

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: P316183

Luminaire Tested: **GAN-SA9D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316183
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-SA9D-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73063 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

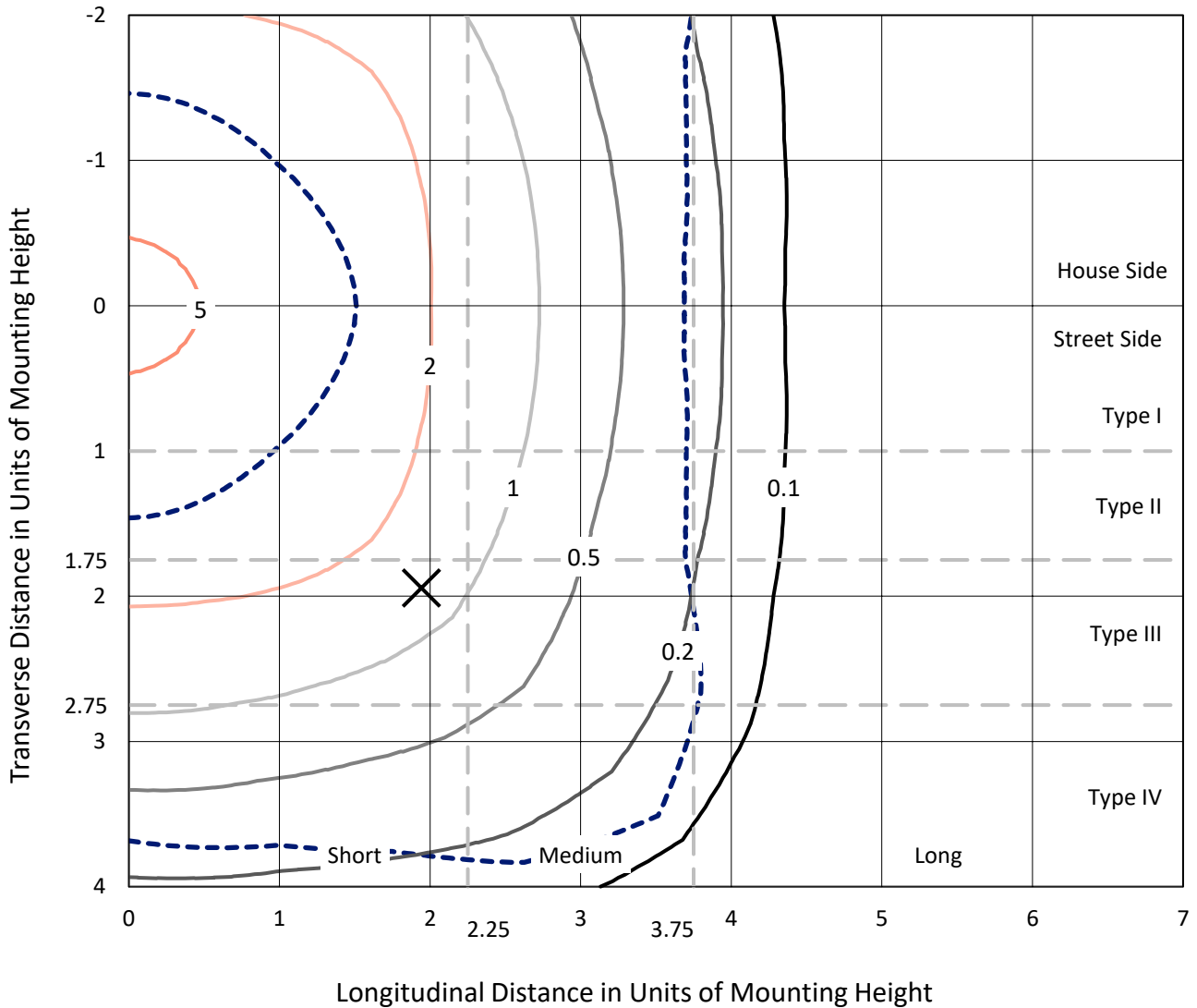
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

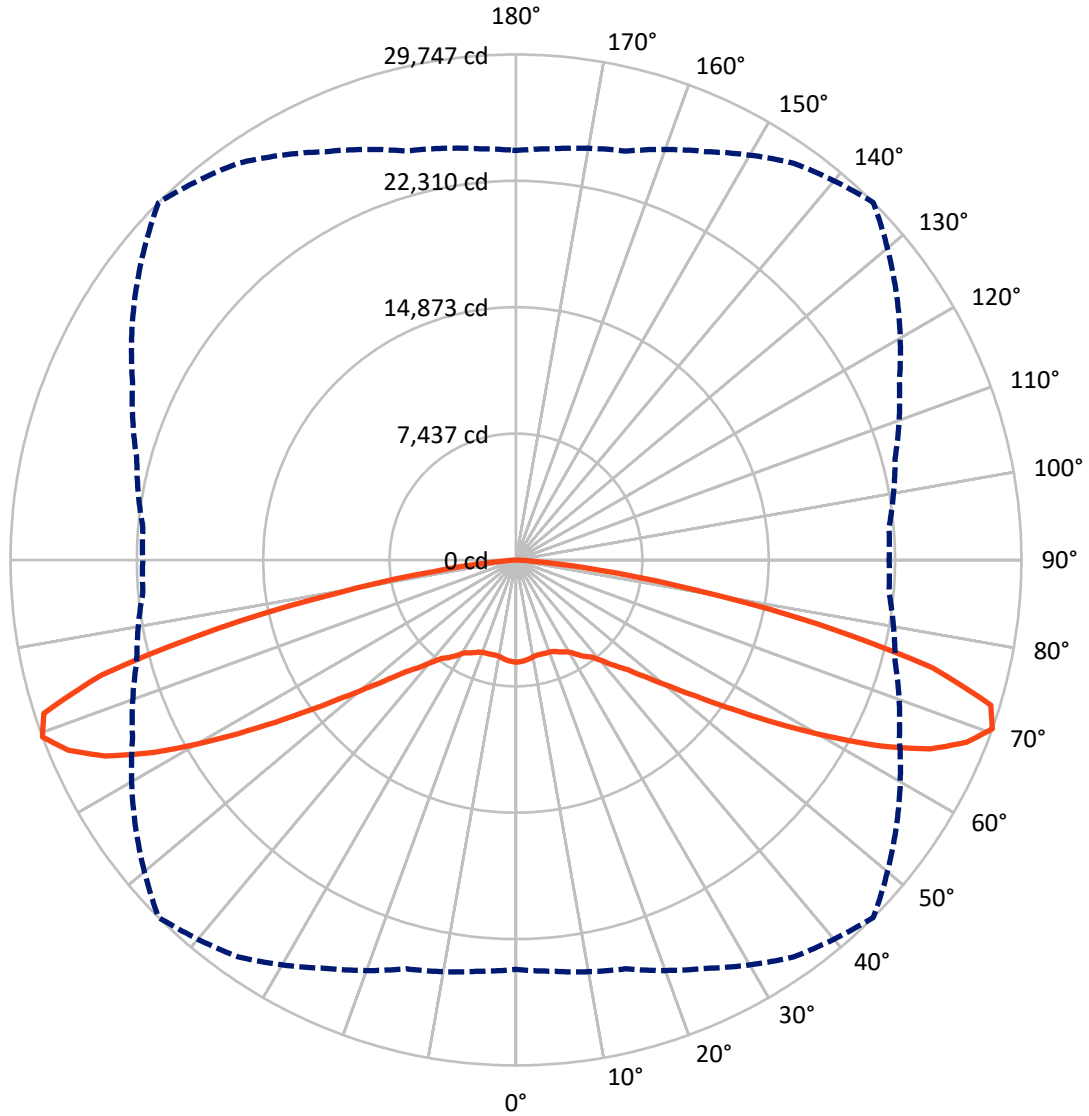
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 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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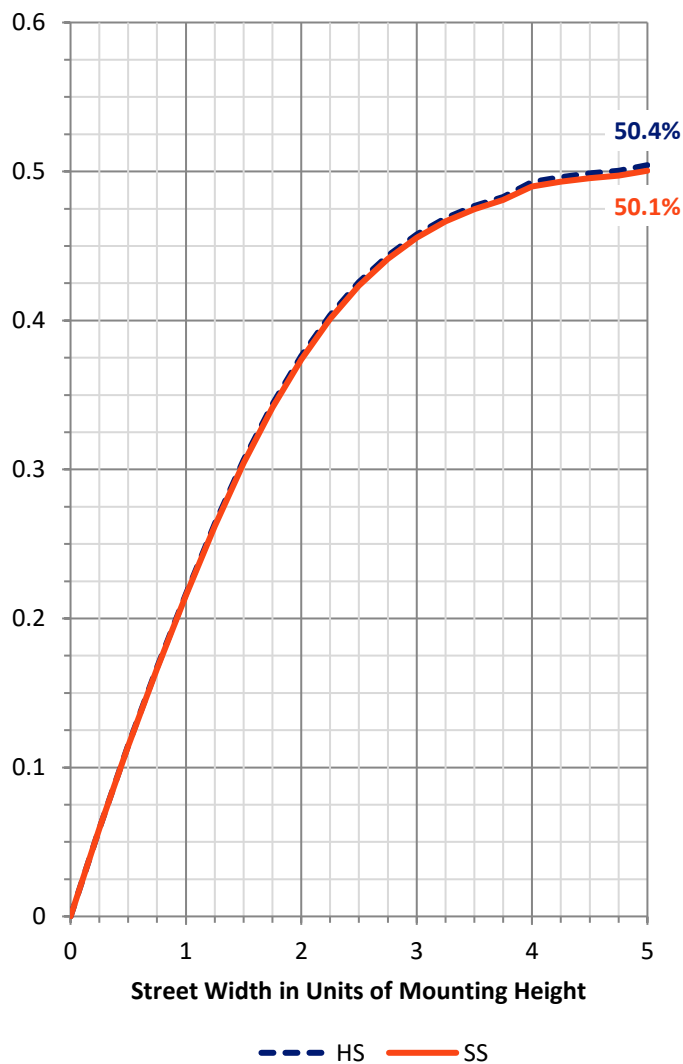
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36531.5	0.0	36531.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36531.5	0.0	36531.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	73063.0	0.0	73063.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.2	0.8
