

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: P316725

Luminaire Tested: **GAN-SA1C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316725
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-SA1C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6389 lumens
Efficiency: N/A
Efficacy: 108.3 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

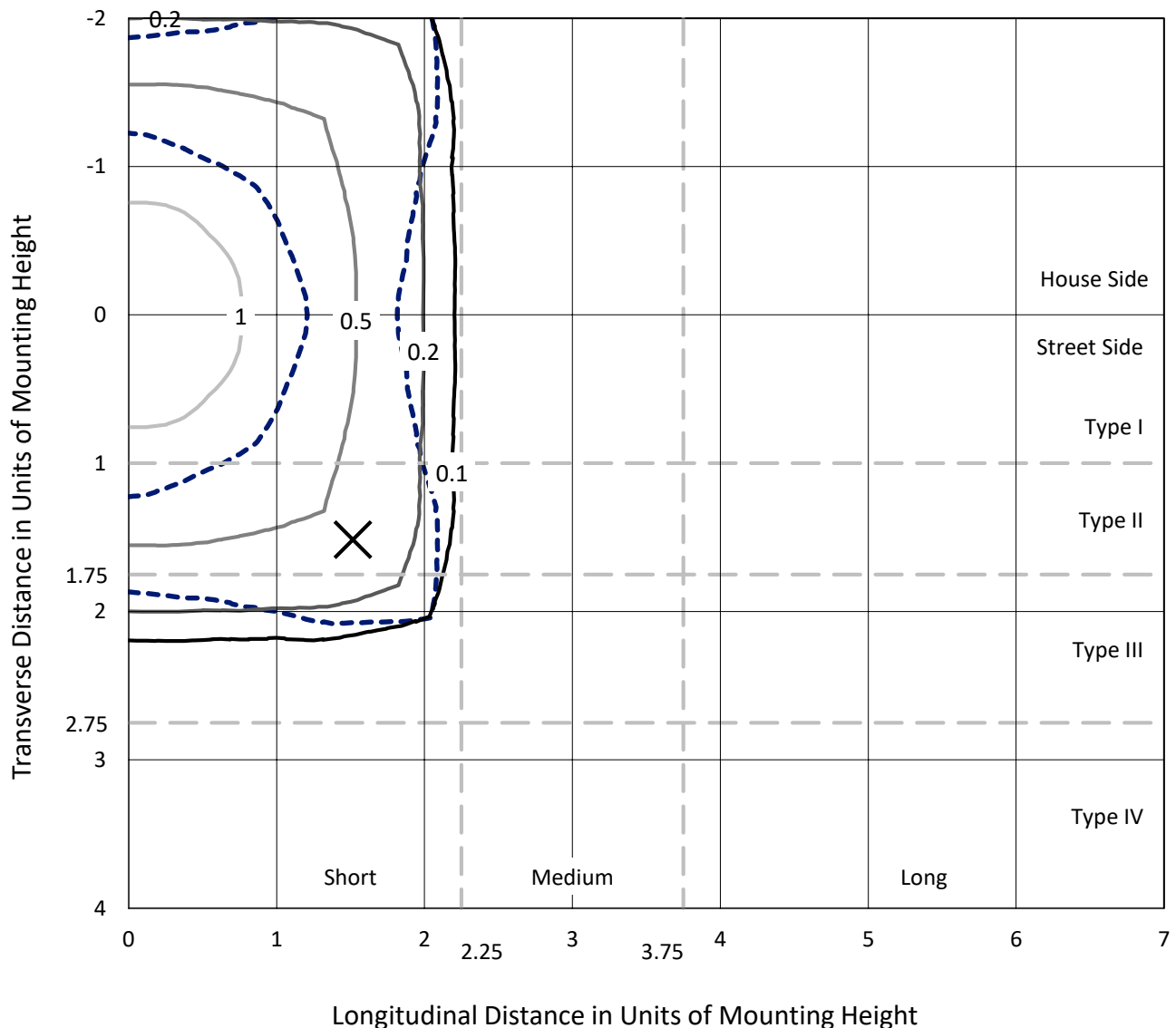
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

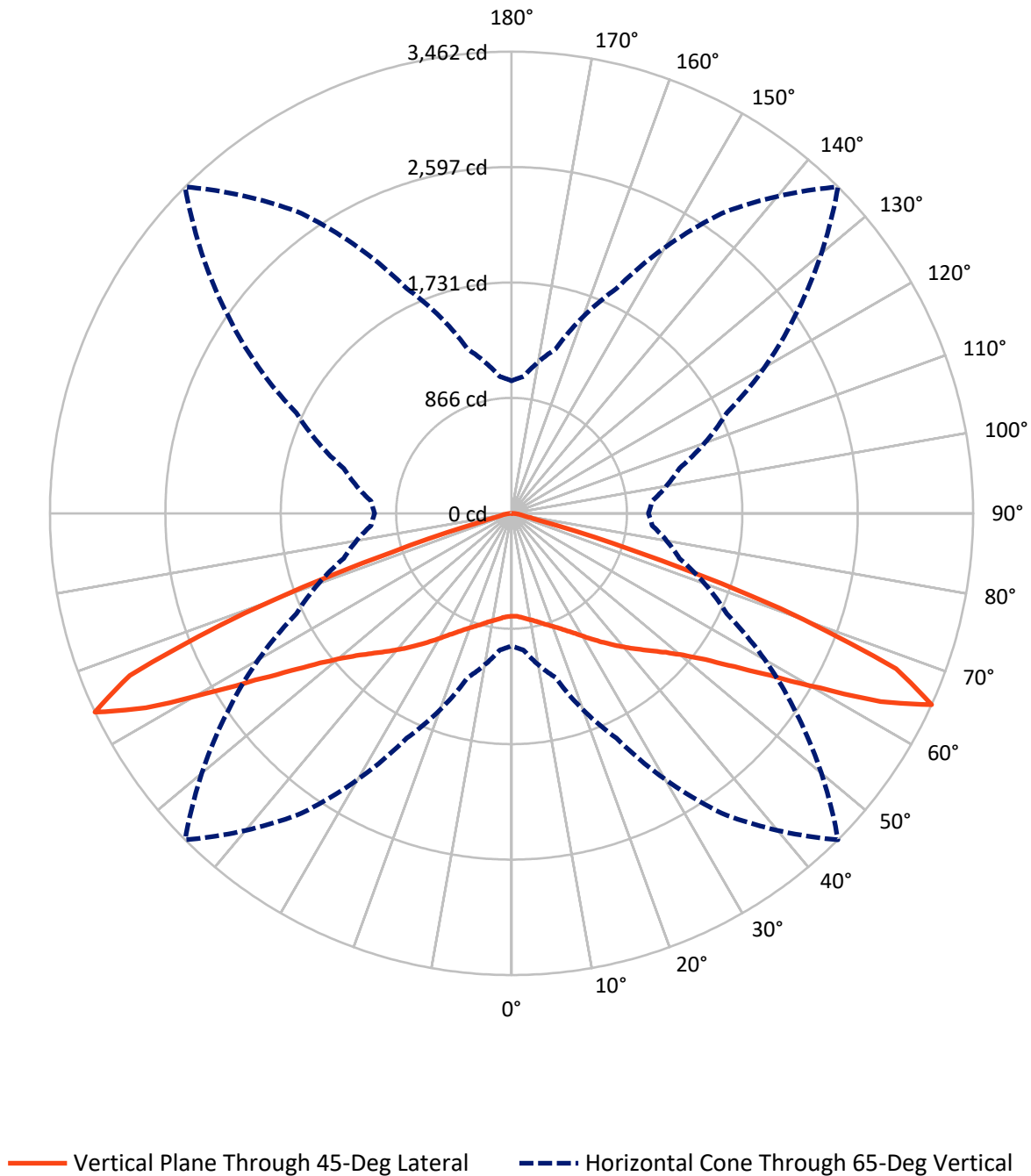
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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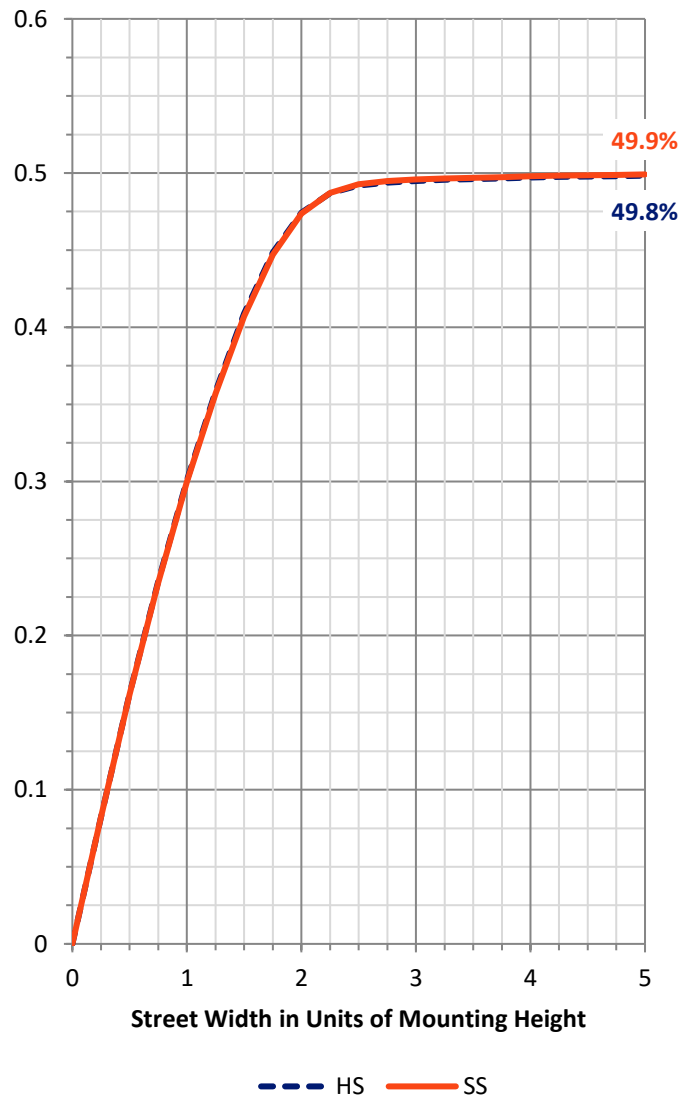
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3194.5	0.0	3194.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3194.5	0.0	3194.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6389.0	0.0	6389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.2
