

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: P316783

Luminaire Tested: **GAN-SA9D-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316783
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65161 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

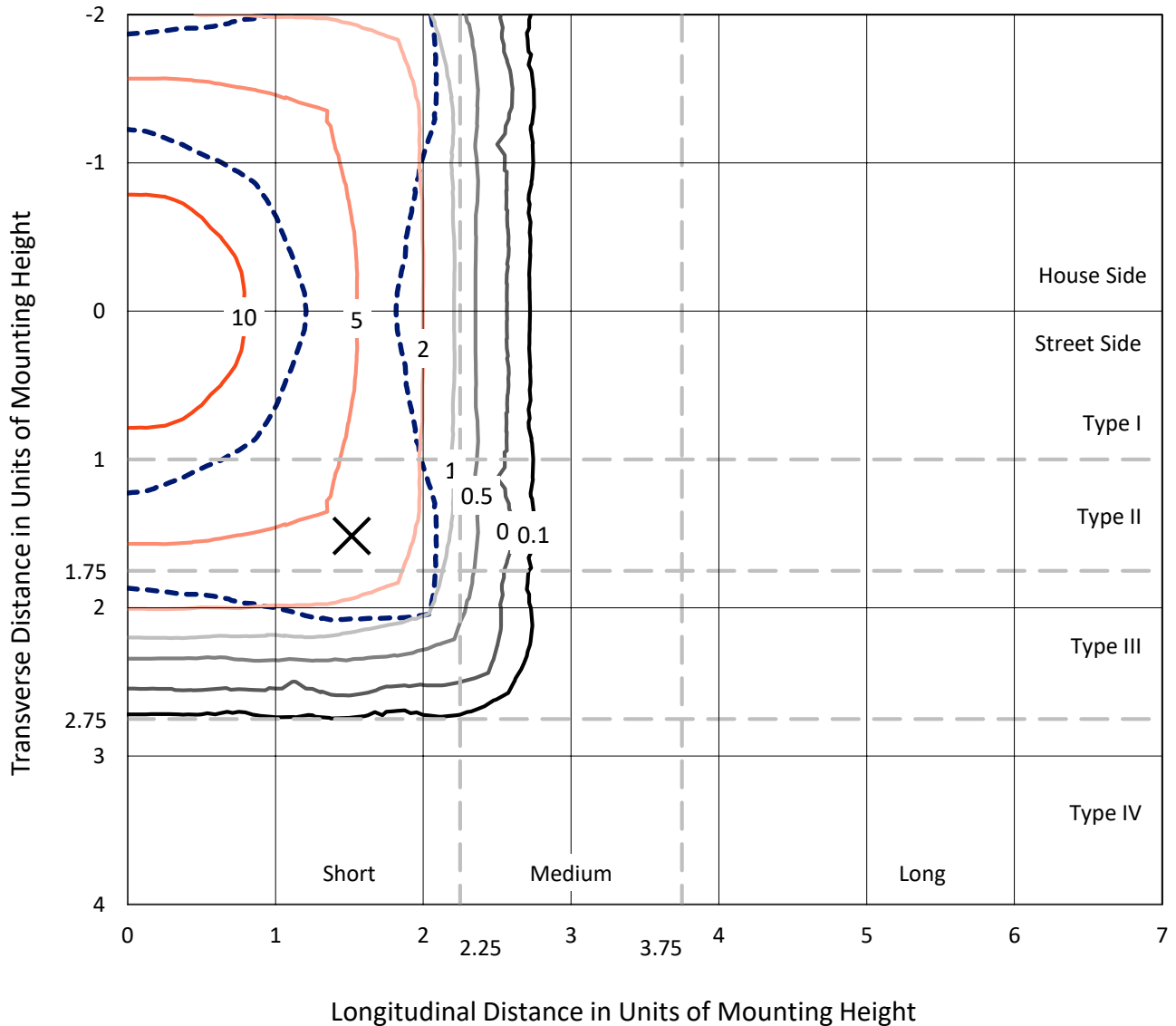
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

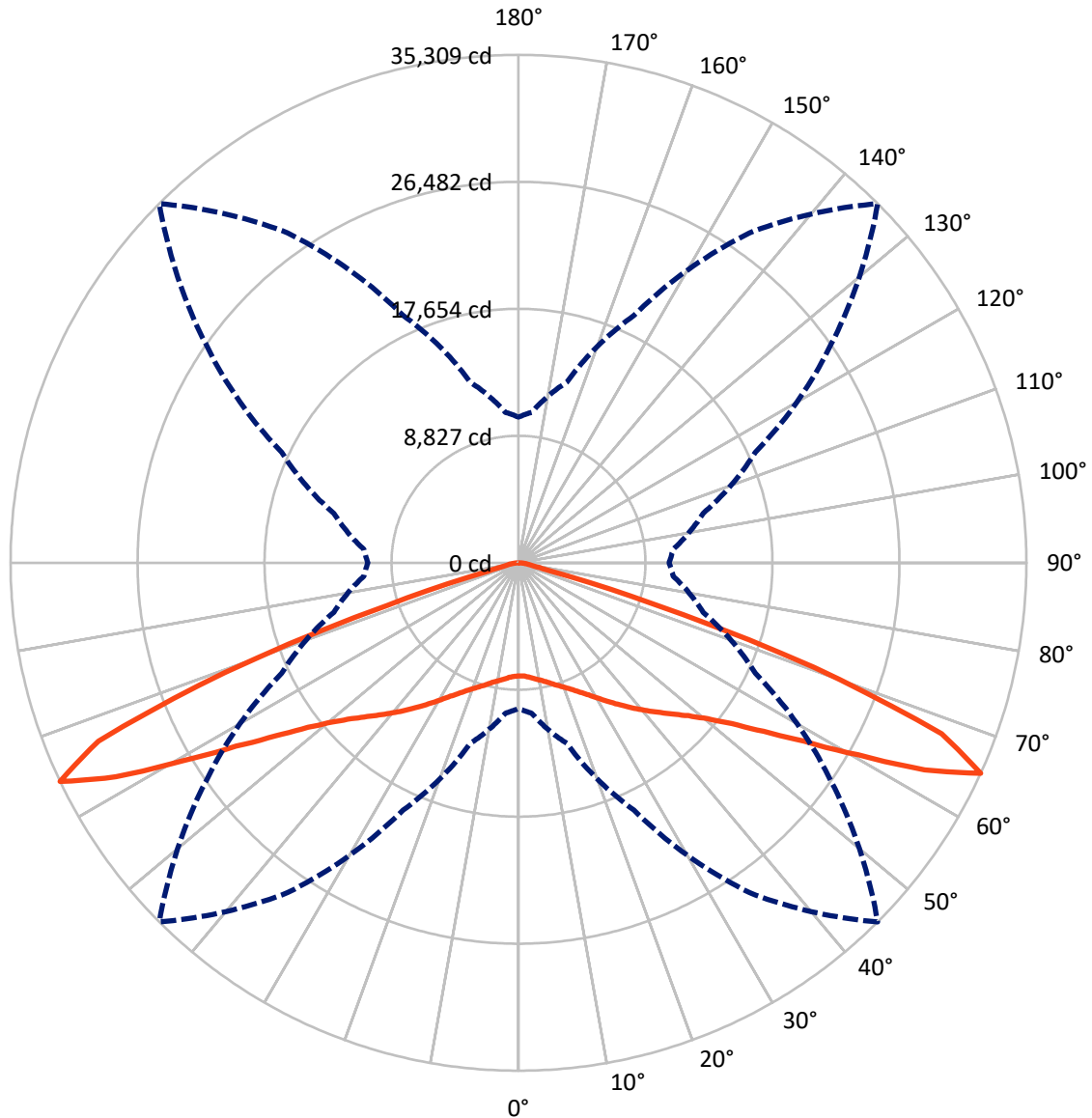
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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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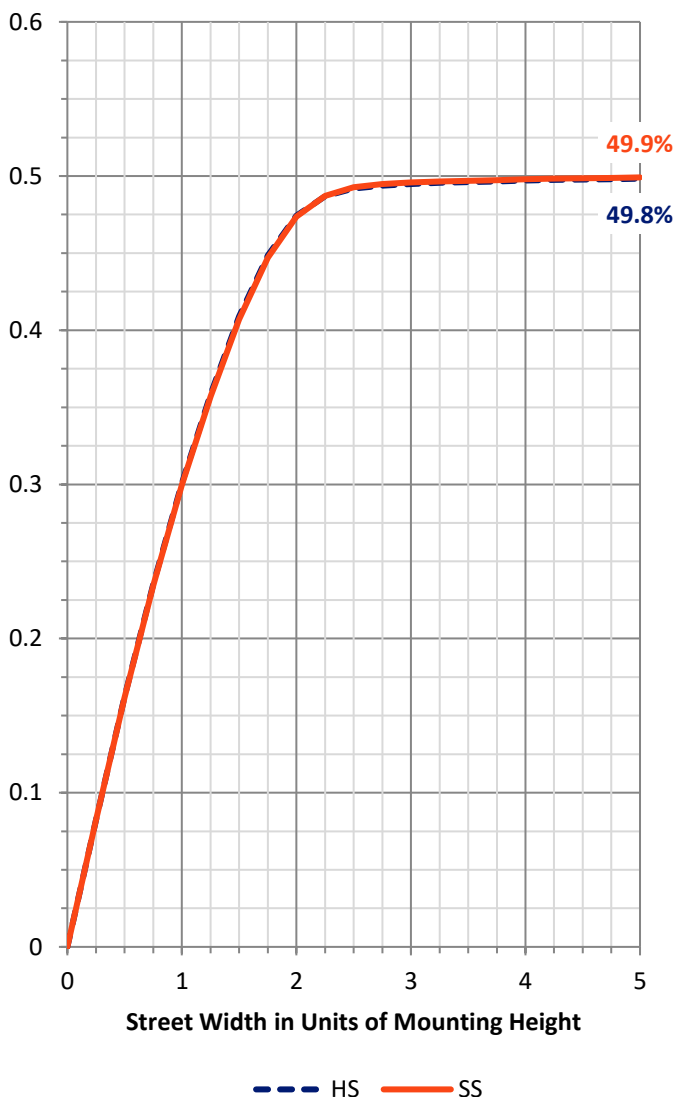
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32580.5	0.0	32580.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32580.5	0.0	32580.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	65161.0	0.0	65161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.0	1.2
10°-20°	2481.6	3.8
20°-30°	4655.9	7.1
30°-40°	7700.0	11.8