10°-20°	1639.3	2.2
20°-30°	2795.0	3.8
30°-40°	4367.3	6.0
40°-50°	7401.6	10.1
50°-60°	13497.4	18.5
60°-70°	23236.7	31.8
70°-80°	18213.8	24.9
80°-90°	1350.5	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°	73063.0	100.0
0°-180°	73063.0	100.0

Coefficient of Utilization

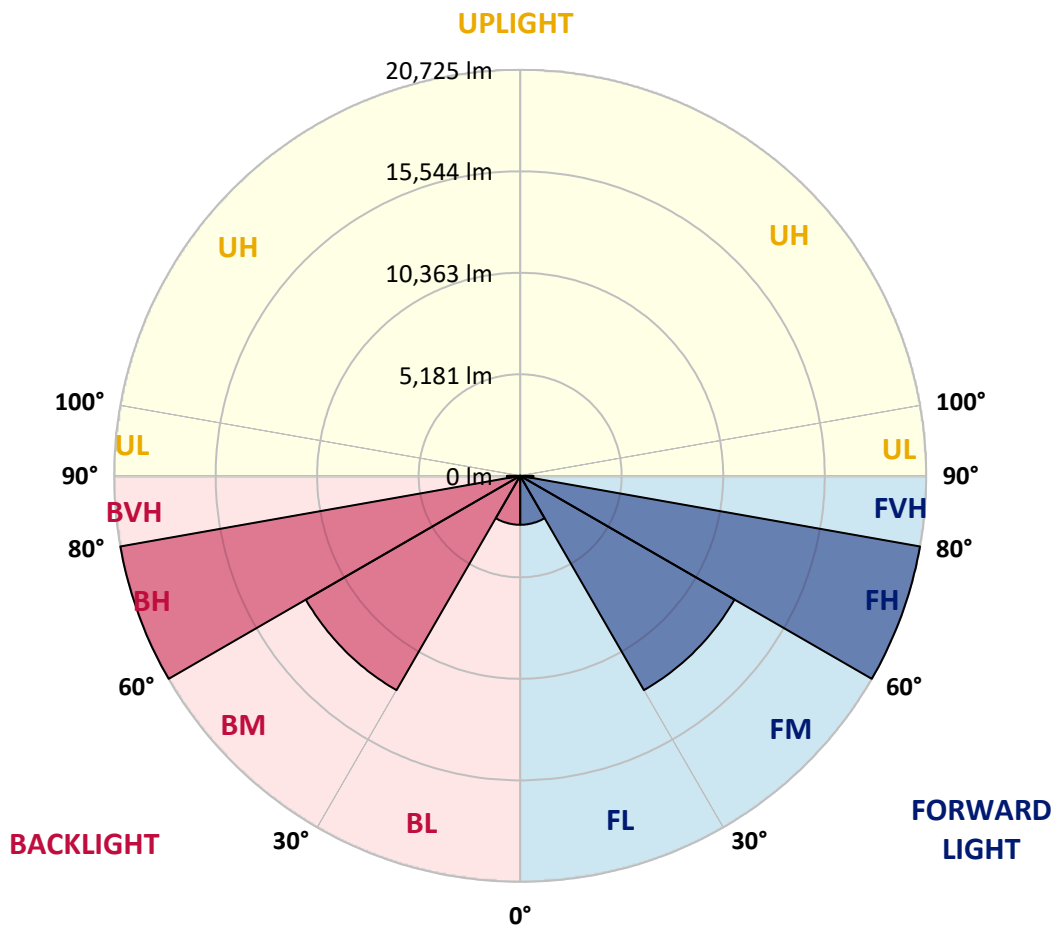


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2497.8	3.4			
FM (30°-60°)	12633.2	17.3			
FH (60°-80°)	20725.3	28.4			G5
FVH (80°-90°)	675.3	0.9			G4/750
BL (0°-30°)	2497.8	3.4	B3/2500		
BM (30°-60°)	12633.2	17.3	B5		
BH (60°-80°)	20725.3	28.4	B5		G5
BVH (80°-90°)	675.3	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6013.1	6013.1	6013.1	6013.1	6013.1	6013.1	6013.1	6013.1	6013.1	6013.1	6013.1
2.5°	5986.5	5993.8	5986.5	5991.3	5979.3	5984.1	5984.1	5984.1	5981.7	5984.1	5979.3
5°	5933.3	5938.2	5928.5	5933.3	5926.1	5933.3	5935.8	5933.3	5928.5	5930.9	5921.3
7.5°	5853.6	5858.4	5851.2	5858.4	5848.7	5860.8	5858.4	5851.2	5843.9	5843.9	5834.2
