

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: P316774

Luminaire Tested: **GAN-SA0C-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316774
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-SA0C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65767 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

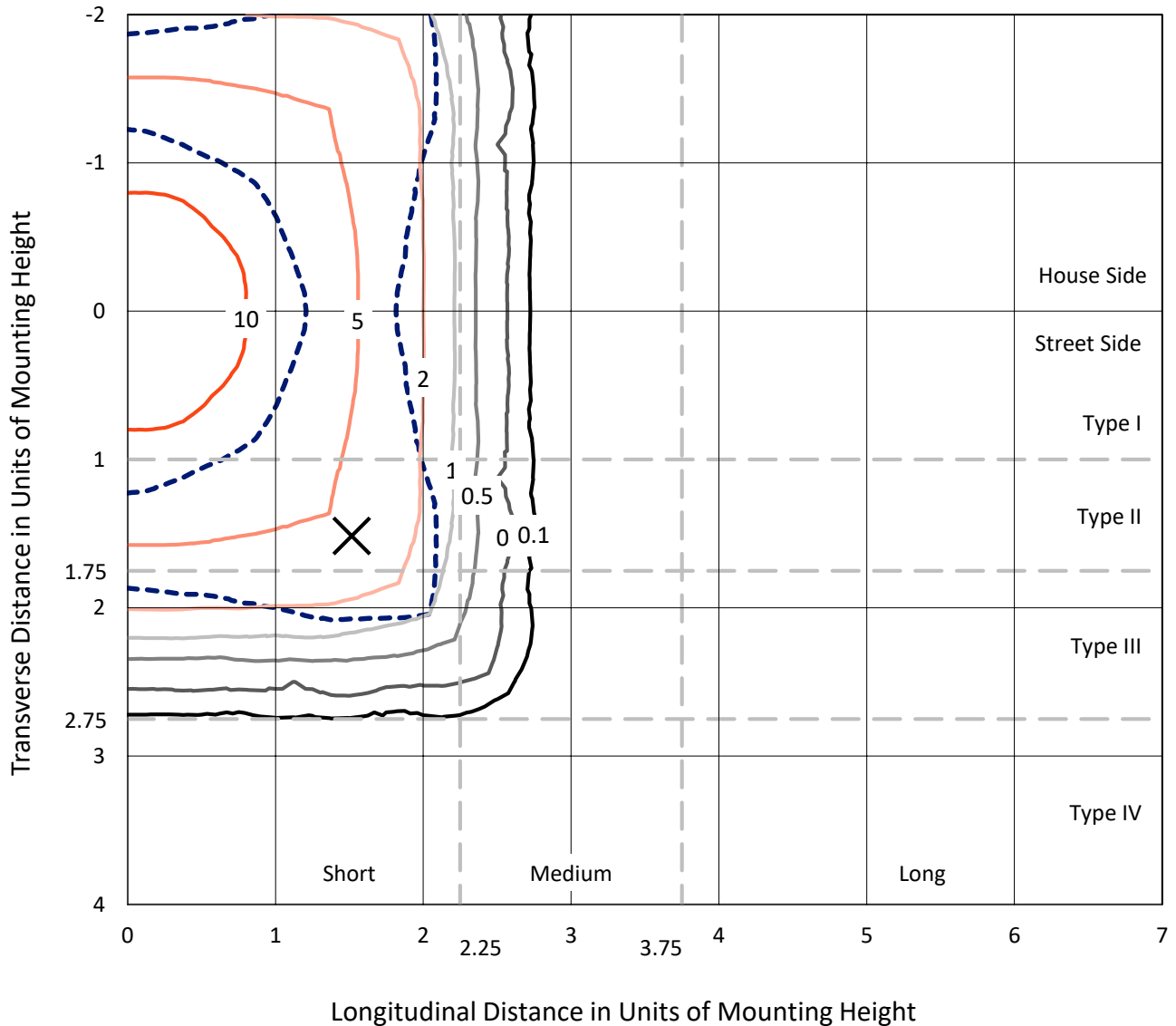
Input Watts (W): 558
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316774
 CATALOG NUMBER: GAN-SA0C-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

