

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: P316116

Luminaire Tested: **GAN-SA2B-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11217 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 85
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

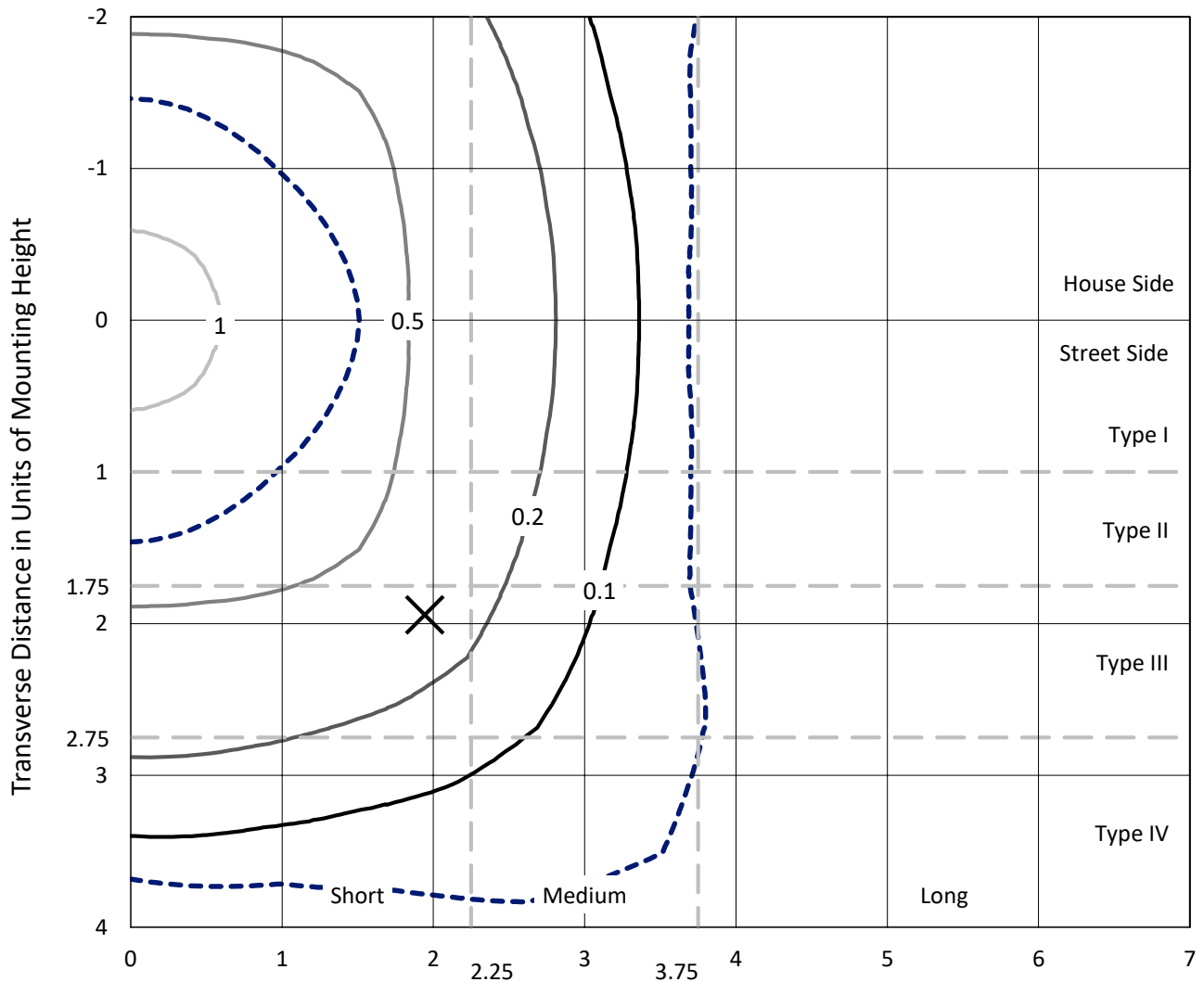




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Iso-Footcandle Lines of Horizontal Illumination

