

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: P316458

Luminaire Tested: **GAN-SA4D-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29944 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

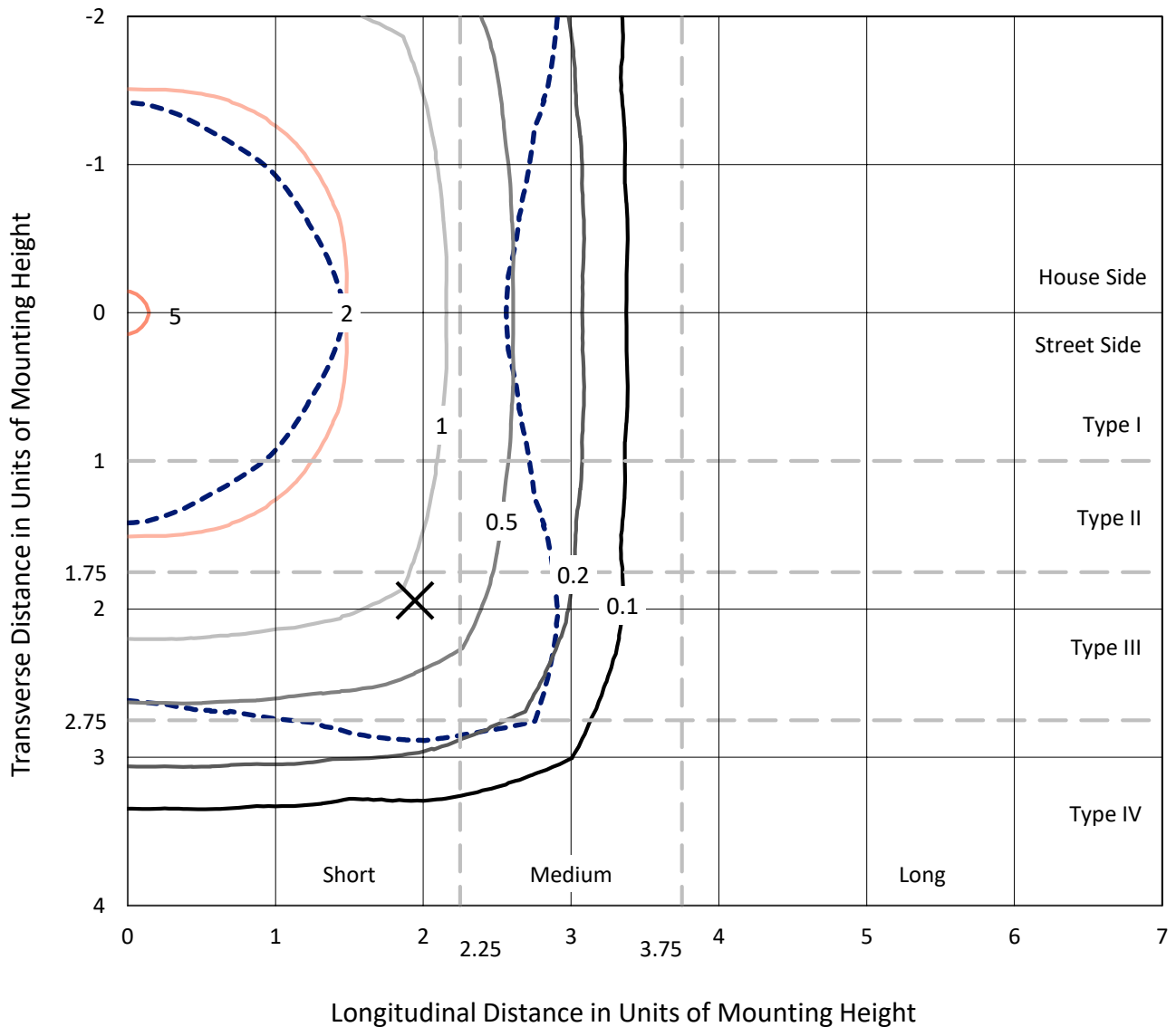
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316458
 CATALOG NUMBER: GAN-SA4D-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

