

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: P316784

Luminaire Tested: **GAN-SA0D-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316784
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-SA0D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 72145 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

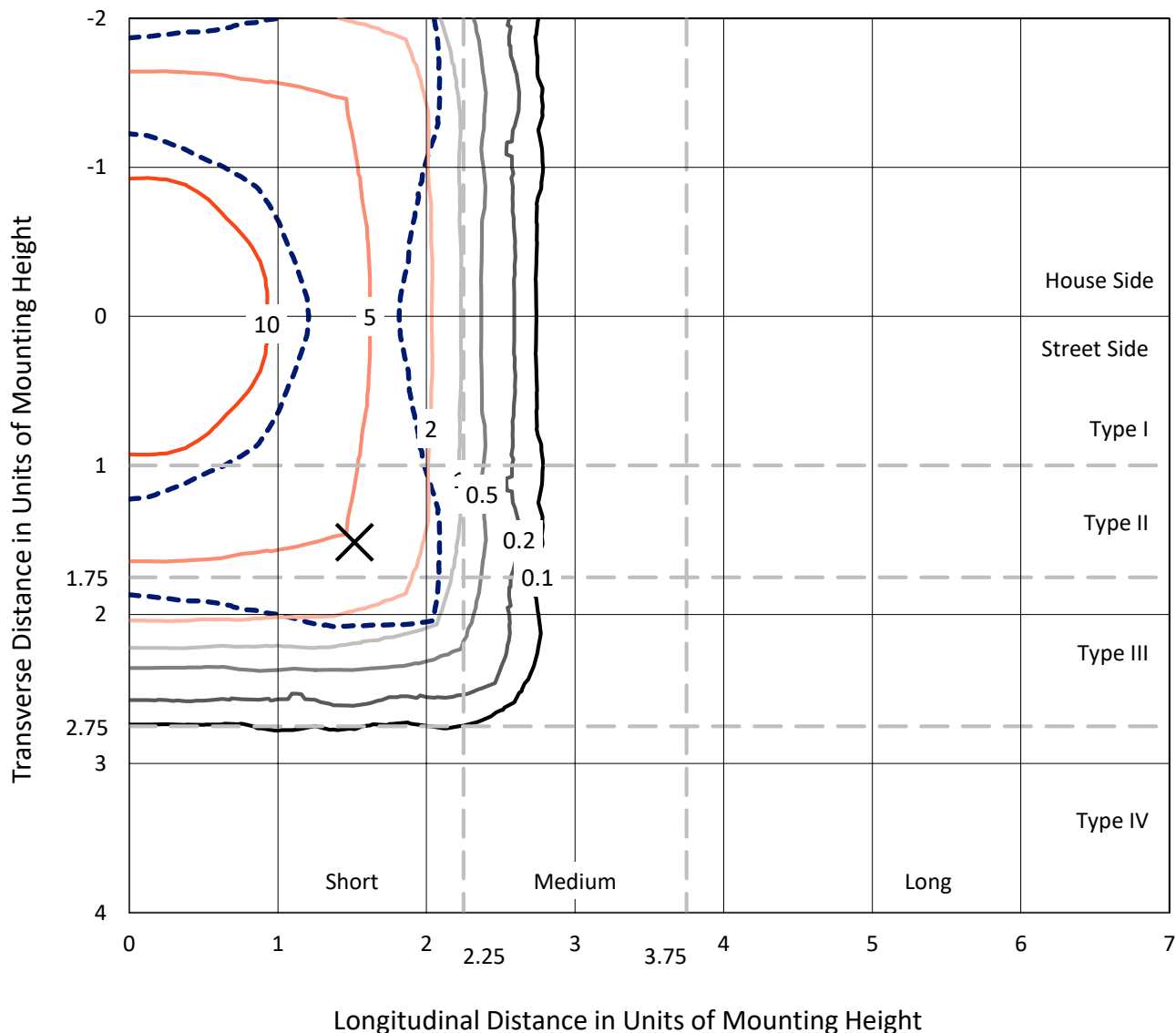
Input Watts (W): 640
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

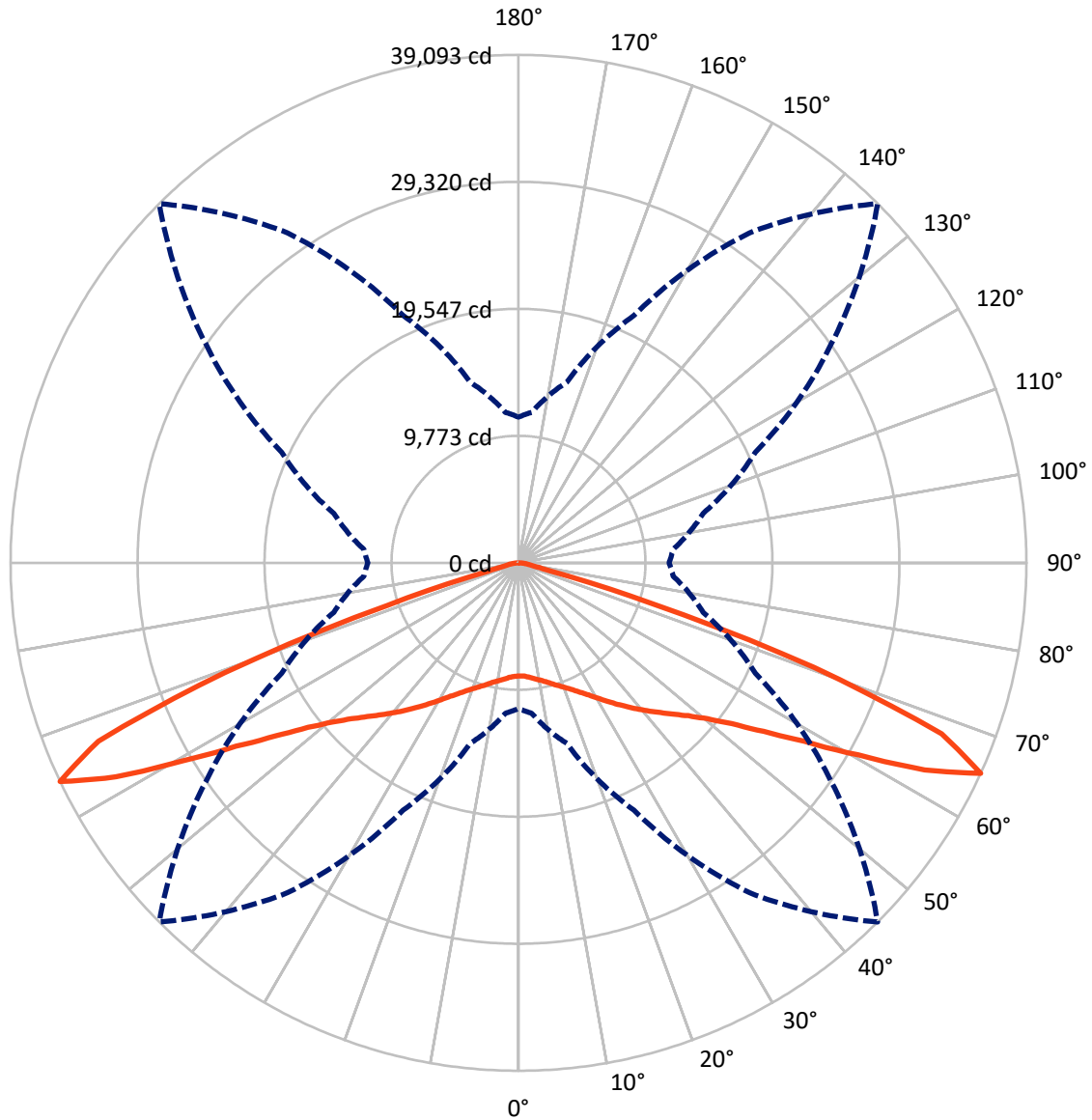
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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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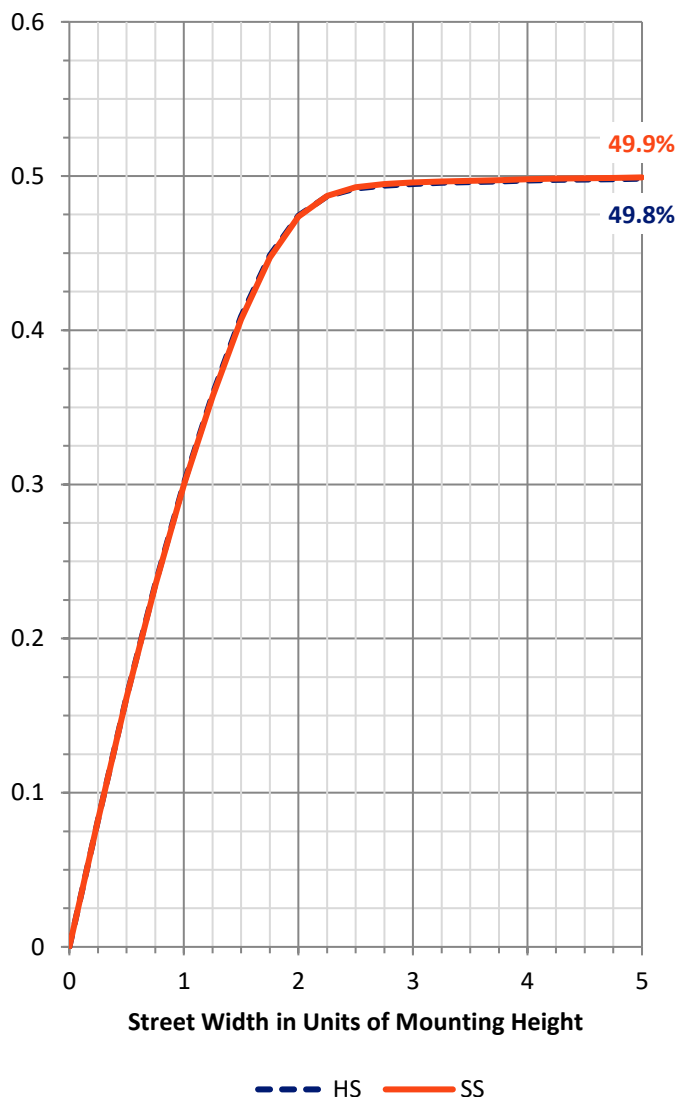
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36072.5	0.0	36072.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36072.5	0.0	36072.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	72145.0	0.0	72145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.8	1.2
