

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: P316715

Luminaire Tested: **GAN-SA1B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316715
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-SA1B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5162 lumens
Efficiency: N/A
Efficacy: 117.3 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

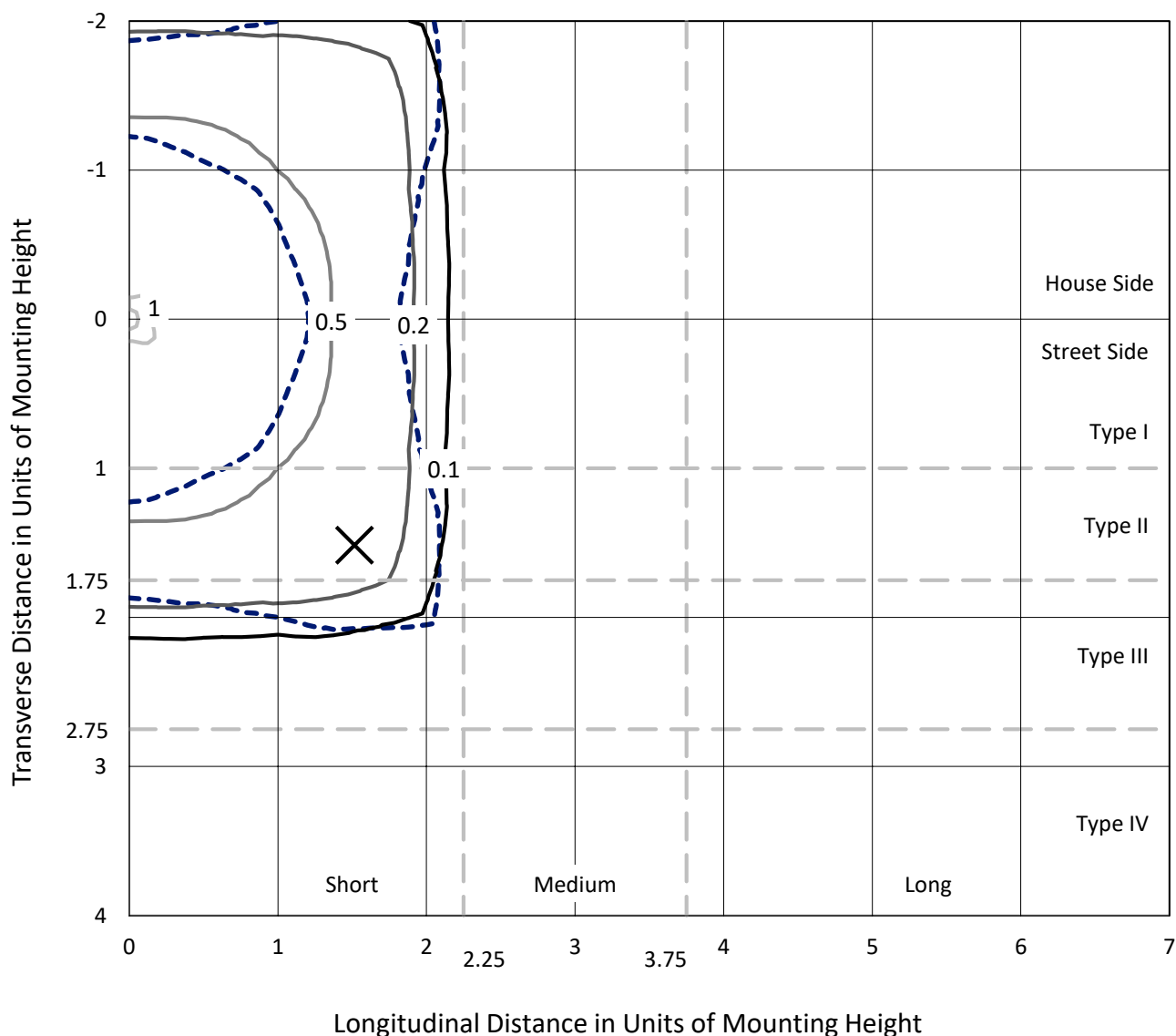
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

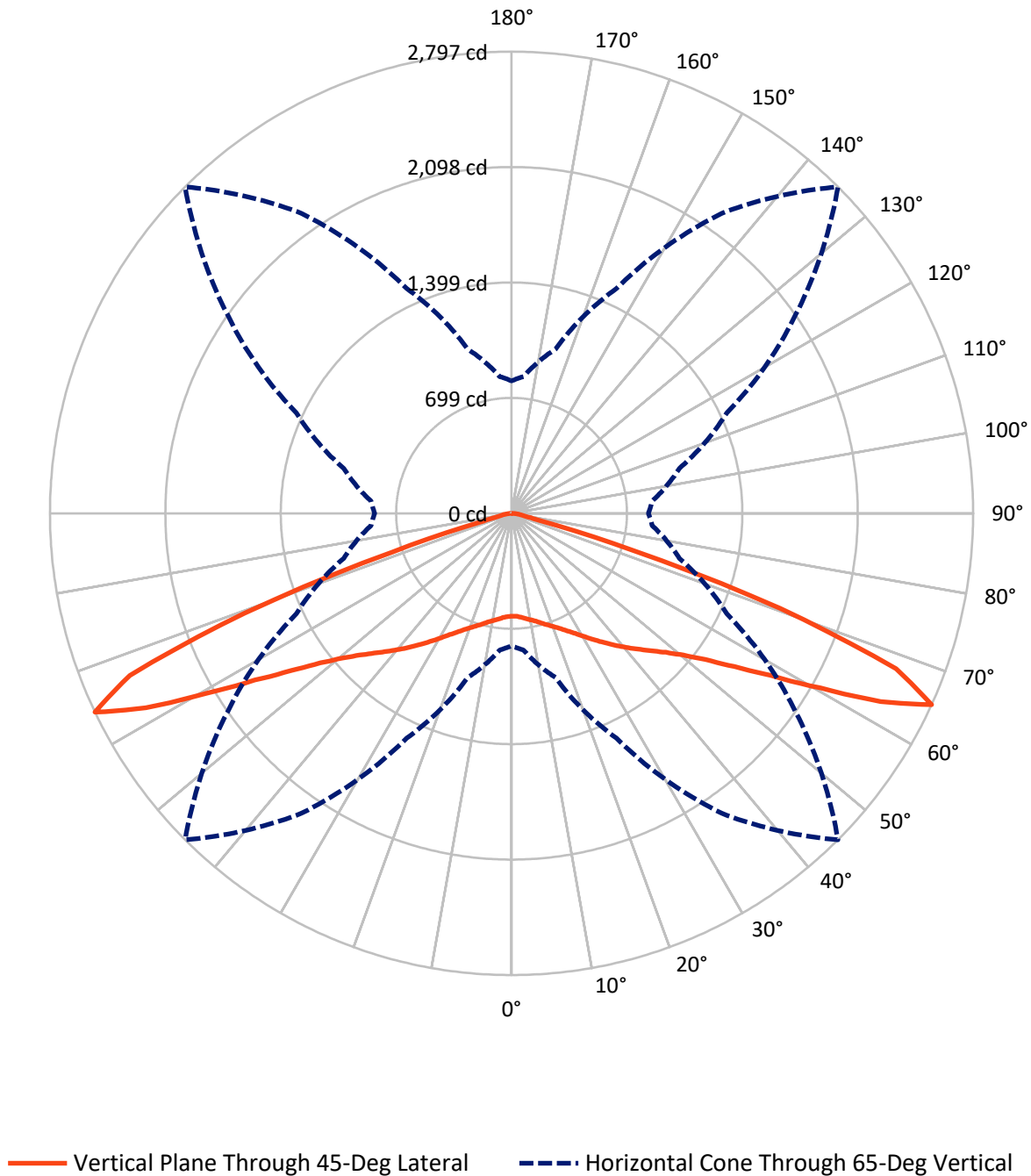
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	2581.0	0.0	2581.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2581.0	0.0	2581.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5162.0	0.0	5162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	1.2
10°-20°	196.6	3.8
20°-30°	368.8	7.1
30°-40°	610.0	11.8
40°-50°	944.8	18.3
50°-60°	1449.0	28.1
60°-70°	1352.1	26.2
70°-80°	157.4	3.0
80°-90°	22.1	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°	5162.0	100.0
0°-180°	5162.0	100.0

Coefficient of Utilization



