

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385487

Luminaire Tested: GAW-SA1A-735-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1A-735-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4778.7 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

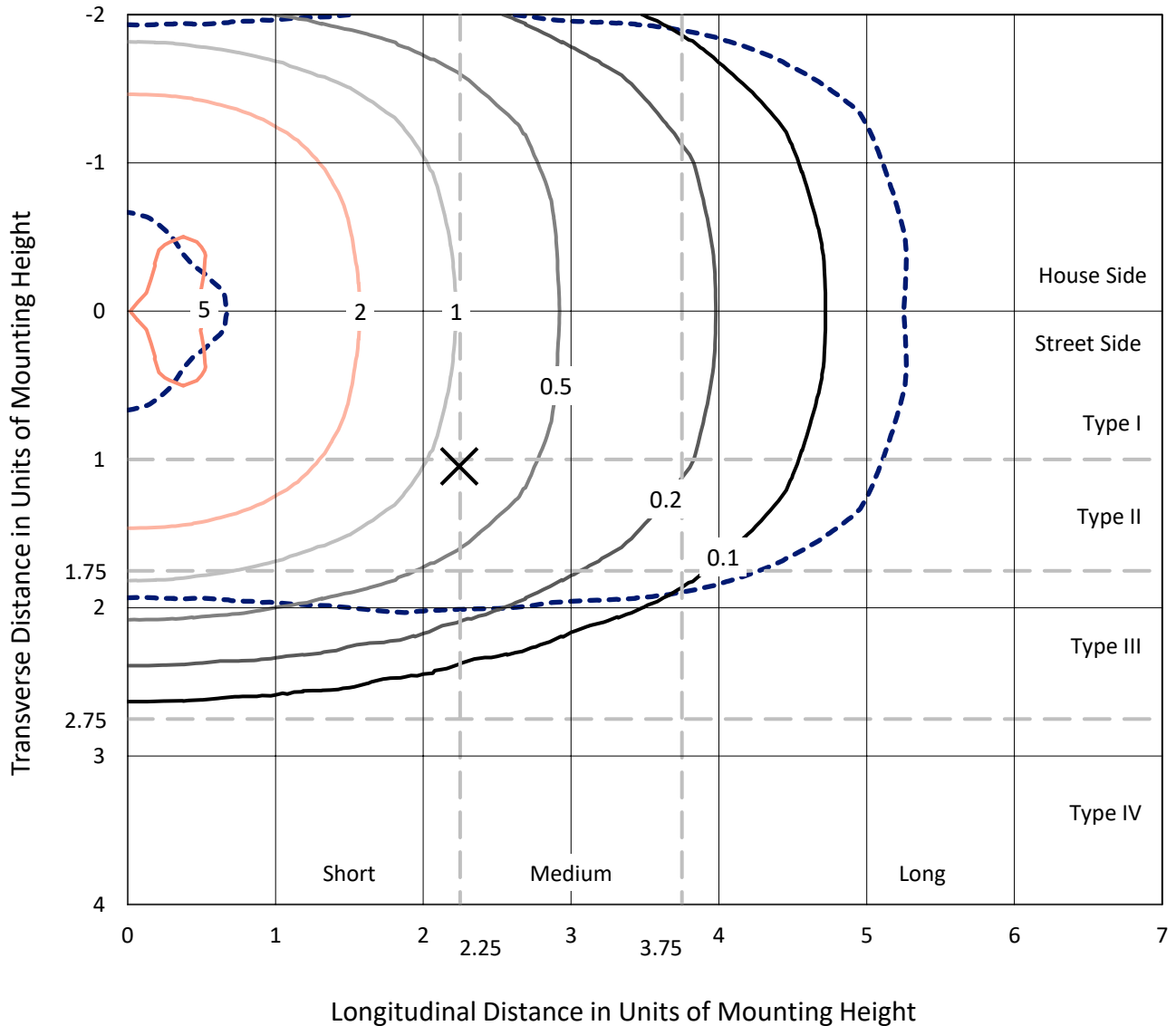
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

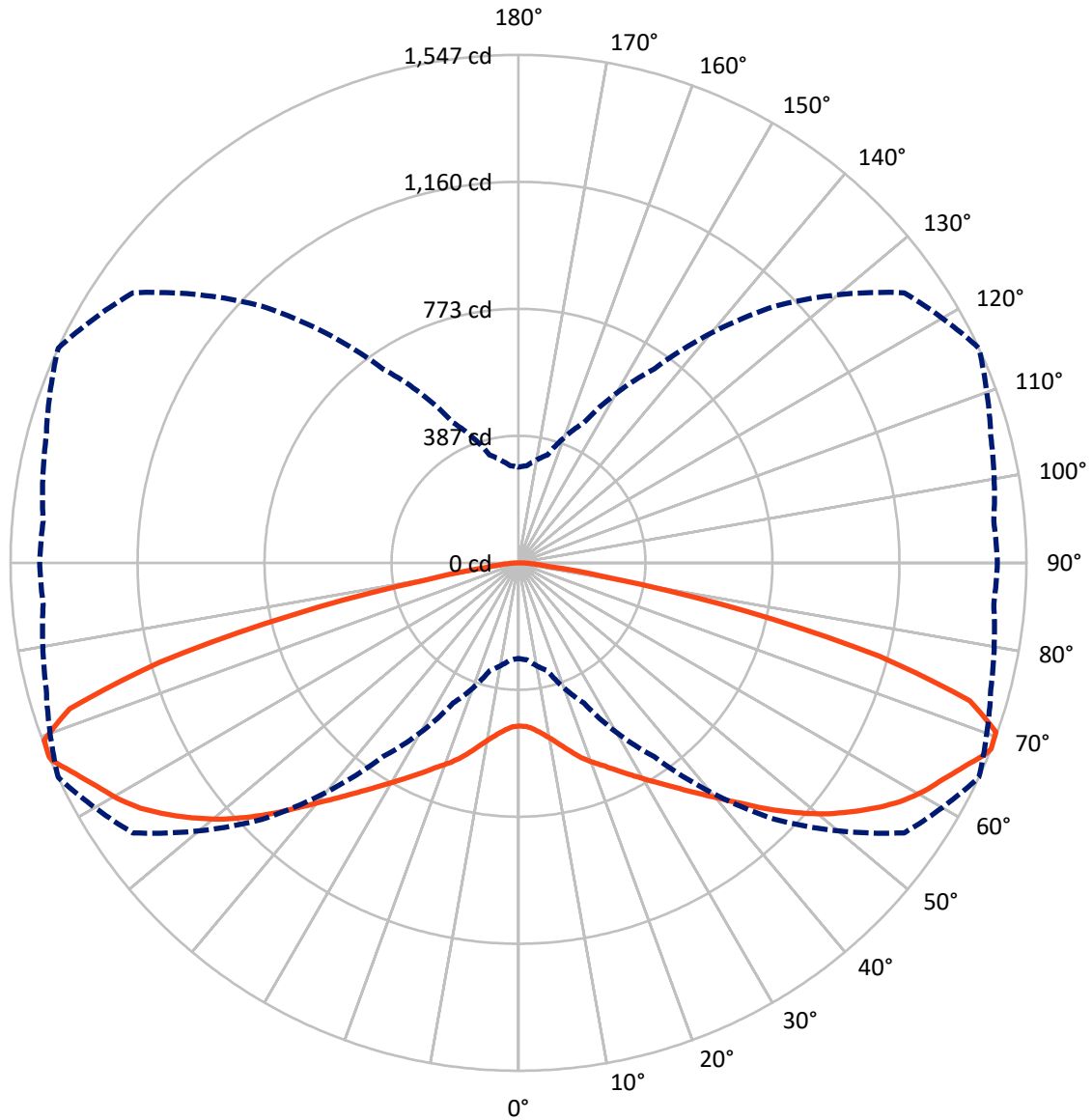
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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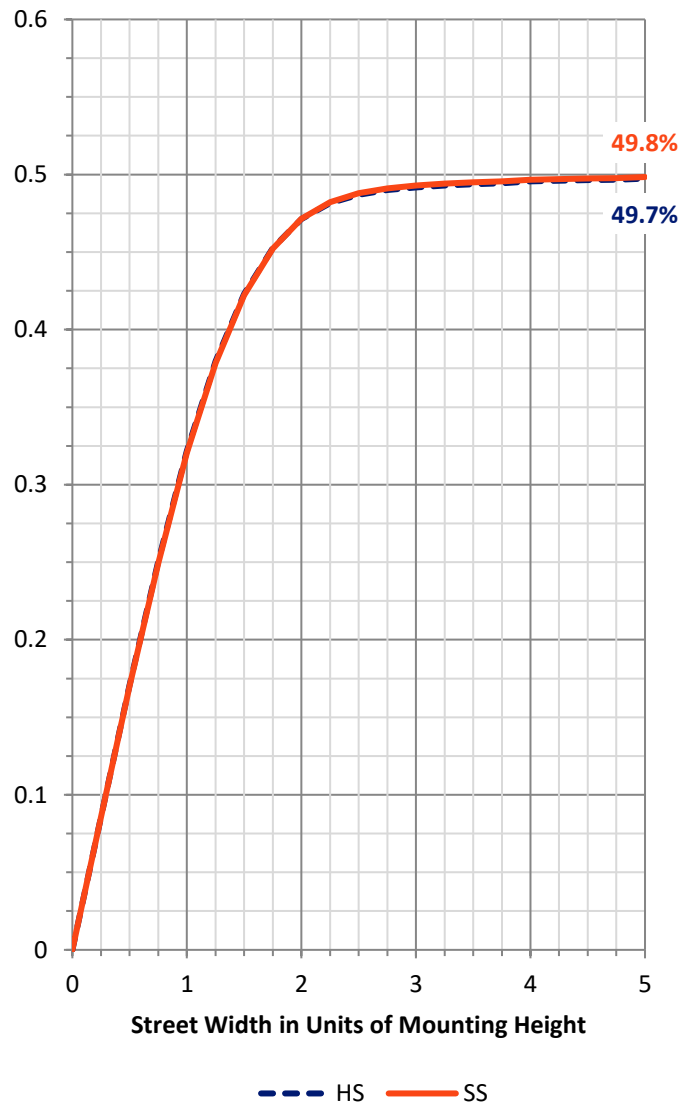
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2389.3	0.0	2389.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2389.3	0.0	2389.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4778.7	0.0	4778.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	1.0
10°-20°	162.9	3.4