x Max cd
 - - - 1/2 Max cd

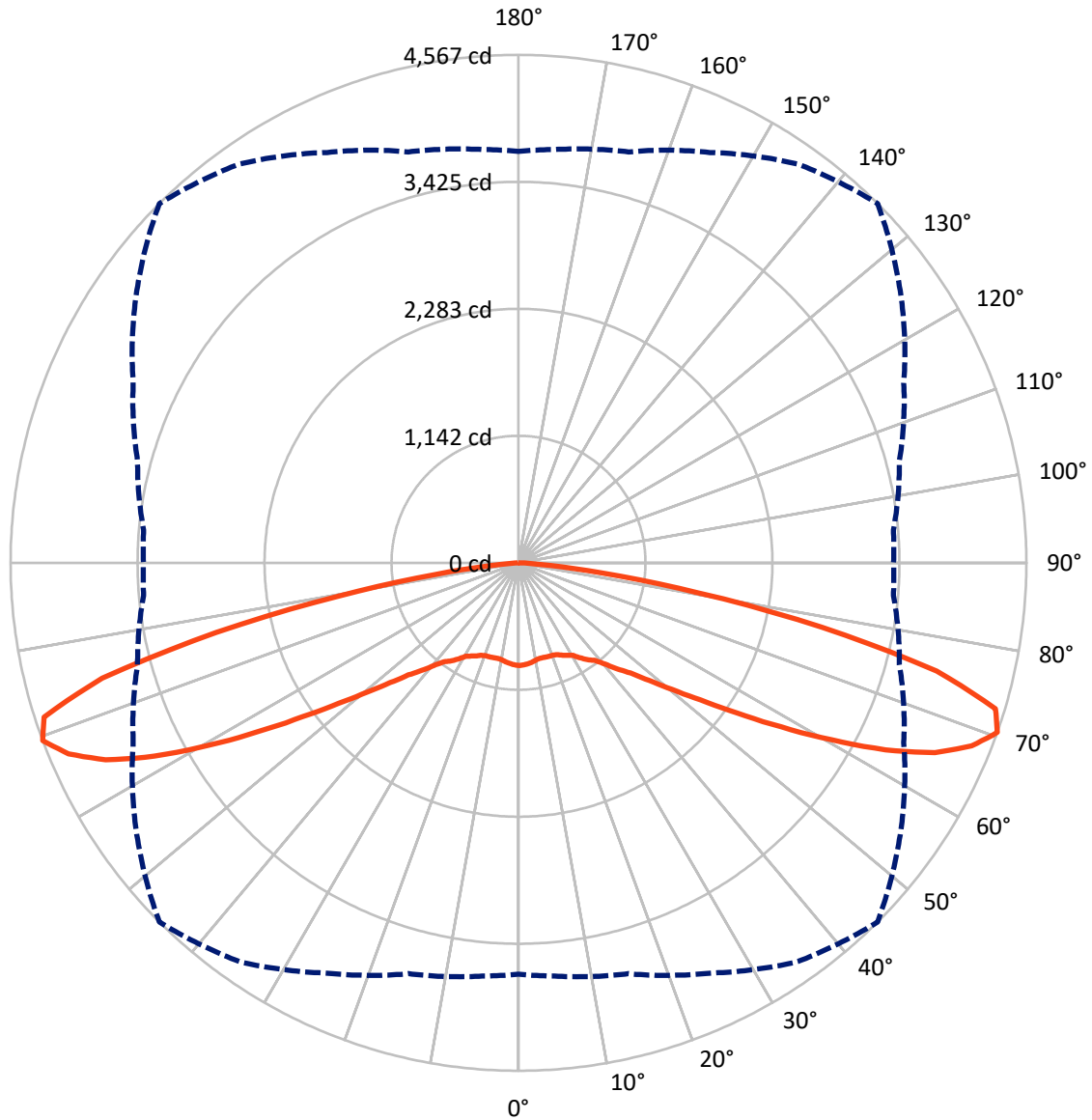


Longitudinal Distance in Units of Mounting Height

Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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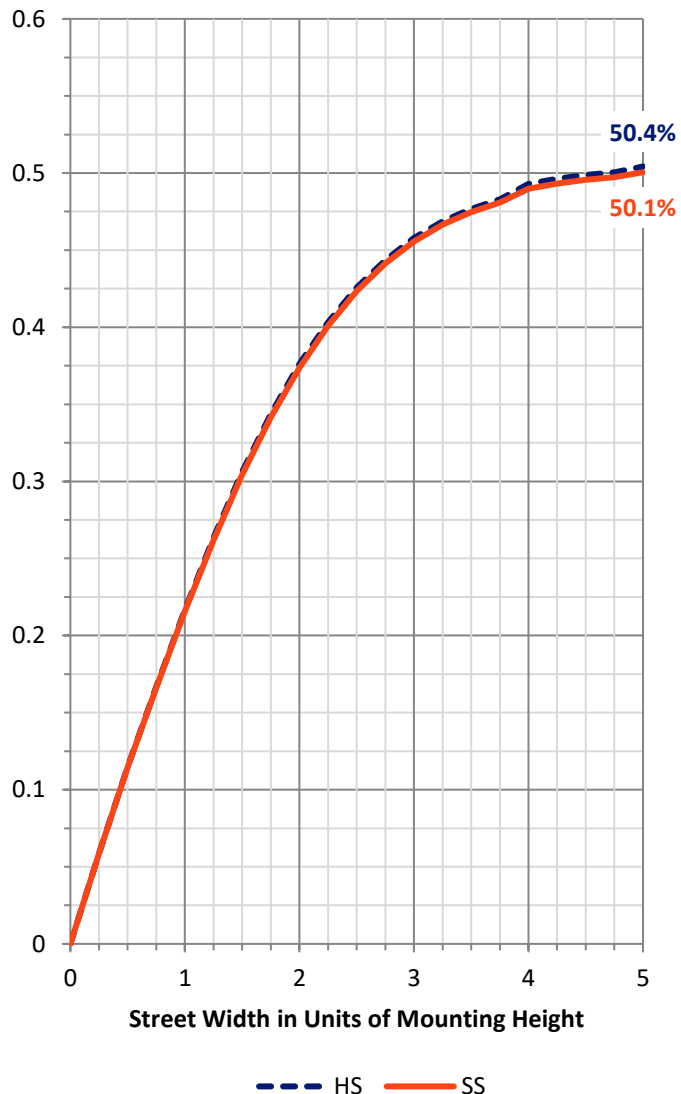
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5608.5	0.0	5608.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5608.5	0.0	5608.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11217.0	0.0	11217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	0.8
10°-20°	251.7	2.2
20°-30°	429.1	3.8
30°-40°	670.5	6.0
40°-50°	1136.3	10.1
50°-60°	2072.2	18.5
60°-70°	3567.4	31.8
70°-80°	2796.3	24.9
80°-90°	207.3	1.8
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°	11217.0	100.0
0°-180°	11217.0	100.0

