

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: P316625

Luminaire Tested: **GAN-SA1A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316625
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-SA1A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4073 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

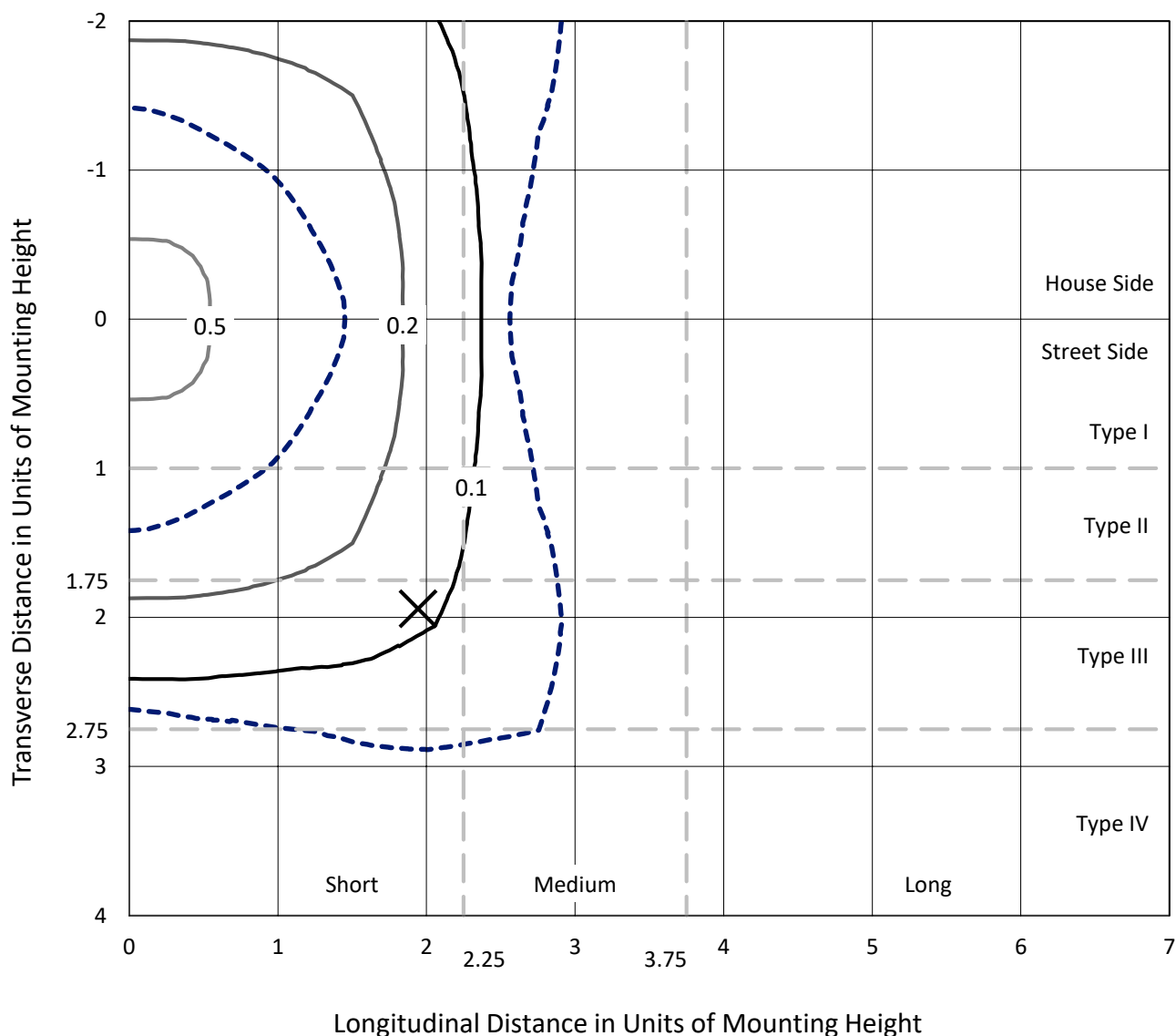
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

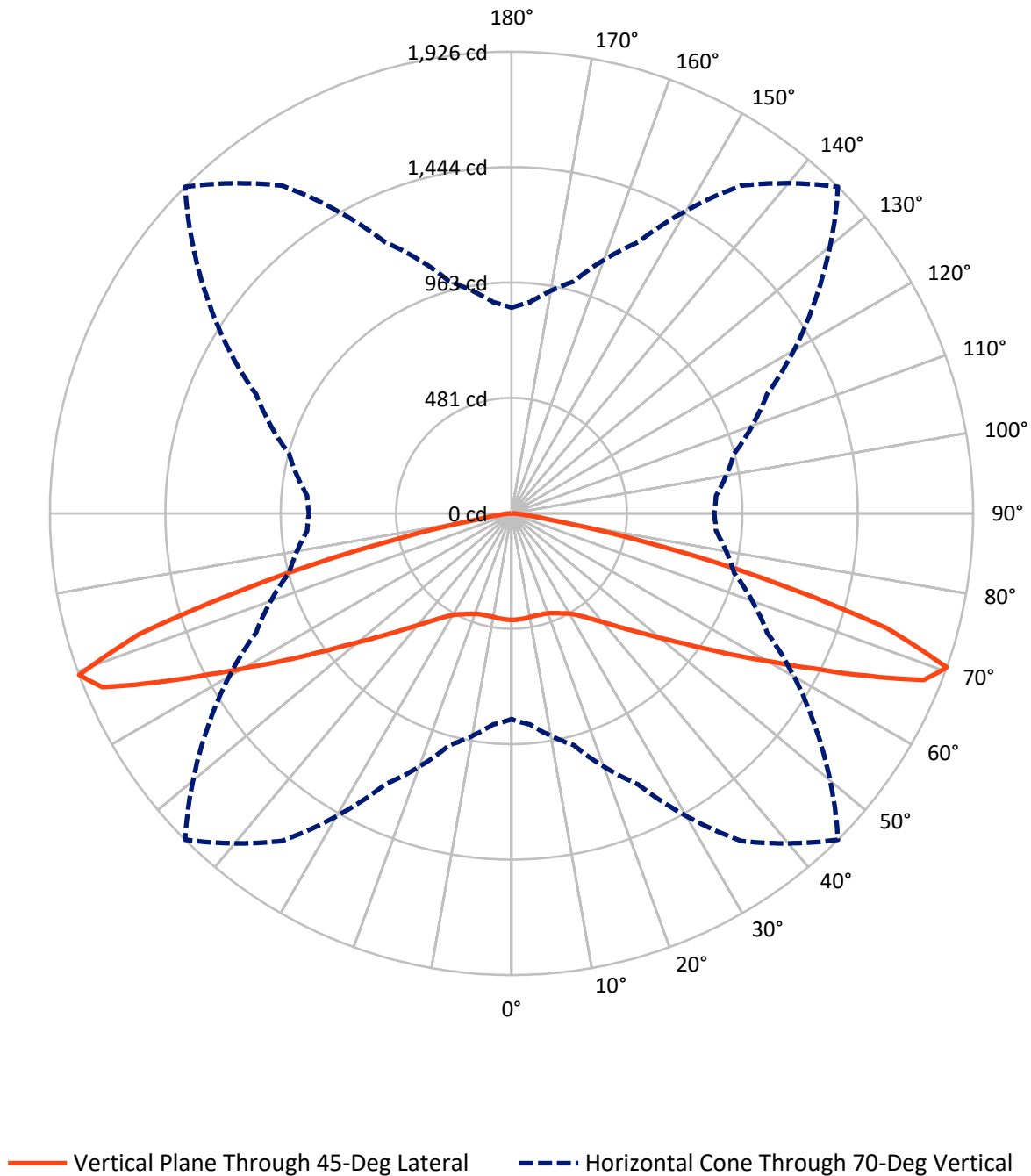
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2036.5	0.0	2036.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2036.5	0.0	2036.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4073.0	0.0	4073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	1.0
10°-20°	123.7	3.0
20°-30°	210.5	5.2
30°-40°	333.9	8.2
40°-50°	543.4	13.3
50°-60°	896.0	22.0
60°-70°	1315.3	32.3
70°-80°	581.6	14.3
80°-90°	26.3	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°	4073.0	100.0
0°-180°	4073.0	100.0

Coefficient of Utilization



