

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: P316778

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316778
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-SA4D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 29403 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

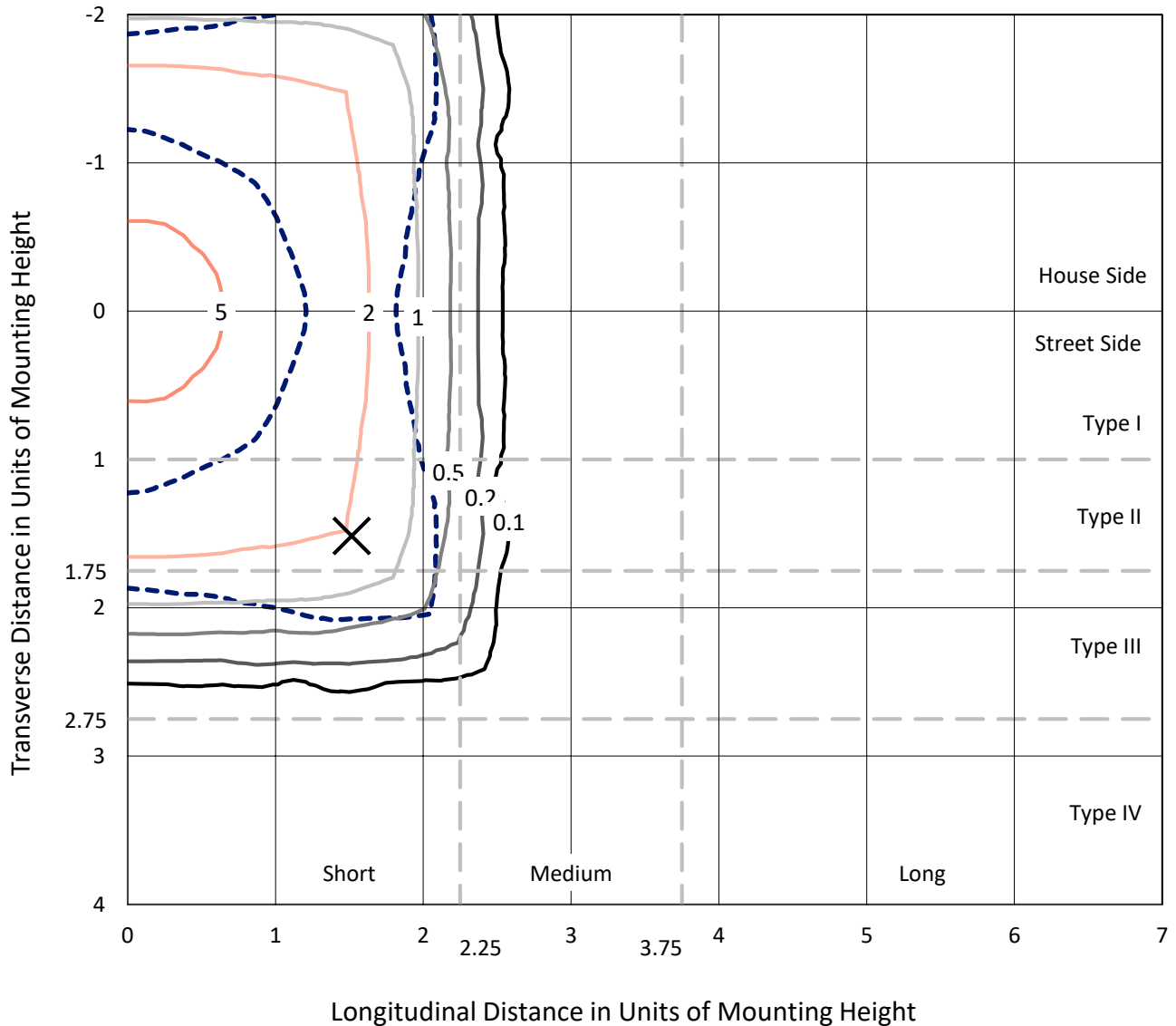
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

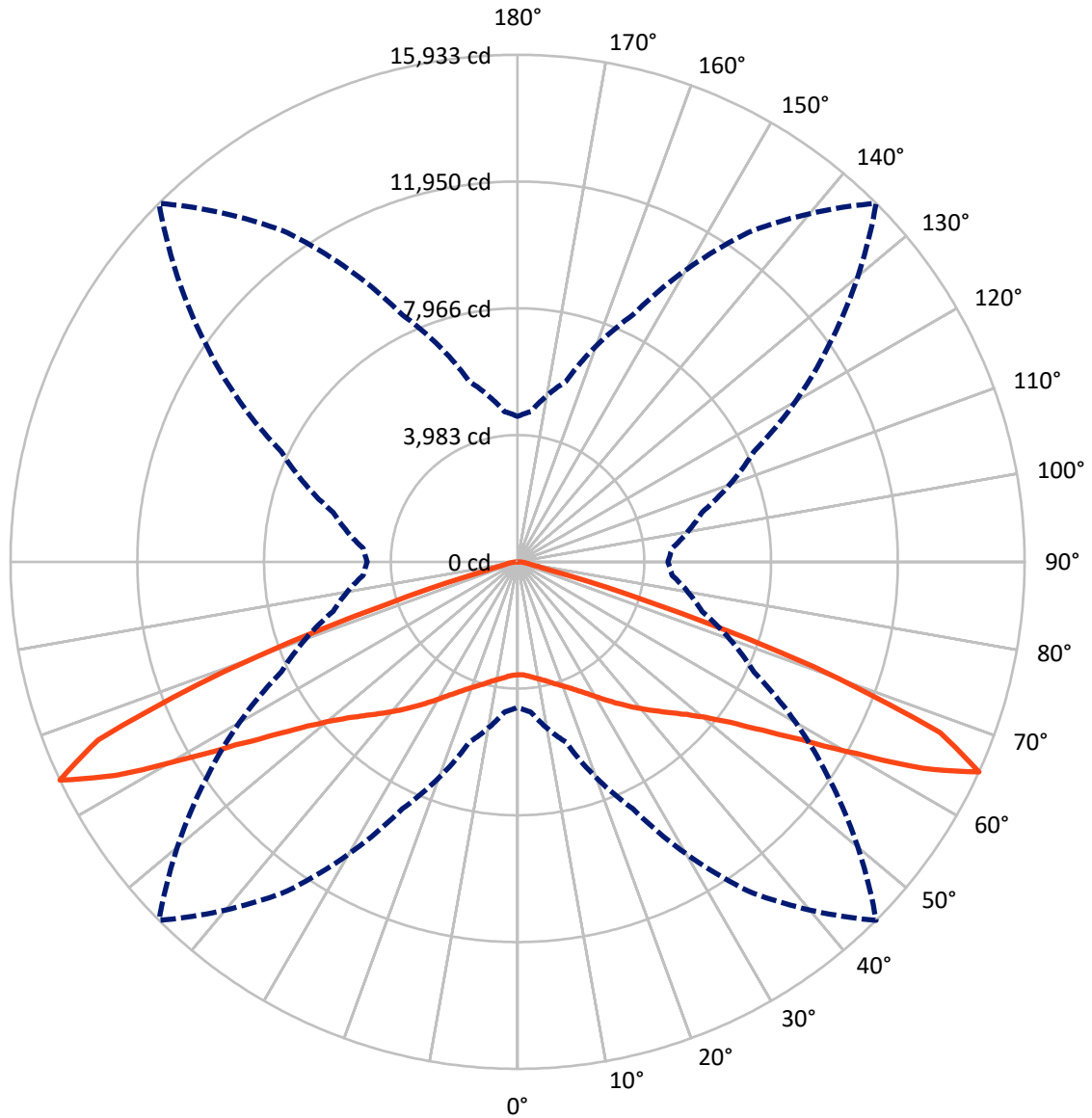
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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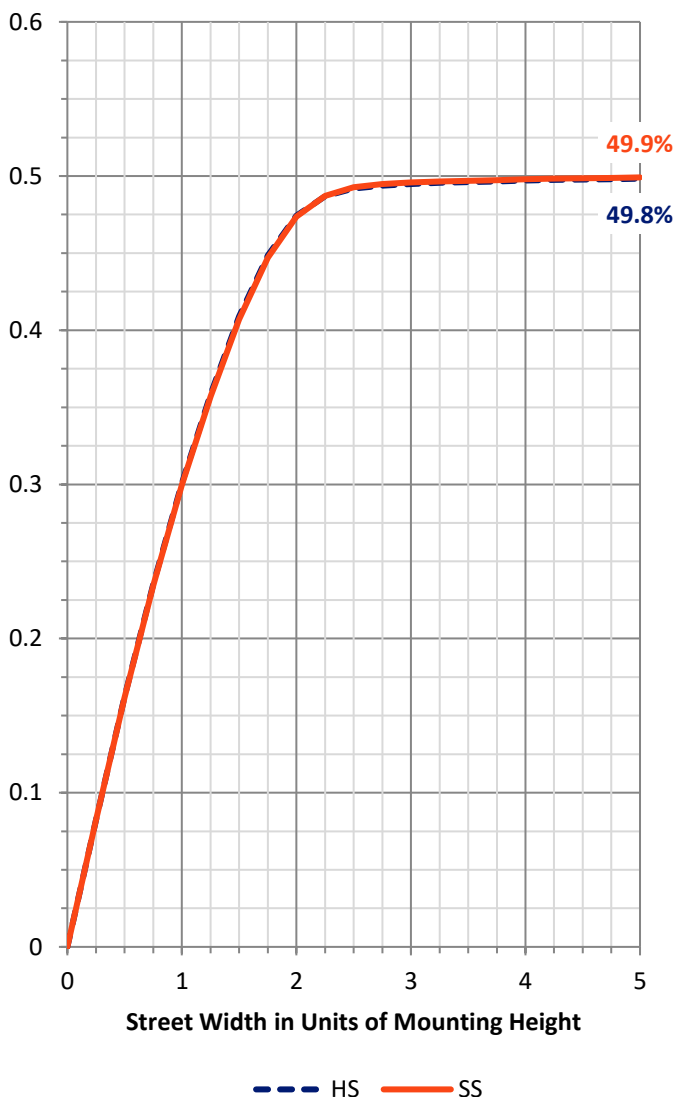
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14701.5	0.0	14701.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14701.5	0.0	14701.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29403.0	0.0	29403.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.4	1.2
10°-20°	1119.8	3.8
