

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: P316305

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316305
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-SA1A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

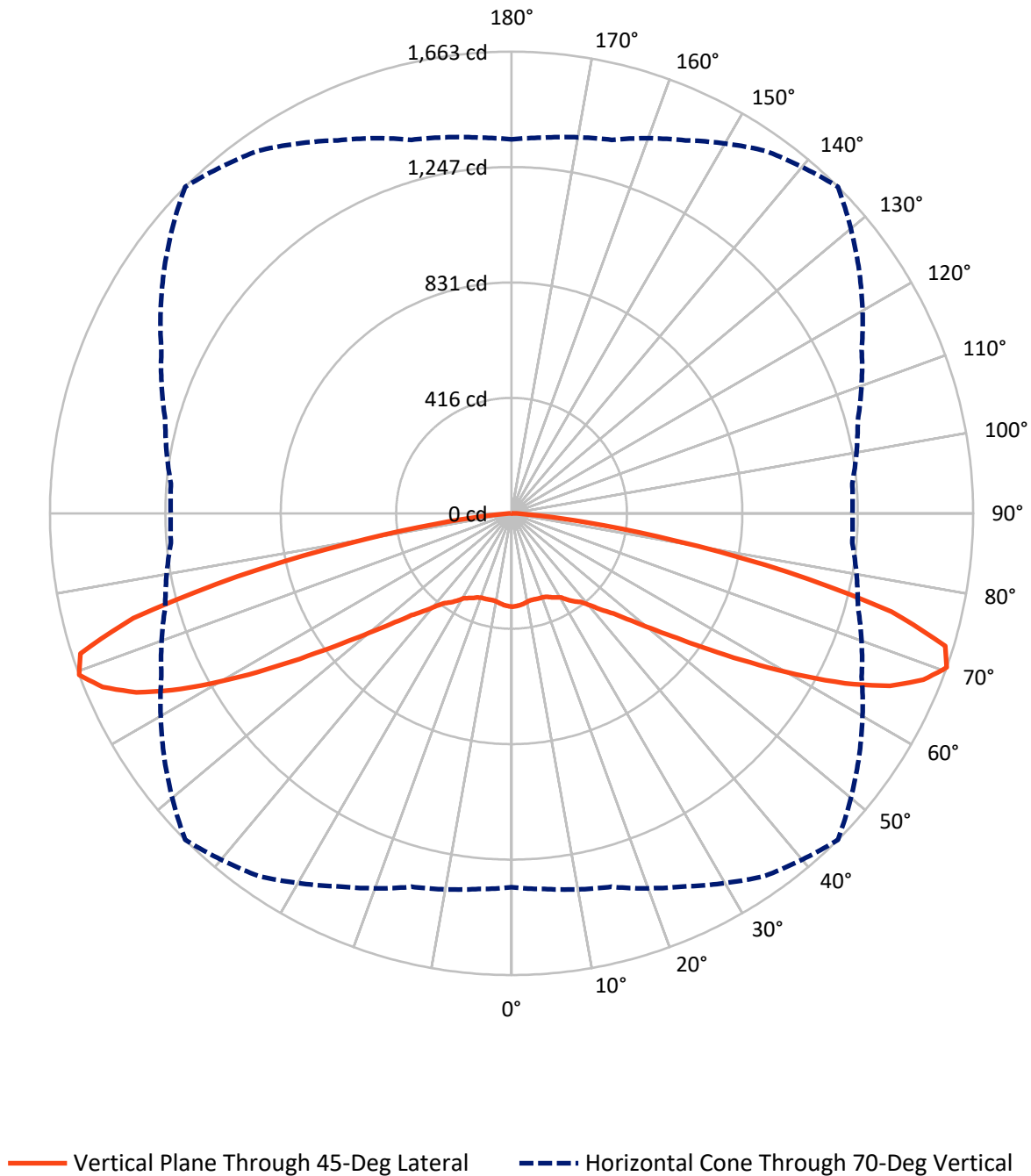
Lumens per Lamp: N/A
Luminaire Lumens: 4084 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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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Luminous Intensity Polar Plot



