

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: P316857

Luminaire Tested: **GAN-SA3D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316857
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-SA3D-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 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: 24435 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

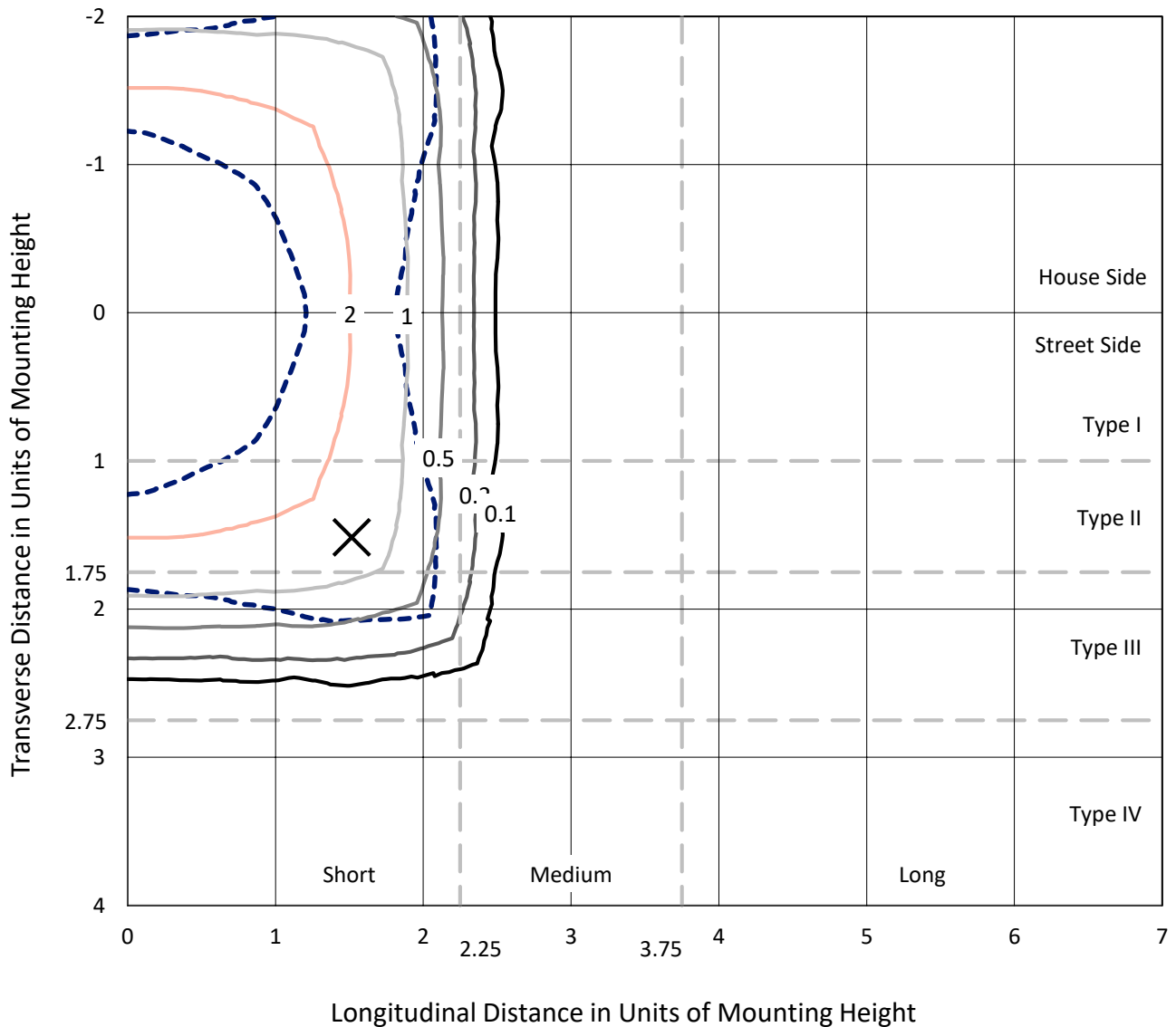
Input Watts (W): 191
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