10°	5810.1	5812.5	5793.2	5785.9	5764.2	5769.0	5776.2	5783.5	5790.7	5805.2	5802.8
12.5°	5812.5	5812.5	5783.5	5752.1	5720.7	5727.9	5740.0	5766.6	5795.6	5822.2	5824.6
15°	5836.7	5834.2	5790.7	5740.0	5718.2	5740.0	5747.2	5764.2	5810.1	5856.0	5858.4
17.5°	5853.6	5853.6	5785.9	5727.9	5725.5	5759.3	5756.9	5764.2	5814.9	5882.6	5885.0
20°	5885.0	5885.0	5798.0	5735.2	5735.2	5771.4	5773.8	5785.9	5836.7	5911.6	5923.7
22.5°	5955.1	5957.5	5865.7	5814.9	5819.7	5841.5	5848.7	5868.1	5914.0	5996.2	6010.7
25°	6054.2	6059.0	5964.8	5935.8	5952.7	5993.8	5988.9	6003.4	6054.2	6133.9	6148.4
27.5°	6191.9	6179.9	6092.9	6080.8	6097.7	6126.7	6124.3	6126.7	6167.8	6240.3	6257.2
30°	6370.8	6366.0	6303.1	6310.4	6303.1	6293.4	6295.9	6315.2	6337.0	6395.0	6411.9
32.5°	6544.8	6549.6	6511.0	6547.2	6600.4	6636.6	6581.1	6527.9	6503.7	6535.1	6549.6
35°	6859.0	6871.1	6810.7	6786.5	6859.0	6965.3	6808.2	6721.2	6769.6	6810.7	6822.7