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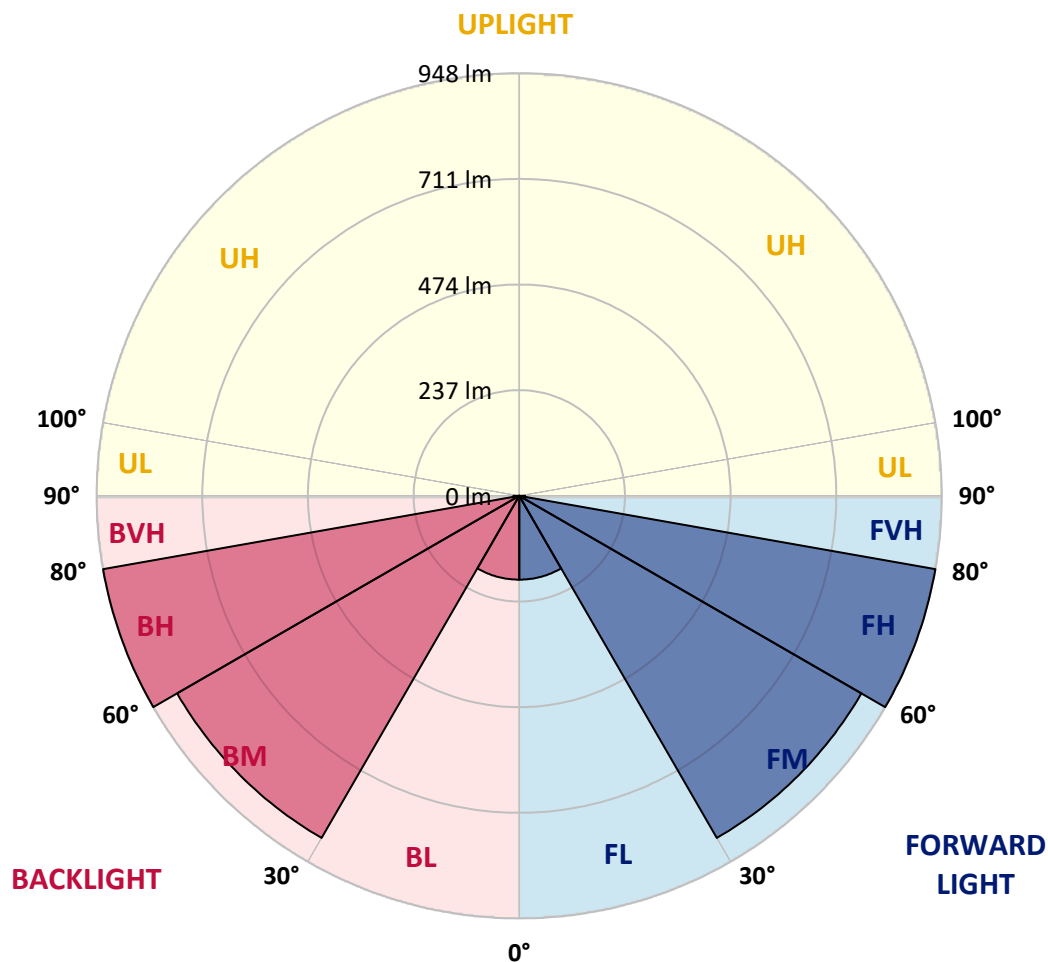
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.2	4.6			
FM	(30°-60°)	886.7	21.8			
FH	(60°-80°)	948.5	23.3			G1/1800
FVH	(80°-90°)	13.2	0.3			G1/100
BL	(0°-30°)	188.2	4.6	B1/500		
BM	(30°-60°)	886.7	21.8	B1/1000		
BH	(60°-80°)	948.5	23.3	B2/1000		G1/1800
BVH	(80°-90°)	13.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	444.2	443.8	444.7	444.6	443.8	443.9	443.9	444.3	444.3	444.0	444.0
5°	442.5	442.3	443.4	443.4	442.5	442.8	443.1	443.5	443.4	443.1	442.9
7.5°	440.5	440.4	441.5	441.5	440.9	441.2	440.9	441.1	440.8	440.5	440.1
10°	437.2	437.4	438.4	438.6	438.6	438.8	438.5	437.8	437.4	437.0	436.6
12.5°	434.1	433.9	435.3	435.9	437.0	438.2	437.4	435.5	434.7	433.9	433.6
15°	432.0	432.2	433.5	434.7	436.6	439.2	438.2	435.3	433.6	432.7	432.4
17.5°	431.6	431.9	433.6	435.8	437.8	440.7	440.1	437.2	434.5	432.7	432.3
20°	432.6	432.7	435.4	438.5	442.0	444.7	443.5	440.3	436.6	433.9	433.2
