

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: P317065

Luminaire Tested: **GAN-SA1A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4542 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

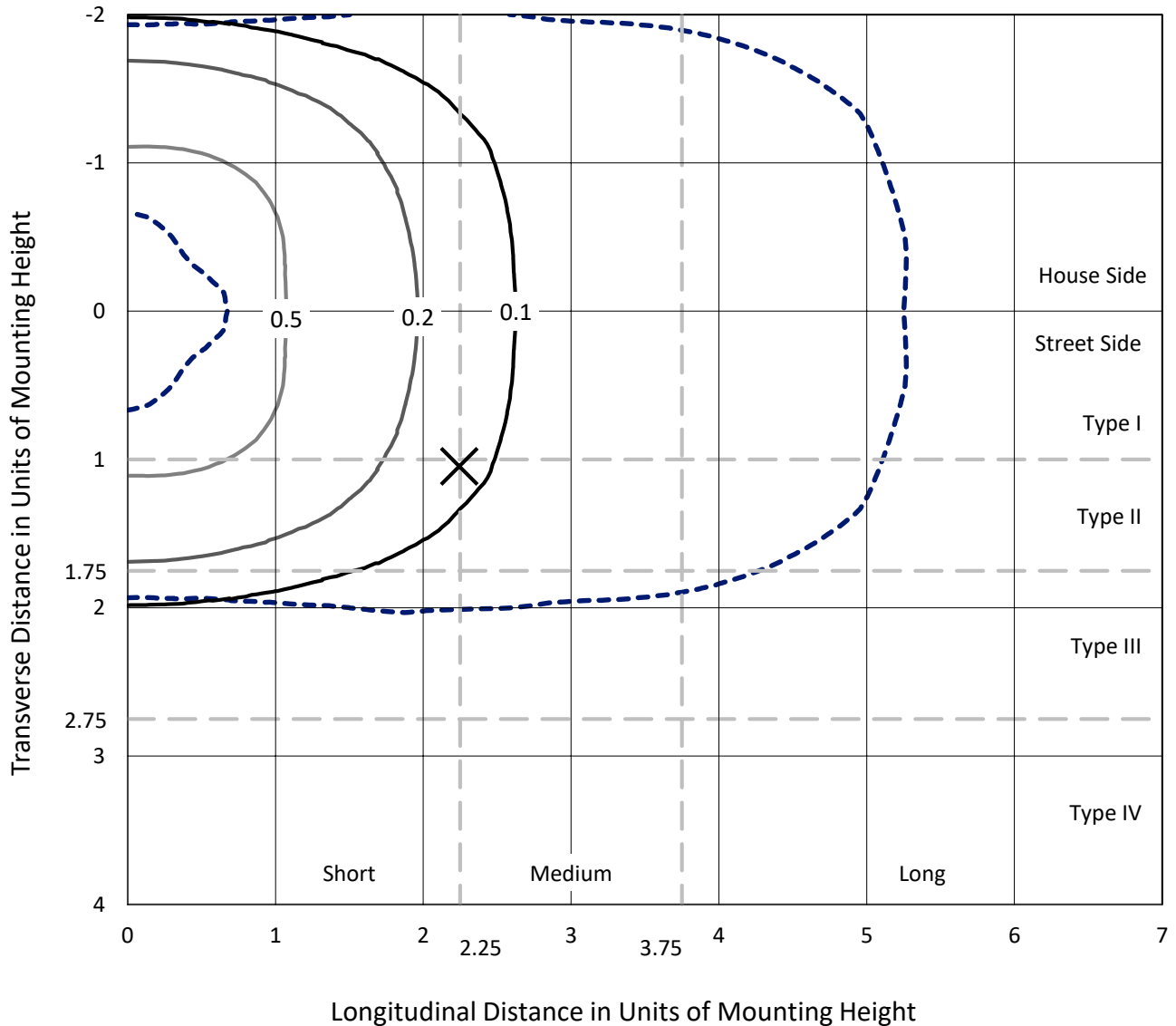
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

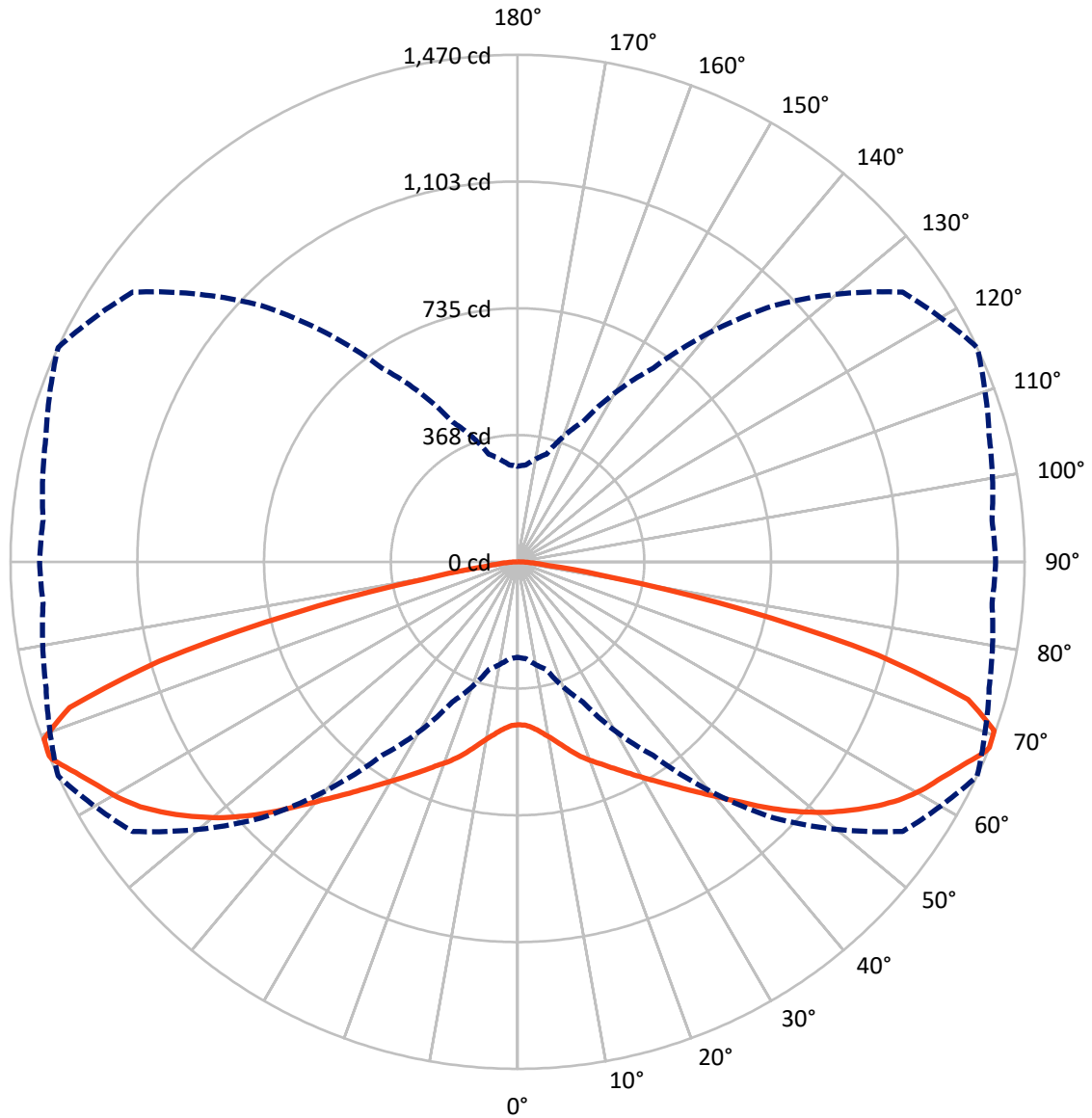
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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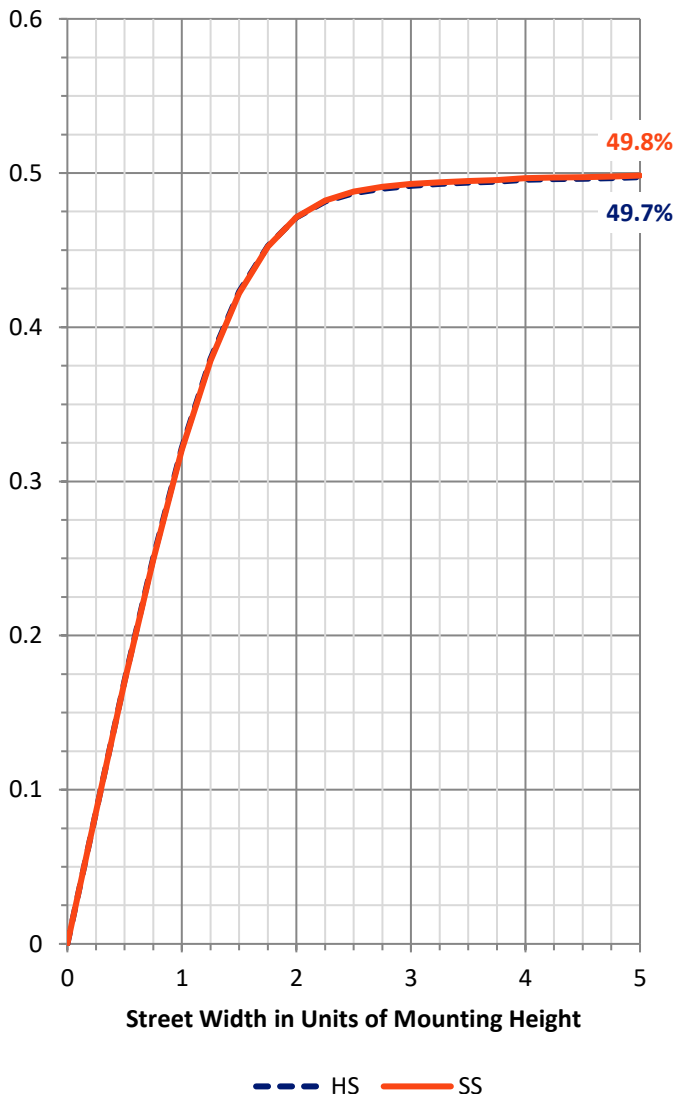
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2271.0	0.0	2271.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2271.0	0.0	2271.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4542.0	0.0	4542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	1.0
10°-20°	154.8	3.4
20°-30°	301.9	6.6
30°-40°	507.1	11.2
40°-50°	799.0	17.6