10°-20°	243.3	3.8
20°-30°	456.5	7.1
30°-40°	755.0	11.8
40°-50°	1169.4	18.3
50°-60°	1793.5	28.1
60°-70°	1673.5	26.2
70°-80°	194.8	3.0
80°-90°	27.4	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°	6389.0	100.0
0°-180°	6389.0	100.0

Coefficient of Utilization



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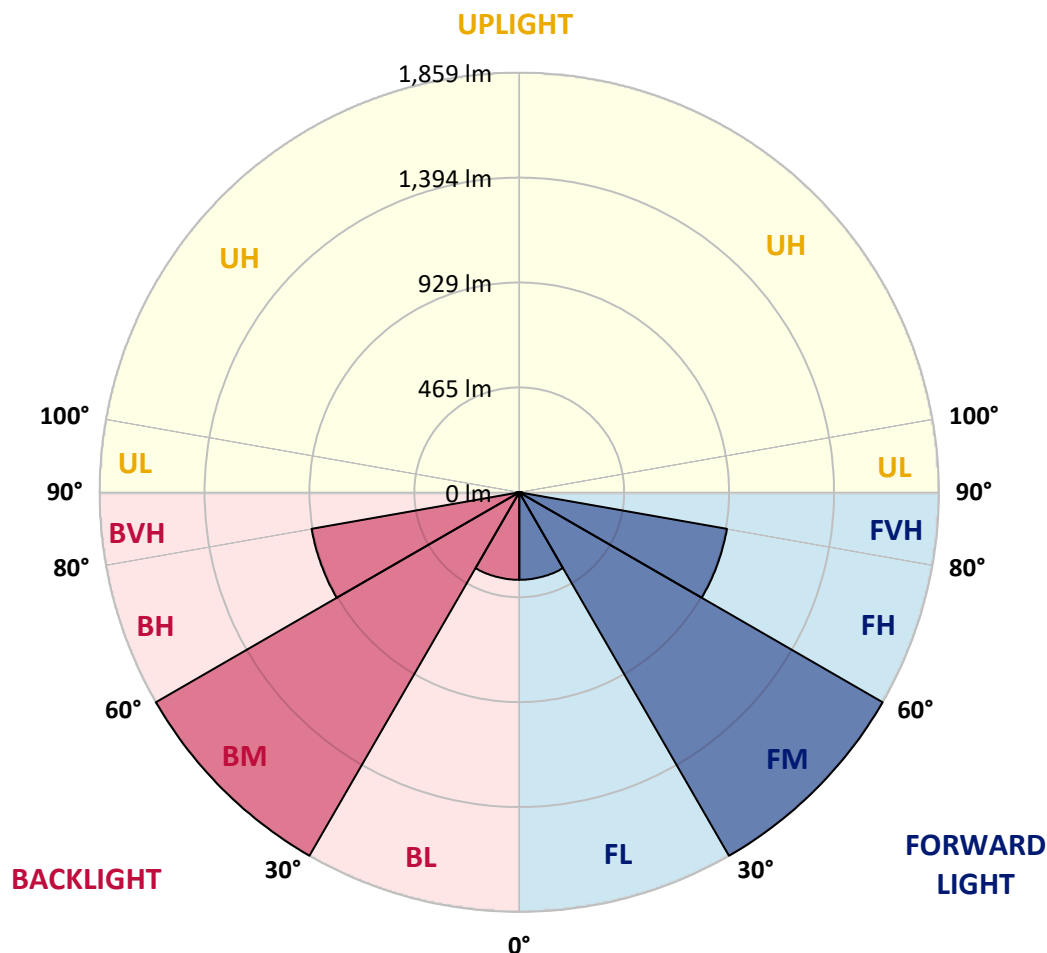
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.8	6.1			
FM	(30°-60°)	1858.9	29.1			
FH	(60°-80°)	934.1	14.6			G1/1800
FVH	(80°-90°)	13.7	0.2			G1/100
BL	(0°-30°)	387.8	6.1	B1/500		
BM	(30°-60°)	1858.9	29.1	B2/2500		
BH	(60°-80°)	934.1	14.6	B2/1000		G1/1800
BVH	(80°-90°)	13.7	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°	771.6	771.6	771.6	771.6	771.6	771.6	771.6	771.6	771.6	771.6	771.6
2.5°	774.1	773.7	774.1	774.3	773.0	773.7	773.5	774.5	774.9	774.5	774.5
