

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: P316705

Luminaire Tested: **GAN-SA1A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4209 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

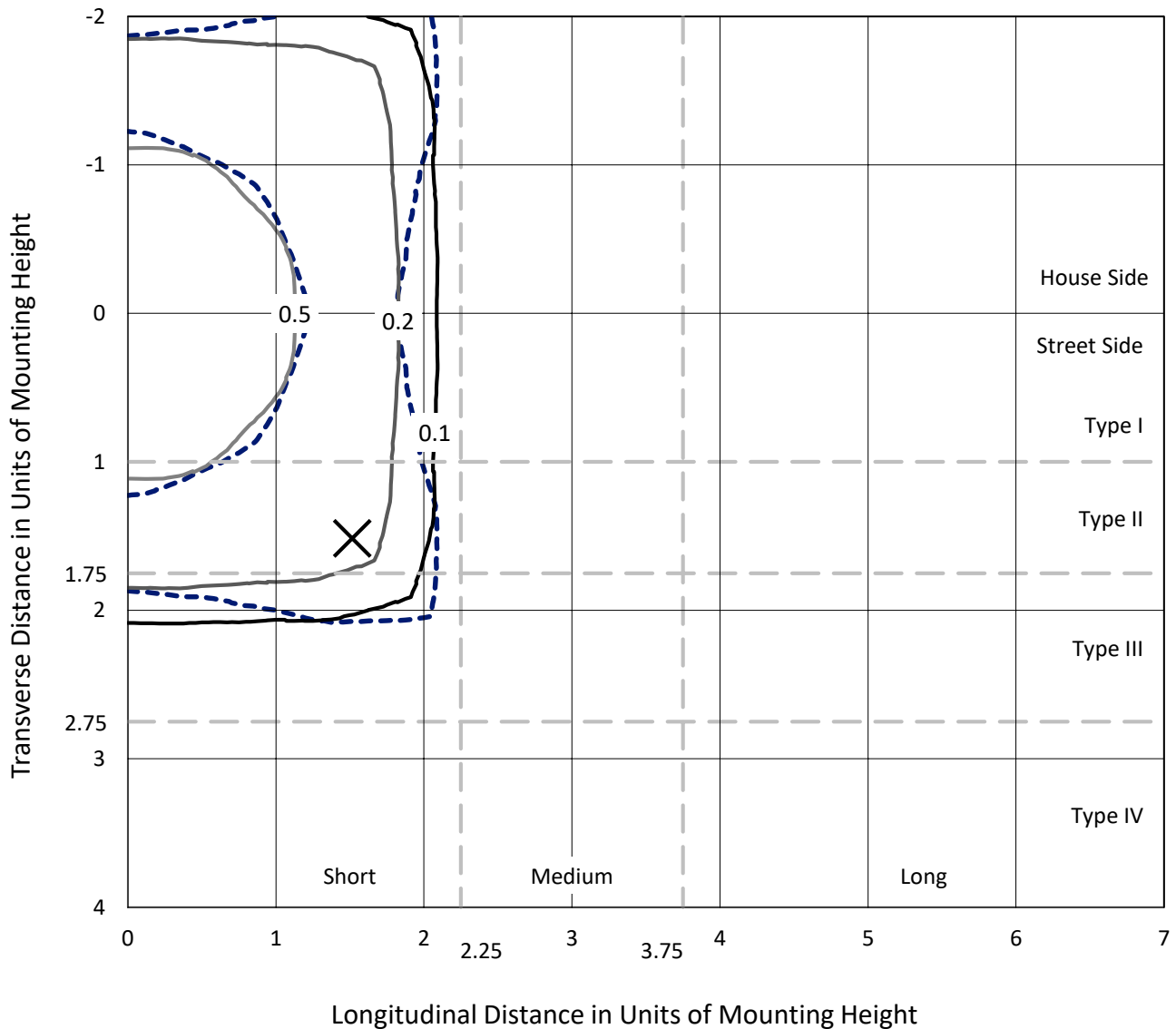
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

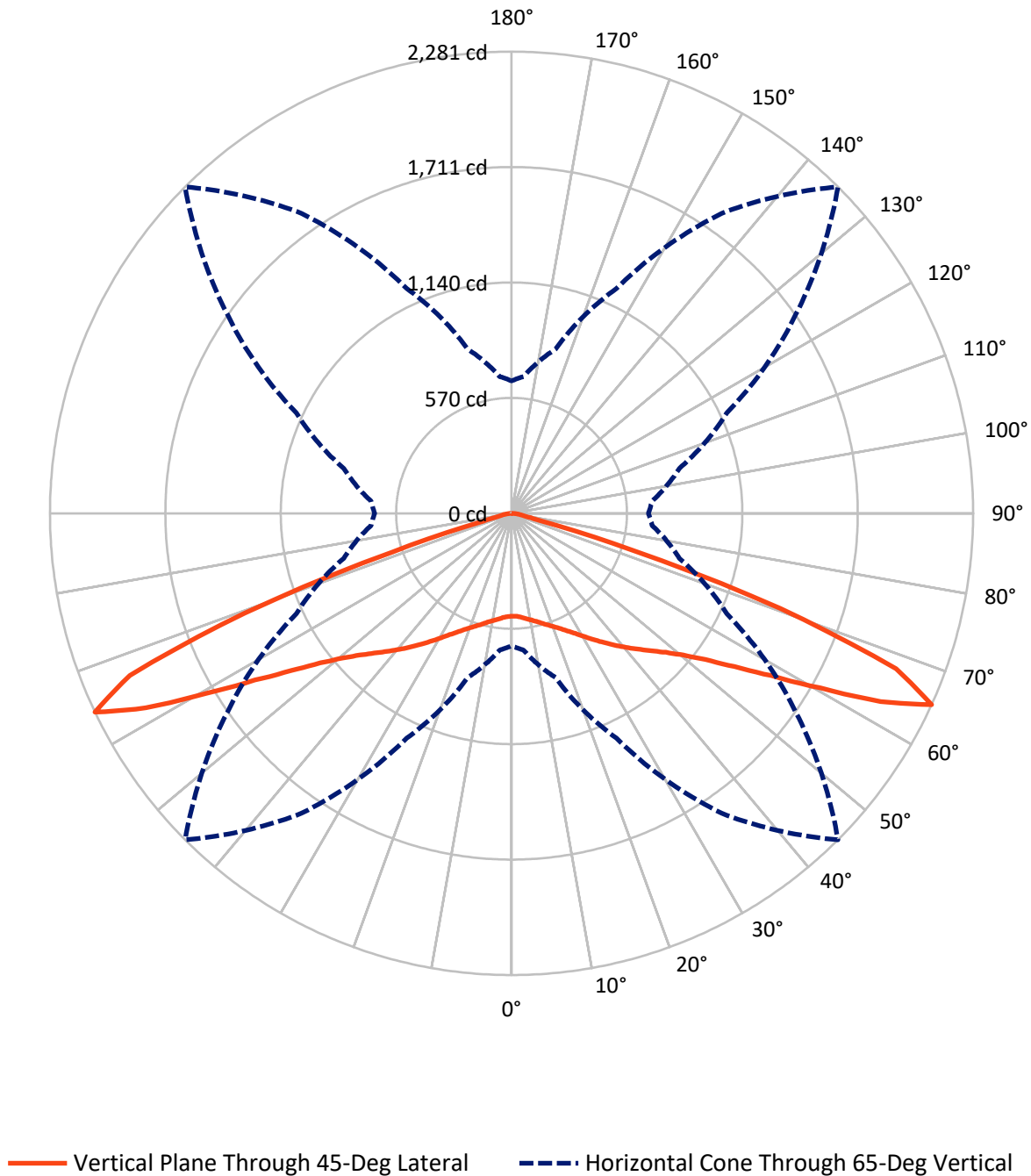
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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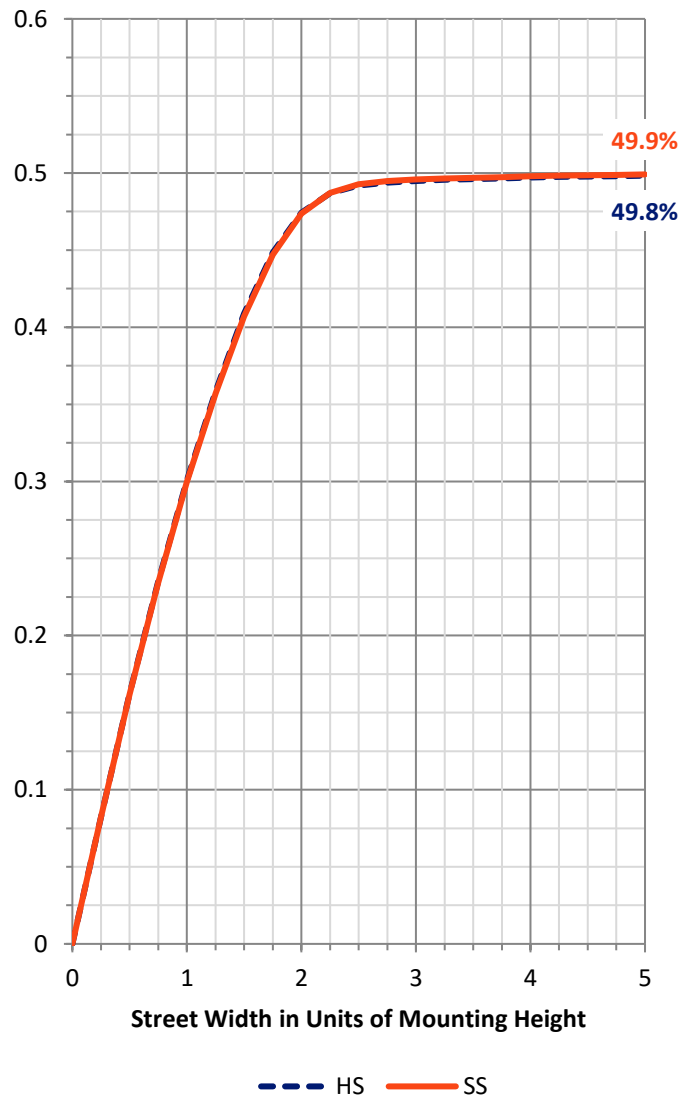
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2104.5	0.0	2104.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2104.5	0.0	2104.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4209.0	0.0	4209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	1.2
10°-20°	160.3	3.8
20°-30°	300.7	7.1
30°-40°	497.4	11.8
40°-50°	770.4	18.3
50°-60°	1181.5	28.1
60°-70°	1102.5	26.2
70°-80°	128.3	3.0
80°-90°	18.0	0.4
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°	4209.0	100.0
0°-180°	4209.0	100.0

