

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: P316595

Luminaire Tested: **GAN-SA1B-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4620 lumens
Efficiency: N/A
Efficacy: 105.0 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

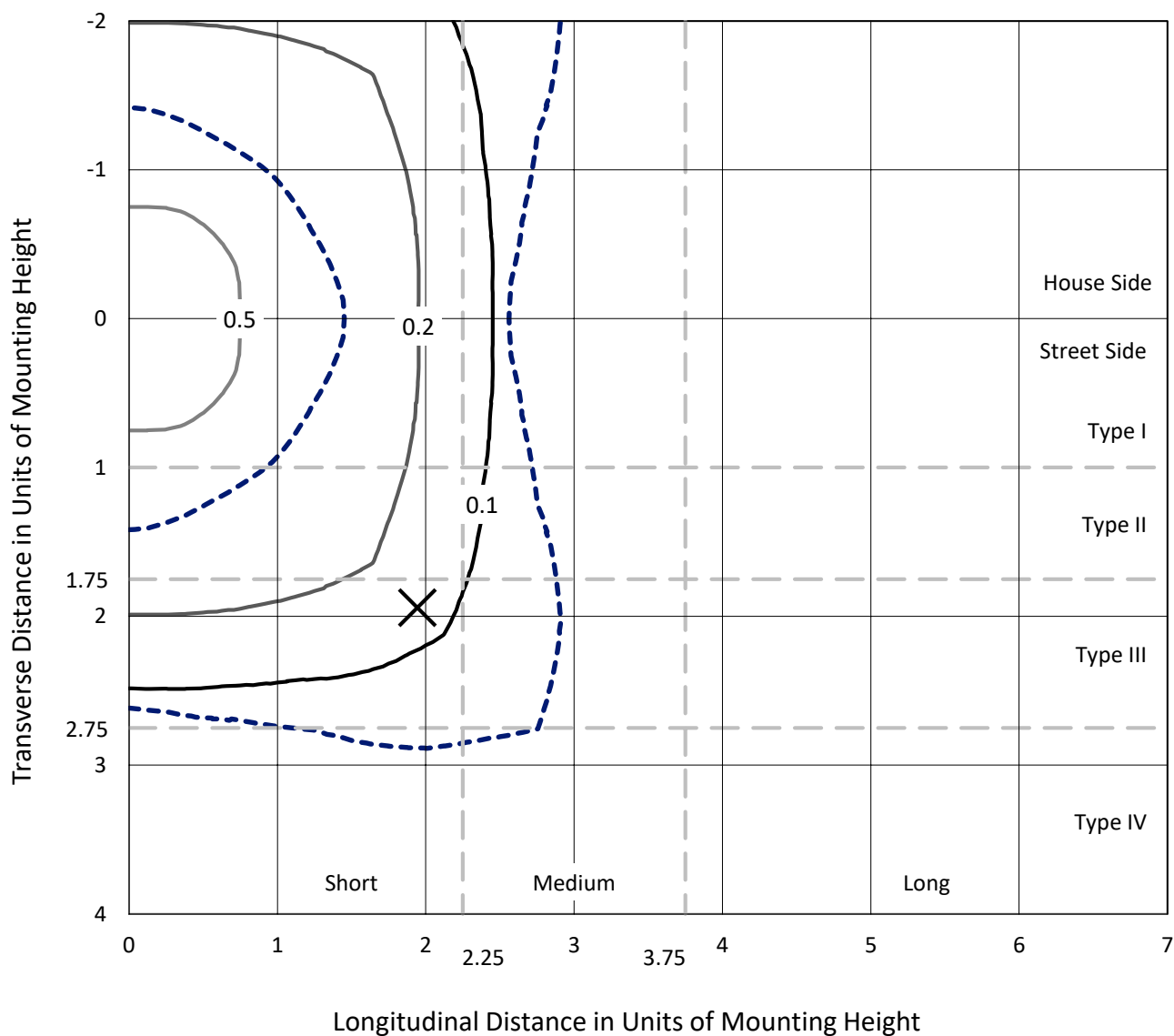
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

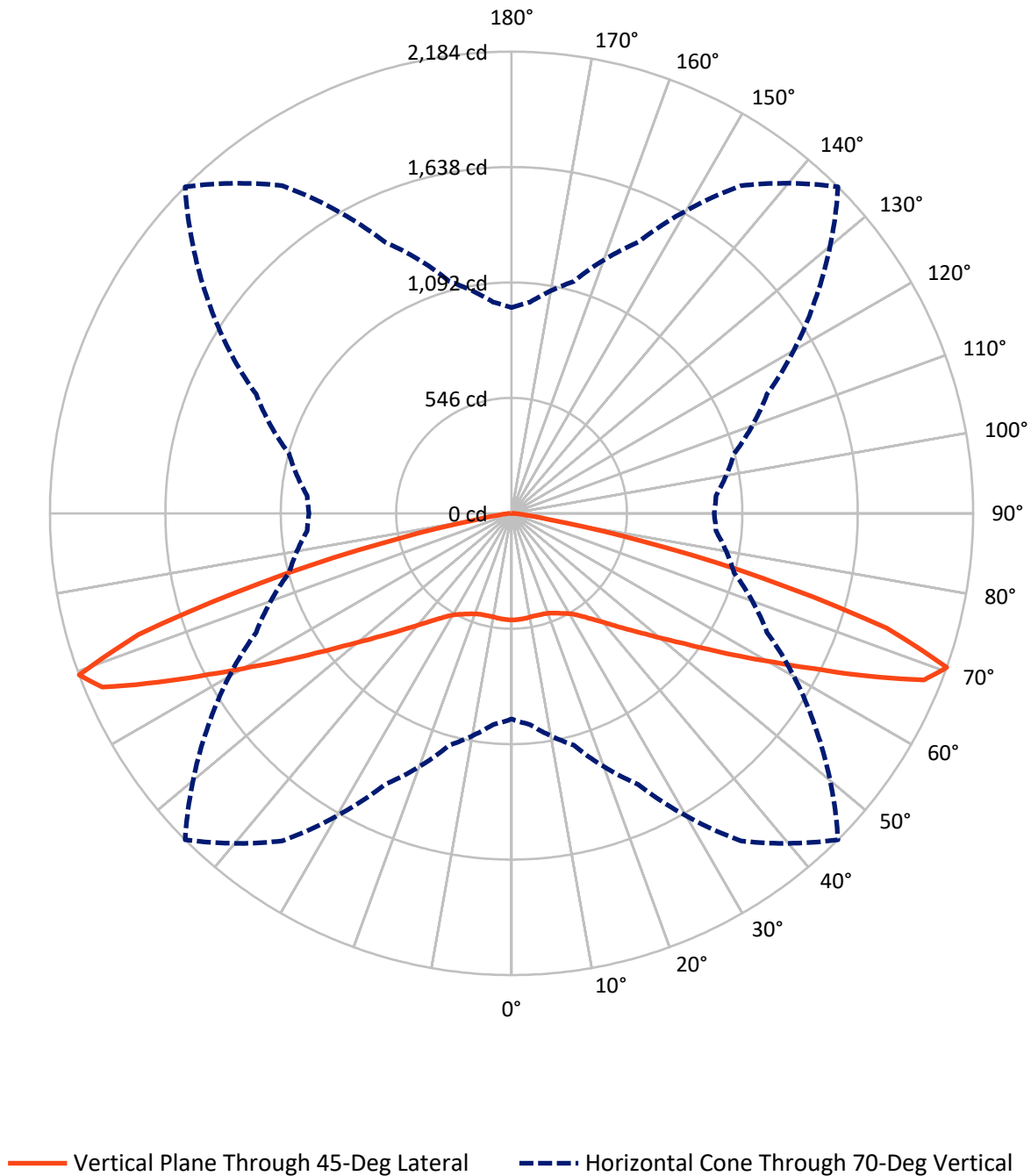
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	2310.0	0.0	2310.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2310.0	0.0	2310.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4620.0	0.0	4620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.0
10°-20°	140.3	3.0
20°-30°	238.8	5.2
30°-40°	378.8	8.2
40°-50°	616.4	13.3
50°-60°	1016.3	22.0
60°-70°	1492.0	32.3
70°-80°	659.7	14.3
80°-90°	29.9	0.6
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°	4620.0	100.0
0°-180°	4620.0	100.0

Coefficient of Utilization



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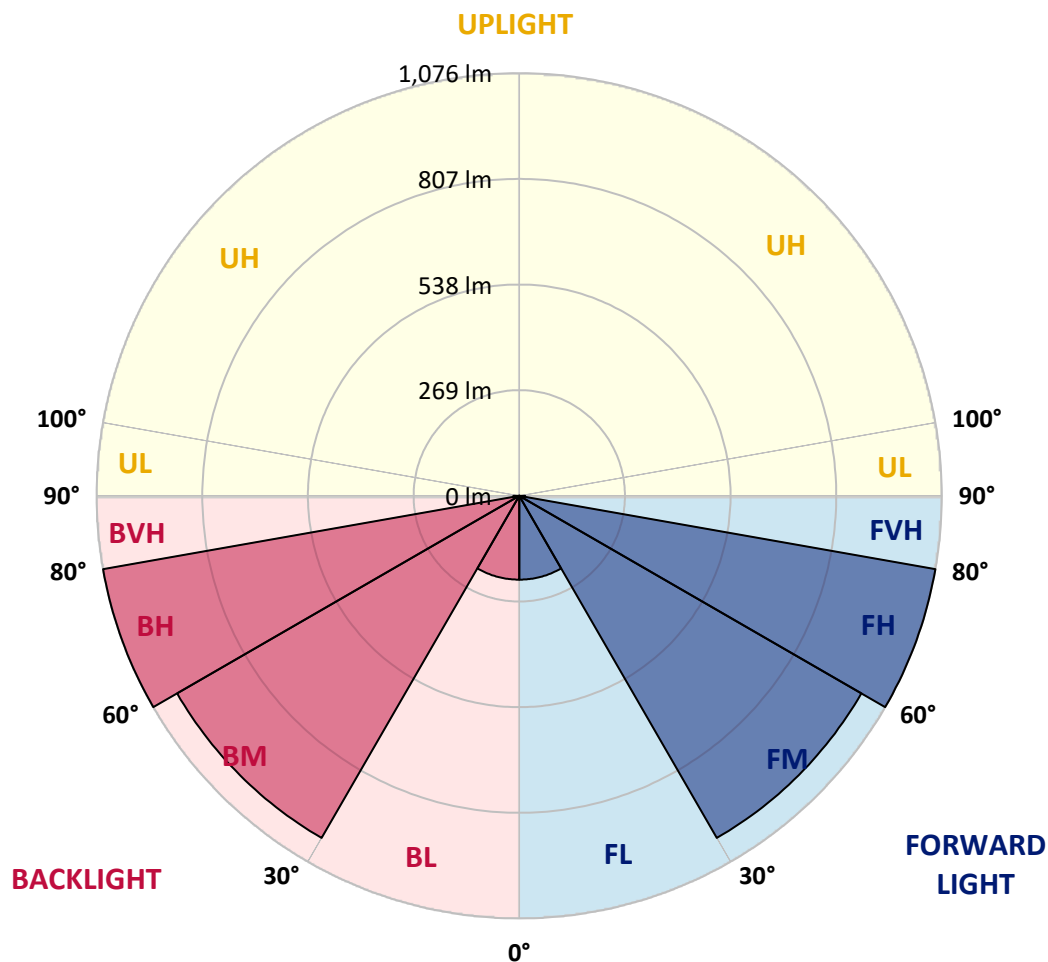