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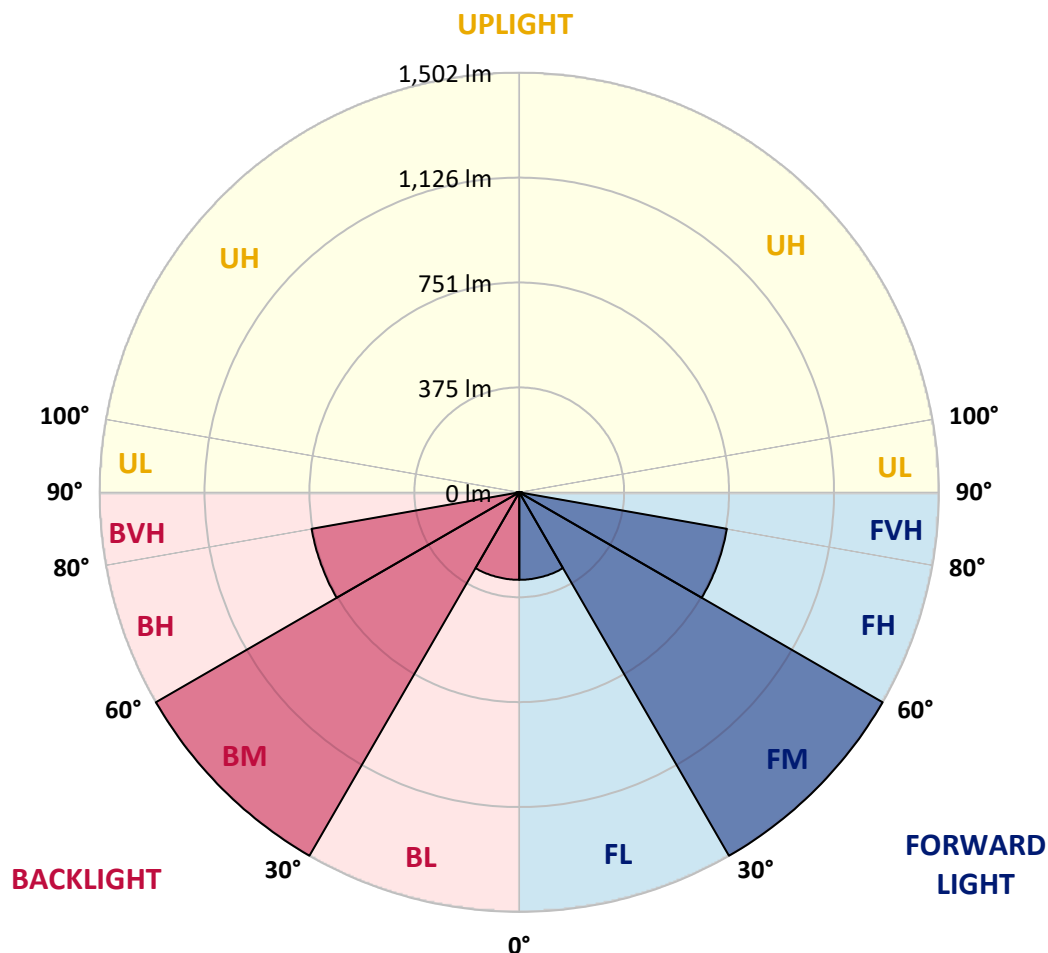
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.3	6.1			
FM	(30°-60°)	1501.9	29.1			
FH	(60°-80°)	754.7	14.6			G1/1800
FVH	(80°-90°)	11.1	0.2			G1/100
BL	(0°-30°)	313.3	6.1	B1/500		
BM	(30°-60°)	1501.9	29.1	B2/2500		
BH	(60°-80°)	754.7	14.6	B2/1000		G1/1800
BVH	(80°-90°)	11.1	0.2			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°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	625.4	625.1	625.4	625.6	624.6	625.1	624.9	625.8	626.1	625.8	625.8
5°	632.6	632.1	632.8	633.7	632.3	632.6	632.1	633.1	633.5	632.8	633.3
7.5°	642.6	642.7	643.4	645.0	644.1	644.8	643.8	643.9	643.8	642.7	642.9
10°	653.4	653.5	654.7	656.8	657.1	657.1	656.4	655.9	655.2	654.6	654.7
12.5°	666.4	667.2	668.1	670.7	670.7	672.0	671.7	670.3	669.1	668.1	668.1
15°	684.0	683.9	684.9	687.5	688.7	690.9	690.9	689.0	687.5	686.4	686.1
17.5°	702.5	703.1	703.7	706.8	708.7	711.3	711.6	710.1	709.1	707.7	706.8
20°	724.1	725.0	727.7	728.9	730.6	733.0	733.9	733.6	732.5	731.8	732.0