5°	783.0	782.4	783.2	784.3	782.6	783.0	782.4	783.6	784.1	783.2	783.9
7.5°	795.3	795.5	796.4	798.3	797.2	798.1	796.8	797.0	796.8	795.5	795.7
10°	808.7	808.9	810.4	812.9	813.3	813.3	812.5	811.8	811.0	810.2	810.4
12.5°	824.8	825.8	826.9	830.1	830.1	831.8	831.4	829.7	828.2	826.9	826.9
15°	846.6	846.4	847.7	850.9	852.4	855.1	855.1	852.8	850.9	849.6	849.2
17.5°	869.5	870.2	871.0	874.8	877.2	880.4	880.8	878.9	877.6	875.9	874.8
20°	896.3	897.3	900.7	902.2	904.3	907.3	908.3	907.9	906.6	905.8	906.0
22.5°	927.4	930.2	932.3	934.4	937.0	939.1	940.2	941.6	940.4	939.7	939.3
25°	965.2	967.1	971.3	975.2	976.8	977.5	978.8	980.9	980.7	979.2	979.2
27.5°	1008.0	1011.6	1016.9	1022.4	1022.4	1020.3	1024.6	1028.2	1026.9	1025.0	1022.4
30°	1060.0	1063.4	1069.5	1077.2	1073.3	1071.9	1077.6	1084.2	1082.3	1079.1	1078.6
32.5°	1116.0	1119.2	1127.2	1135.5	1130.6	1128.5	1134.6	1144.2	1140.8	1134.4	1130.6