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.5	4.6			
FM	(30°-60°)	1005.7	21.8			
FH	(60°-80°)	1075.9	23.3			G1/1800
FVH	(80°-90°)	14.9	0.3			G1/100
BL	(0°-30°)	213.5	4.6	B1/500		
BM	(30°-60°)	1005.7	21.8	B2/2500		
BH	(60°-80°)	1075.9	23.3	B3/2500		G1/1800
BVH	(80°-90°)	14.9	0.3			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°	504.6	504.6	504.6	504.6	504.6	504.6	504.6	504.6	504.6	504.6	504.6
2.5°	503.8	503.4	504.4	504.3	503.4	503.5	503.5	504.0	504.0	503.7	503.7
5°	502.0	501.7	502.9	502.9	502.0	502.3	502.6	503.0	502.9	502.6	502.4
7.5°	499.7	499.5	500.8	500.8	500.1	500.4	500.1	500.3	500.0	499.7	499.2
10°	495.9	496.2	497.2	497.5	497.5	497.7	497.4	496.6	496.2	495.7	495.2
12.5°	492.3	492.2	493.7	494.5	495.7	497.1	496.2	494.0	493.1	492.2	491.9
15°	490.1	490.2	491.7	493.1	495.2	498.2	497.1	493.7	491.9	490.8	490.5
17.5°	489.6	489.9	491.9	494.3	496.6	499.8	499.2	495.9	492.8	490.8	490.4
20°	490.7	490.8	493.9	497.4	501.4	504.4	503.0	499.4	495.2	492.2	491.4