20°-30°	2100.9	7.1
30°-40°	3474.5	11.8
40°-50°	5381.6	18.3
50°-60°	8253.8	28.1
60°-70°	7701.7	26.2
70°-80°	896.4	3.0
80°-90°	126.0	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°	29403.0	100.0
0°-180°	29403.0	100.0

Coefficient of Utilization



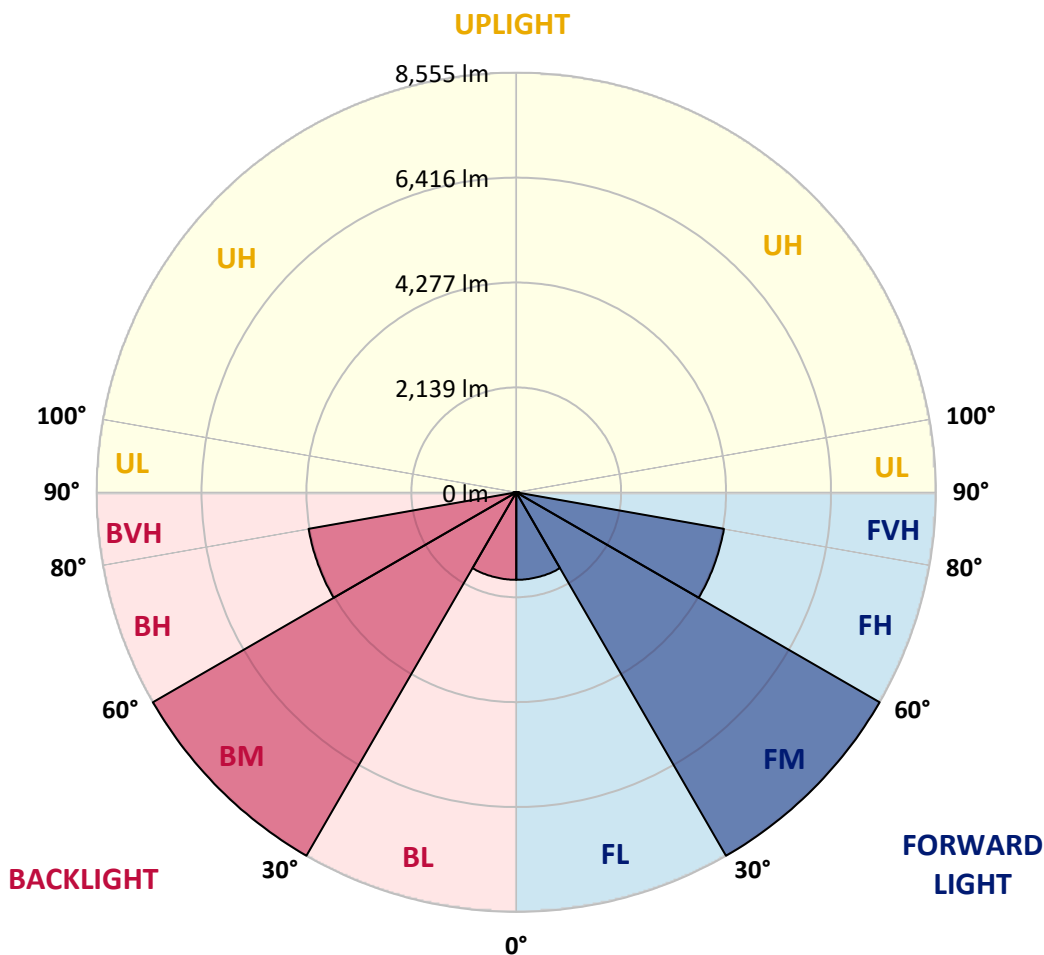
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1784.5	6.1			
FM (30°-60°)	8554.9	29.1			
FH (60°-80°)	4299.0	14.6			G2/5000
FVH (80°-90°)	63.0	0.2			G1/100
BL (0°-30°)	1784.5	6.1	B3/2500		
BM (30°-60°)	8554.9	29.1	B5		
BH (60°-80°)	4299.0	14.6	B4/5000		G2/5000
BVH (80°-90°)	63.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3562.5	3560.5	3562.5	3563.5	3557.6	3560.5	3559.6	3564.4	3566.4	3564.4	3564.4
5°	3603.5	3600.6	3604.5	3609.3	3601.5	3603.5	3600.6	3606.4	3608.4	3604.5	3607.4
7.5°	3660.1	3661.1	3665.0	3673.8	3668.9	3672.8	3666.9	3667.9	3666.9	3661.1	3662.1