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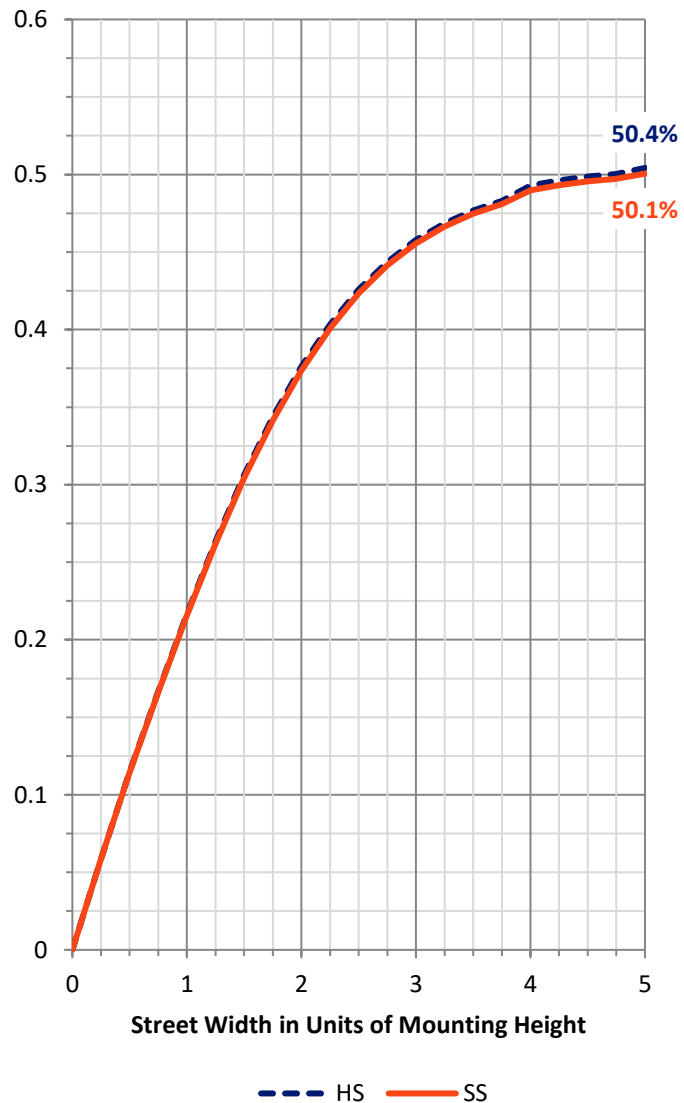
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2042.0	0.0	2042.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2042.0	0.0	2042.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4084.0	0.0	4084.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	0.8
10°-20°	91.6	2.2
20°-30°	156.2	3.8
30°-40°	244.1	6.0
40°-50°	413.7	10.1
50°-60°	754.5	18.5
60°-70°	1298.9	31.8
70°-80°	1018.1	24.9
80°-90°	75.5	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°	4084.0	100.0
0°-180°	4084.0	100.0

