

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: P316955

Luminaire Tested: **GAN-SA1B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316955
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-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4905 lumens
Efficiency: N/A
Efficacy: 111.5 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

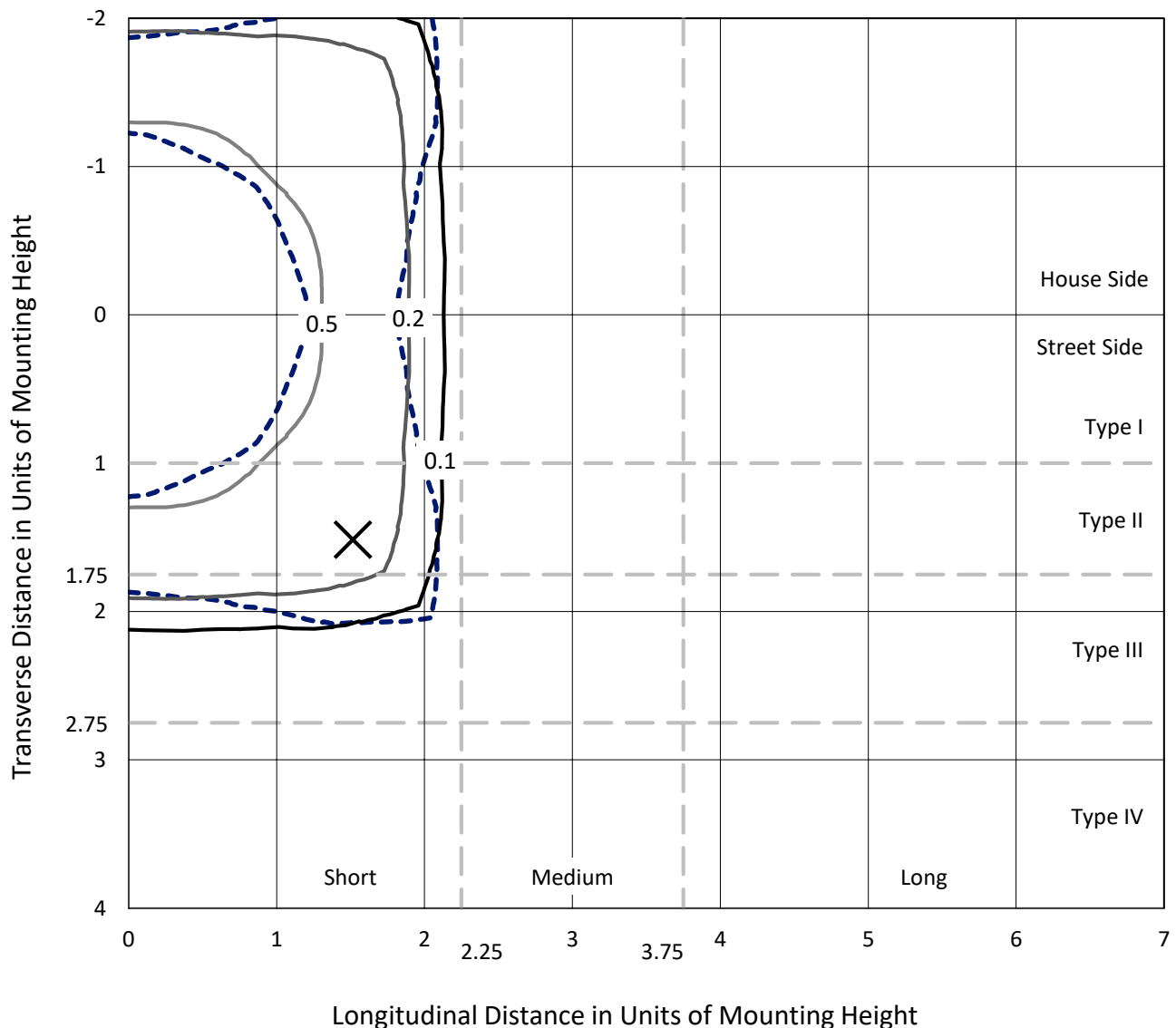
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