40°-50°	11926.3	18.3
50°-60°	18291.5	28.1
60°-70°	17068.1	26.2
70°-80°	1986.5	3.0
80°-90°	279.1	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°	65161.0	100.0
0°-180°	65161.0	100.0

Coefficient of Utilization

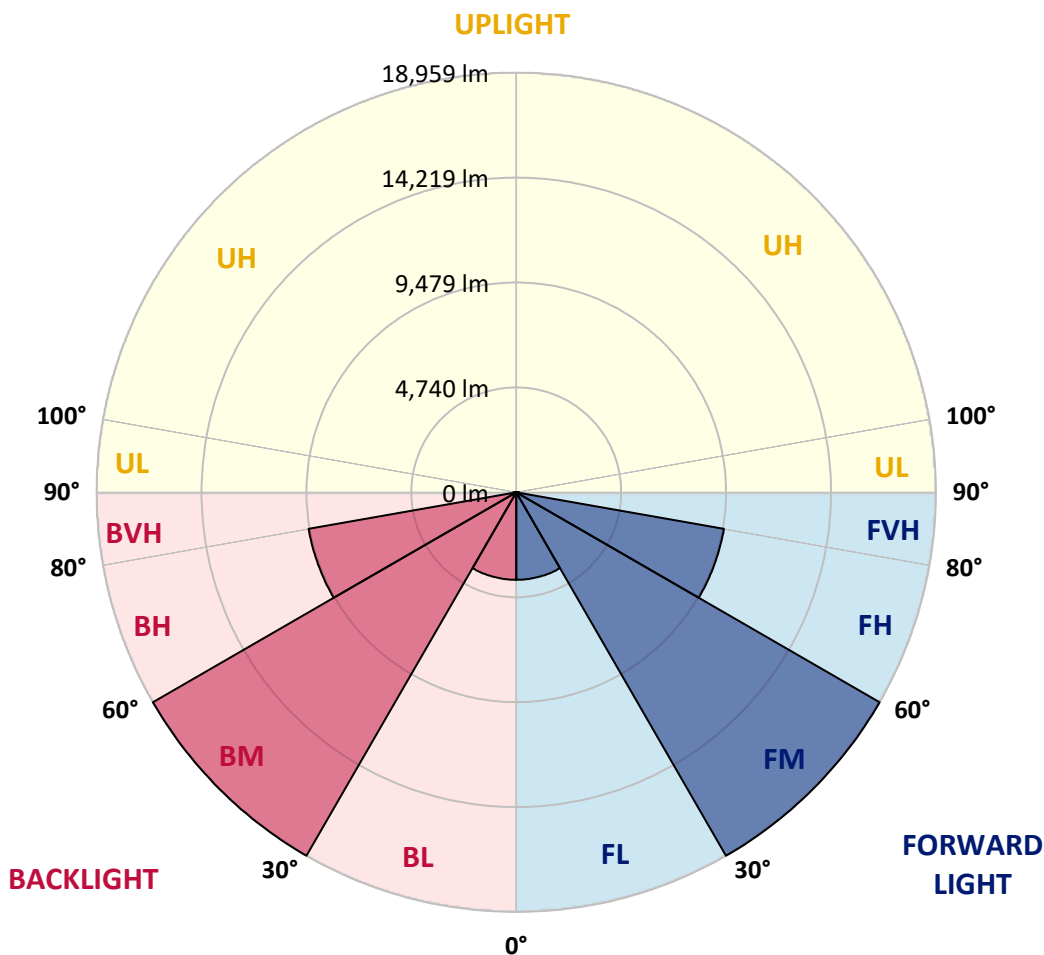


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3954.8	6.1			
FM (30°-60°)	18958.9	29.1			
FH (60°-80°)	9527.3	14.6			G4/12000
FVH (80°-90°)	139.6	0.2			G2/225
BL (0°-30°)	3954.8	6.1	B4/5000		
BM (30°-60°)	18958.9	29.1	B5		
BH (60°-80°)	9527.3	14.6	B5		G4/12000
BVH (80°-90°)	139.6	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7869.0	7869.0	7869.0	7869.0	7869.0	7869.0	7869.0	7869.0	7869.0	7869.0	7869.0
2.5°	7895.0	7890.6	7895.0	7897.1	7884.2	7890.6	7888.5	7899.3	7903.6	7899.3	7899.3
5°	7985.8	7979.3	7988.0	7998.8	7981.5	7985.8	7979.3	7992.3	7996.6	7988.0	7994.5
7.5°	8111.3	8113.4	8122.1	8141.6	8130.7	8139.4	8126.4	8128.6	8126.4	8113.4	8115.6
