

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: P385679

Luminaire Tested: GAW-SA1B-730-U-5NQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385679  
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  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1B-730-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 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: 5733 lumens  
Efficiency: N/A  
Efficacy: 130.3 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

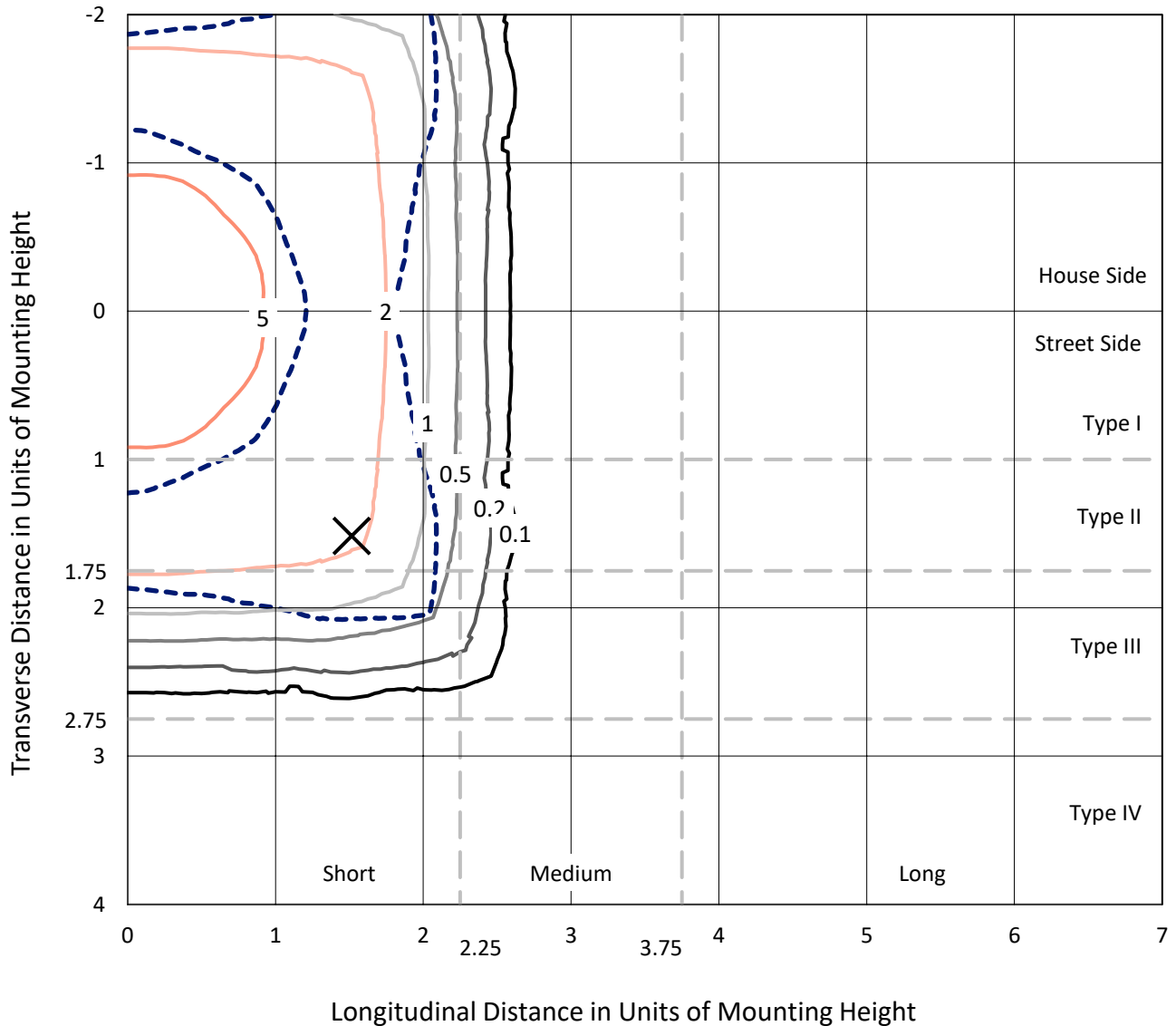
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

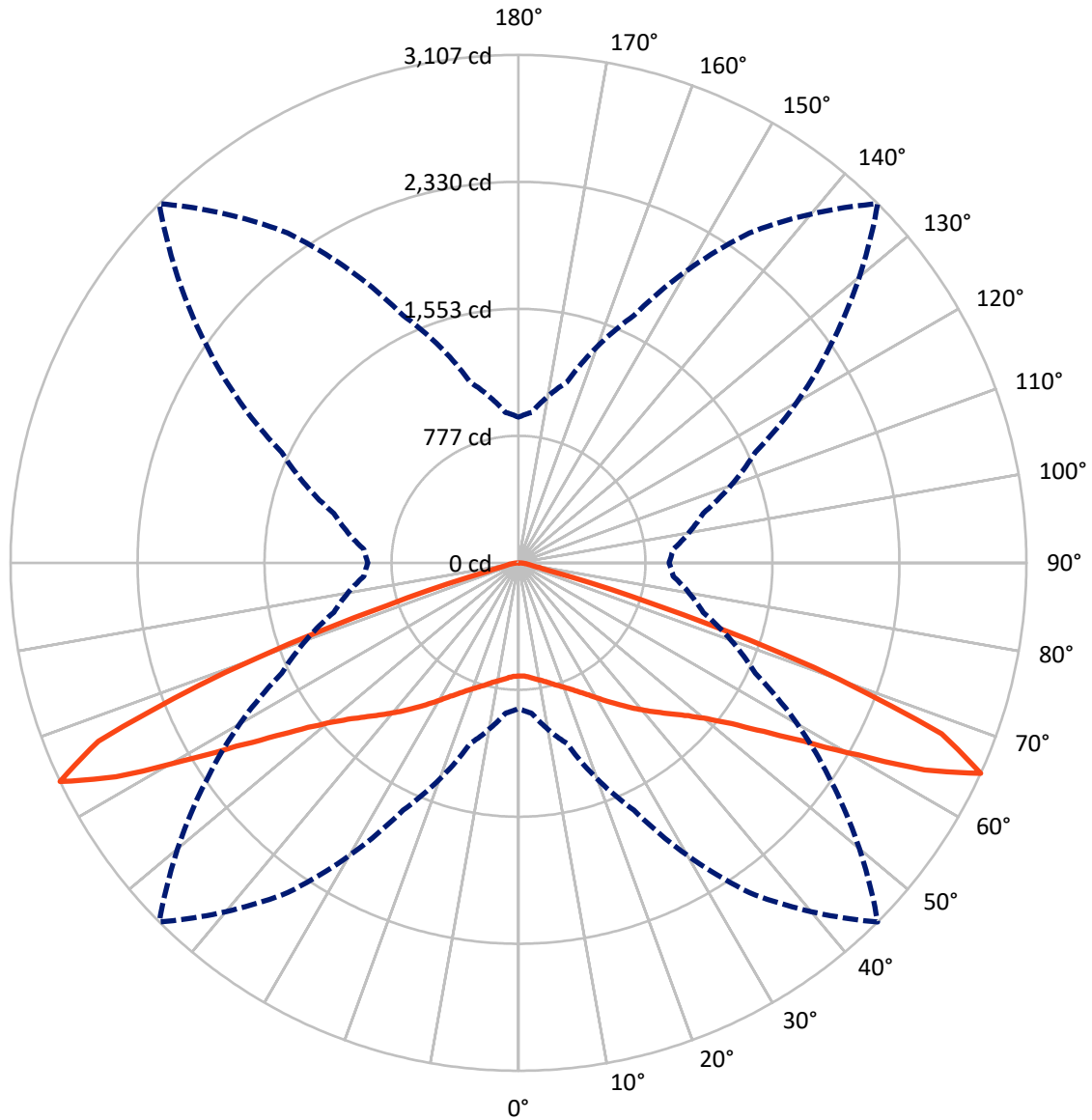
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2866.5	0.0	2866.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2866.5	0.0	2866.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5733.0	0.0	5733.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.9	1.2
10°-20°	218.3	3.8
20°-30°	409.6	7.1
30°-40°	677.5	11.8
40°-50°	1049.3	18.3
50°-60°	1609.3	28.1
60°-70°	1501.7	26.2
70°-80°	174.8	3.0