Coefficient of Utilization

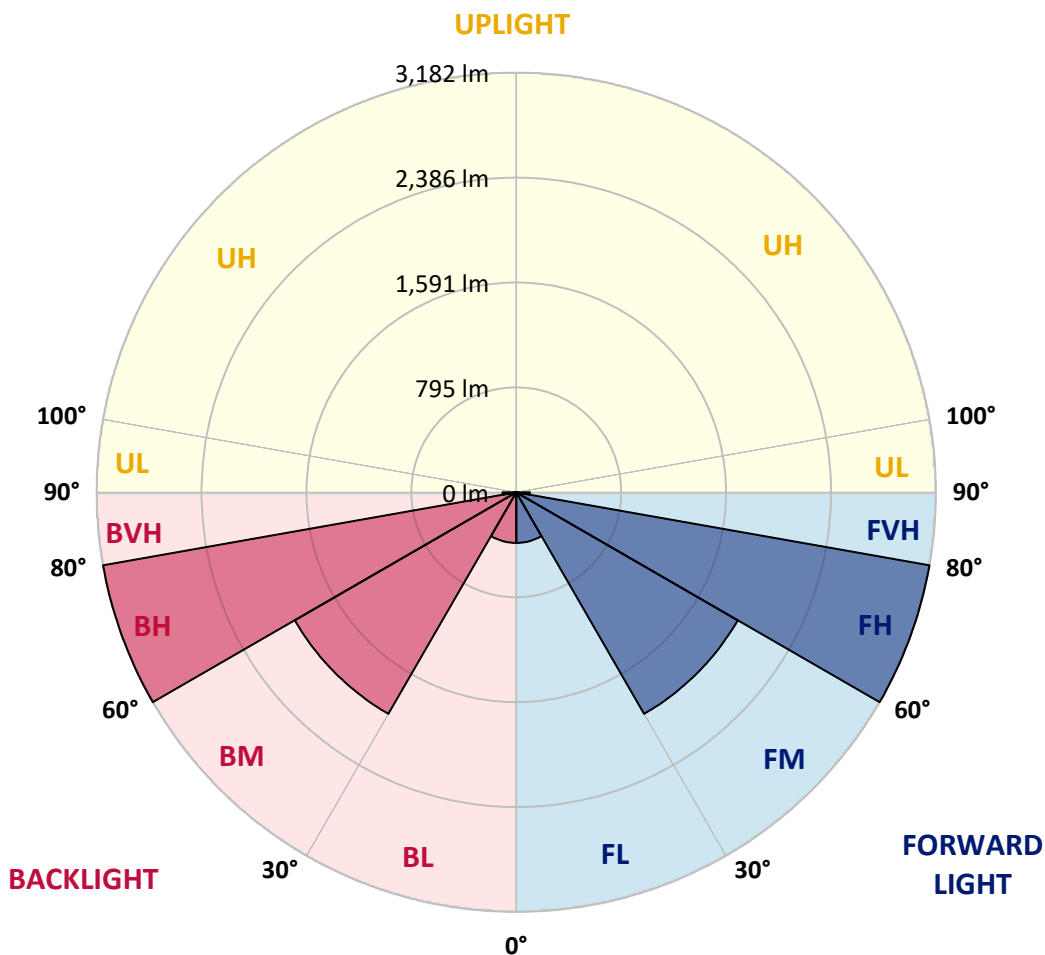


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.5	3.4			
FM (30°-60°)	1939.5	17.3			
FH (60°-80°)	3181.8	28.4			G2/5000
FVH (80°-90°)	103.7	0.9			G2/225
BL (0°-30°)	383.5	3.4	B1/500		
BM (30°-60°)	1939.5	17.3	B2/2500		
BH (60°-80°)	3181.8	28.4	B4/5000		G2/5000
BVH (80°-90°)	103.7	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	923.2	923.2	923.2	923.2	923.2	923.2	923.2	923.2	923.2	923.2	923.2
2.5°	919.1	920.2	919.1	919.8	918.0	918.7	918.7	918.7	918.3	918.7	918.0
5°	910.9	911.7	910.2	910.9	909.8	910.9	911.3	910.9	910.2	910.5	909.1
7.5°	898.7	899.4	898.3	899.4	897.9	899.8	899.4	898.3	897.2	897.2	895.7
10°	892.0	892.4	889.4	888.3	884.9	885.7	886.8	887.9	889.0	891.3	890.9
12.5°	892.4	892.4	887.9	883.1	878.3	879.4	881.2	885.3	889.8	893.8	894.2
15°	896.1	895.7	889.0	881.2	877.9	881.2	882.3	884.9	892.0	899.0	899.4
17.5°	898.7	898.7	888.3	879.4	879.0	884.2	883.8	884.9	892.7	903.1	903.5
20°	903.5	903.5	890.1	880.5	880.5	886.1	886.4	888.3	896.1	907.6	909.4
22.5°	914.3	914.6	900.5	892.7	893.5	896.8	897.9	900.9	907.9	920.6	922.8
25°	929.5	930.2	915.7	911.3	913.9	920.2	919.5	921.7	929.5	941.7	943.9
27.5°	950.6	948.8	935.4	933.5	936.1	940.6	940.2	940.6	946.9	958.0	960.6
30°	978.1	977.3	967.7	968.8	967.7	966.2	966.6	969.5	972.9	981.8	984.4
32.5°	1004.8	1005.5	999.6	1005.2	1013.3	1018.9	1010.4	1002.2	998.5	1003.3	1005.5
35°	1053.0	1054.9	1045.6	1041.9	1053.0	1069.4	1045.2	1031.9	1039.3	1045.6	1047.5
37.5°	1135.0	1136.1	1120.6	1105.7	1097.6	1113.1	1089.0	1090.1	1116.1	1128.0	1127.6