10°	8247.5	8249.7	8264.8	8290.8	8295.1	8295.1	8286.5	8280.0	8271.3	8262.7	8264.8
12.5°	8411.9	8422.7	8433.6	8466.0	8466.0	8483.3	8479.0	8461.7	8446.5	8433.6	8433.6
15°	8634.7	8632.6	8645.5	8678.0	8693.1	8721.2	8721.2	8697.4	8678.0	8665.0	8660.7
17.5°	8868.3	8874.8	8883.5	8922.4	8946.2	8978.6	8983.0	8963.5	8950.5	8933.2	8922.4
20°	9140.9	9151.7	9186.3	9201.4	9223.1	9253.3	9264.2	9259.8	9246.9	9238.2	9240.4
22.5°	9458.8	9486.9	9508.6	9530.2	9556.2	9577.8	9588.6	9603.7	9590.8	9584.3	9580.0
25°	9843.8	9863.3	9906.6	9945.5	9962.8	9969.3	9982.3	10003.9	10001.7	9986.6	9986.6
27.5°	10280.8	10317.5	10371.6	10427.9	10427.9	10406.2	10449.5	10486.3	10473.3	10453.8	10427.9
30°	10810.7	10845.3	10908.0	10985.9	10947.0	10931.8	10990.2	11057.3	11037.8	11005.4	11001.0
32.5°	11381.7	11414.2	11496.4	11580.7	11531.0	11509.4	11572.1	11669.4	11634.8	11569.9	11531.0
35°	12000.4	12032.8	12149.6	12251.3	12166.9	12130.1	12182.0	12288.0	12227.5	12106.3	12076.1