Coefficient of Utilization



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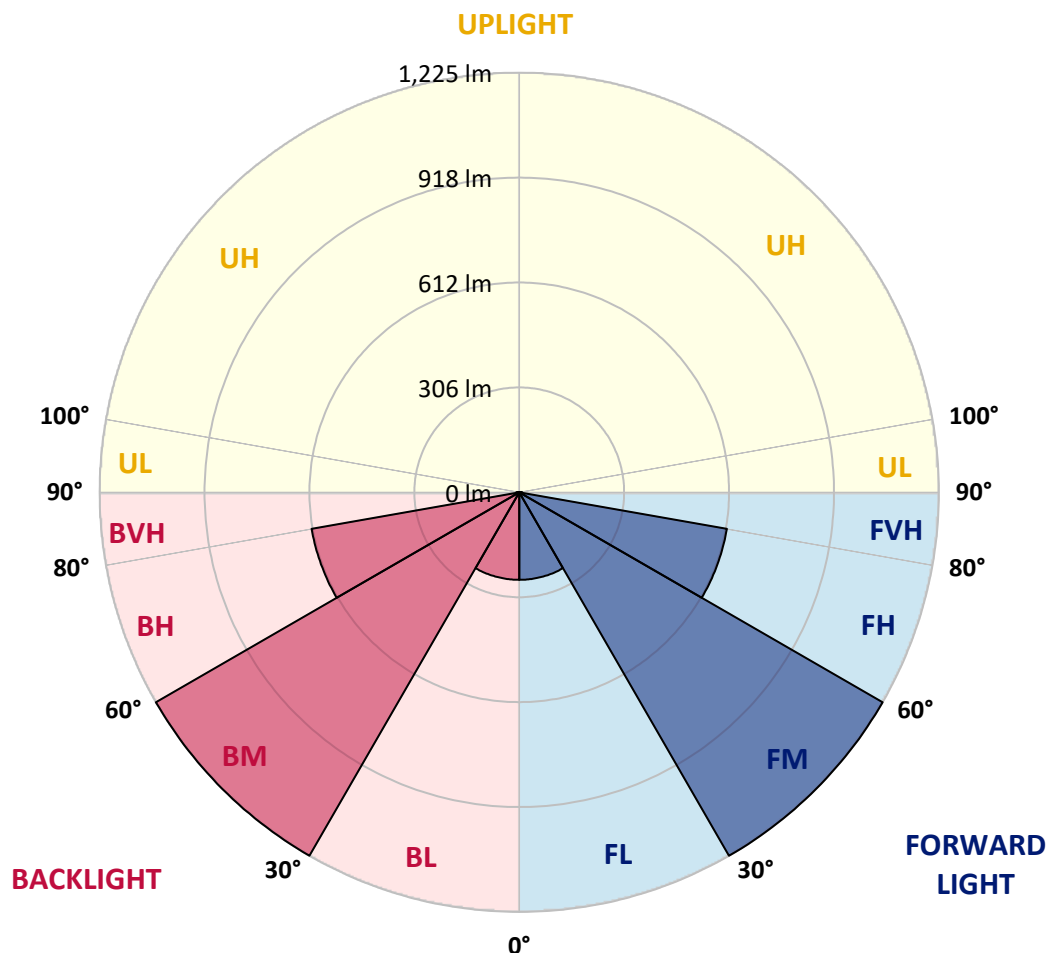
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.5	6.1			
FM	(30°-60°)	1224.6	29.1			
FH	(60°-80°)	615.4	14.6			G0/660
FVH	(80°-90°)	9.0	0.2			G0/10
BL	(0°-30°)	255.5	6.1	B1/500		
BM	(30°-60°)	1224.6	29.1	B2/2500		
BH	(60°-80°)	615.4	14.6	B2/1000		G0/660
BVH	(80°-90°)	9.0	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3
2.5°	510.0	509.7	510.0	510.1	509.3	509.7	509.5	510.2	510.5	510.2	510.2
5°	515.8	515.4	516.0	516.7	515.6	515.8	515.4	516.3	516.5	516.0	516.4
7.5°	523.9	524.1	524.6	525.9	525.2	525.8	524.9	525.1	524.9	524.1	524.2
10°	532.7	532.9	533.9	535.5	535.8	535.8	535.3	534.8	534.3	533.7	533.9
12.5°	543.4	544.1	544.8	546.9	546.9	548.0	547.7	546.6	545.6	544.8	544.8
15°	557.7	557.6	558.4	560.5	561.5	563.3	563.3	561.8	560.5	559.7	559.4
17.5°	572.8	573.3	573.8	576.3	577.9	580.0	580.2	579.0	578.1	577.0	576.3
20°	590.4	591.1	593.4	594.4	595.8	597.7	598.4	598.1	597.3	596.7	596.9
