

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: P316975

Luminaire Tested: **GAN-SA1D-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316975
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-SA1D-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6659 lumens
Efficiency: N/A
Efficacy: 99.4 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

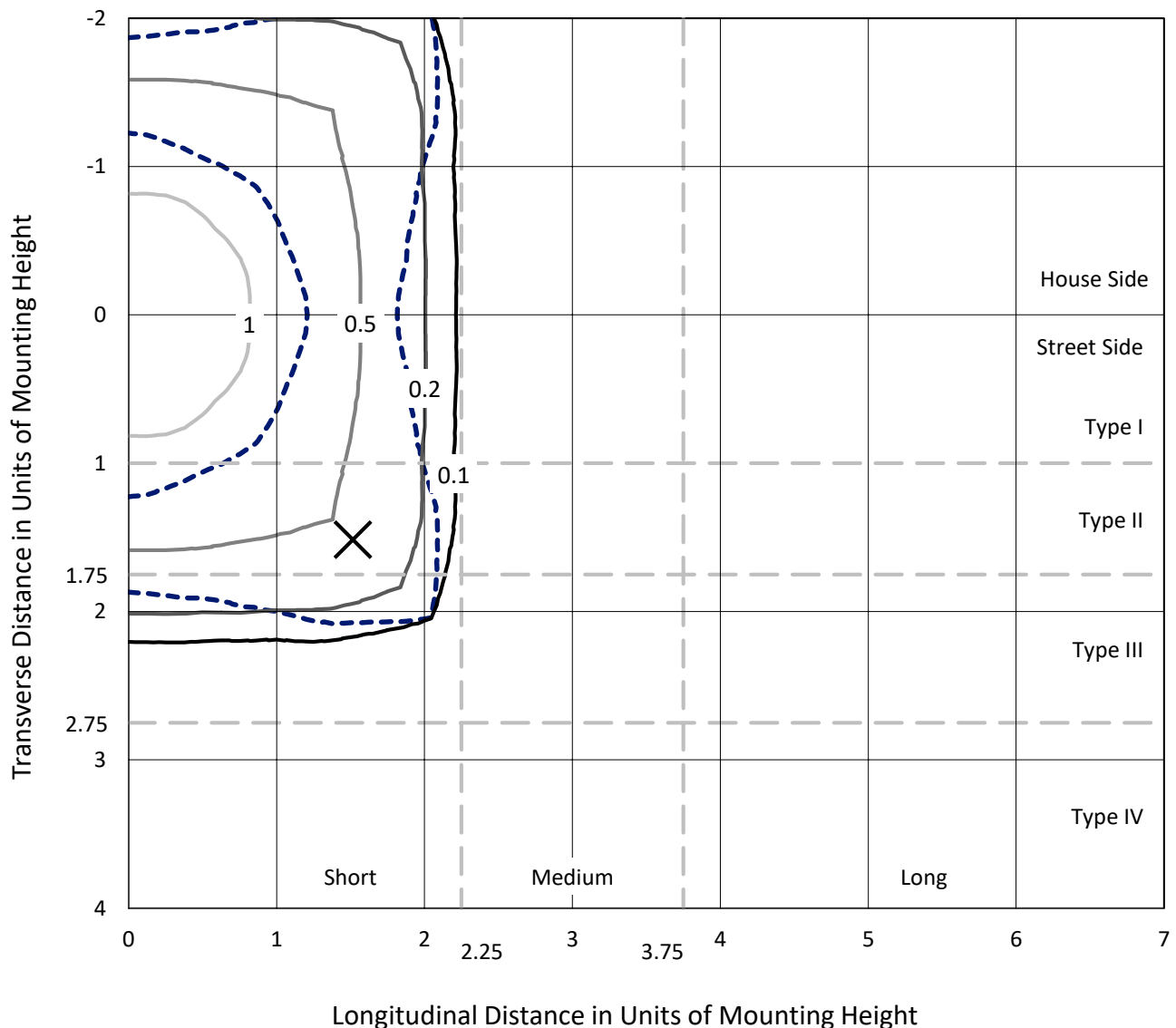
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

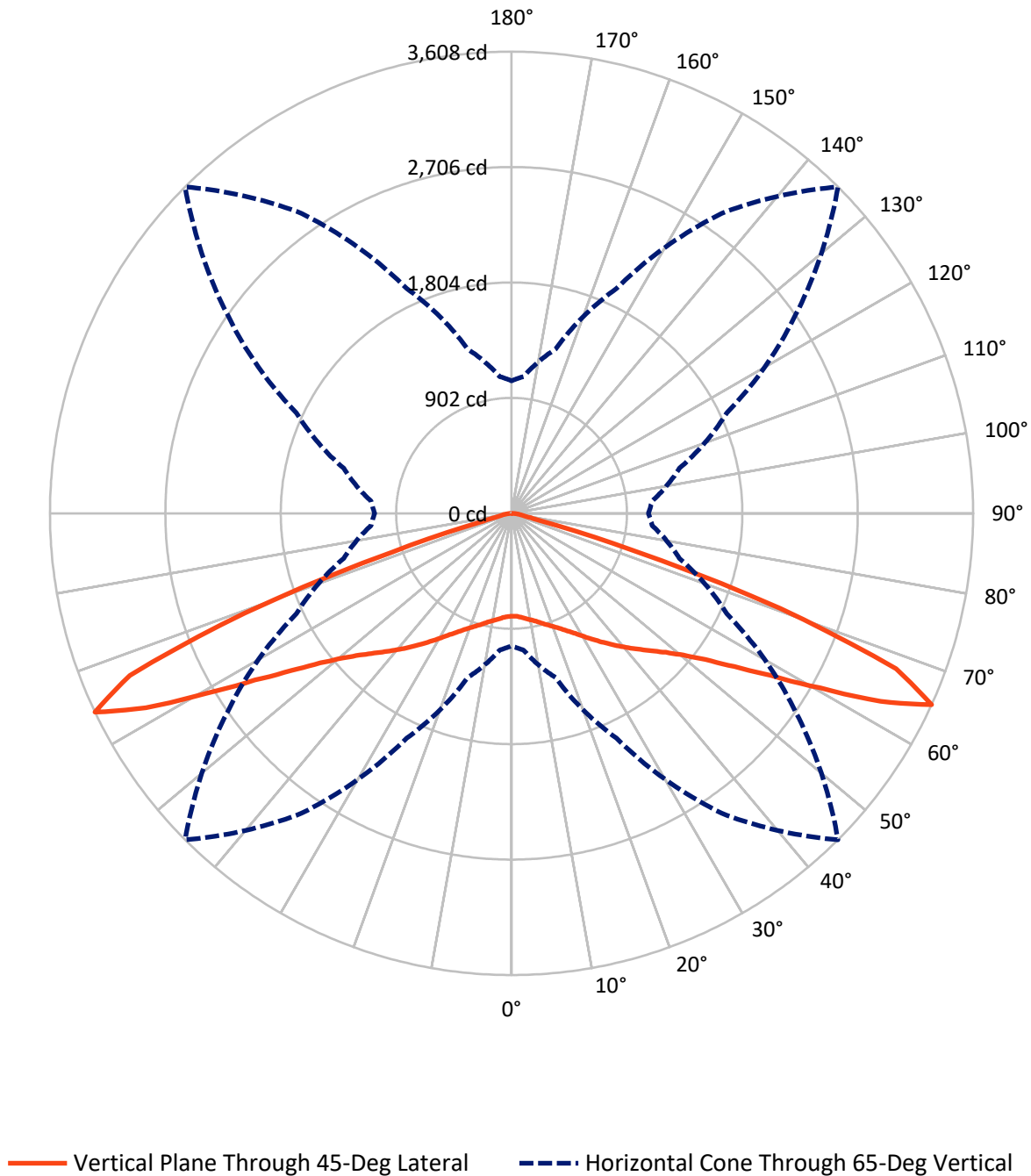
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3329.5	0.0	3329.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3329.5	0.0	3329.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6659.0	0.0	6659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	1.2
10°-20°	253.6	3.8
20°-30°	475.8	7.1
30°-40°	786.9	11.8
40°-50°	1218.8	18.3
50°-60°	1869.3	28.1
60°-70°	1744.2	26.2
70°-80°	203.0	3.0
80°-90°	28.5	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°	6659.0	100.0
0°-180°	6659.0	100.0

Coefficient of Utilization