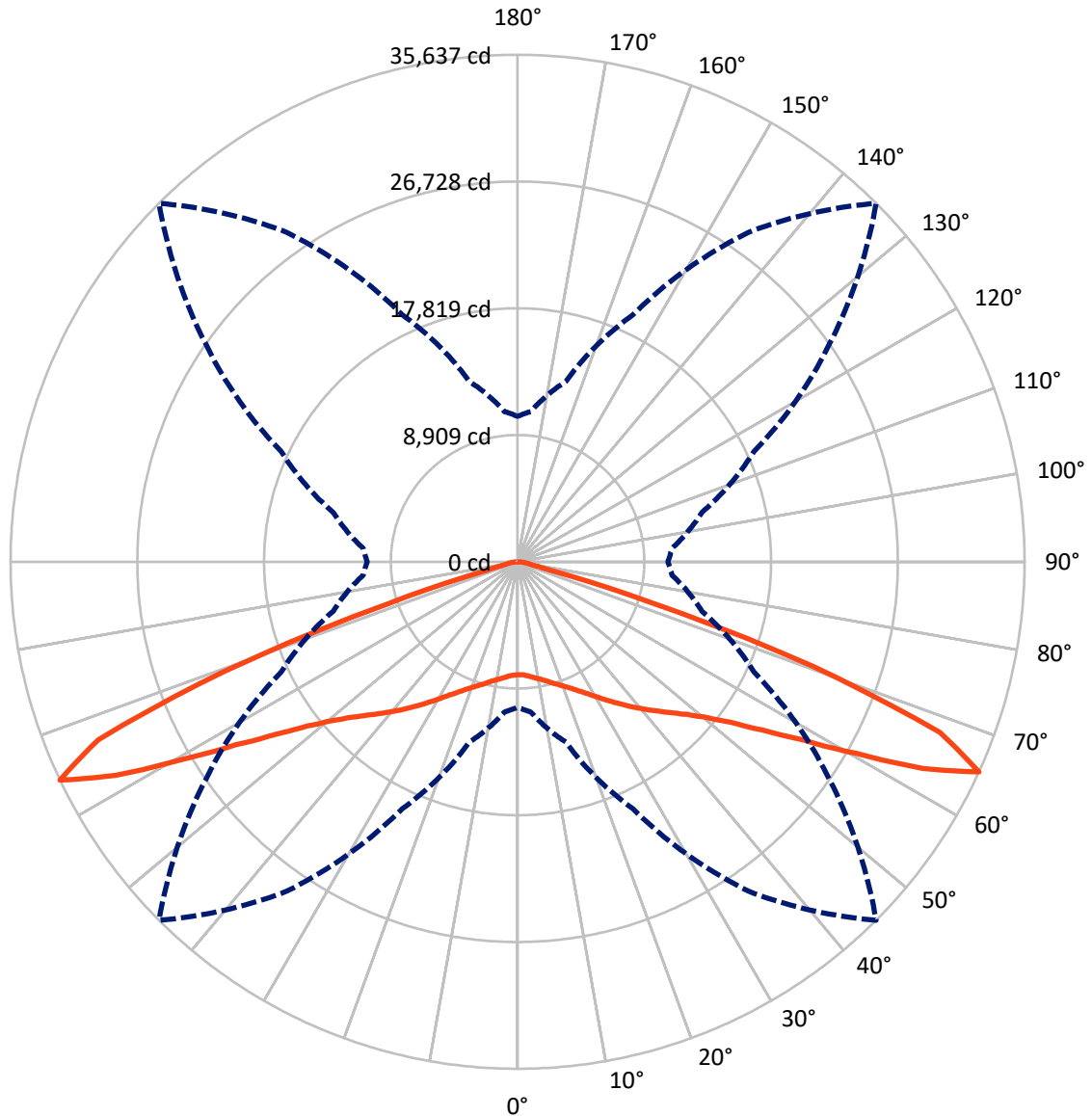
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316774
CATALOG NUMBER: GAN-SA0C-730-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316774
 CATALOG NUMBER: GAN-SA0C-730-U-5NQ