10°-20°	2747.6	3.8
20°-30°	5155.0	7.1
30°-40°	8525.3	11.8
40°-50°	13204.5	18.3
50°-60°	20252.0	28.1
60°-70°	18897.4	26.2
70°-80°	2199.4	3.0
80°-90°	309.1	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°	72145.0	100.0
0°-180°	72145.0	100.0

Coefficient of Utilization

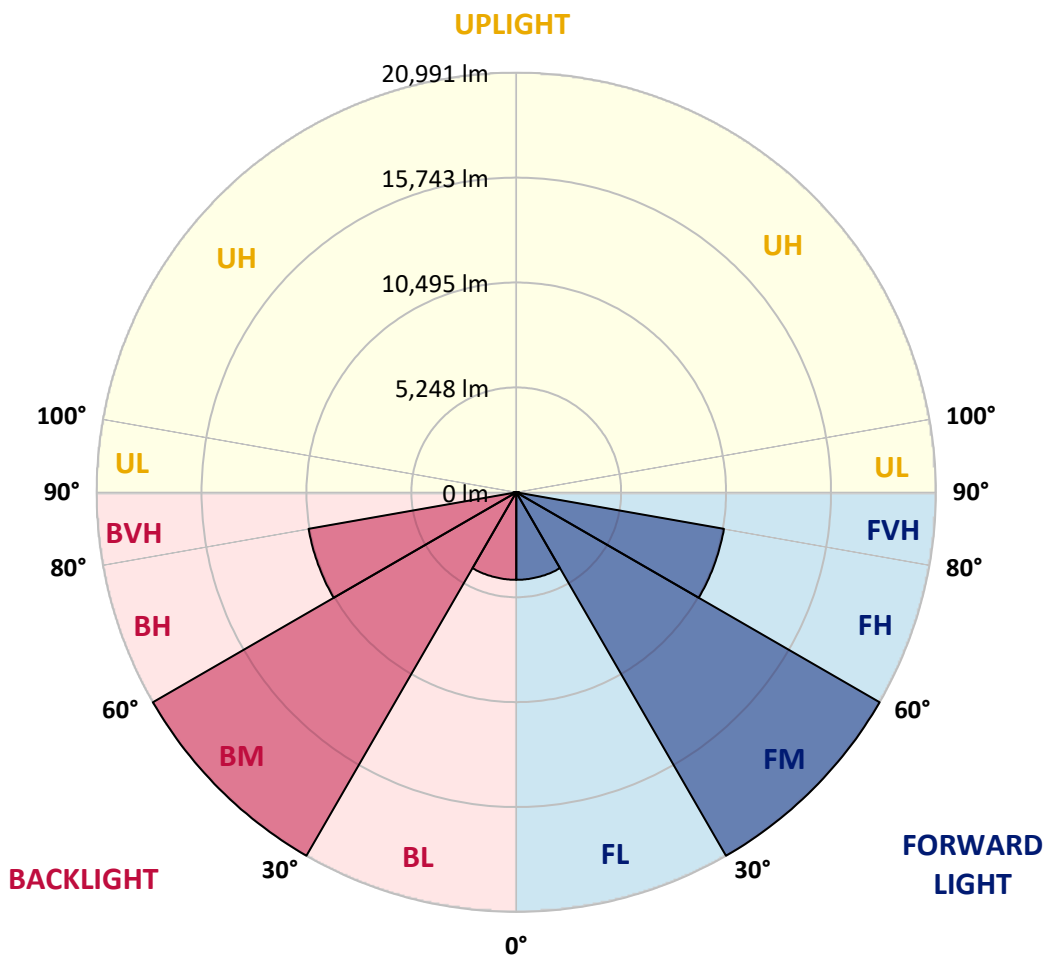


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4378.7	6.1			
FM (30°-60°)	20990.9	29.1			
FH (60°-80°)	10548.4	14.6			G4/12000
FVH (80°-90°)	154.5	0.2			G2/225
BL (0°-30°)	4378.7	6.1	B4/5000		
BM (30°-60°)	20990.9	29.1	B5		
BH (60°-80°)	10548.4	14.6	B5		G4/12000
BVH (80°-90°)	154.5	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°	8712.4	8712.4	8712.4	8712.4	8712.4	8712.4	8712.4	8712.4	8712.4	8712.4	8712.4
2.5°	8741.2	8736.4	8741.2	8743.6	8729.2	8736.4	8734.0	8746.0	8750.7	8746.0	8746.0
5°	8841.7	8834.6	8844.1	8856.1	8837.0	8841.7	8834.6	8848.9	8853.7	8844.1	8851.3
7.5°	8980.6	8983.0	8992.6	9014.2	9002.2	9011.8	8997.4	8999.8	8997.4	8983.0	8985.4