40°	1228.5	1228.9	1218.5	1205.5	1191.4	1195.1	1185.5	1188.5	1205.5	1216.3	1219.3
42.5°	1339.8	1338.7	1322.4	1303.9	1299.8	1303.5	1287.2	1284.9	1304.6	1323.9	1324.3
45°	1484.2	1481.6	1460.4	1440.0	1420.4	1412.2	1408.1	1418.9	1446.0	1463.8	1464.1
47.5°	1639.6	1632.6	1621.5	1605.1	1588.1	1579.9	1573.2	1578.4	1598.1	1605.1	1605.9
50°	1799.6	1801.1	1803.3	1797.0	1790.7	1788.1	1770.6	1760.6	1766.5	1753.6	1751.7
52.5°	1989.2	1992.1	2013.7	2031.8	2042.6	2048.2	2015.1	1980.6	1961.3	1936.1	1928.7
55°	2212.9	2217.7	2249.3	2299.7	2351.7	2379.1	2319.4	2254.8	2195.1	2148.0	2132.8
57.5°	2462.3	2470.8	2514.2	2611.0	2717.5	2782.5	2681.5	2564.3	2448.9	2381.0	2369.1
60°	2754.6	2762.8	2822.9	2961.7	3134.2	3231.8	3078.9	2887.1	2743.5	2678.6	2656.7
62.5°	3102.7	3103.4	3177.3	3339.4	3567.2	3703.0	3496.0	3239.6	3091.5	3013.3	2992.1
65°	3477.1	3478.9	3555.4	3730.5	3966.1	4113.8	3880.0	3612.9	3431.8	3316.4	3300.1
67.5°	3741.6	3749.4	3829.9	4040.7	4261.1	4394.3	4152.4	3850.3	3641.1	3503.4	3489.7
70°	3699.3	3729.7	3824.4	4070.4	4376.9	4566.8	4196.5	3822.1	3546.1	3383.6	3372.1
72.5°	3226.2	3284.5	3410.6	3733.5	4223.6	4485.2	3955.7	3423.3	3110.8	2972.4	2951.7
75°	2197.0	2291.6	2481.9	2947.6	3608.4	3883.4	3330.1	2729.4	2435.5	2244.1	2230.0
77.5°	979.6	1001.1	1242.3	1778.4	2490.1	2788.8	2419.6	1785.5	1340.2	1069.0	1011.8
80°	273.1	276.4	368.8	662.3	1246.3	1638.5	1338.0	695.7	391.1	275.7	259.7
82.5°	86.8	94.2	115.0	171.8	418.9	747.7	430.0	185.5	132.1	105.4	95.0
85°	42.3	41.9	58.3	69.8	106.9	165.5	113.9	86.1	75.3	50.1	45.3
87.5°	17.8	18.2	27.1	24.5	31.2	26.7	36.7	38.6	40.4	22.3	19.3
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)