37.5°	12673.1	12690.4	12841.8	12945.6	12887.2	12789.9	12854.7	12932.6	12880.7	12733.6	12675.2
40°	13371.7	13434.4	13609.6	13730.8	13629.1	13475.5	13583.7	13691.8	13614.0	13425.8	13326.3
42.5°	14187.2	14234.7	14468.3	14576.5	14412.1	14195.8	14342.9	14490.0	14412.1	14230.4	14143.9
45°	15035.1	15108.6	15387.6	15495.8	15257.8	14983.1	15162.7	15420.1	15413.6	15151.9	15061.0
47.5°	15958.7	16032.2	16365.3	16508.1	16250.7	15883.0	16136.0	16499.4	16473.5	16185.8	16112.2
50°	17025.0	17102.9	17518.2	17697.7	17457.6	17029.3	17410.0	17730.2	17682.6	17327.8	17334.3
52.5°	18363.9	18359.6	18876.6	19188.0	18941.4	18562.9	18913.3	19224.8	19028.0	18537.0	18521.8
55°	19536.3	19607.6	20247.9	20838.4	20823.3	20678.3	20818.9	20831.9	20269.5	19616.3	19536.3
57.5°	20306.3	20442.6	21344.5	22413.1	23213.4	23405.9	23133.3	22307.1	20989.8	19945.1	19817.5
60°	19832.6	20040.3	21457.0	23635.2	25992.8	27124.1	25586.2	23023.0	20429.6	18973.9	18800.8