50°-60°	1068.6	23.5
60°-70°	1038.8	22.9
70°-80°	567.8	12.5
80°-90°	57.8	1.3
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°	4542.0	100.0
0°-180°	4542.0	100.0

Coefficient of Utilization

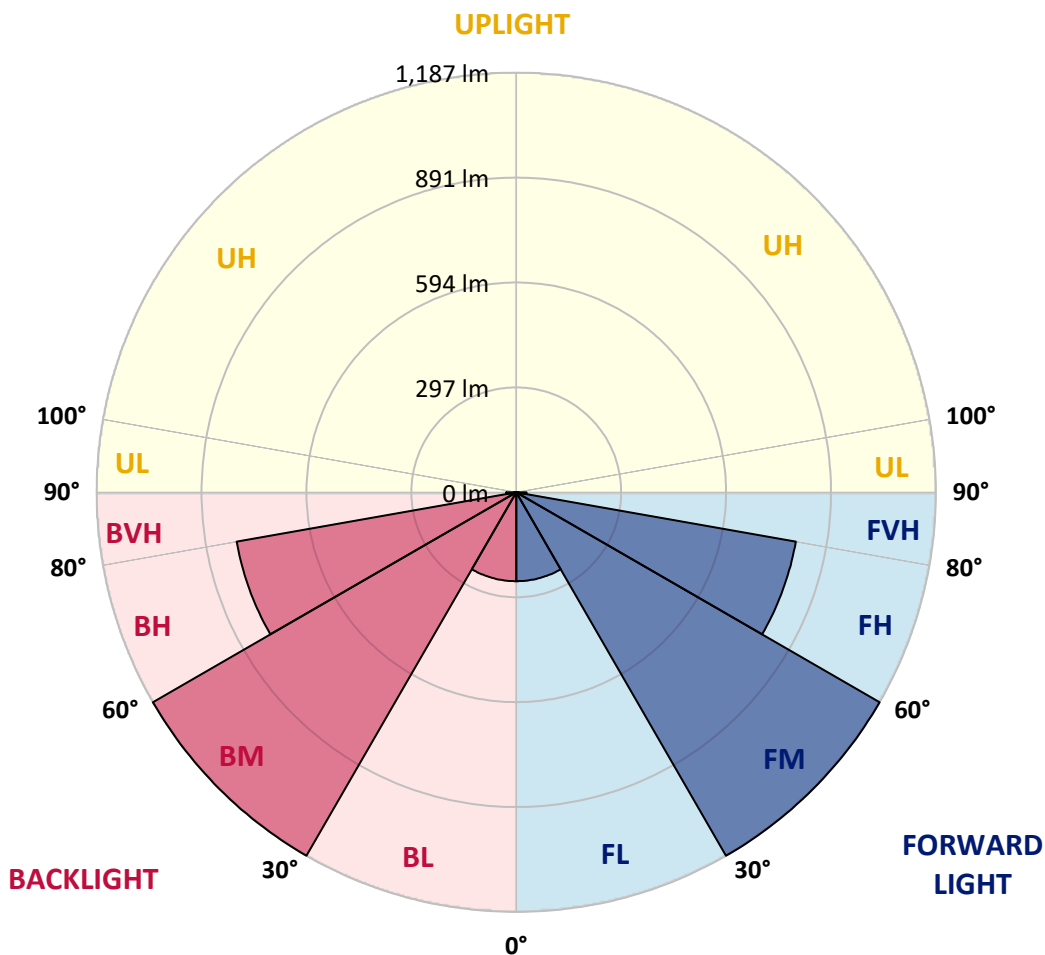


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.5	5.5			
FM (30°-60°)	1187.4	26.1			
FH (60°-80°)	803.3	17.7			G1/1800
FVH (80°-90°)	28.9	0.6			G1/100
BL (0°-30°)	251.5	5.5	B1/500		
BM (30°-60°)	1187.4	26.1	B2/2500		
BH (60°-80°)	803.3	17.7	B2/1000		G2/1000
BVH (80°-90°)	28.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	472.3	472.3	472.3	472.3	472.3	472.3	472.3	472.3	472.3	472.3	472.3
2.5°	468.9	469.1	469.8	470.7	471.5	473.5	473.9	474.7	475.0	475.8	475.8
5°	464.8	465.1	466.9	469.4	472.1	477.0	480.5	484.4	486.4	488.6	488.4
7.5°	464.3	465.1	467.7	471.7	476.2	484.3	491.6	499.5	504.9	509.7	509.4