22.5°	611.0	612.8	614.2	615.6	617.3	618.7	619.4	620.3	619.5	619.1	618.8
25°	635.9	637.1	639.9	642.4	643.5	644.0	644.8	646.2	646.1	645.1	645.1
27.5°	664.1	666.4	669.9	673.6	673.6	672.2	675.0	677.3	676.5	675.3	673.6
30°	698.3	700.5	704.6	709.6	707.1	706.1	709.9	714.2	713.0	710.9	710.6
32.5°	735.2	737.3	742.6	748.0	744.8	743.4	747.5	753.8	751.5	747.3	744.8
35°	775.1	777.2	784.8	791.4	785.9	783.5	786.9	793.7	789.8	782.0	780.0
37.5°	818.6	819.7	829.5	836.2	832.4	826.1	830.3	835.4	832.0	822.5	818.7
40°	863.7	867.8	879.1	886.9	880.4	870.4	877.4	884.4	879.4	867.2	860.8
42.5°	916.4	919.5	934.6	941.6	930.9	917.0	926.5	936.0	930.9	919.2	913.6
45°	971.2	975.9	993.9	1000.9	985.6	967.8	979.4	996.0	995.6	978.7	972.8
47.5°	1030.8	1035.6	1057.1	1066.3	1049.7	1025.9	1042.3	1065.8	1064.1	1045.5	1040.8
50°	1099.7	1104.7	1131.6	1143.2	1127.7	1100.0	1124.6	1145.3	1142.2	1119.3	1119.7
52.5°	1186.2	1185.9	1219.3	1239.4	1223.5	1199.1	1221.7	1241.8	1229.1	1197.4	1196.4
