

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: P317025

Luminaire Tested: **GAN-SA1A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317025
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-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4170 lumens
Efficiency: N/A
Efficacy: 122.6 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

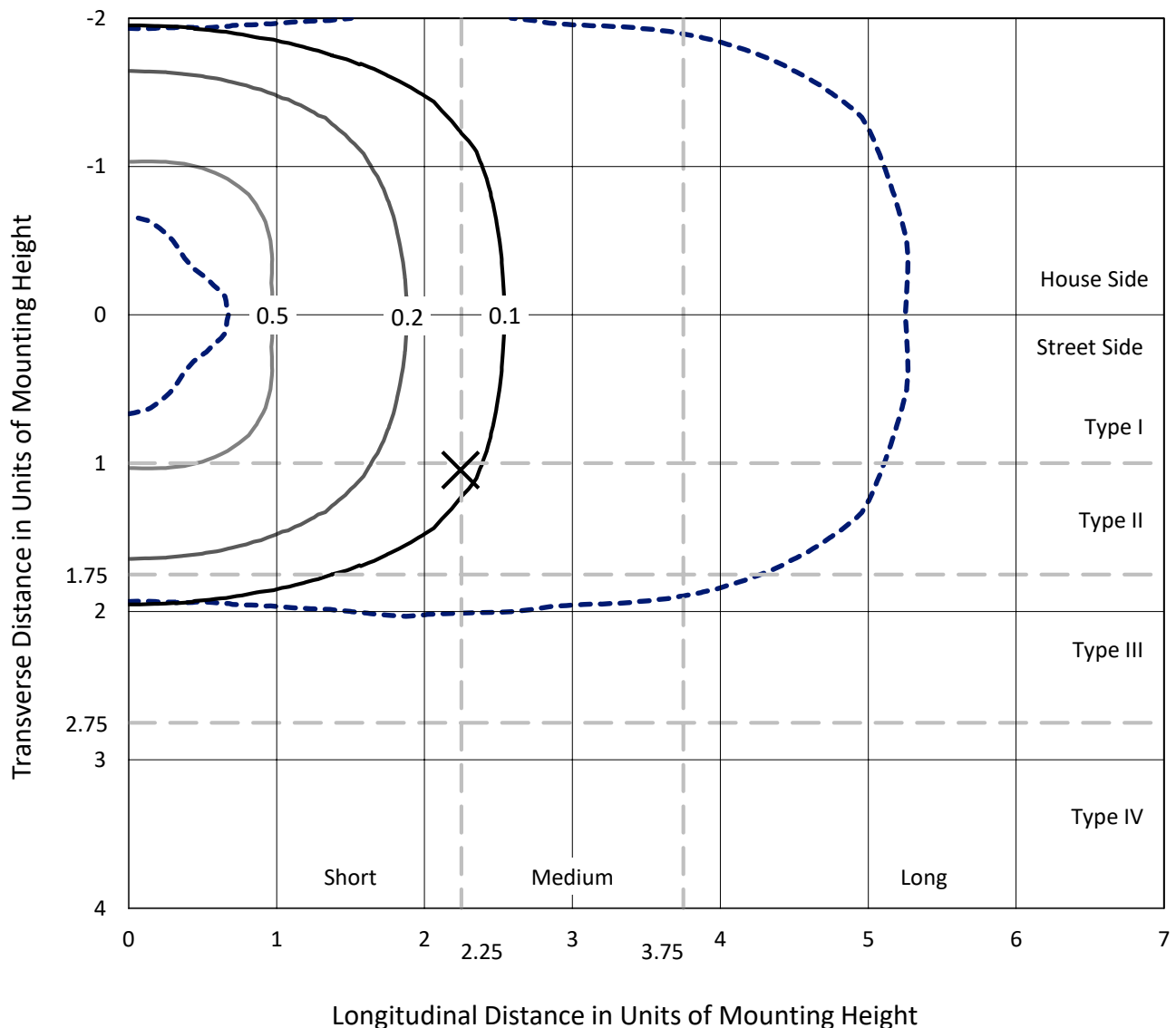
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

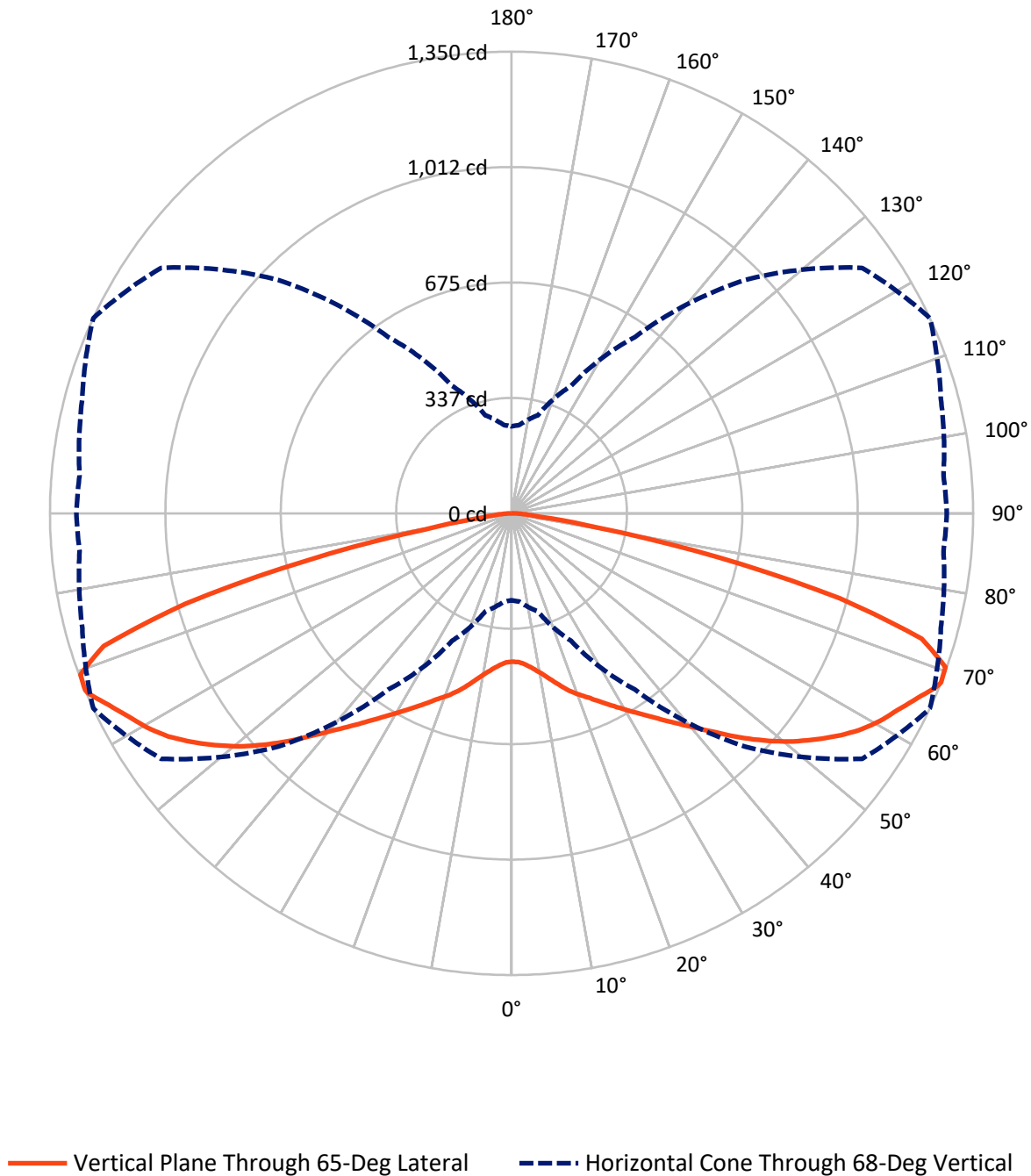
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2085.0	0.0	2085.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2085.0	0.0	2085.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4170.0	0.0	4170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.0
10°-20°	142.1	3.4
20°-30°	277.1	6.6
30°-40°	465.6	11.2
40°-50°	733.6	17.6
50°-60°	981.0	23.5
60°-70°	953.7	22.9
70°-80°	521.3	12.5
80°-90°	53.0	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°	4170.0	100.0
0°-180°	4170.0	100.0

Coefficient of Utilization



