

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: P386271

Luminaire Tested: GAW-SA1D-830-U-RW

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386271
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-SA1D-830-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6732 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

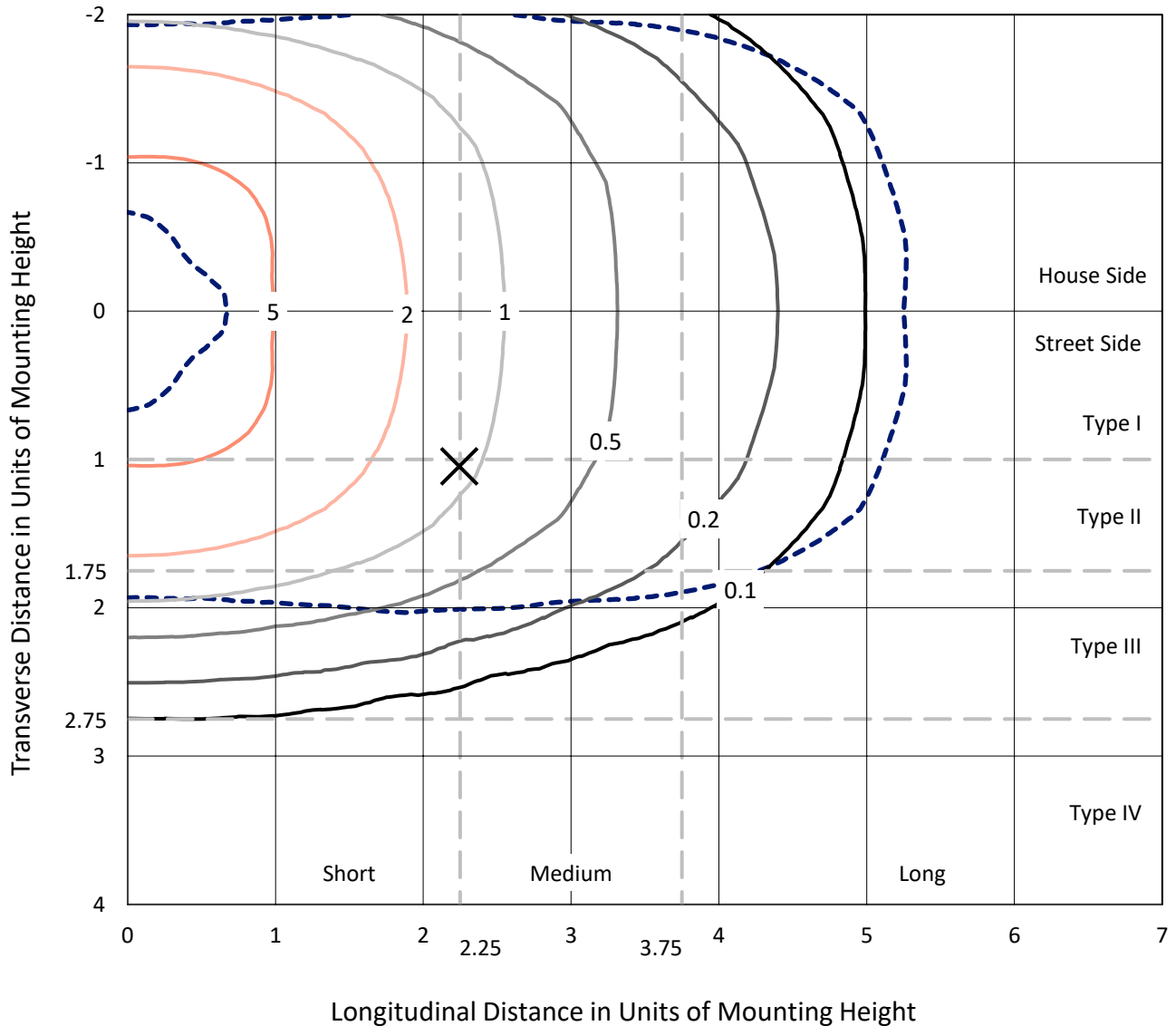
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

