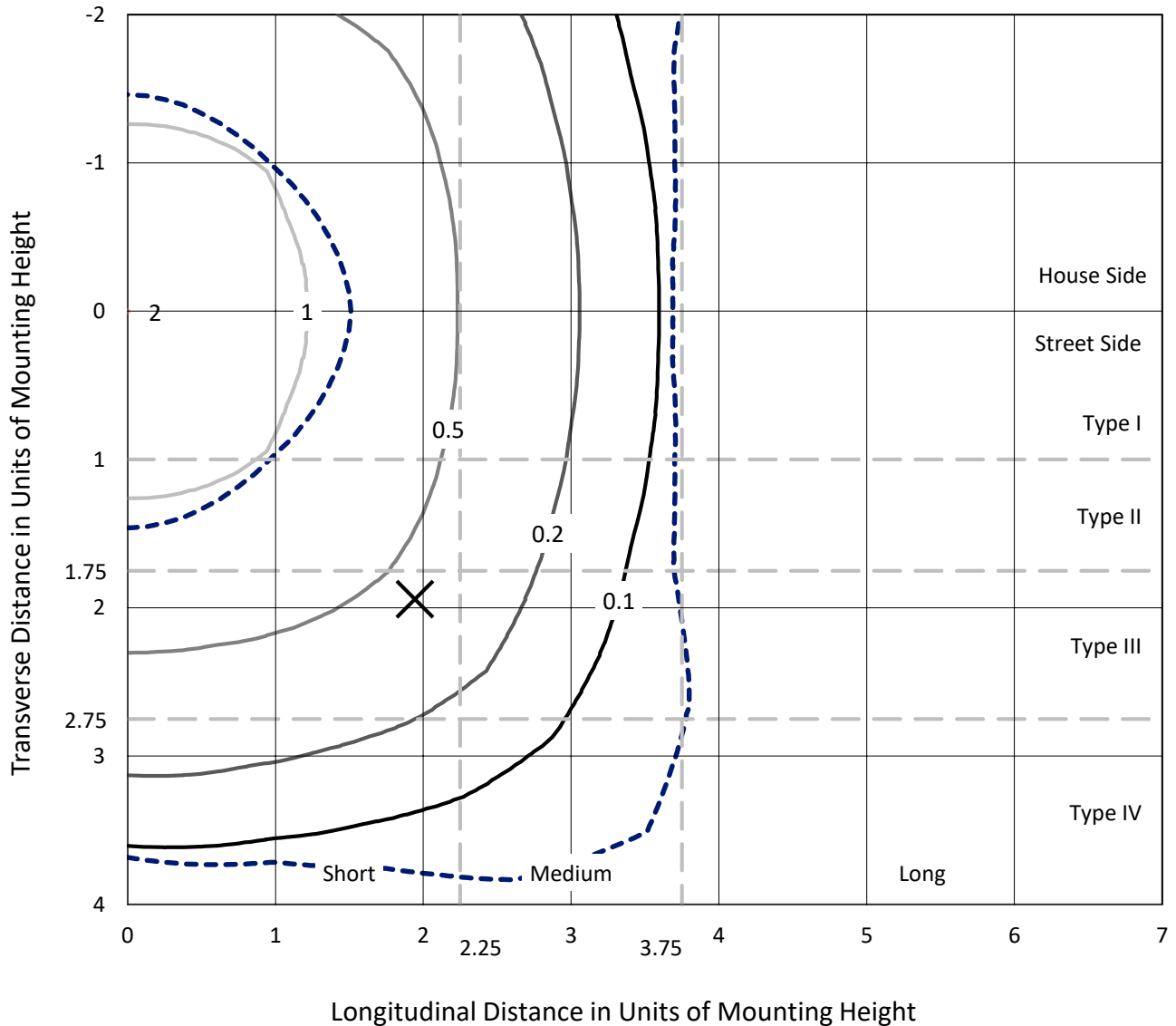
Input Watts (W): 129
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

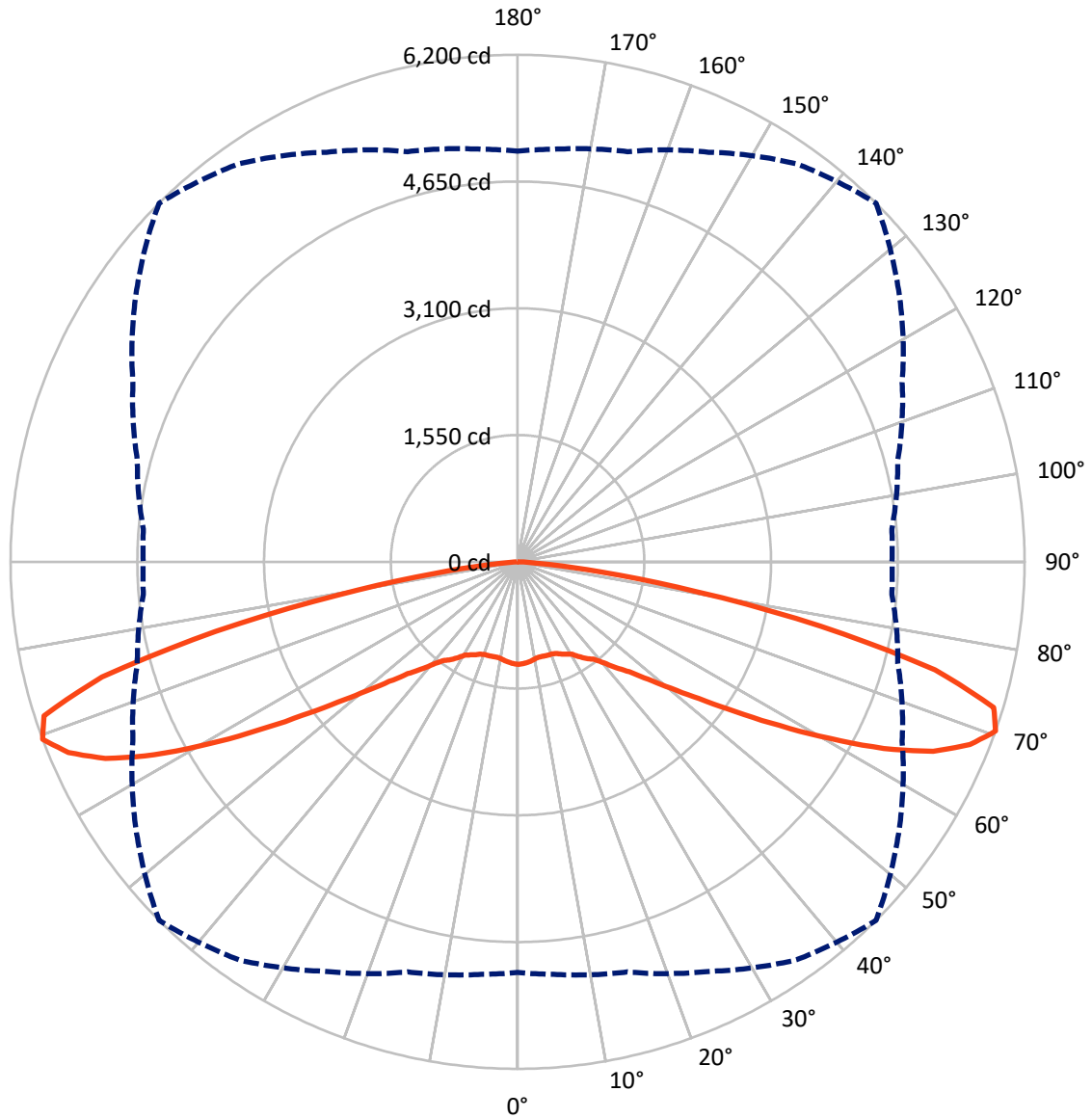
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	7614.0	0.0	7614.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7614.0	0.0	7614.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15228.0	0.0	15228.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	0.8
10°-20°	341.7	2.2
20°-30°	582.5	3.8
30°-40°	910.2	6.0
40°-50°	1542.7	10.1
50°-60°	2813.2	18.5
60°-70°	4843.1	31.8
70°-80°	3796.2	24.9
80°-90°	281.5	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°	15228.0	100.0
0°-180°	15228.0	100.0

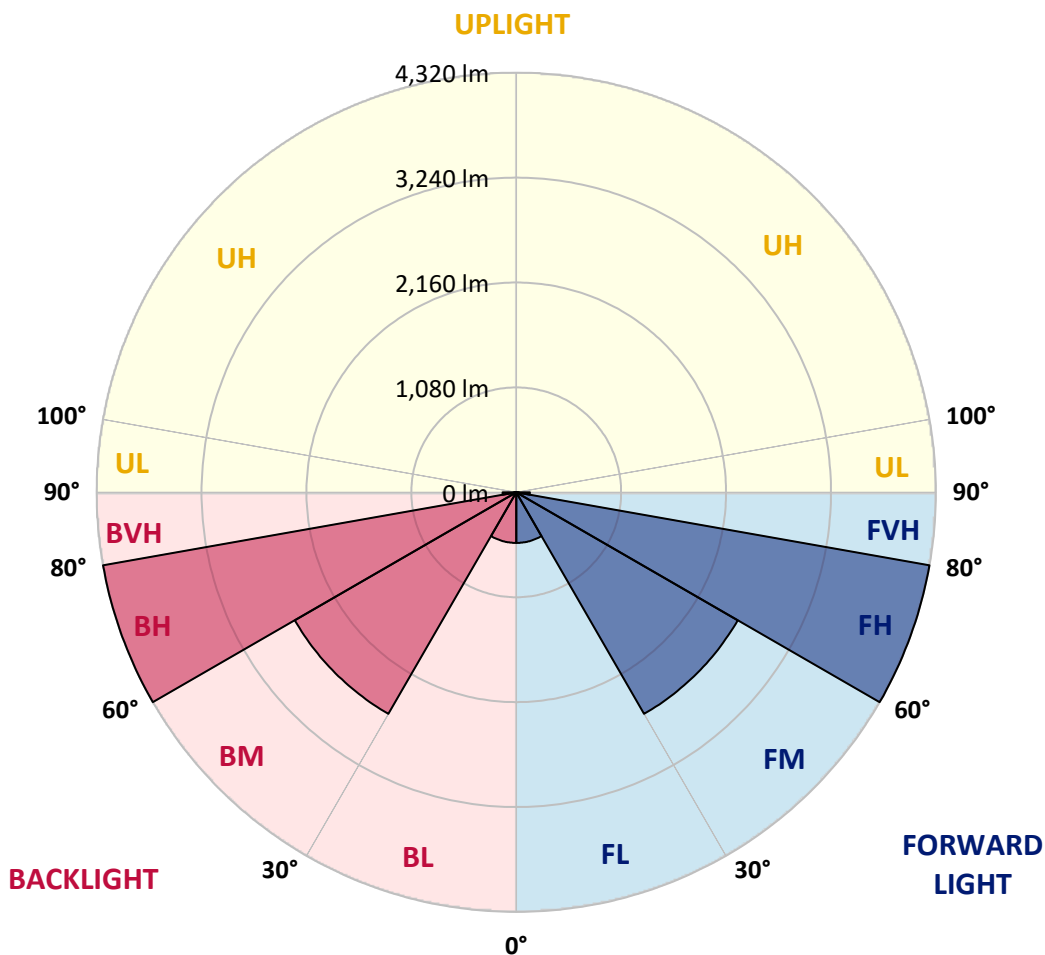


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.6	3.4			
FM (30°-60°)	2633.0	17.3			
FH (60°-80°)	4319.6	28.4			G2/5000
FVH (80°-90°)	140.7	0.9			G2/225
BL (0°-30°)	520.6	3.4	B2/1000		
BM (30°-60°)	2633.0	17.3	B3/5000		
BH (60°-80°)	4319.6	28.4	B4/5000		G2/5000