35°	1176.6	1179.8	1191.3	1201.2	1193.0	1189.4	1194.4	1204.8	1198.9	1187.0	1184.1
37.5°	1242.6	1244.3	1259.1	1269.3	1263.6	1254.0	1260.4	1268.0	1262.9	1248.5	1242.8
40°	1311.1	1317.2	1334.4	1346.3	1336.3	1321.3	1331.9	1342.5	1334.8	1316.4	1306.6
42.5°	1391.0	1395.7	1418.6	1429.2	1413.1	1391.9	1406.3	1420.7	1413.1	1395.3	1386.8
45°	1474.2	1481.4	1508.7	1519.4	1496.0	1469.1	1486.7	1511.9	1511.3	1485.6	1476.7
47.5°	1564.7	1571.9	1604.6	1618.6	1593.4	1557.3	1582.1	1617.8	1615.2	1587.0	1579.8
50°	1669.3	1676.9	1717.6	1735.3	1711.7	1669.7	1707.0	1738.4	1733.8	1699.0	1699.6
52.5°	1800.6	1800.1	1850.8	1881.4	1857.2	1820.1	1854.4	1885.0	1865.7	1817.5	1816.1
55°	1915.5	1922.5	1985.3	2043.2	2041.7	2027.5	2041.3	2042.6	1987.4	1923.4	1915.5
57.5°	1991.0	2004.4	2092.8	2197.6	2276.1	2294.9	2268.2	2187.2	2058.0	1955.6	1943.1