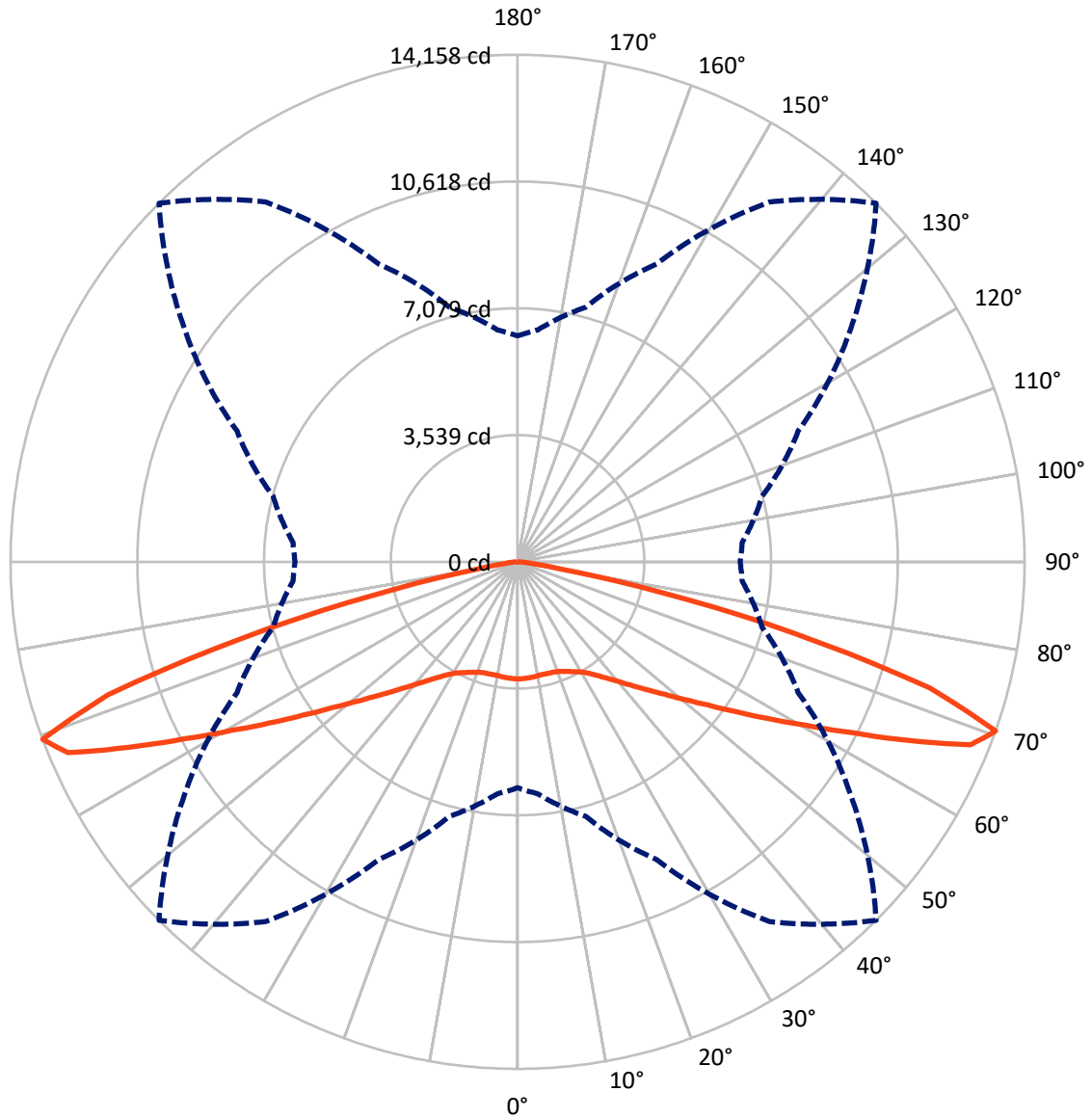
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

REPORT NUMBER: P316458
CATALOG NUMBER: GAN-SA4D-730-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316458
 CATALOG NUMBER: GAN-SA4D-730-U-5MQ