62.5°	16635.7	16986.1	19060.4	23044.7	28385.1	31692.4	27364.2	21874.5	18201.7	16196.6	15900.3
65°	10131.5	10501.4	13001.8	18967.4	27998.0	35308.9	26553.1	18156.3	13285.2	10791.2	10471.1
67.5°	3376.5	3484.6	4957.6	10484.1	22004.3	31724.8	22041.0	10869.1	5781.7	3832.8	3720.4
70°	1321.6	1332.4	1572.5	3039.0	10391.1	21790.1	11466.1	3093.1	1643.9	1300.0	1328.1
72.5°	971.2	975.5	1042.6	1269.7	2708.1	9599.4	2805.4	1276.2	1014.4	910.6	910.6
75°	780.8	780.8	828.4	925.8	1213.4	2201.9	1230.8	915.0	793.8	726.8	718.1
77.5°	616.5	629.4	666.2	728.9	821.9	1059.9	852.2	724.6	640.2	577.5	564.5
80°	458.6	471.5	532.1	562.4	590.5	735.4	629.4	566.7	506.1	432.6	419.6
82.5°	300.7	313.6	389.3	406.6	400.2	480.2	423.9	417.5	372.0	279.0	266.0
85°	196.8	201.2	259.6	270.4	248.7	218.5	270.4	285.5	259.6	181.7	175.2
87.5°	93.0	93.0	131.9	123.3	112.5	90.8	123.3	144.9	147.1	88.7	86.5
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)