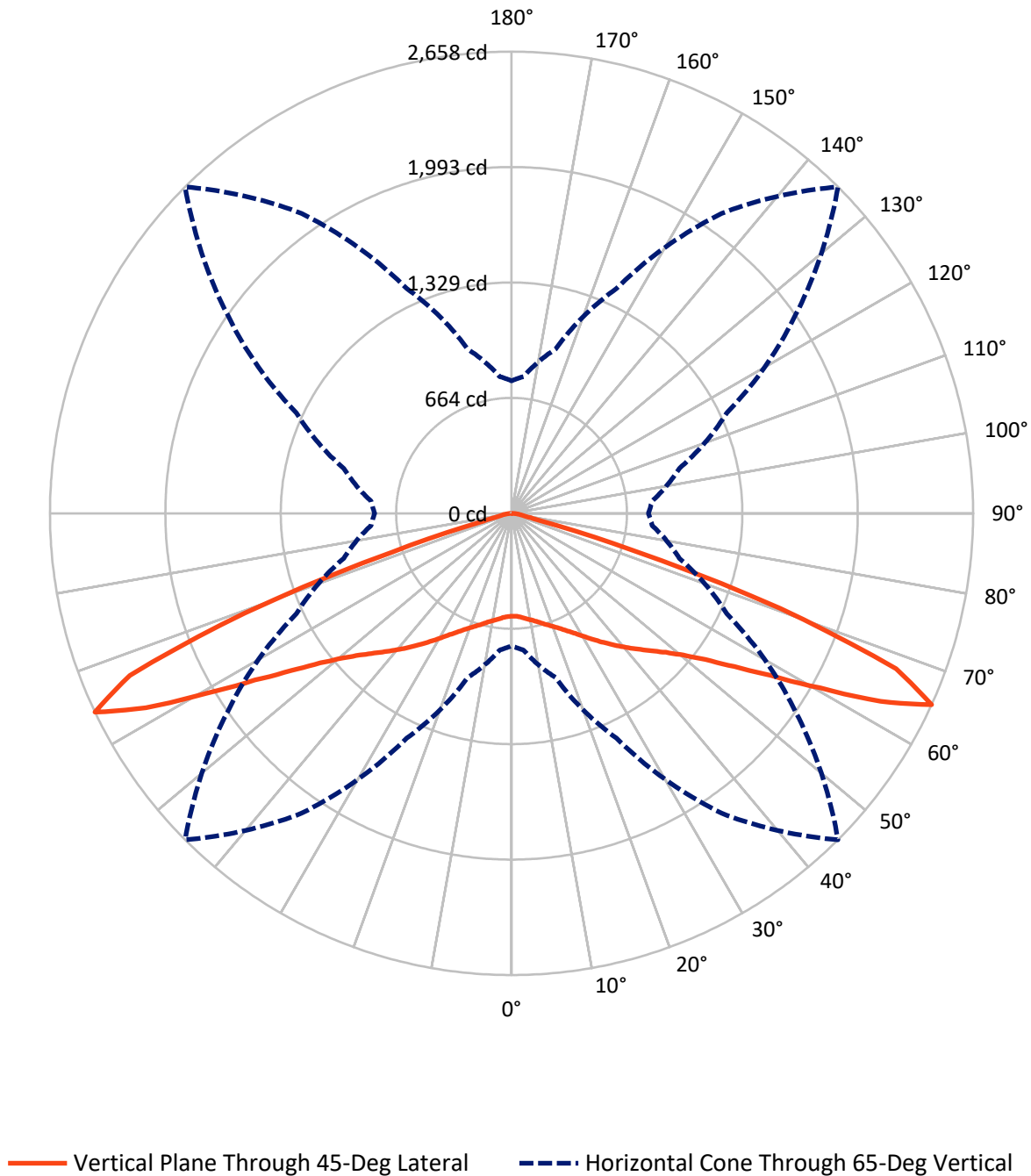
× Max cd
 - - - 1/2 Max cd



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	2452.5	0.0	2452.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2452.5	0.0	2452.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4905.0	0.0	4905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.2
10°-20°	186.8	3.8
20°-30°	350.5	7.1
30°-40°	579.6	11.8
40°-50°	897.7	18.3
50°-60°	1376.9	28.1
60°-70°	1284.8	26.2
70°-80°	149.5	3.0
80°-90°	21.0	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°	4905.0	100.0
0°-180°	4905.0	100.0