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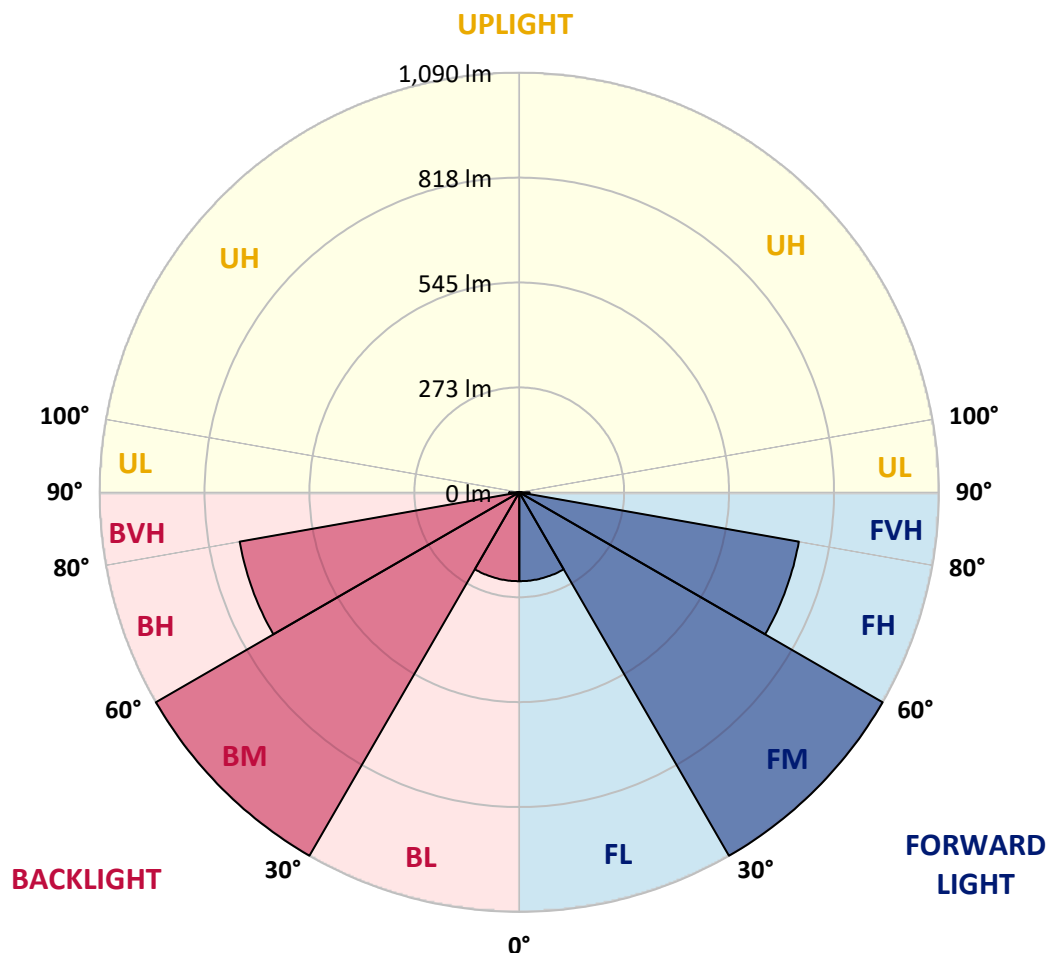
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	230.9	5.5			
FM	(30°-60°)	1090.1	26.1			
FH	(60°-80°)	737.5	17.7			G1/1800
FVH	(80°-90°)	26.5	0.6			G1/100
BL	(0°-30°)	230.9	5.5	B1/500		
BM	(30°-60°)	1090.1	26.1	B2/2500		
BH	(60°-80°)	737.5	17.7	B2/1000		G2/1000
BVH	(80°-90°)	26.5	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°	433.6	433.6	433.6	433.6	433.6	433.6	433.6	433.6	433.6	433.6	433.6
2.5°	430.5	430.6	431.3	432.2	432.9	434.7	435.1	435.8	436.1	436.8	436.8
5°	426.7	427.0	428.7	430.9	433.4	437.9	441.1	444.8	446.6	448.5	448.4
7.5°	426.3	427.0	429.4	433.0	437.2	444.6	451.3	458.6	463.5	468.0	467.7
10°	430.6	431.8	435.1	440.6	446.9	456.1	466.0	475.8	484.3	491.2	491.5
12.5°	437.2	438.6	443.9	452.2	461.7	473.6	485.3	496.4	508.1	518.3	519.2
15°	445.9	447.7	455.7	468.0	482.5	496.6	509.2	520.5	534.1	548.2	549.6
17.5°	458.7	461.3	471.8	488.4	507.5	523.1	536.2	544.7	556.1	570.6	573.3
20°	478.3	481.5	494.8	514.7	538.0	554.2	564.3	566.1	571.7	584.7	587.8