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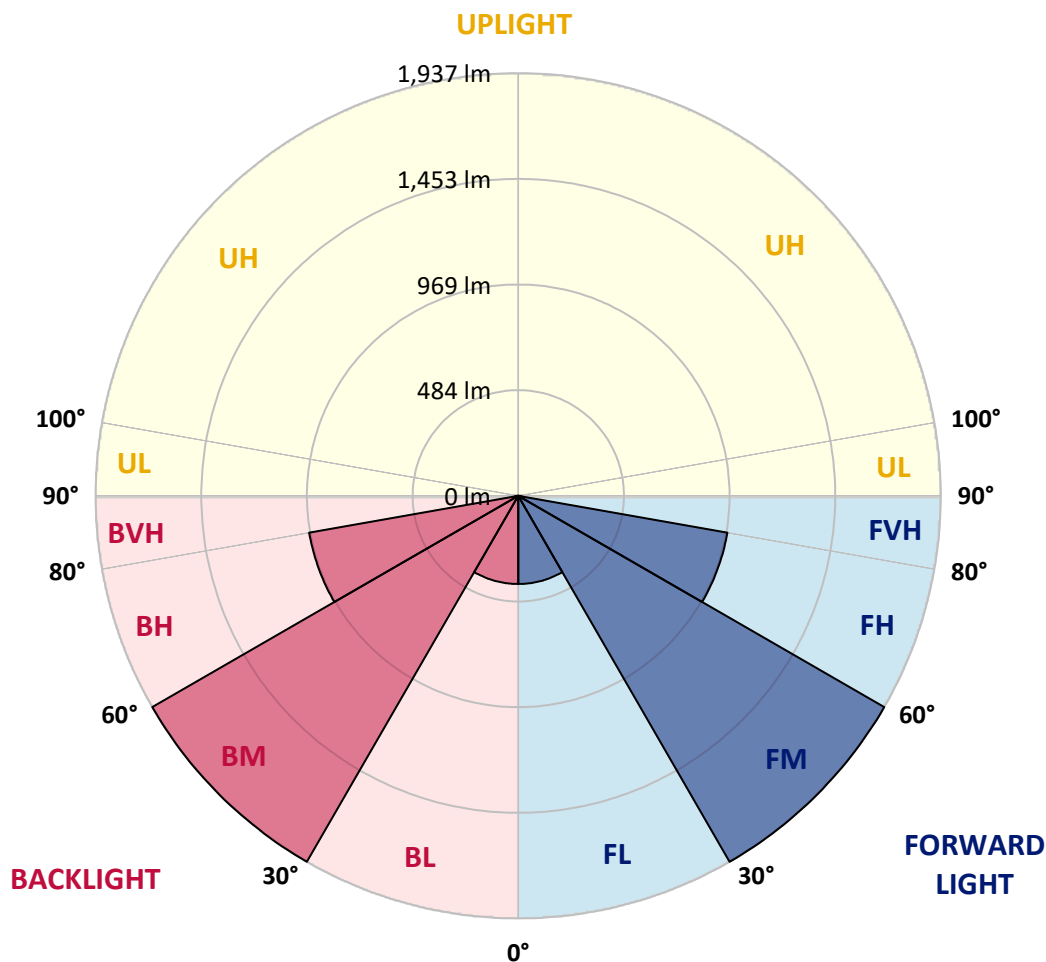
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.2	6.1			
FM	(30°-60°)	1937.5	29.1			
FH	(60°-80°)	973.6	14.6			G1/1800
FVH	(80°-90°)	14.3	0.2			G1/100
BL	(0°-30°)	404.2	6.1	B1/500		
BM	(30°-60°)	1937.5	29.1	B2/2500		
BH	(60°-80°)	973.6	14.6	B2/1000		G1/1800
BVH	(80°-90°)	14.3	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°	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2	804.2
2.5°	806.8	806.4	806.8	807.0	805.7	806.4	806.1	807.3	807.7	807.3	807.3
5°	816.1	815.4	816.3	817.4	815.7	816.1	815.4	816.8	817.2	816.3	817.0
7.5°	828.9	829.1	830.0	832.0	830.9	831.8	830.5	830.7	830.5	829.1	829.4
10°	842.8	843.1	844.6	847.3	847.7	847.7	846.8	846.2	845.3	844.4	844.6
12.5°	859.6	860.7	861.9	865.2	865.2	866.9	866.5	864.7	863.2	861.9	861.9
15°	882.4	882.2	883.5	886.8	888.4	891.2	891.2	888.8	886.8	885.5	885.1
17.5°	906.3	906.9	907.8	911.8	914.2	917.6	918.0	916.0	914.7	912.9	911.8
20°	934.1	935.2	938.8	940.3	942.5	945.6	946.7	946.3	945.0	944.1	944.3