BVH (80°-90°)	140.7	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°	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3	1253.3
2.5°	1247.7	1249.2	1247.7	1248.7	1246.2	1247.2	1247.2	1247.2	1246.7	1247.2	1246.2
5°	1236.6	1237.7	1235.6	1236.6	1235.1	1236.6	1237.1	1236.6	1235.6	1236.1	1234.1
7.5°	1220.0	1221.0	1219.5	1221.0	1219.0	1221.5	1221.0	1219.5	1218.0	1218.0	1216.0
10°	1211.0	1211.5	1207.4	1205.9	1201.4	1202.4	1203.9	1205.4	1206.9	1209.9	1209.4
12.5°	1211.5	1211.5	1205.4	1198.9	1192.3	1193.8	1196.3	1201.9	1207.9	1213.5	1214.0
15°	1216.5	1216.0	1206.9	1196.3	1191.8	1196.3	1197.9	1201.4	1211.0	1220.5	1221.0
17.5°	1220.0	1220.0	1205.9	1193.8	1193.3	1200.4	1199.9	1201.4	1212.0	1226.1	1226.6
20°	1226.6	1226.6	1208.4	1195.3	1195.3	1202.9	1203.4	1205.9	1216.5	1232.1	1234.6
22.5°	1241.2	1241.7	1222.5	1212.0	1213.0	1217.5	1219.0	1223.0	1232.6	1249.7	1252.8
25°	1261.8	1262.8	1243.2	1237.1	1240.7	1249.2	1248.2	1251.3	1261.8	1278.5	1281.5
27.5°	1290.5	1288.0	1269.9	1267.4	1270.9	1276.9	1276.4	1276.9	1285.5	1300.6	1304.1