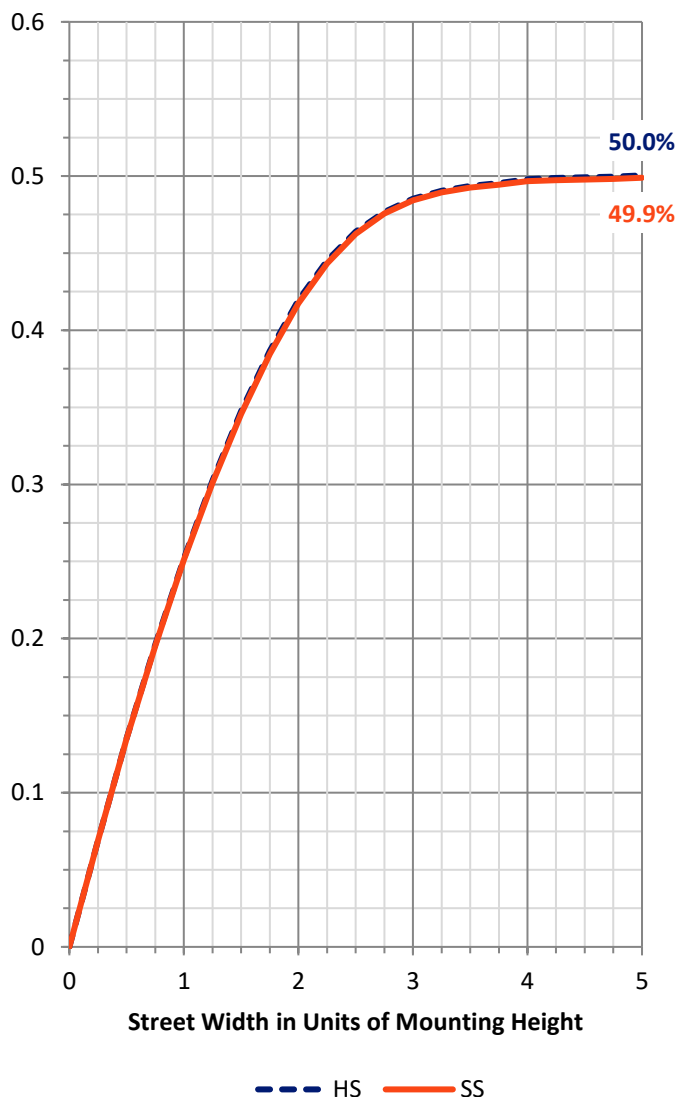
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14972.0	0.0	14972.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14972.0	0.0	14972.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29944.0	0.0	29944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.7	1.0
10°-20°	909.3	3.0
20°-30°	1547.9	5.2
30°-40°	2455.0	8.2
40°-50°	3995.1	13.3
50°-60°	6587.1	22.0
60°-70°	9670.1	32.3
70°-80°	4276.1	14.3
80°-90°	193.6	0.6
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°	29944.0	100.0
0°-180°	29944.0	100.0