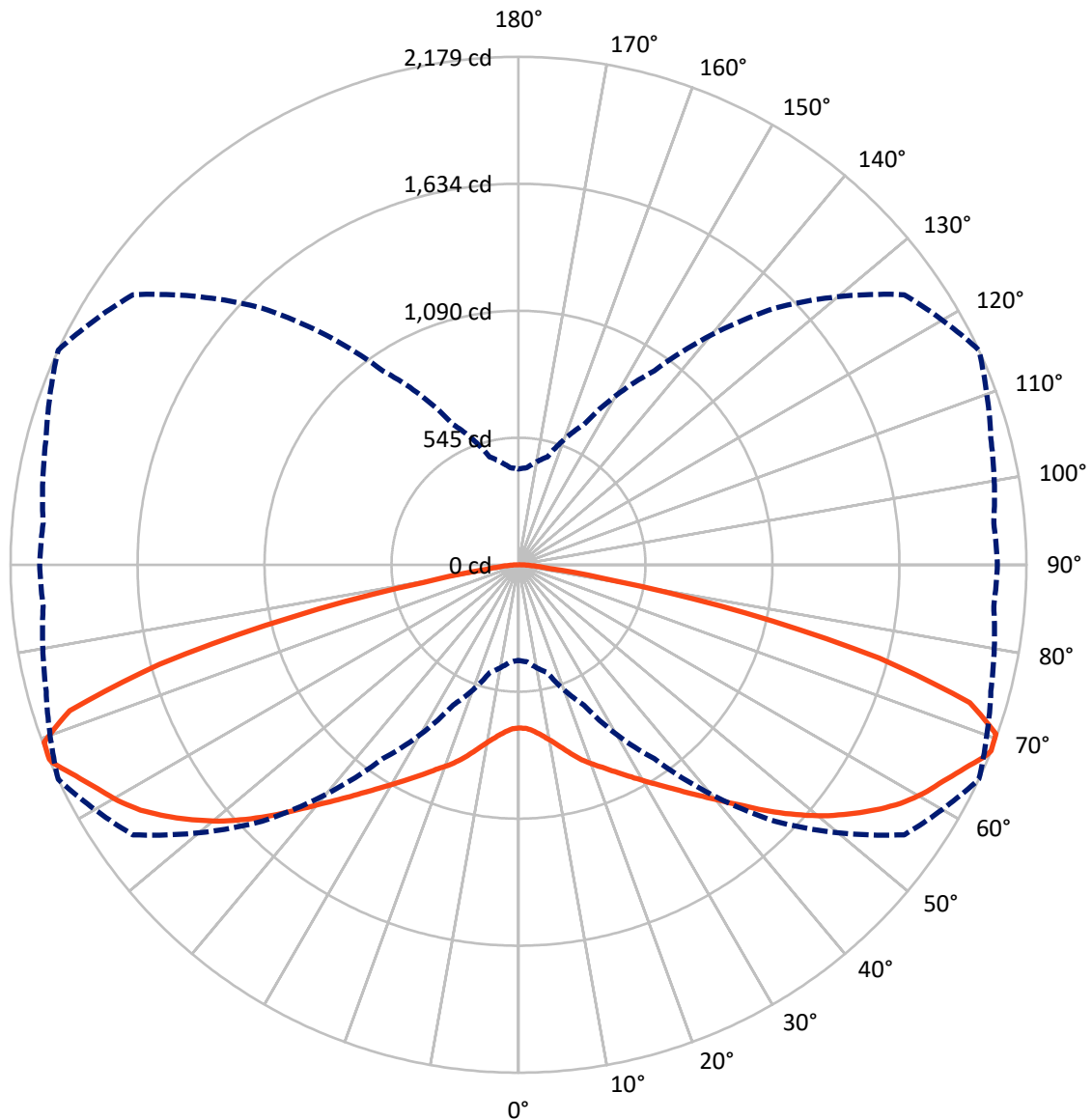
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	3366.0	0.0	3366.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3366.0	0.0	3366.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6732.0	0.0	6732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.0
10°-20°	229.5	3.4
20°-30°	447.4	6.6
30°-40°	751.6	11.2
40°-50°	1184.3	17.6
50°-60°	1583.8	23.5
60°-70°	1539.6	22.9
70°-80°	841.6	12.5
80°-90°	85.6	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°	6732.0	100.0
0°-180°	6732.0	100.0