22.5°	434.3	434.9	438.2	443.1	448.5	452.1	450.6	445.1	439.4	436.1	435.1
25°	439.8	440.0	444.6	451.2	457.6	461.8	460.1	452.2	445.0	441.2	440.0
27.5°	451.3	451.7	456.3	464.0	469.5	472.2	471.1	464.8	458.6	454.5	454.9
30°	467.9	468.4	473.5	482.0	485.4	486.1	485.8	482.8	477.2	471.8	472.2
32.5°	488.1	488.4	495.2	502.9	505.6	506.2	505.6	502.9	496.2	488.9	489.3
35°	514.1	514.9	521.5	528.9	531.1	532.2	531.2	527.7	520.7	513.6	513.3
37.5°	546.2	546.3	553.2	560.9	563.6	563.9	562.8	560.5	551.7	545.3	544.9
40°	583.4	583.9	592.0	600.3	601.3	600.1	601.6	600.3	591.2	583.8	585.0
42.5°	628.7	629.9	639.6	647.7	644.6	643.9	644.9	645.3	638.0	629.0	628.2
45°	681.4	682.5	694.6	701.1	699.1	694.6	696.5	699.7	689.6	678.4	679.5
47.5°	741.5	744.2	757.2	763.2	758.2	752.2	755.8	760.7	748.8	734.9	734.2
50°	808.4	811.8	829.0	837.5	832.5	821.3	827.4	830.6	813.5	795.6	794.1
52.5°	879.7	883.1	904.8	922.3	919.1	901.7	910.2	906.8	887.1	863.0	861.1
55°	960.4	961.8	985.2	1013.5	1016.8	1004.0	1003.4	997.9	968.8	940.9	939.5