37.5°	7393.1	7400.4	7298.9	7202.2	7149.0	7250.5	7093.4	7100.7	7269.9	7347.2	7344.8
40°	8002.2	8004.6	7936.9	7852.3	7760.5	7784.6	7721.8	7741.1	7852.3	7922.4	7941.7
42.5°	8727.2	8720.0	8613.6	8492.8	8466.2	8490.4	8384.0	8369.5	8497.6	8623.3	8625.7
45°	9667.4	9650.4	9512.7	9379.8	9251.7	9198.5	9171.9	9242.0	9418.4	9534.4	9536.8
47.5°	10680.0	10634.1	10561.6	10455.2	10344.1	10290.9	10247.4	10281.2	10409.3	10455.2	10460.1
50°	11721.7	11731.3	11745.8	11704.8	11663.7	11646.7	11533.2	11467.9	11506.6	11422.0	11409.9
52.5°	12956.7	12976.0	13116.2	13234.6	13304.7	13341.0	13125.9	12901.1	12775.4	12611.1	12562.7
55°	14414.0	14445.4	14650.9	14979.6	15317.9	15496.8	15107.7	14687.1	14298.0	13991.1	13892.0
57.5°	16038.1	16093.7	16376.5	17007.3	17700.9	18123.9	17466.5	16702.8	15951.1	15508.9	15431.5
60°	17942.6	17995.8	18387.3	19291.2	20415.0	21050.7	20054.9	18805.4	17870.1	17447.2	17304.6
62.5°	20209.6	20214.4	20695.4	21751.5	23235.5	24120.1	22771.5	21101.4	20137.1	19627.1	19489.4