Coefficient of Utilization



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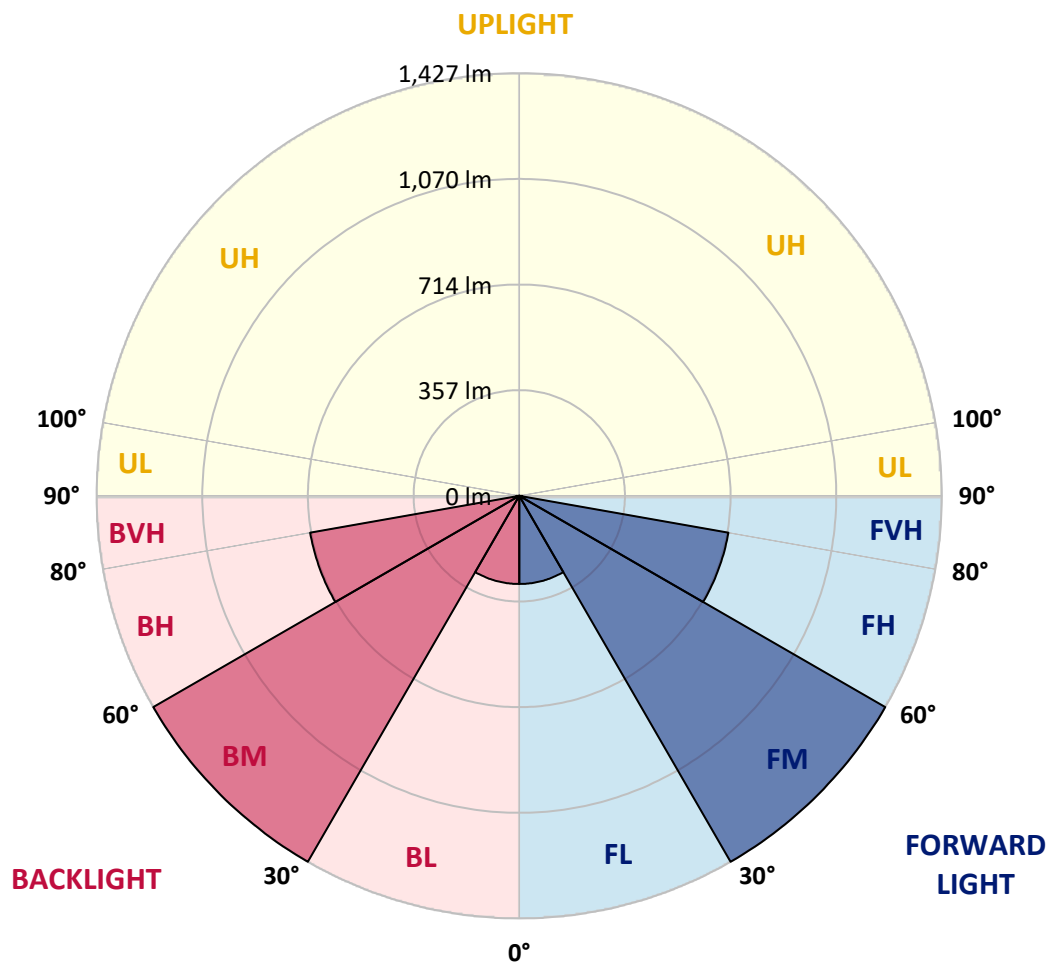
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.7	6.1			
FM	(30°-60°)	1427.1	29.1			
FH	(60°-80°)	717.2	14.6			G1/1800
FVH	(80°-90°)	10.5	0.2			G1/100
BL	(0°-30°)	297.7	6.1	B1/500		
BM	(30°-60°)	1427.1	29.1	B2/2500		
BH	(60°-80°)	717.2	14.6	B2/1000		G1/1800
BVH	(80°-90°)	10.5	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°	592.3	592.3	592.3	592.3	592.3	592.3	592.3	592.3	592.3	592.3	592.3
2.5°	594.3	594.0	594.3	594.5	593.5	594.0	593.8	594.6	594.9	594.6	594.6
5°	601.1	600.6	601.3	602.1	600.8	601.1	600.6	601.6	601.9	601.3	601.8
7.5°	610.6	610.7	611.4	612.9	612.0	612.7	611.7	611.9	611.7	610.7	610.9
10°	620.8	621.0	622.1	624.1	624.4	624.4	623.8	623.3	622.6	622.0	622.1
12.5°	633.2	634.0	634.8	637.3	637.3	638.6	638.3	637.0	635.8	634.8	634.8
15°	650.0	649.8	650.8	653.2	654.4	656.5	656.5	654.7	653.2	652.3	651.9
17.5°	667.6	668.1	668.7	671.6	673.4	675.9	676.2	674.7	673.8	672.4	671.6
20°	688.1	688.9	691.5	692.6	694.3	696.5	697.4	697.0	696.1	695.4	695.6
22.5°	712.0	714.1	715.8	717.4	719.3	721.0	721.8	722.9	721.9	721.5	721.1
25°	741.0	742.5	745.7	748.6	750.0	750.4	751.4	753.0	752.9	751.7	751.7
27.5°	773.9	776.7	780.7	785.0	785.0	783.3	786.6	789.4	788.4	786.9	785.0
30°	813.8	816.4	821.1	827.0	824.0	822.9	827.3	832.3	830.9	828.4	828.1
32.5°	856.8	859.2	865.4	871.7	868.0	866.4	871.1	878.4	875.8	870.9	868.0
35°	903.3	905.8	914.6	922.2	915.9	913.1	917.0	925.0	920.4	911.3	909.0