57.5°	1043.5	1044.4	1074.7	1108.2	1123.4	1123.4	1108.3	1096.6	1057.9	1025.5	1022.2
60°	1133.1	1136.5	1170.1	1215.5	1251.1	1261.6	1234.9	1202.9	1160.9	1121.4	1117.5
62.5°	1212.9	1216.8	1268.2	1335.9	1393.0	1431.3	1366.0	1314.0	1237.5	1174.1	1166.7
65°	1223.0	1233.5	1308.4	1430.9	1558.8	1635.2	1510.1	1382.0	1242.4	1154.4	1146.9
67.5°	1116.9	1134.7	1235.8	1426.6	1690.9	1855.0	1602.2	1343.1	1152.9	1055.6	1047.2
70°	858.3	884.1	1000.7	1247.8	1668.1	1925.7	1544.5	1175.8	961.2	856.5	844.8
72.5°	470.9	481.5	586.4	854.5	1337.3	1636.5	1288.3	869.5	637.5	518.7	499.0
75°	149.4	153.1	206.5	349.7	756.5	1083.9	818.4	426.8	235.0	173.2	171.2
77.5°	66.3	66.7	74.7	102.0	260.6	549.2	313.0	116.2	80.1	70.0	72.3
80°	41.9	41.9	46.2	50.5	70.9	159.5	84.7	55.3	47.2	43.8	44.8
82.5°	20.1	22.2	30.1	32.4	39.0	53.6	43.4	36.1	31.5	23.5	21.8
85°	13.2	11.1	19.0	21.4	22.6	25.7	25.2	23.9	20.6	11.7	13.1
87.5°	5.9	5.7	9.8	9.0	8.5	6.5	9.7	12.0	11.6	5.8	5.8
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)