80°-90°	24.6	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°	5733.0	100.0
0°-180°	5733.0	100.0

**Coefficient of Utilization**



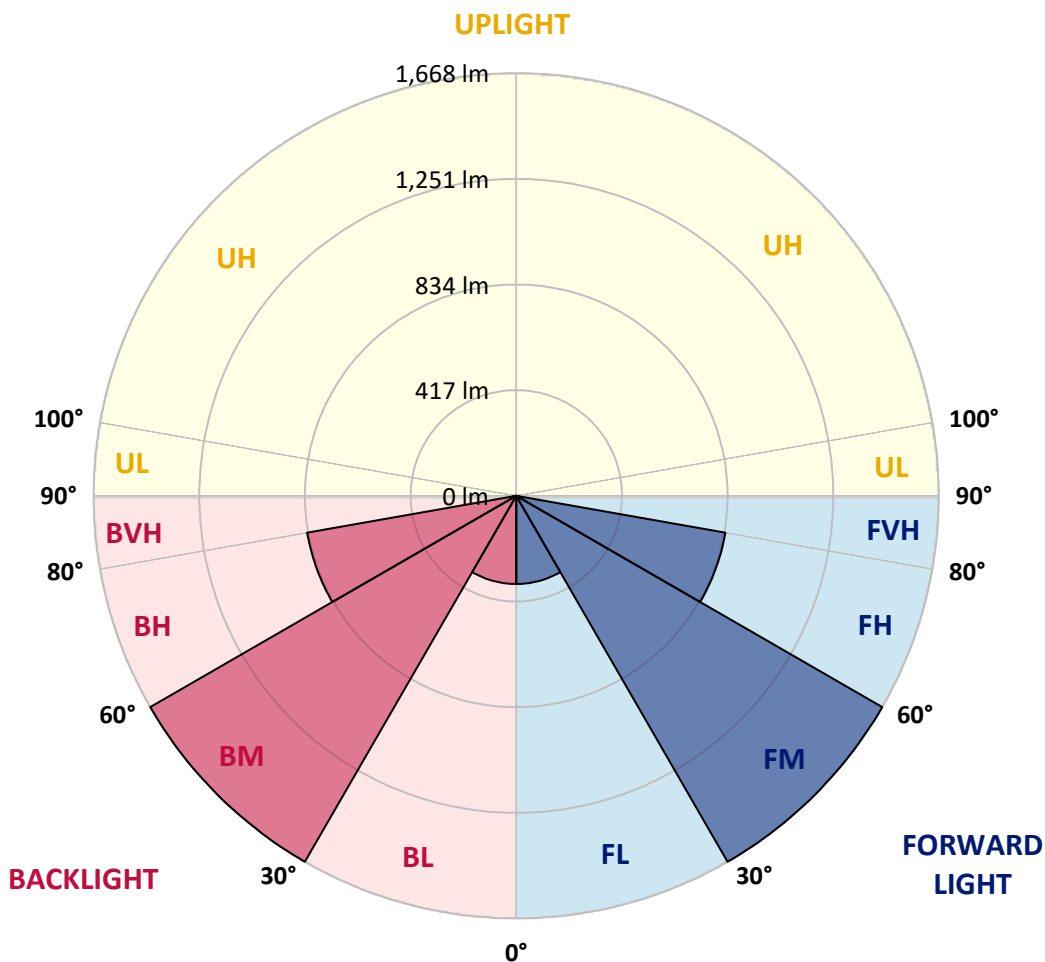
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.0	6.1			
FM (30°-60°)	1668.0	29.1			
FH (60°-80°)	838.2	14.6			G1/1800
FVH (80°-90°)	12.3	0.2			G1/100
BL (0°-30°)	348.0	6.1	B1/500		
BM (30°-60°)	1668.0	29.1	B2/2500		
BH (60°-80°)	838.2	14.6	B2/1000		G1/1800
BVH (80°-90°)	12.3	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°	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3
2.5°	694.6	694.2	694.6	694.8	693.7	694.2	694.0	695.0	695.4	695.0	695.0
5°	702.6	702.0	702.8	703.8	702.2	702.6	702.0	703.2	703.6	702.8	703.4
7.5°	713.6	713.8	714.6	716.3	715.4	716.1	715.0	715.2	715.0	713.8	714.0
10°	725.6	725.8	727.2	729.4	729.8	729.8	729.1	728.5	727.7	727.0	727.2
12.5°	740.1	741.1	742.0	744.9	744.9	746.4	746.0	744.5	743.1	742.0	742.0
15°	759.7	759.5	760.7	763.5	764.8	767.3	767.3	765.2	763.5	762.4	762.0
17.5°	780.3	780.8	781.6	785.0	787.1	790.0	790.3	788.6	787.5	786.0	785.0