Coefficient of Utilization



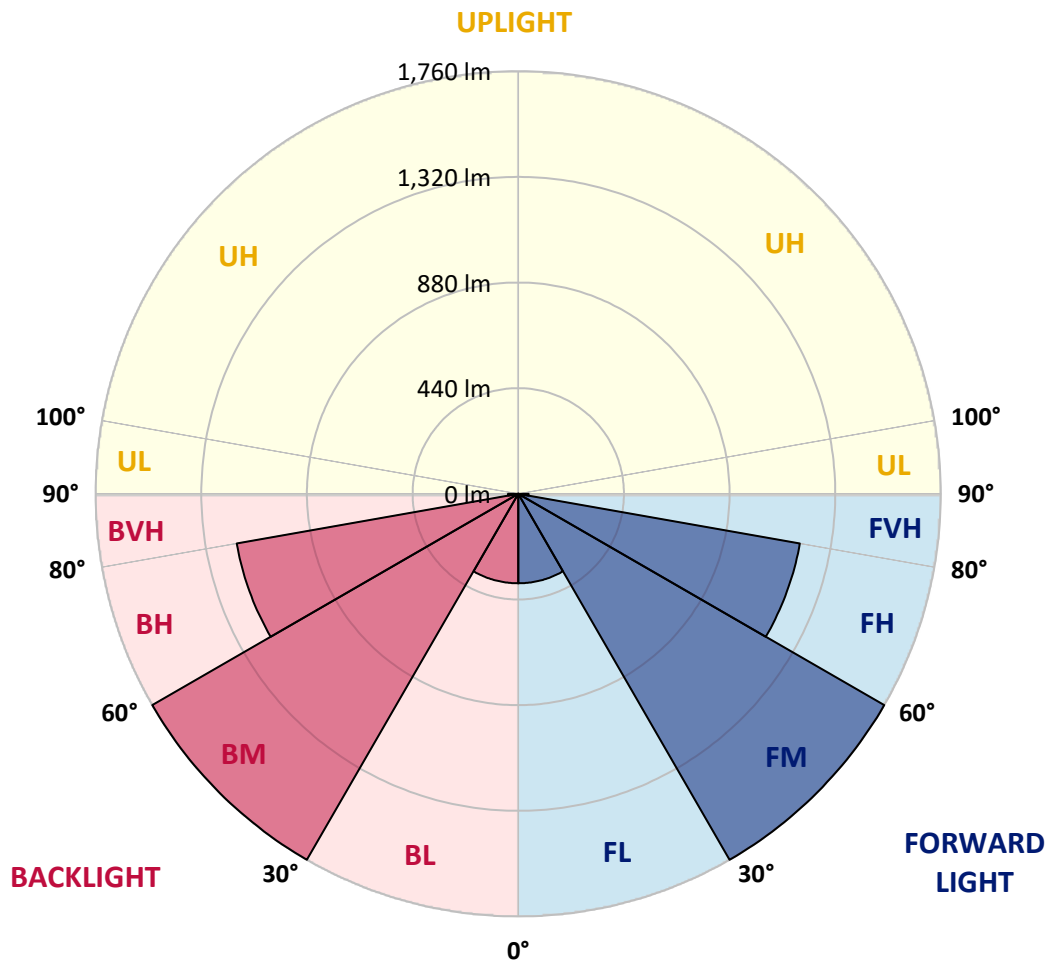
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.7	5.5			
FM (30°-60°)	1759.9	26.1			
FH (60°-80°)	1190.6	17.7			G1/1800
FVH (80°-90°)	42.8	0.6			G1/100
BL (0°-30°)	372.7	5.5	B1/500		
BM (30°-60°)	1759.9	26.1	B2/2500		
BH (60°-80°)	1190.6	17.7	B3/2500		G3/2500
BVH (80°-90°)	42.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0
2.5°	695.0	695.2	696.4	697.7	698.8	701.8	702.5	703.6	704.0	705.2	705.2
5°	688.9	689.4	692.1	695.7	699.7	707.0	712.2	718.0	721.0	724.1	723.9
7.5°	688.2	689.4	693.2	699.1	705.8	717.8	728.6	740.4	748.3	755.5	755.0
10°	695.2	697.0	702.5	711.3	721.4	736.3	752.3	768.1	781.9	793.0	793.4
12.5°	705.8	708.1	716.7	730.0	745.3	764.5	783.5	801.3	820.3	836.8	838.1
15°	719.8	722.8	735.6	755.5	779.0	801.8	822.1	840.4	862.3	885.1	887.3
17.5°	740.6	744.7	761.6	788.5	819.4	844.4	865.7	879.4	897.7	921.2	925.5
20°	772.2	777.4	798.8	830.9	868.6	894.8	911.0	914.0	923.0	944.0	948.9
22.5°	813.3	817.8	841.7	879.9	922.1	950.5	959.1	947.4	946.5	963.4	968.1
25°	859.1	863.2	890.9	933.8	979.2	1010.6	1010.3	987.5	971.7	984.8	989.8
27.5°	910.6	916.9	943.5	988.7	1037.2	1068.1	1066.3	1031.1	1001.1	1004.5	1008.8
30°	969.7	976.7	1002.7	1048.5	1097.0	1127.3	1125.0	1078.5	1033.4	1024.3	1027.5
32.5°	1043.1	1051.4	1076.0	1121.2	1164.1	1191.4	1184.8	1130.0	1072.2	1052.6	1055.5
35°	1131.3	1136.3	1162.3	1206.7	1241.5	1260.2	1246.4	1189.6	1121.4	1097.7	1097.7
37.5°	1220.7	1224.6	1253.7	1296.8	1330.4	1340.3	1313.5	1254.8	1185.7	1152.1	1152.8
40°	1306.5	1316.9	1349.6	1393.8	1427.0	1429.7	1394.1	1329.3	1257.3	1222.5	1226.6