22.5°	749.3	751.5	753.3	755.0	757.0	758.7	759.6	760.8	759.8	759.3	758.9
25°	779.8	781.4	784.8	787.9	789.2	789.8	790.8	792.5	792.3	791.1	791.1
27.5°	814.4	817.3	821.6	826.1	826.1	824.4	827.8	830.7	829.7	828.1	826.1
30°	856.4	859.2	864.1	870.3	867.2	866.0	870.6	875.9	874.4	871.8	871.5
32.5°	901.7	904.2	910.7	917.4	913.5	911.8	916.7	924.4	921.7	916.6	913.5
35°	950.7	953.2	962.5	970.5	963.9	960.9	965.1	973.4	968.7	959.1	956.7
37.5°	1003.9	1005.3	1017.3	1025.5	1020.9	1013.2	1018.3	1024.5	1020.4	1008.7	1004.1
40°	1059.3	1064.3	1078.1	1087.7	1079.7	1067.5	1076.1	1084.7	1078.5	1063.6	1055.7
42.5°	1123.9	1127.7	1146.2	1154.7	1141.7	1124.6	1136.2	1147.9	1141.7	1127.3	1120.5
45°	1191.1	1196.9	1219.0	1227.6	1208.7	1187.0	1201.2	1221.6	1221.1	1200.3	1193.1
47.5°	1264.2	1270.1	1296.4	1307.8	1287.4	1258.2	1278.3	1307.1	1305.0	1282.2	1276.4
50°	1348.7	1354.9	1387.8	1402.0	1383.0	1349.1	1379.2	1404.6	1400.8	1372.7	1373.2
52.5°	1454.8	1454.4	1495.4	1520.1	1500.5	1470.5	1498.3	1523.0	1507.4	1468.5	1467.3