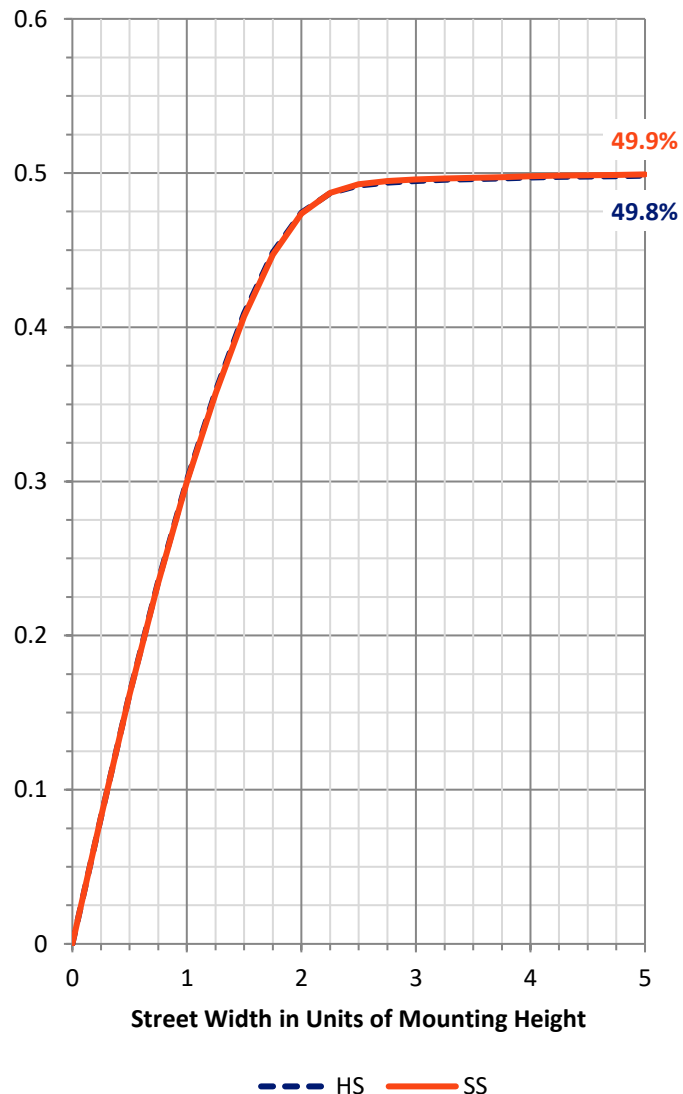
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32883.5	0.0	32883.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32883.5	0.0	32883.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	65767.0	0.0	65767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.2	1.2
10°-20°	2504.7	3.8
20°-30°	4699.2	7.1
30°-40°	7771.6	11.8
40°-50°	12037.2	18.3
50°-60°	18461.6	28.1
60°-70°	17226.8	26.2
70°-80°	2004.9	3.0
80°-90°	281.7	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°	65767.0	100.0
0°-180°	65767.0	100.0