37.5°	954.0	955.3	966.7	974.5	970.1	962.8	967.6	973.5	969.6	958.5	954.1
40°	1006.6	1011.3	1024.5	1033.6	1025.9	1014.4	1022.5	1030.7	1024.8	1010.6	1003.1
42.5°	1067.9	1071.5	1089.1	1097.2	1084.9	1068.6	1079.7	1090.7	1084.9	1071.2	1064.7
45°	1131.8	1137.3	1158.3	1166.4	1148.5	1127.9	1141.4	1160.7	1160.3	1140.6	1133.7
47.5°	1201.3	1206.8	1231.9	1242.6	1223.3	1195.6	1214.6	1242.0	1240.0	1218.4	1212.8
50°	1281.6	1287.4	1318.7	1332.2	1314.1	1281.9	1310.5	1334.6	1331.1	1304.4	1304.8
52.5°	1382.3	1382.0	1420.9	1444.4	1425.8	1397.3	1423.7	1447.1	1432.3	1395.4	1394.2
55°	1470.6	1476.0	1524.2	1568.6	1567.5	1556.6	1567.1	1568.1	1525.8	1476.6	1470.6
57.5°	1528.6	1538.8	1606.7	1687.1	1747.4	1761.9	1741.4	1679.2	1580.0	1501.4	1491.8
60°	1492.9	1508.5	1615.2	1779.1	1956.6	2041.8	1926.0	1733.1	1537.8	1428.3	1415.2
62.5°	1252.3	1278.6	1434.8	1734.7	2136.7	2385.6	2059.8	1646.6	1370.1	1219.2	1196.9
65°	762.7	790.5	978.7	1427.8	2107.5	2657.9	1998.8	1366.7	1000.0	812.3	788.2
67.5°	254.2	262.3	373.2	789.2	1656.4	2388.1	1659.1	818.2	435.2	288.5	280.1
70°	99.5	100.3	118.4	228.8	782.2	1640.3	863.1	232.8	123.7	97.9	100.0
72.5°	73.1	73.4	78.5	95.6	203.9	722.6	211.2	96.1	76.4	68.5	68.5
75°	58.8	58.8	62.4	69.7	91.3	165.8	92.6	68.9	59.8	54.7	54.1
77.5°	46.4	47.4	50.1	54.9	61.9	79.8	64.2	54.5	48.2	43.5	42.5
80°	34.5	35.5	40.1	42.3	44.4	55.4	47.4	42.7	38.1	32.6	31.6
82.5°	22.6	23.6	29.3	30.6	30.1	36.1	31.9	31.4	28.0	21.0	20.0
85°	14.8	15.1	19.5	20.4	18.7	16.4	20.4	21.5	19.5	13.7	13.2
87.5°	7.0	7.0	9.9	9.3	8.5	6.8	9.3	10.9	11.1	6.7	6.5
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)