20°-30°	317.6	6.6
30°-40°	533.5	11.2
40°-50°	840.7	17.6
50°-60°	1124.2	23.5
60°-70°	1092.9	22.9
70°-80°	597.4	12.5
80°-90°	60.8	1.3
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°	4778.7	100.0
0°-180°	4778.7	100.0

Coefficient of Utilization



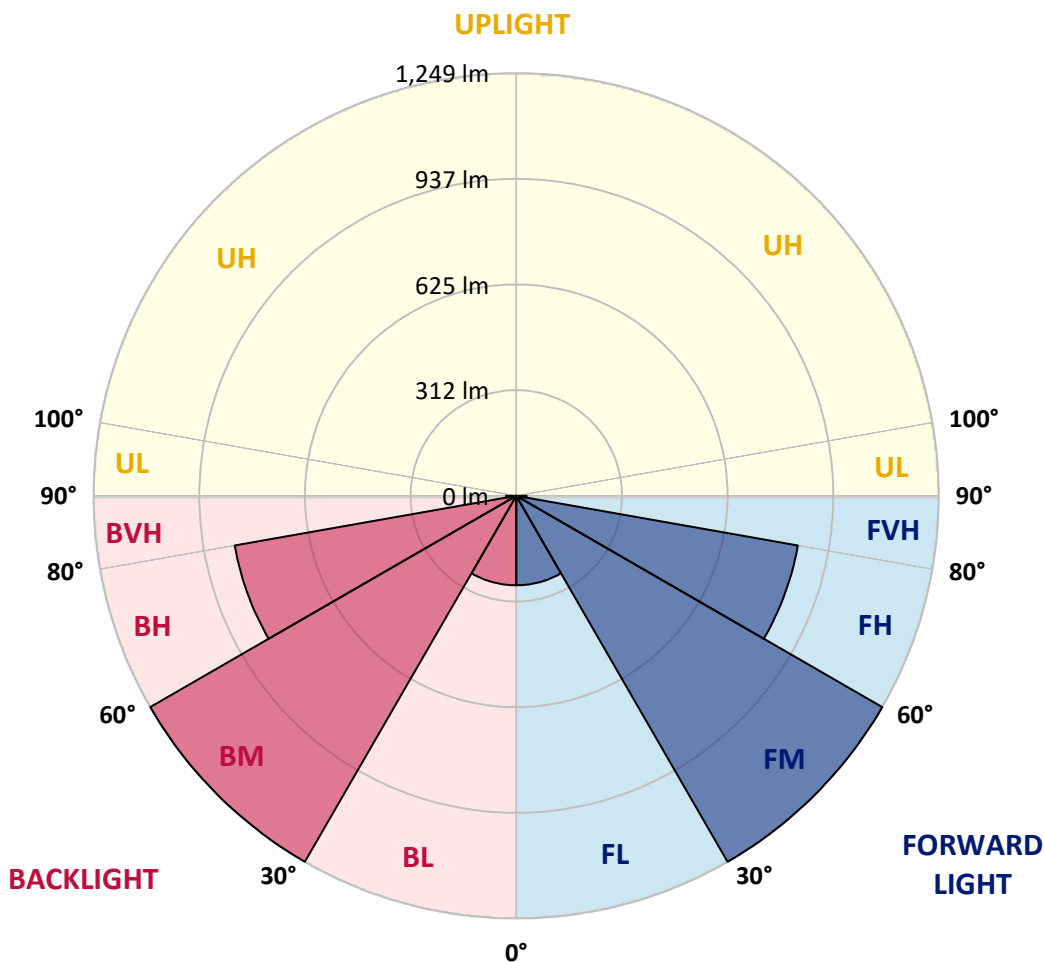
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.6	5.5			
FM	(30°-60°)	1249.2	26.1			
FH	(60°-80°)	845.2	17.7			G1/1800
FVH	(80°-90°)	30.4	0.6			G1/100
BL	(0°-30°)	264.6	5.5	B1/500		
BM	(30°-60°)	1249.2	26.1	B2/2500		
BH	(60°-80°)	845.2	17.7	B2/1000		G2/1000
BVH	(80°-90°)	30.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	496.8	496.8	496.8	496.8	496.8	496.8	496.8	496.8	496.8	496.8	496.8
2.5°	493.4	493.5	494.3	495.2	496.1	498.2	498.6	499.5	499.8	500.6	500.6
5°	489.0	489.3	491.3	493.8	496.8	501.8	505.5	509.7	511.8	514.0	513.8