55°	1261.9	1266.5	1307.9	1346.0	1345.1	1335.7	1344.8	1345.6	1309.3	1267.1	1261.9
57.5°	1311.7	1320.5	1378.7	1447.7	1499.4	1511.9	1494.3	1440.9	1355.8	1288.3	1280.1
60°	1281.1	1294.5	1386.0	1526.7	1679.0	1752.0	1652.7	1487.1	1319.6	1225.6	1214.4
62.5°	1074.6	1097.2	1231.2	1488.5	1833.5	2047.1	1767.6	1413.0	1175.7	1046.2	1027.1
65°	654.4	678.3	839.8	1225.2	1808.5	2280.7	1715.2	1172.8	858.1	697.0	676.4
67.5°	218.1	225.1	320.2	677.2	1421.3	2049.2	1423.7	702.1	373.5	247.6	240.3
70°	85.4	86.1	101.6	196.3	671.2	1407.5	740.6	199.8	106.2	84.0	85.8
72.5°	62.7	63.0	67.3	82.0	174.9	620.1	181.2	82.4	65.5	58.8	58.8
75°	50.4	50.4	53.5	59.8	78.4	142.2	79.5	59.1	51.3	46.9	46.4
77.5°	39.8	40.7	43.0	47.1	53.1	68.5	55.0	46.8	41.4	37.3	36.5
80°	29.6	30.5	34.4	36.3	38.1	47.5	40.7	36.6	32.7	27.9	27.1
82.5°	19.4	20.3	25.1	26.3	25.8	31.0	27.4	27.0	24.0	18.0	17.2
85°	12.7	13.0	16.8	17.5	16.1	14.1	17.5	18.4	16.8	11.7	11.3
87.5°	6.0	6.0	8.5	8.0	7.3	5.9	8.0	9.4	9.5	5.7	5.6
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)