10°	3721.6	3722.6	3729.4	3741.1	3743.1	3743.1	3739.2	3736.2	3732.3	3728.4	3729.4
12.5°	3795.8	3800.6	3805.5	3820.2	3820.2	3828.0	3826.0	3818.2	3811.4	3805.5	3805.5
15°	3896.3	3895.3	3901.2	3915.8	3922.7	3935.3	3935.3	3924.6	3915.8	3910.0	3908.0
17.5°	4001.7	4004.6	4008.5	4026.1	4036.8	4051.5	4053.4	4044.7	4038.8	4031.0	4026.1
20°	4124.7	4129.6	4145.2	4152.0	4161.8	4175.4	4180.3	4178.4	4172.5	4168.6	4169.6
22.5°	4268.2	4280.9	4290.6	4300.4	4312.1	4321.8	4326.7	4333.6	4327.7	4324.8	4322.8
25°	4441.9	4450.7	4470.2	4487.8	4495.6	4498.5	4504.4	4514.1	4513.1	4506.3	4506.3
27.5°	4639.1	4655.6	4680.0	4705.4	4705.4	4695.7	4715.2	4731.8	4725.9	4717.1	4705.4
30°	4878.2	4893.8	4922.1	4957.2	4939.7	4932.8	4959.2	4989.4	4980.7	4966.0	4964.1
32.5°	5135.9	5150.5	5187.6	5225.6	5203.2	5193.4	5221.7	5265.7	5250.0	5220.8	5203.2
35°	5415.0	5429.6	5482.3	5528.2	5490.1	5473.6	5497.0	5544.8	5517.5	5462.8	5449.2