10°	9131.5	9133.9	9150.7	9179.4	9184.2	9184.2	9174.6	9167.4	9157.9	9148.3	9150.7
12.5°	9313.5	9325.5	9337.5	9373.4	9373.4	9392.6	9387.8	9368.6	9351.8	9337.5	9337.5
15°	9560.2	9557.8	9572.2	9608.1	9624.9	9656.0	9656.0	9629.6	9608.1	9593.7	9588.9
17.5°	9818.8	9826.0	9835.6	9878.7	9905.1	9941.0	9945.8	9924.2	9909.8	9890.7	9878.7
20°	10120.6	10132.6	10170.9	10187.6	10211.6	10245.1	10257.1	10252.3	10237.9	10228.4	10230.7
22.5°	10472.6	10503.8	10527.7	10551.7	10580.4	10604.3	10616.3	10633.1	10618.7	10611.5	10606.7
25°	10898.9	10920.5	10968.4	11011.5	11030.6	11037.8	11052.2	11076.1	11073.7	11057.0	11057.0
27.5°	11382.7	11423.4	11483.3	11545.5	11545.5	11521.6	11569.5	11610.2	11595.8	11574.3	11545.5
30°	11969.4	12007.7	12077.2	12163.4	12120.3	12103.5	12168.2	12242.4	12220.9	12184.9	12180.1
32.5°	12601.6	12637.6	12728.6	12822.0	12766.9	12742.9	12812.4	12920.2	12881.8	12810.0	12766.9