Coefficient of Utilization



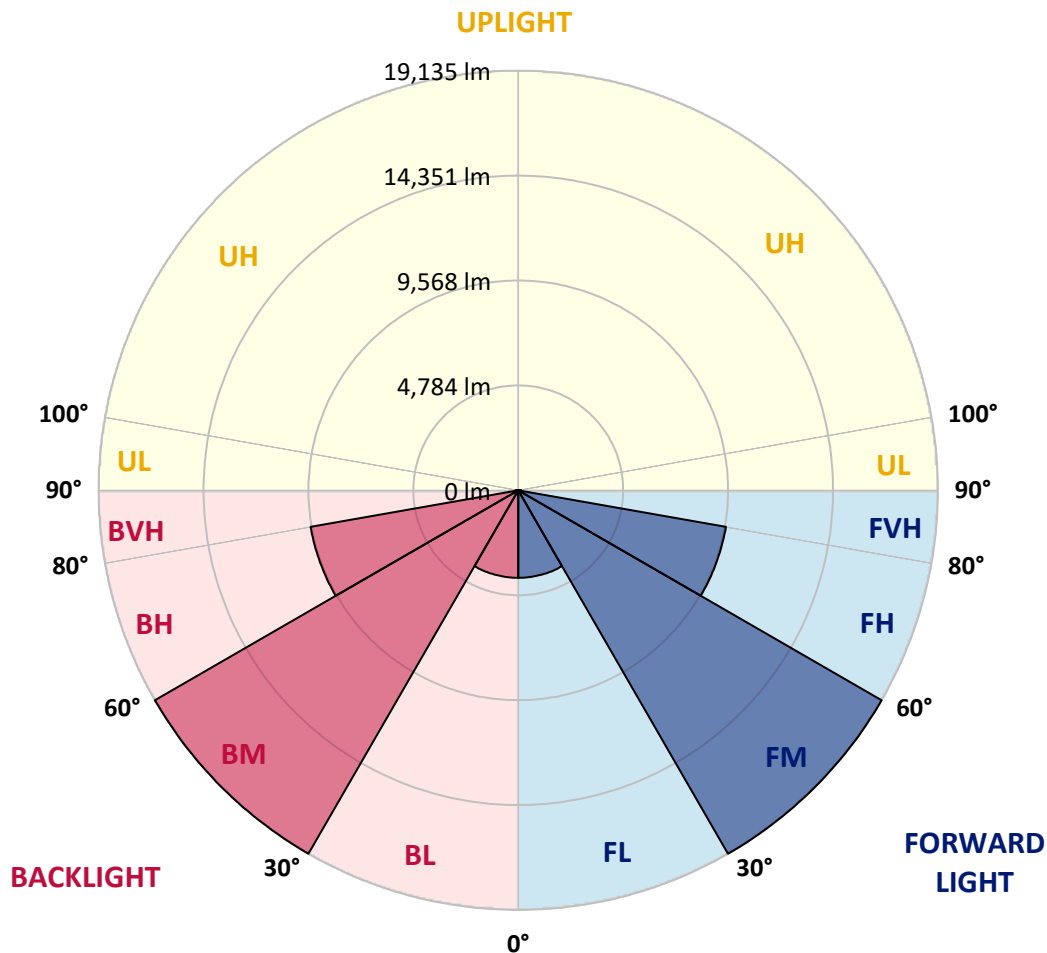
REPORT NUMBER: P316774
 CATALOG NUMBER: GAN-SAOC-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3991.6	6.1			
FM (30°-60°)	19135.2	29.1			
FH (60°-80°)	9615.9	14.6			G4/12000
FVH (80°-90°)	140.9	0.2			G2/225
BL (0°-30°)	3991.6	6.1	B4/5000		
BM (30°-60°)	19135.2	29.1	B5		
BH (60°-80°)	9615.9	14.6	B5		G4/12000
BVH (80°-90°)	140.9	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