Coefficient of Utilization

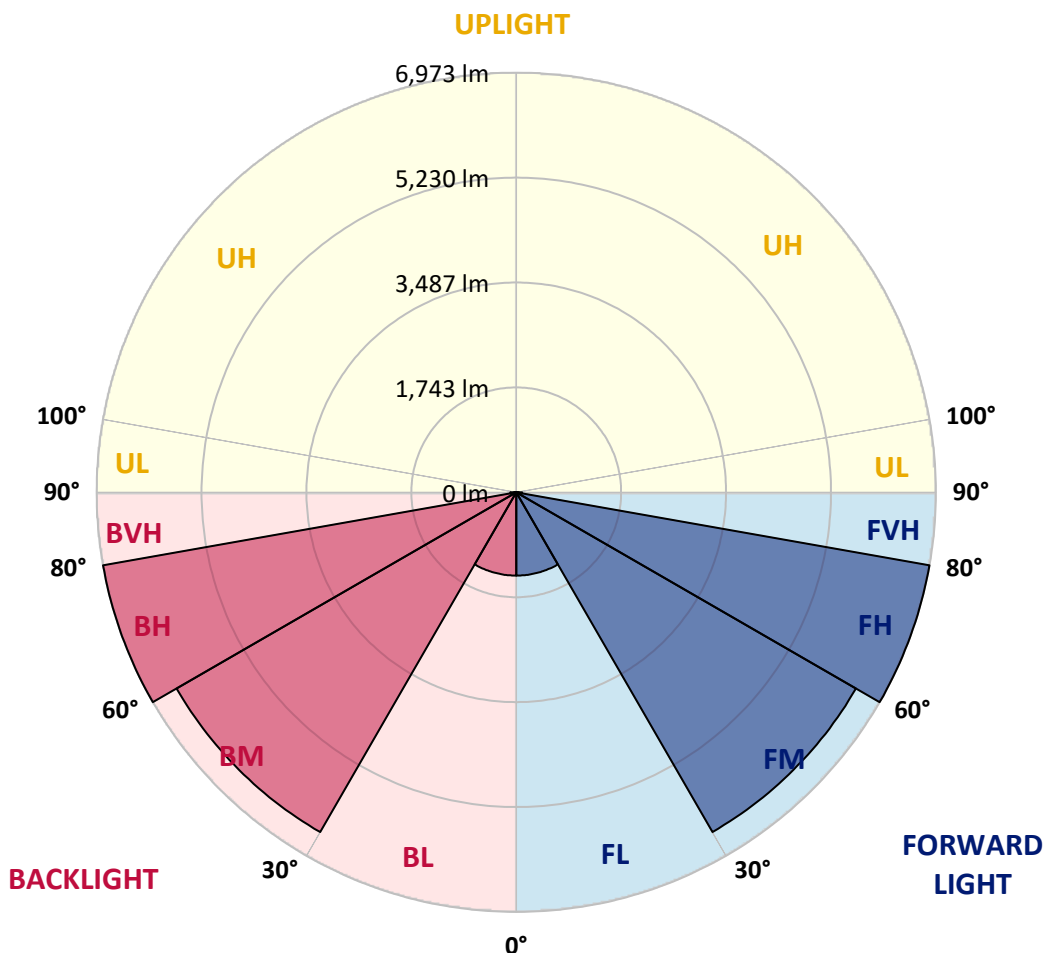


REPORT NUMBER: P316458
 CATALOG NUMBER: GAN-SA4D-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1383.5	4.6			
FM (30°-60°)	6518.6	21.8			
FH (60°-80°)	6973.1	23.3			G3/7500
FVH (80°-90°)	96.8	0.3			G1/100
BL (0°-30°)	1383.5	4.6	B3/2500		
BM (30°-60°)	6518.6	21.8	B4/8500		
BH (60°-80°)	6973.1	23.3	B5		G3/7500
BVH (80°-90°)	96.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