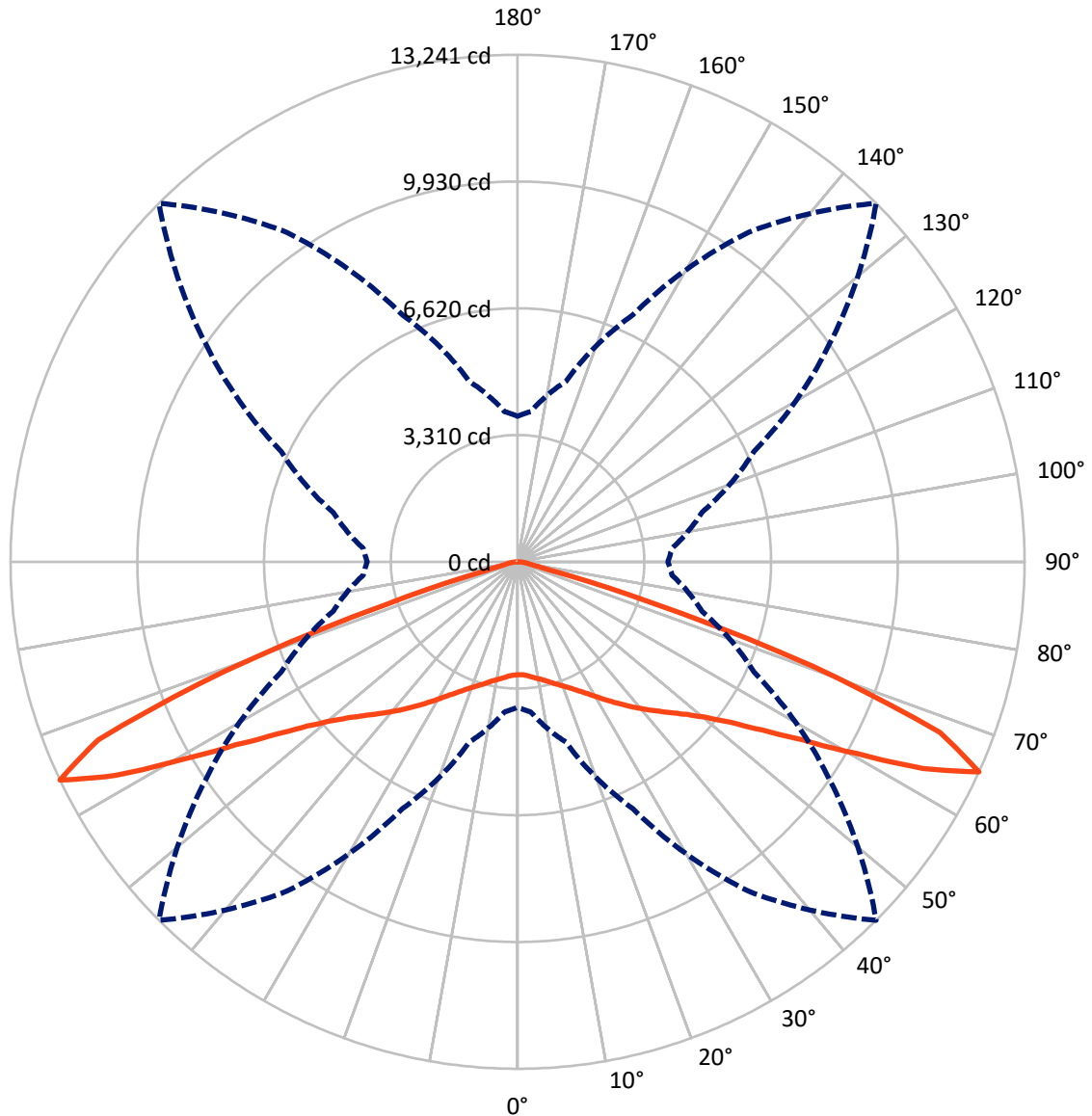
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	12217.5	0.0	12217.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12217.5	0.0	12217.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24435.0	0.0	24435.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	1.2
10°-20°	930.6	3.8
20°-30°	1746.0	7.1
30°-40°	2887.5	11.8
40°-50°	4472.3	18.3
50°-60°	6859.2	28.1
60°-70°	6400.4	26.2
70°-80°	744.9	3.0
80°-90°	104.7	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°	24435.0	100.0
0°-180°	24435.0	100.0