22.5°	492.6	493.3	497.1	502.6	508.7	512.8	511.2	504.9	498.5	494.6	493.6
25°	498.9	499.1	504.3	511.8	519.1	523.8	521.9	513.0	504.7	500.4	499.1
27.5°	511.9	512.4	517.6	526.3	532.6	535.6	534.4	527.2	520.2	515.6	516.0
30°	530.7	531.3	537.1	546.8	550.6	551.4	551.1	547.7	541.3	535.2	535.6
32.5°	553.7	554.0	561.8	570.5	573.5	574.1	573.5	570.5	562.8	554.6	555.0
35°	583.2	584.1	591.6	600.0	602.4	603.7	602.6	598.6	590.7	582.6	582.3
37.5°	619.6	619.7	627.5	636.2	639.3	639.6	638.4	635.8	625.8	618.5	618.0
40°	661.8	662.4	671.5	680.9	682.1	680.7	682.4	680.9	670.6	662.2	663.6
42.5°	713.1	714.5	725.5	734.7	731.2	730.4	731.5	731.9	723.7	713.4	712.5
45°	772.9	774.1	787.9	795.2	792.9	787.9	790.0	793.7	782.2	769.6	770.8
47.5°	841.1	844.2	858.8	865.7	860.1	853.2	857.3	862.8	849.4	833.6	832.9
50°	917.0	920.8	940.3	950.0	944.3	931.6	938.5	942.2	922.8	902.4	900.7
52.5°	997.8	1001.7	1026.3	1046.2	1042.5	1022.8	1032.4	1028.6	1006.2	978.9	976.7
55°	1089.4	1091.0	1117.6	1149.7	1153.3	1138.8	1138.2	1131.9	1098.9	1067.3	1065.7