10°	469.1	470.3	473.9	479.9	486.7	496.8	507.6	518.3	527.5	535.0	535.3
12.5°	476.2	477.7	483.5	492.5	502.9	515.8	528.6	540.6	553.4	564.6	565.5
15°	485.7	487.6	496.3	509.7	525.6	540.9	554.7	567.0	581.8	597.1	598.7
17.5°	499.7	502.4	513.8	532.0	552.8	569.7	584.0	593.3	605.7	621.5	624.4
20°	521.0	524.5	539.0	560.6	586.0	603.7	614.7	616.6	622.7	636.9	640.2
22.5°	548.7	551.8	567.9	593.6	622.1	641.3	647.1	639.2	638.6	650.0	653.2
25°	579.6	582.4	601.1	630.0	660.6	681.8	681.7	666.3	655.6	664.5	667.8
27.5°	614.4	618.6	636.6	667.0	699.8	720.7	719.4	695.7	675.4	677.7	680.6
30°	654.3	659.0	676.5	707.4	740.1	760.6	759.0	727.7	697.2	691.1	693.2
32.5°	703.7	709.4	726.0	756.4	785.4	803.8	799.4	762.4	723.4	710.1	712.1
35°	763.3	766.6	784.2	814.2	837.6	850.3	841.0	802.6	756.6	740.6	740.6