65°	22648.2	22660.3	23158.1	24298.9	25833.6	26795.5	25272.9	23532.8	22353.3	21601.7	21495.4
67.5°	24371.4	24422.2	24946.6	26319.4	27755.0	28622.6	27046.8	25079.5	23716.4	22819.8	22730.4
70°	24095.9	24294.1	24910.4	26512.7	28509.0	29746.5	27334.4	24895.9	23097.7	22039.2	21964.2
72.5°	21014.4	21393.9	22215.6	24318.2	27510.9	29214.7	25765.9	22297.8	20262.8	19361.3	19226.0
75°	14310.1	14926.4	16166.2	19199.4	23503.8	25294.6	21691.1	17778.3	15864.1	14617.0	14525.2
77.5°	6380.5	6520.6	8091.6	11583.9	16219.4	18165.0	15760.2	11629.8	8729.6	6962.9	6590.7
80°	1778.8	1800.5	2402.3	4314.1	8118.2	10672.8	8715.1	4531.6	2547.3	1795.7	1691.8
82.5°	565.5	613.9	749.2	1119.0	2728.6	4869.9	2801.1	1208.4	860.4	686.4	618.7
85°	275.5	273.1	379.4	454.4	696.0	1077.9	742.0	560.7	490.6	326.3	294.9
87.5°	116.0	118.4	176.4	159.5	203.0	174.0	239.3	251.4	263.4	145.0	125.7
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)