35°	13286.6	13322.5	13451.8	13564.4	13471.0	13430.3	13487.7	13605.1	13538.0	13403.9	13370.4
37.5°	14031.4	14050.5	14218.2	14333.1	14268.4	14160.7	14232.5	14318.7	14261.3	14098.4	14033.8
40°	14804.9	14874.3	15068.3	15202.4	15089.9	14919.8	15039.6	15159.3	15073.1	14864.8	14754.6
42.5°	15707.7	15760.4	16019.1	16138.8	15956.8	15717.3	15880.2	16043.0	15956.8	15755.6	15659.8
45°	16646.5	16727.9	17036.9	17156.6	16893.2	16589.0	16787.8	17072.8	17065.6	16775.8	16675.3
47.5°	17669.1	17750.5	18119.3	18277.4	17992.4	17585.3	17865.5	18267.8	18239.1	17920.6	17839.2
50°	18849.8	18936.0	19395.8	19594.6	19328.7	18854.6	19276.1	19630.5	19577.8	19185.1	19192.2
52.5°	20332.2	20327.4	20899.8	21244.6	20971.6	20552.5	20940.5	21285.3	21067.4	20523.8	20507.0
55°	21630.2	21709.2	22418.1	23071.9	23055.1	22894.7	23050.3	23064.7	22442.0	21718.8	21630.2
57.5°	22482.7	22633.6	23632.3	24815.3	25701.4	25914.5	25612.8	24698.0	23239.5	22082.8	21941.5
60°	21958.3	22188.2	23756.8	26168.4	28778.8	30031.3	28328.5	25490.7	22619.2	21007.5	20815.9