37.5°	823.6	826.2	845.8	874.9	897.6	904.3	886.2	846.6	800.0	777.3	777.8
40°	881.5	888.5	910.6	940.4	962.8	964.6	940.6	896.9	848.3	824.8	827.6
42.5°	941.9	948.8	975.1	1008.9	1028.7	1031.8	1003.6	953.2	902.8	883.8	886.8
45°	995.8	1001.3	1031.8	1071.1	1095.7	1103.7	1070.3	1017.8	961.7	943.2	943.9
47.5°	1033.5	1040.6	1074.1	1120.4	1156.4	1168.5	1135.8	1080.7	1019.8	997.2	999.2
50°	1067.6	1071.4	1105.3	1155.9	1201.6	1226.7	1198.7	1142.8	1078.4	1054.5	1056.6
52.5°	1086.6	1091.5	1124.4	1177.1	1231.1	1271.6	1254.6	1198.7	1135.0	1111.7	1114.3
55°	1073.4	1077.0	1116.5	1181.8	1249.4	1299.4	1302.0	1253.4	1190.6	1170.2	1177.5
57.5°	1013.1	1017.6	1065.7	1151.3	1251.7	1318.1	1337.6	1304.1	1242.6	1226.0	1230.2
60°	918.8	921.7	973.0	1069.3	1207.2	1325.9	1360.3	1345.5	1293.4	1276.8	1282.6
62.5°	750.8	755.1	816.4	945.4	1113.3	1302.9	1382.2	1379.8	1340.8	1325.6	1330.7