7.5°	488.6	489.3	492.1	496.2	501.1	509.5	517.2	525.6	531.1	536.3	535.9
10°	493.5	494.8	498.6	504.9	512.1	522.7	534.0	545.2	555.0	562.9	563.2
12.5°	501.1	502.7	508.8	518.2	529.1	542.7	556.1	568.8	582.2	594.0	594.9
15°	510.9	513.1	522.2	536.3	552.9	569.2	583.6	596.5	612.1	628.3	629.9
17.5°	525.7	528.6	540.6	559.7	581.7	599.4	614.5	624.2	637.2	653.9	656.9
20°	548.1	551.8	567.0	589.8	616.5	635.1	646.7	648.7	655.1	670.1	673.6
22.5°	577.4	580.5	597.5	624.6	654.6	674.8	680.8	672.5	671.9	683.9	687.3
25°	609.9	612.7	632.4	662.8	695.1	717.3	717.2	701.0	689.8	699.1	702.6
27.5°	646.4	650.8	669.8	701.8	736.3	758.2	757.0	732.0	710.7	713.0	716.1
30°	688.4	693.3	711.8	744.3	778.8	800.2	798.6	765.6	733.6	727.1	729.3
32.5°	740.4	746.3	763.8	795.9	826.3	845.7	841.0	802.1	761.1	747.2	749.3
35°	803.1	806.6	825.0	856.6	881.2	894.6	884.8	844.4	796.0	779.2	779.2