60°	1944.6	1964.9	2103.8	2317.4	2548.6	2659.5	2508.7	2257.4	2003.1	1860.4	1843.4
62.5°	1631.1	1665.5	1868.9	2259.5	2783.1	3107.4	2683.0	2144.8	1784.7	1588.1	1559.0
65°	993.4	1029.7	1274.8	1859.7	2745.2	3462.0	2603.5	1780.2	1302.6	1058.1	1026.7
67.5°	331.1	341.7	486.1	1028.0	2157.5	3110.6	2161.1	1065.7	566.9	375.8	364.8
70°	129.6	130.6	154.2	298.0	1018.8	2136.5	1124.2	303.3	161.2	127.5	130.2
72.5°	95.2	95.6	102.2	124.5	265.5	941.2	275.1	125.1	99.5	89.3	89.3
75°	76.6	76.6	81.2	90.8	119.0	215.9	120.7	89.7	77.8	71.3	70.4
77.5°	60.4	61.7	65.3	71.5	80.6	103.9	83.6	71.0	62.8	56.6	55.4
80°	45.0	46.2	52.2	55.1	57.9	72.1	61.7	55.6	49.6	42.4	41.1
82.5°	29.5	30.8	38.2	39.9	39.2	47.1	41.6	40.9	36.5	27.4	26.1
85°	19.3	19.7	25.4	26.5	24.4	21.4	26.5	28.0	25.4	17.8	17.2
87.5°	9.1	9.1	12.9	12.1	11.0	8.9	12.1	14.2	14.4	8.7	8.5
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)