55°	1547.6	1553.3	1604.0	1650.8	1649.6	1638.1	1649.3	1650.3	1605.7	1554.0	1547.6
57.5°	1608.6	1619.4	1690.9	1775.5	1838.9	1854.2	1832.6	1767.1	1662.8	1580.0	1569.9
60°	1571.1	1587.6	1699.8	1872.4	2059.1	2148.7	2026.9	1823.9	1618.4	1503.1	1489.4
62.5°	1317.9	1345.6	1509.9	1825.6	2248.6	2510.6	2167.8	1732.9	1441.9	1283.1	1259.6
65°	802.6	831.9	1030.0	1502.6	2218.0	2797.1	2103.5	1438.3	1052.4	854.9	829.5
67.5°	267.5	276.0	392.7	830.5	1743.2	2513.2	1746.1	861.0	458.0	303.6	294.7
70°	104.7	105.6	124.6	240.7	823.2	1726.2	908.3	245.0	130.2	103.0	105.2
72.5°	76.9	77.3	82.6	100.6	214.5	760.5	222.2	101.1	80.4	72.1	72.1
75°	61.9	61.9	65.6	73.3	96.1	174.4	97.5	72.5	62.9	57.6	56.9
77.5°	48.8	49.9	52.8	57.7	65.1	84.0	67.5	57.4	50.7	45.8	44.7
80°	36.3	37.4	42.2	44.6	46.8	58.3	49.9	44.9	40.1	34.3	33.2
82.5°	23.8	24.8	30.8	32.2	31.7	38.0	33.6	33.1	29.5	22.1	21.1
85°	15.6	15.9	20.6	21.4	19.7	17.3	21.4	22.6	20.6	14.4	13.9
87.5°	7.4	7.4	10.5	9.8	8.9	7.2	9.8	11.5	11.7	7.0	6.9
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)