57.5°	1183.6	1184.7	1219.1	1257.0	1274.3	1274.3	1257.2	1243.9	1200.0	1163.3	1159.5
60°	1285.3	1289.1	1327.2	1378.7	1419.1	1431.0	1400.7	1364.5	1316.8	1272.0	1267.6
62.5°	1375.8	1380.2	1438.5	1515.3	1580.1	1623.5	1549.5	1490.5	1403.6	1331.8	1323.4
65°	1387.3	1399.2	1484.1	1623.1	1768.2	1854.9	1713.0	1567.5	1409.3	1309.5	1300.9
67.5°	1266.9	1287.1	1401.8	1618.2	1918.0	2104.1	1817.4	1523.5	1307.8	1197.4	1187.9
70°	973.5	1002.9	1135.1	1415.4	1892.2	2184.4	1751.9	1333.8	1090.3	971.5	958.2
72.5°	534.1	546.2	665.1	969.2	1516.9	1856.2	1461.3	986.2	723.1	588.4	566.0
75°	169.4	173.7	234.2	396.6	858.1	1229.5	928.3	484.1	266.5	196.5	194.2
77.5°	75.2	75.7	84.7	115.7	295.6	622.9	355.0	131.8	90.8	79.4	82.0
80°	47.6	47.6	52.4	57.3	80.4	180.9	96.0	62.7	53.5	49.7	50.8
82.5°	22.8	25.2	34.1	36.7	44.2	60.9	49.2	41.0	35.8	26.6	24.8
85°	15.0	12.5	21.6	24.3	25.7	29.2	28.6	27.1	23.4	13.3	14.8
87.5°	6.7	6.4	11.2	10.2	9.6	7.3	11.0	13.6	13.1	6.6	6.6
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)