20°	804.2	805.2	808.2	809.6	811.5	814.1	815.1	814.7	813.6	812.8	813.0
22.5°	832.2	834.7	836.6	838.5	840.8	842.7	843.6	845.0	843.8	843.2	842.9
25°	866.1	867.8	871.6	875.0	876.5	877.1	878.3	880.2	880.0	878.6	878.6
27.5°	904.5	907.8	912.5	917.5	917.5	915.6	919.4	922.6	921.5	919.7	917.5
30°	951.1	954.2	959.7	966.6	963.1	961.8	966.9	972.8	971.1	968.3	967.9
32.5°	1001.4	1004.2	1011.5	1018.9	1014.5	1012.6	1018.1	1026.7	1023.7	1017.9	1014.5
35°	1055.8	1058.7	1068.9	1077.9	1070.5	1067.2	1071.8	1081.1	1075.8	1065.1	1062.5
37.5°	1115.0	1116.5	1129.8	1139.0	1133.8	1125.3	1131.0	1137.8	1133.3	1120.3	1115.2
40°	1176.5	1182.0	1197.4	1208.1	1199.1	1185.6	1195.1	1204.6	1197.8	1181.2	1172.5
42.5°	1248.2	1252.4	1273.0	1282.5	1268.0	1249.0	1261.9	1274.9	1268.0	1252.0	1244.4
45°	1322.8	1329.3	1353.8	1363.4	1342.4	1318.2	1334.0	1356.7	1356.1	1333.1	1325.1
47.5°	1404.1	1410.5	1439.9	1452.4	1429.8	1397.4	1419.7	1451.7	1449.4	1424.1	1417.6
50°	1497.9	1504.7	1541.3	1557.1	1536.0	1498.3	1531.8	1559.9	1555.7	1524.5	1525.1
52.5°	1615.7	1615.3	1660.8	1688.2	1666.5	1633.2	1664.0	1691.4	1674.1	1630.9	1629.6