62.5°	18418.7	18806.7	21103.3	25514.6	31427.5	35089.2	30297.1	24219.0	20152.6	17932.6	17604.5
65°	11217.4	11626.9	14395.4	21000.3	30998.8	39093.3	29399.0	20102.3	14709.1	11947.8	11593.4
67.5°	3738.3	3858.1	5489.0	11607.8	24362.7	35125.1	24403.4	12034.1	6401.4	4243.7	4119.1
70°	1463.2	1475.2	1741.0	3364.7	11504.8	24125.6	12695.0	3424.6	1820.1	1439.3	1470.4
72.5°	1075.3	1080.1	1154.3	1405.8	2998.3	10628.3	3106.1	1413.0	1123.2	1008.2	1008.2
75°	864.5	864.5	917.2	1025.0	1343.5	2437.9	1362.7	1013.0	878.9	804.7	795.1
77.5°	682.5	696.9	737.6	807.1	910.0	1173.5	943.6	802.3	708.9	639.4	625.1
80°	507.7	522.1	589.1	622.7	653.8	814.2	696.9	627.4	560.4	479.0	464.6
82.5°	332.9	347.3	431.1	450.2	443.0	531.7	469.4	462.2	411.9	308.9	294.6
85°	217.9	222.7	287.4	299.4	275.4	241.9	299.4	316.1	287.4	201.2	194.0
87.5°	103.0	103.0	146.1	136.5	124.5	100.6	136.5	160.5	162.8	98.2	95.8
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)