30°	1327.8	1326.8	1313.7	1315.2	1313.7	1311.7	1312.2	1316.2	1320.8	1332.9	1336.4
32.5°	1364.1	1365.1	1357.0	1364.6	1375.7	1383.2	1371.6	1360.6	1355.5	1362.1	1365.1
35°	1429.6	1432.1	1419.5	1414.5	1429.6	1451.7	1419.0	1400.9	1410.9	1419.5	1422.0
37.5°	1540.9	1542.4	1521.2	1501.1	1490.0	1511.2	1478.4	1479.9	1515.2	1531.3	1530.8
40°	1667.8	1668.3	1654.2	1636.6	1617.5	1622.5	1609.4	1613.4	1636.6	1651.2	1655.2
42.5°	1818.9	1817.4	1795.3	1770.1	1764.5	1769.6	1747.4	1744.4	1771.1	1797.3	1797.8
45°	2014.9	2011.4	1982.7	1955.0	1928.3	1917.2	1911.6	1926.2	1963.0	1987.2	1987.7
47.5°	2226.0	2216.4	2201.3	2179.1	2155.9	2144.9	2135.8	2142.8	2169.5	2179.1	2180.1
50°	2443.1	2445.1	2448.1	2439.5	2431.0	2427.4	2403.8	2390.2	2398.2	2380.6	2378.1
52.5°	2700.5	2704.5	2733.7	2758.4	2773.0	2780.6	2735.7	2688.9	2662.7	2628.4	2618.4
55°	3004.2	3010.8	3053.6	3122.1	3192.6	3229.9	3148.8	3061.1	2980.0	2916.1	2895.4
57.5°	3342.7	3354.3	3413.2	3544.7	3689.3	3777.4	3640.4	3481.2	3324.6	3232.4	3216.3