REPORT NUMBER: P316458

CATALOG NUMBER: GAN-SA4D-730-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3270.4	3270.4	3270.4	3270.4	3270.4	3270.4	3270.4	3270.4	3270.4	3270.4	3270.4
2.5°	3265.4	3262.4	3269.4	3268.4	3262.4	3263.4	3263.4	3266.4	3266.4	3264.4	3264.4
5°	3253.5	3251.5	3259.4	3259.4	3253.5	3255.5	3257.5	3260.4	3259.4	3257.5	3256.5
7.5°	3238.6	3237.6	3245.6	3245.6	3241.6	3243.6	3241.6	3242.6	3240.6	3238.6	3235.7
10°	3213.9	3215.8	3222.8	3224.8	3224.8	3225.8	3223.8	3218.8	3215.8	3212.9	3209.9
12.5°	3191.1	3190.1	3200.0	3204.9	3212.9	3221.8	3215.8	3202.0	3196.0	3190.1	3188.1
15°	3176.2	3177.2	3187.1	3196.0	3209.9	3228.7	3221.8	3200.0	3188.1	3181.2	3179.2
17.5°	3173.2	3175.2	3188.1	3204.0	3218.8	3239.6	3235.7	3213.9	3194.0	3181.2	3178.2
20°	3180.2	3181.2	3201.0	3223.8	3249.5	3269.4	3260.4	3236.7	3209.9	3190.1	3185.1
22.5°	3193.1	3197.0	3221.8	3257.5	3297.1	3323.9	3313.0	3272.3	3230.7	3205.9	3199.0
25°	3233.7	3234.7	3268.4	3316.9	3364.5	3395.2	3382.3	3324.9	3271.3	3243.6	3234.7
27.5°	3317.9	3320.9	3354.6	3411.1	3451.7	3471.5	3463.6	3417.0	3371.4	3341.7	3344.7
30°	3439.8	3443.8	3481.4	3543.9	3568.6	3573.6	3571.6	3549.8	3508.2	3468.6	3471.5
32.5°	3588.5	3590.4	3641.0	3697.5	3717.3	3721.3	3717.3	3697.5	3647.9	3594.4	3597.4
35°	3779.7	3785.7	3834.2	3888.7	3904.6	3912.5	3905.6	3879.8	3828.3	3775.8	3773.8
37.5°	4015.6	4016.6	4067.1	4123.6	4143.4	4145.4	4137.5	4120.6	4056.2	4008.7	4005.7
40°	4289.1	4293.1	4352.5	4413.0	4420.9	4412.0	4422.9	4413.0	4346.6	4292.1	4301.0
42.5°	4622.1	4631.0	4702.4	4761.8	4739.0	4734.1	4741.0	4744.0	4690.5	4624.1	4618.1
45°	5009.6	5017.5	5106.7	5154.3	5139.4	5106.7	5120.6	5144.4	5070.0	4987.8	4995.7
47.5°	5451.6	5471.4	5566.5	5611.1	5574.5	5529.9	5556.6	5592.3	5505.1	5403.0	5398.1
50°	5943.1	5967.9	6094.7	6157.2	6120.5	6038.3	6082.9	6106.6	5980.8	5849.0	5838.1
52.5°	6467.4	6492.1	6651.7	6780.5	6756.7	6628.9	6691.3	6666.6	6521.9	6344.5	6330.6
55°	7061.0	7070.9	7243.3	7451.4	7475.2	7381.1	7377.1	7336.5	7122.4	6917.3	6907.4
57.5°	7671.5	7678.4	7901.4	8147.1	8259.1	8259.1	8148.1	8061.9	7777.5	7539.6	7514.9
60°	8330.5	8355.3	8602.0	8936.0	9197.6	9274.9	9078.7	8843.8	8534.6	8244.3	8215.5
62.5°	8917.2	8945.9	9323.5	9821.0	10241.2	10522.6	10042.9	9660.4	9097.5	8631.7	8577.2
65°	8991.5	9068.8	9618.8	10519.6	11460.1	12022.0	11102.3	10159.9	9134.2	8487.1	8431.6
67.5°	8211.6	8342.4	9085.6	10487.9	12431.3	13637.4	11779.2	9874.5	8476.2	7760.6	7699.2
70°	6309.8	6500.1	7357.3	9173.8	12263.8	14157.6	11355.1	8644.6	7066.9	6296.9	6210.7
72.5°	3461.6	3539.9	4310.9	6282.0	9831.9	12030.9	9471.1	6392.0	4686.5	3813.4	3668.7
75°	1098.0	1125.8	1518.2	2570.7	5561.6	7968.8	6016.5	3137.6	1727.3	1273.5	1258.6
77.5°	487.6	490.6	549.0	750.2	1915.6	4037.4	2301.1	854.3	588.7	514.3	531.2
80°	308.2	308.2	339.9	371.6	521.3	1172.4	622.4	406.3	346.9	322.1	329.0
82.5°	147.7	163.5	221.0	237.8	286.4	394.4	319.1	265.6	231.9	172.4	160.5
85°	97.1	81.3	139.7	157.6	166.5	189.3	185.3	175.4	151.6	86.2	96.1
87.5°	43.6	41.6	72.3	66.4	62.4	47.6	71.4	88.2	85.2	42.6	42.6
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)