REPORT NUMBER: P316774

CATALOG NUMBER: GAN-SAOC-730-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7942.2	7942.2	7942.2	7942.2	7942.2	7942.2	7942.2	7942.2	7942.2	7942.2	7942.2
2.5°	7968.4	7964.0	7968.4	7970.6	7957.5	7964.0	7961.8	7972.8	7977.1	7972.8	7972.8
5°	8060.1	8053.5	8062.3	8073.2	8055.7	8060.1	8053.5	8066.6	8071.0	8062.3	8068.8
7.5°	8186.7	8188.9	8197.6	8217.3	8206.4	8215.1	8202.0	8204.2	8202.0	8188.9	8191.1
10°	8324.2	8326.4	8341.7	8367.9	8372.3	8372.3	8363.5	8357.0	8348.3	8339.5	8341.7
12.5°	8490.2	8501.1	8512.0	8544.7	8544.7	8562.2	8557.8	8540.4	8525.1	8512.0	8512.0
15°	8715.0	8712.8	8725.9	8758.7	8774.0	8802.3	8802.3	8778.3	8758.7	8745.6	8741.2
17.5°	8950.8	8957.3	8966.1	9005.4	9029.4	9062.1	9066.5	9046.9	9033.8	9016.3	9005.4
20°	9225.9	9236.8	9271.7	9287.0	9308.8	9339.4	9350.3	9345.9	9332.8	9324.1	9326.3
22.5°	9546.8	9575.2	9597.0	9618.8	9645.0	9666.9	9677.8	9693.1	9680.0	9673.4	9669.0
25°	9935.4	9955.0	9998.7	10038.0	10055.5	10062.0	10075.1	10096.9	10094.8	10079.5	10079.5
27.5°	10376.4	10413.5	10468.1	10524.8	10524.8	10503.0	10546.7	10583.8	10570.7	10551.0	10524.8
30°	10911.2	10946.2	11009.5	11088.1	11048.8	11033.5	11092.4	11160.1	11140.5	11107.7	11103.4
32.5°	11487.6	11520.3	11603.3	11688.4	11638.2	11616.4	11679.7	11777.9	11743.0	11677.5	11638.2
35°	12112.0	12144.7	12262.6	12365.2	12280.1	12242.9	12295.3	12402.3	12341.2	12218.9	12188.4
37.5°	12790.9	12808.4	12961.2	13066.0	13007.0	12908.8	12974.3	13052.9	13000.5	12852.0	12793.1
40°	13496.1	13559.4	13736.2	13858.5	13755.9	13600.9	13710.0	13819.2	13740.6	13550.6	13450.2
42.5°	14319.1	14367.1	14602.9	14712.1	14546.1	14327.8	14476.3	14624.7	14546.1	14362.8	14275.4
45°	15174.9	15249.1	15530.7	15639.9	15399.7	15122.5	15303.7	15563.5	15556.9	15292.8	15201.1
47.5°	16107.1	16181.3	16517.5	16661.6	16401.8	16030.7	16286.1	16652.9	16626.7	16336.3	16262.1
50°	17183.4	17261.9	17681.1	17862.3	17620.0	17187.7	17571.9	17895.1	17847.0	17489.0	17495.5
52.5°	18534.7	18530.3	19052.1	19366.5	19117.6	18735.6	19089.2	19403.6	19204.9	18709.4	18694.1
55°	19718.0	19790.0	20436.2	21032.2	21016.9	20870.6	21012.5	21025.6	20458.0	19798.7	19718.0
57.5°	20495.2	20632.7	21543.0	22621.5	23429.3	23623.6	23348.5	22514.5	21185.0	20130.6	20001.8
60°	20017.0	20226.6	21656.6	23855.0	26234.6	27376.4	25824.2	23237.2	20619.6	19150.3	18975.7
62.5°	16790.4	17144.1	19237.7	23259.0	28649.1	31987.1	27618.7	22077.9	18371.0	16347.2	16048.1
65°	10225.7	10599.1	13122.7	19143.8	28258.3	35637.3	26800.0	18325.1	13408.7	10891.6	10568.5
67.5°	3407.9	3517.0	5003.7	10581.6	22208.9	32019.9	22246.0	10970.2	5835.5	3868.5	3755.0
70°	1333.9	1344.8	1587.1	3067.3	10487.7	21992.8	11572.7	3121.9	1659.2	1312.1	1340.4
72.5°	980.2	984.6	1052.3	1281.5	2733.3	9688.7	2831.5	1288.0	1023.9	919.1	919.1
75°	788.1	788.1	836.1	934.4	1224.7	2222.4	1242.2	923.5	801.2	733.5	724.8
77.5°	622.2	635.3	672.4	735.7	829.6	1069.7	860.2	731.3	646.2	582.9	569.8
80°	462.8	475.9	537.0	567.6	596.0	742.3	635.3	572.0	510.9	436.6	423.5
82.5°	303.5	316.6	393.0	410.4	403.9	484.7	427.9	421.3	375.5	281.6	268.5
85°	198.7	203.0	262.0	272.9	251.1	220.5	272.9	288.2	262.0	183.4	176.8
87.5°	93.9	93.9	133.2	124.4	113.5	91.7	124.4	146.3	148.5	89.5	87.3
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)