60°	3739.7	3750.7	3832.3	4020.7	4255.0	4387.4	4179.9	3919.5	3724.5	3636.4	3606.7
62.5°	4212.1	4213.2	4313.4	4533.5	4842.8	5027.2	4746.1	4398.0	4197.0	4090.7	4062.0
65°	4720.4	4722.9	4826.7	5064.4	5384.3	5584.8	5267.4	4904.8	4658.9	4502.3	4480.1
67.5°	5079.6	5090.1	5199.4	5485.6	5784.8	5965.6	5637.2	5227.1	4943.0	4756.2	4737.5
70°	5022.1	5063.4	5191.9	5525.9	5941.9	6199.8	5697.1	5188.9	4814.1	4593.5	4577.8
72.5°	4379.9	4459.0	4630.2	5068.5	5733.9	6089.0	5370.2	4647.4	4223.2	4035.3	4007.1
75°	2982.6	3111.0	3369.4	4001.6	4898.7	5272.0	4520.9	3705.4	3306.4	3046.5	3027.4
77.5°	1329.8	1359.0	1686.5	2414.4	3380.5	3786.0	3284.8	2423.9	1819.5	1451.2	1373.7
80°	370.7	375.3	500.7	899.1	1692.0	2224.4	1816.4	944.5	530.9	374.3	352.6
82.5°	117.9	127.9	156.2	233.2	568.7	1015.0	583.8	251.9	179.3	143.1	129.0
85°	57.4	56.9	79.1	94.7	145.1	224.7	154.6	116.9	102.3	68.0	61.5
87.5°	24.2	24.7	36.8	33.2	42.3	36.3	49.9	52.4	54.9	30.2	26.2
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)