22.5°	503.8	506.6	521.4	545.0	571.2	588.8	594.1	586.8	586.3	596.8	599.7
25°	532.2	534.7	551.9	578.4	606.5	626.0	625.8	611.7	601.9	610.0	613.1
27.5°	564.0	567.9	584.4	612.4	642.5	661.6	660.5	638.7	620.1	622.2	624.9
30°	600.7	605.0	621.1	649.5	679.5	698.3	696.9	668.1	640.1	634.5	636.5
32.5°	646.1	651.3	666.5	694.5	721.1	738.0	733.9	699.9	664.1	652.0	653.8
35°	700.8	703.9	719.9	747.5	769.0	780.6	772.1	736.9	694.6	679.9	679.9
37.5°	756.1	758.5	776.6	803.3	824.1	830.3	813.6	777.3	734.5	713.6	714.1
40°	809.3	815.7	836.0	863.4	883.9	885.6	863.5	823.4	778.8	757.3	759.8
42.5°	864.8	871.1	895.3	926.3	944.5	947.3	921.4	875.1	828.9	811.4	814.2
45°	914.3	919.3	947.3	983.4	1006.0	1013.3	982.7	934.4	883.0	865.9	866.6
47.5°	948.8	955.4	986.2	1028.7	1061.7	1072.8	1042.8	992.2	936.2	915.5	917.4
50°	980.1	983.6	1014.8	1061.2	1103.2	1126.3	1100.5	1049.2	990.1	968.1	970.1
52.5°	997.6	1002.1	1032.3	1080.7	1130.3	1167.5	1151.8	1100.5	1042.1	1020.7	1023.1
55°	985.5	988.8	1025.0	1085.0	1147.1	1192.9	1195.3	1150.7	1093.1	1074.4	1081.1