37.5°	866.5	869.2	889.9	920.5	944.4	951.4	932.3	890.7	841.7	817.8	818.3
40°	927.4	934.8	958.0	989.5	1012.9	1014.9	989.6	943.6	892.5	867.8	870.7
42.5°	991.1	998.2	1025.9	1061.5	1082.4	1085.6	1055.9	1002.9	949.8	929.8	933.0
45°	1047.7	1053.5	1085.6	1126.9	1152.8	1161.2	1126.1	1070.8	1011.8	992.3	993.1
47.5°	1087.3	1094.9	1130.1	1178.8	1216.6	1229.5	1195.0	1136.9	1072.9	1049.2	1051.3
50°	1123.2	1127.2	1163.0	1216.1	1264.2	1290.6	1261.1	1202.3	1134.6	1109.4	1111.7
52.5°	1143.2	1148.4	1183.0	1238.4	1295.3	1337.9	1319.9	1261.1	1194.2	1169.6	1172.4
55°	1129.3	1133.1	1174.6	1243.4	1314.5	1367.1	1369.8	1318.7	1252.7	1231.2	1238.9
57.5°	1065.8	1070.6	1121.3	1211.3	1316.9	1386.8	1407.3	1372.1	1307.4	1289.9	1294.3
60°	966.6	969.7	1023.8	1125.0	1270.2	1395.0	1431.2	1415.7	1360.8	1343.3	1349.4
62.5°	789.9	794.4	859.0	994.7	1171.2	1370.8	1454.3	1451.6	1410.7	1394.6	1400.1