37.5°	5718.5	5726.3	5794.7	5841.5	5815.2	5771.2	5800.5	5835.7	5812.2	5745.9	5719.5
40°	6033.8	6062.1	6141.2	6195.8	6149.9	6080.6	6129.4	6178.2	6143.1	6058.2	6013.3
42.5°	6401.8	6423.2	6528.6	6577.4	6503.3	6405.7	6472.0	6538.4	6503.3	6421.3	6382.2
45°	6784.4	6817.5	6943.5	6992.3	6884.9	6760.9	6841.9	6958.1	6955.2	6837.1	6796.1
47.5°	7201.1	7234.3	7384.6	7449.0	7332.9	7167.0	7281.2	7445.1	7433.4	7303.6	7270.4
50°	7682.3	7717.4	7904.8	7985.8	7877.5	7684.3	7856.0	8000.5	7979.0	7818.9	7821.9
52.5°	8286.5	8284.5	8517.8	8658.3	8547.1	8376.3	8534.4	8674.9	8586.1	8364.5	8357.7
55°	8815.5	8847.7	9136.6	9403.0	9396.2	9330.8	9394.3	9400.1	9146.3	8851.6	8815.5
57.5°	9162.9	9224.4	9631.4	10113.6	10474.7	10561.6	10438.6	10065.8	9471.4	8999.9	8942.4
60°	8949.2	9042.9	9682.2	10665.0	11728.9	12239.4	11545.4	10388.8	9218.6	8561.7	8483.6