57.5°	930.1	934.3	978.5	1057.0	1149.2	1210.1	1228.0	1197.3	1140.8	1125.6	1129.5
60°	843.5	846.2	893.3	981.7	1108.4	1217.3	1248.9	1235.3	1187.5	1172.3	1177.6
62.5°	689.3	693.2	749.6	868.0	1022.1	1196.2	1269.0	1266.8	1231.0	1217.0	1221.7
65°	471.2	478.0	540.4	690.2	889.1	1131.6	1287.3	1303.4	1269.4	1251.8	1258.1
67.5°	284.5	289.6	334.7	455.7	680.4	1001.3	1268.4	1345.1	1296.6	1268.2	1273.3
68°	254.3	258.9	296.7	411.2	629.3	964.5	1251.2	1349.8	1299.5	1267.9	1272.5
70°	153.7	156.7	182.0	254.2	419.6	765.1	1133.9	1345.9	1318.2	1271.8	1274.5
72.5°	100.1	101.1	105.3	130.5	214.3	427.8	851.1	1254.2	1346.3	1294.6	1294.2
75°	83.2	82.6	83.1	86.0	105.7	187.6	497.3	990.8	1283.4	1258.7	1249.9
77.5°	70.3	69.9	69.8	69.9	70.7	90.6	215.9	617.2	982.1	1113.4	1121.2
80°	56.9	56.3	58.2	57.3	54.8	56.3	90.5	256.7	462.9	498.0	466.7
82.5°	41.4	39.3	47.1	44.9	42.8	39.7	49.9	82.9	110.5	75.8	53.3
85°	31.9	29.6	35.8	34.4	29.4	20.3	29.6	40.5	44.7	25.6	20.1
87.5°	13.0	13.7	25.9	20.4	17.2	9.8	12.2	16.2	21.8	10.9	8.4
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)