42.5°	1396.1	1406.3	1445.3	1495.4	1524.8	1529.3	1487.5	1412.8	1338.1	1309.9	1314.4
45°	1476.0	1484.1	1529.3	1587.5	1624.1	1635.8	1586.4	1508.5	1425.4	1397.9	1399.0
47.5°	1531.8	1542.4	1592.0	1660.7	1713.9	1732.0	1683.4	1601.7	1511.4	1478.0	1481.0
50°	1582.3	1588.0	1638.3	1713.2	1781.0	1818.2	1776.7	1693.8	1598.4	1562.9	1566.1
52.5°	1610.5	1617.8	1666.5	1744.6	1824.8	1884.8	1859.5	1776.7	1682.3	1647.8	1651.6
55°	1590.9	1596.3	1654.8	1751.6	1851.8	1925.9	1929.7	1857.7	1764.7	1734.5	1745.3
57.5°	1501.5	1508.3	1579.6	1706.5	1855.2	1953.6	1982.5	1932.9	1841.7	1817.1	1823.4
60°	1361.8	1366.1	1442.1	1584.8	1789.3	1965.2	2016.2	1994.3	1917.1	1892.5	1901.0
62.5°	1112.8	1119.1	1210.1	1401.3	1650.0	1931.1	2048.7	2045.1	1987.3	1964.7	1972.4
65°	760.7	771.7	872.4	1114.2	1435.4	1826.8	2078.2	2104.2	2049.3	2020.9	2031.1
67.5°	459.3	467.5	540.4	735.6	1098.4	1616.4	2047.8	2171.5	2093.1	2047.3	2055.7
68°	410.6	418.0	479.0	663.9	1016.0	1557.0	2020.0	2179.1	2097.9	2046.9	2054.3
70°	248.1	253.0	293.9	410.4	677.4	1235.2	1830.6	2172.8	2128.1	2053.2	2057.5
72.5°	161.6	163.2	170.0	210.6	346.0	690.7	1374.0	2024.7	2173.5	2090.0	2089.3
75°	134.3	133.4	134.1	138.8	170.6	302.9	802.9	1599.5	2071.9	2032.0	2017.7
77.5°	113.5	112.9	112.6	112.9	114.2	146.3	348.5	996.3	1585.5	1797.4	1810.1
80°	91.9	91.0	93.9	92.5	88.5	91.0	146.0	414.4	747.4	804.0	753.5
82.5°	66.8	63.4	76.1	72.5	69.1	64.1	80.6	133.9	178.3	122.3	86.0
85°	51.5	47.9	57.8	55.5	47.4	32.7	47.9	65.5	72.2	41.3	32.5
87.5°	21.0	22.1	41.8	33.0	27.8	15.8	19.6	26.2	35.2	17.6	13.5
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)