Coefficient of Utilization



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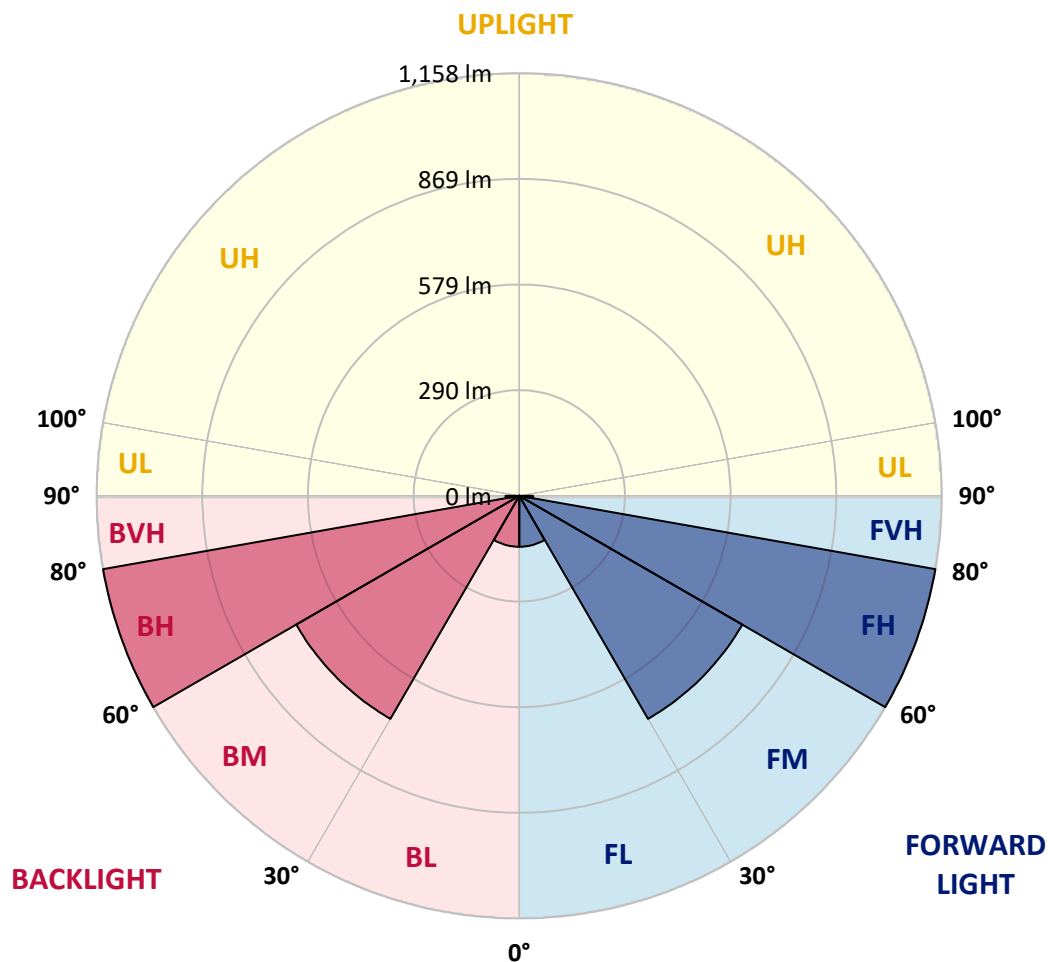
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.6	3.4			
FM	(30°-60°)	706.2	17.3			
FH	(60°-80°)	1158.5	28.4			G1/1800
FVH	(80°-90°)	37.7	0.9			G1/100
BL	(0°-30°)	139.6	3.4	B1/500		
BM	(30°-60°)	706.2	17.3	B1/1000		
BH	(60°-80°)	1158.5	28.4	B3/2500		G1/1800
BVH	(80°-90°)	37.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	334.6	335.0	334.6	334.9	334.2	334.5	334.5	334.5	334.4	334.5	334.2
5°	331.7	331.9	331.4	331.7	331.3	331.7	331.8	331.7	331.4	331.5	331.0
7.5°	327.2	327.5	327.1	327.5	326.9	327.6	327.5	327.1	326.7	326.7	326.1
10°	324.8	324.9	323.8	323.4	322.2	322.5	322.9	323.3	323.7	324.5	324.4
12.5°	324.9	324.9	323.3	321.5	319.8	320.2	320.8	322.3	324.0	325.4	325.6
15°	326.3	326.1	323.7	320.8	319.6	320.8	321.3	322.2	324.8	327.3	327.5
17.5°	327.2	327.2	323.4	320.2	320.0	321.9	321.8	322.2	325.0	328.8	329.0
20°	329.0	329.0	324.1	320.6	320.6	322.6	322.7	323.4	326.3	330.4	331.1
22.5°	332.9	333.0	327.9	325.0	325.3	326.5	326.9	328.0	330.6	335.2	336.0
25°	338.4	338.7	333.4	331.8	332.7	335.0	334.8	335.6	338.4	342.9	343.7
27.5°	346.1	345.4	340.6	339.9	340.8	342.5	342.3	342.5	344.8	348.8	349.8
30°	356.1	355.8	352.3	352.7	352.3	351.8	351.9	353.0	354.2	357.5	358.4
32.5°	365.8	366.1	363.9	366.0	368.9	371.0	367.9	364.9	363.5	365.3	366.1
35°	383.4	384.1	380.7	379.3	383.4	389.3	380.6	375.7	378.4	380.7	381.4
37.5°	413.3	413.7	408.0	402.6	399.6	405.3	396.5	396.9	406.4	410.7	410.6
40°	447.3	447.4	443.6	438.9	433.8	435.1	431.6	432.7	438.9	442.8	443.9
42.5°	487.8	487.4	481.5	474.7	473.2	474.6	468.6	467.8	475.0	482.0	482.2
45°	540.4	539.4	531.7	524.3	517.1	514.2	512.7	516.6	526.5	532.9	533.1
47.5°	597.0	594.4	590.4	584.4	578.2	575.2	572.8	574.7	581.8	584.4	584.7
50°	655.2	655.7	656.6	654.3	652.0	651.0	644.7	641.0	643.2	638.5	637.8
52.5°	724.2	725.3	733.2	739.8	743.7	745.7	733.7	721.1	714.1	704.9	702.2
55°	805.7	807.5	818.9	837.3	856.2	866.2	844.5	821.0	799.2	782.1	776.5
57.5°	896.5	899.6	915.4	950.7	989.4	1013.1	976.3	933.6	891.6	866.9	862.6
60°	1002.9	1005.9	1027.8	1078.3	1141.1	1176.7	1121.0	1051.2	998.9	975.2	967.3
62.5°	1129.7	1129.9	1156.8	1215.8	1298.8	1348.2	1272.9	1179.5	1125.6	1097.1	1089.4
65°	1266.0	1266.6	1294.5	1358.2	1444.0	1497.8	1412.7	1315.4	1249.5	1207.5	1201.5
67.5°	1362.3	1365.1	1394.4	1471.2	1551.4	1599.9	1511.8	1401.9	1325.7	1275.6	1270.6
70°	1346.9	1358.0	1392.4	1482.0	1593.6	1662.7	1527.9	1391.6	1291.1	1231.9	1227.7
72.5°	1174.6	1195.9	1241.8	1359.3	1537.8	1633.0	1440.2	1246.4	1132.6	1082.2	1074.7
75°	799.9	834.3	903.6	1073.2	1313.8	1413.9	1212.5	993.8	886.8	817.0	811.9
77.5°	356.6	364.5	452.3	647.5	906.6	1015.4	880.9	650.1	488.0	389.2	368.4
80°	99.4	100.6	134.3	241.1	453.8	596.6	487.1	253.3	142.4	100.4	94.6
82.5°	31.6	34.3	41.9	62.5	152.5	272.2	156.6	67.5	48.1	38.4	34.6
85°	15.4	15.3	21.2	25.4	38.9	60.3	41.5	31.3	27.4	18.2	16.5
87.5°	6.5	6.6	9.9	8.9	11.3	9.7	13.4	14.0	14.7	8.1	7.0
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)