22.5°	966.6	969.5	971.7	973.9	976.6	978.8	979.9	981.4	980.1	979.4	979.0
25°	1006.0	1008.0	1012.4	1016.4	1018.1	1018.8	1020.1	1022.3	1022.1	1020.6	1020.6
27.5°	1050.6	1054.4	1059.9	1065.7	1065.7	1063.4	1067.9	1071.6	1070.3	1068.3	1065.7
30°	1104.8	1108.3	1114.7	1122.7	1118.7	1117.2	1123.1	1130.0	1128.0	1124.7	1124.2
32.5°	1163.1	1166.4	1174.8	1183.5	1178.4	1176.2	1182.6	1192.5	1189.0	1182.4	1178.4
35°	1226.4	1229.7	1241.6	1252.0	1243.4	1239.6	1244.9	1255.8	1249.6	1237.2	1234.1
37.5°	1295.1	1296.9	1312.3	1322.9	1317.0	1307.0	1313.7	1321.6	1316.3	1301.3	1295.3
40°	1366.5	1372.9	1390.8	1403.2	1392.8	1377.1	1388.2	1399.2	1391.3	1372.0	1361.9
42.5°	1449.8	1454.7	1478.6	1489.6	1472.8	1450.7	1465.7	1480.8	1472.8	1454.2	1445.4
45°	1536.5	1544.0	1572.5	1583.6	1559.2	1531.2	1549.5	1575.8	1575.2	1548.4	1539.1
47.5°	1630.9	1638.4	1672.4	1687.0	1660.7	1623.1	1649.0	1686.1	1683.5	1654.1	1646.6
50°	1739.8	1747.8	1790.2	1808.6	1784.0	1740.3	1779.2	1811.9	1807.0	1770.8	1771.4
52.5°	1876.7	1876.2	1929.1	1960.9	1935.7	1897.0	1932.8	1964.6	1944.5	1894.3	1892.8