65°	540.0	547.9	619.2	790.9	1018.9	1296.7	1475.2	1493.6	1454.7	1434.5	1441.8
67.5°	326.1	331.8	383.6	522.2	779.7	1147.4	1453.6	1541.5	1485.8	1453.2	1459.3
68°	291.5	296.8	340.0	471.2	721.2	1105.3	1433.9	1546.9	1489.1	1453.0	1458.2
70°	176.1	179.6	208.6	291.3	480.9	876.7	1299.5	1542.4	1510.6	1457.5	1460.5
72.5°	114.7	115.8	120.6	149.5	245.7	490.3	975.3	1437.3	1542.9	1483.6	1483.1
75°	95.3	94.7	95.2	98.5	121.1	215.0	569.9	1135.4	1470.7	1442.3	1432.3
77.5°	80.6	80.1	79.9	80.1	81.1	103.8	247.4	707.3	1125.5	1275.9	1284.9
80°	65.2	64.5	66.7	65.7	62.8	64.5	103.7	294.2	530.5	570.8	534.9
82.5°	47.4	45.0	54.0	51.5	49.0	45.5	57.2	95.0	126.5	86.8	61.1
85°	36.5	34.0	41.1	39.5	33.6	23.2	34.0	46.5	51.3	29.3	23.1
87.5°	14.9	15.7	29.7	23.4	19.7	11.2	13.9	18.6	25.0	12.5	9.6
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)