62.5°	7506.6	7664.7	8600.7	10398.6	12808.4	14300.7	12347.7	9870.6	8213.3	7308.5	7174.8
65°	4571.7	4738.6	5866.9	8558.8	12633.7	15932.7	11981.7	8192.8	5994.8	4869.4	4724.9
67.5°	1523.6	1572.4	2237.1	4730.8	9929.1	14315.4	9945.7	4904.5	2608.9	1729.5	1678.8
70°	596.4	601.2	709.6	1371.3	4688.8	9832.5	5173.9	1395.7	741.8	586.6	599.3
72.5°	438.2	440.2	470.4	572.9	1222.0	4331.6	1265.9	575.9	457.8	410.9	410.9
75°	352.3	352.3	373.8	417.7	547.6	993.6	555.4	412.9	358.2	327.9	324.0
77.5°	278.2	284.0	300.6	328.9	370.9	478.3	384.6	327.0	288.9	260.6	254.7
80°	206.9	212.8	240.1	253.8	266.5	331.8	284.0	255.7	228.4	195.2	189.3
82.5°	135.7	141.5	175.7	183.5	180.6	216.7	191.3	188.4	167.9	125.9	120.1
85°	88.8	90.8	117.1	122.0	112.2	98.6	122.0	128.8	117.1	82.0	79.1
87.5°	42.0	42.0	59.5	55.6	50.8	41.0	55.6	65.4	66.4	40.0	39.0
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)