55°	1996.5	2003.8	2069.2	2129.5	2128.0	2113.2	2127.5	2128.9	2071.4	2004.6	1996.5
57.5°	2075.2	2089.1	2181.3	2290.5	2372.2	2391.9	2364.1	2279.6	2145.0	2038.2	2025.2
60°	2026.8	2048.0	2192.8	2415.3	2656.3	2771.9	2614.7	2352.8	2087.8	1939.0	1921.3
62.5°	1700.1	1735.9	1947.8	2355.0	2900.8	3238.7	2796.4	2235.4	1860.1	1655.2	1624.9
65°	1035.4	1073.2	1328.7	1938.3	2861.2	3608.3	2713.5	1855.4	1357.7	1102.8	1070.1
67.5°	345.0	356.1	506.6	1071.4	2248.7	3242.1	2252.4	1110.7	590.9	391.7	380.2
70°	135.1	136.2	160.7	310.6	1061.9	2226.8	1171.8	316.1	168.0	132.8	135.7
72.5°	99.2	99.7	106.5	129.8	276.7	981.0	286.7	130.4	103.7	93.1	93.1
75°	79.8	79.8	84.7	94.6	124.0	225.0	125.8	93.5	81.1	74.3	73.4
77.5°	63.0	64.3	68.1	74.5	84.0	108.3	87.1	74.0	65.4	59.0	57.7
80°	46.9	48.2	54.4	57.5	60.3	75.2	64.3	57.9	51.7	44.2	42.9
82.5°	30.7	32.1	39.8	41.6	40.9	49.1	43.3	42.7	38.0	28.5	27.2
85°	20.1	20.6	26.5	27.6	25.4	22.3	27.6	29.2	26.5	18.6	17.9
87.5°	9.5	9.5	13.5	12.6	11.5	9.3	12.6	14.8	15.0	9.1	8.8
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)