55°	1718.8	1725.1	1781.5	1833.4	1832.1	1819.3	1831.7	1832.8	1783.4	1725.9	1718.8
57.5°	1786.6	1798.6	1877.9	1971.9	2042.4	2059.3	2035.3	1962.6	1846.7	1754.8	1743.6
60°	1744.9	1763.2	1887.8	2079.5	2286.9	2386.4	2251.1	2025.6	1797.4	1669.4	1654.1
62.5°	1463.6	1494.5	1677.0	2027.5	2497.4	2788.4	2407.6	1924.6	1601.4	1425.0	1398.9
65°	891.4	923.9	1143.9	1668.8	2463.3	3106.6	2336.2	1597.4	1168.9	949.4	921.3
67.5°	297.1	306.6	436.2	922.4	1936.0	2791.2	1939.2	956.3	508.7	337.2	327.3
70°	116.3	117.2	138.4	267.4	914.2	1917.1	1008.8	272.1	144.6	114.4	116.8
72.5°	85.4	85.8	91.7	111.7	238.3	844.6	246.8	112.3	89.3	80.1	80.1
75°	68.7	68.7	72.9	81.5	106.8	193.7	108.3	80.5	69.8	63.9	63.2
77.5°	54.2	55.4	58.6	64.1	72.3	93.2	75.0	63.8	56.3	50.8	49.7
80°	40.3	41.5	46.8	49.5	52.0	64.7	55.4	49.9	44.5	38.1	36.9
82.5°	26.5	27.6	34.3	35.8	35.2	42.2	37.3	36.7	32.7	24.5	23.4
85°	17.3	17.7	22.8	23.8	21.9	19.2	23.8	25.1	22.8	16.0	15.4
87.5°	8.2	8.2	11.6	10.8	9.9	8.0	10.8	12.8	12.9	7.8	7.6
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)