65°	513.2	520.7	588.6	751.7	968.4	1232.5	1402.2	1419.7	1382.7	1363.5	1370.3
67.5°	309.9	315.4	364.6	496.3	741.1	1090.6	1381.6	1465.1	1412.2	1381.3	1386.9
68°	277.0	282.0	323.2	447.9	685.5	1050.5	1362.9	1470.2	1415.4	1381.0	1386.0
70°	167.4	170.7	198.3	276.9	457.0	833.3	1235.1	1466.0	1435.8	1385.3	1388.2
72.5°	109.0	110.1	114.7	142.1	233.5	466.0	927.0	1366.1	1466.4	1410.1	1409.6
75°	90.6	90.0	90.5	93.7	115.1	204.4	541.7	1079.1	1397.9	1370.9	1361.3
77.5°	76.6	76.1	76.0	76.1	77.1	98.7	235.1	672.2	1069.7	1212.7	1221.2
80°	62.0	61.4	63.4	62.4	59.7	61.4	98.5	279.6	504.2	542.5	508.4
82.5°	45.1	42.8	51.3	48.9	46.6	43.3	54.4	90.3	120.3	82.5	58.0
85°	34.7	32.3	39.0	37.5	32.0	22.1	32.3	44.2	48.7	27.9	21.9
87.5°	14.2	14.9	28.2	22.2	18.7	10.7	13.2	17.7	23.8	11.9	9.1
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)