Coefficient of Utilization

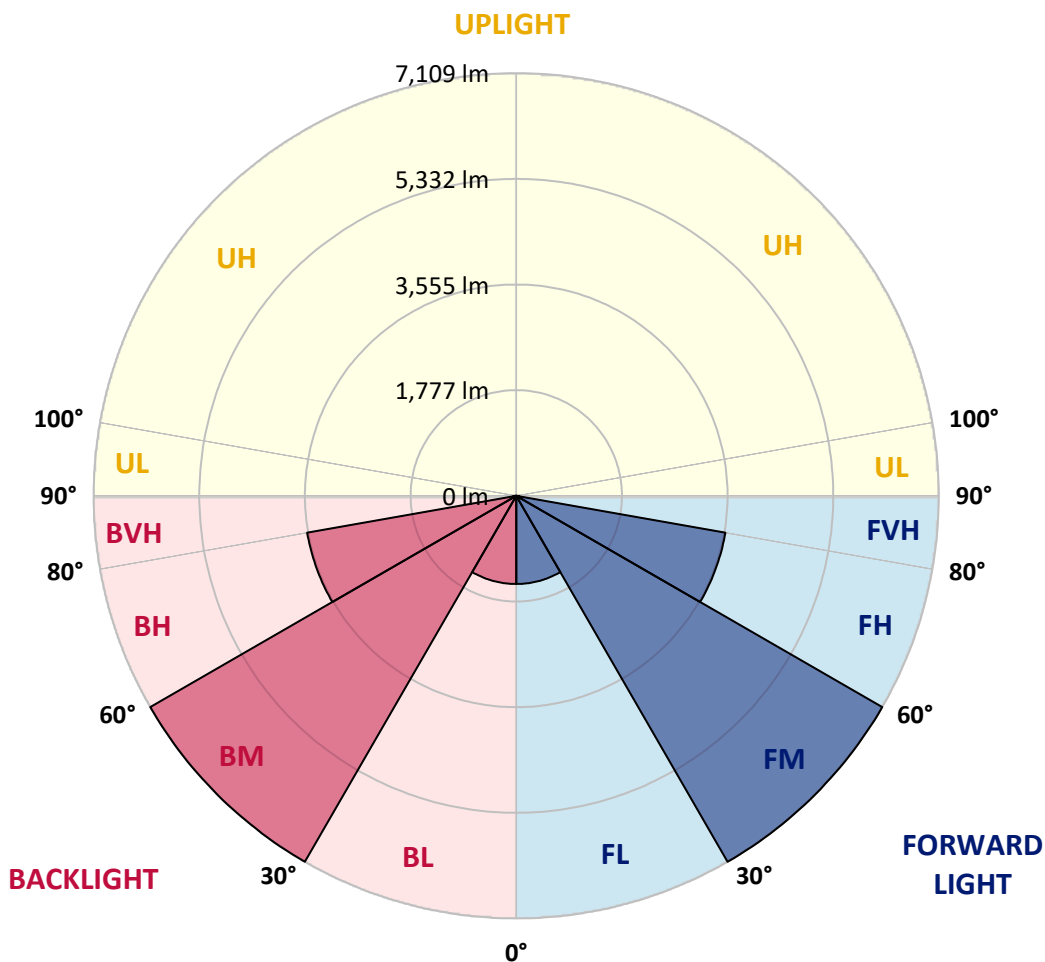


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1483.0	6.1			
FM (30°-60°)	7109.5	29.1			
FH (60°-80°)	3572.7	14.6			G2/5000
FVH (80°-90°)	52.3	0.2			G1/100
BL (0°-30°)	1483.0	6.1	B3/2500		
BM (30°-60°)	7109.5	29.1	B4/8500		
BH (60°-80°)	3572.7	14.6	B4/5000		G2/5000
BVH (80°-90°)	52.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8
2.5°	2960.6	2958.9	2960.6	2961.4	2956.5	2958.9	2958.1	2962.2	2963.8	2962.2	2962.2
5°	2994.6	2992.2	2995.4	2999.5	2993.0	2994.6	2992.2	2997.1	2998.7	2995.4	2997.9
7.5°	3041.7	3042.5	3045.7	3053.0	3049.0	3052.2	3047.4	3048.2	3047.4	3042.5	3043.3
10°	3092.8	3093.6	3099.3	3109.0	3110.6	3110.6	3107.4	3104.9	3101.7	3098.5	3099.3
12.5°	3154.4	3158.5	3162.5	3174.7	3174.7	3181.2	3179.6	3173.1	3167.4	3162.5	3162.5
15°	3238.0	3237.2	3242.0	3254.2	3259.9	3270.4	3270.4	3261.5	3254.2	3249.3	3247.7
17.5°	3325.6	3328.0	3331.2	3345.8	3354.8	3366.9	3368.6	3361.3	3356.4	3349.9	3345.8
20°	3427.8	3431.8	3444.8	3450.5	3458.6	3469.9	3474.0	3472.4	3467.5	3464.3	3465.1
22.5°	3547.0	3557.5	3565.7	3573.8	3583.5	3591.6	3595.7	3601.3	3596.5	3594.0	3592.4
25°	3691.4	3698.7	3714.9	3729.5	3736.0	3738.4	3743.3	3751.4	3750.6	3744.9	3744.9
27.5°	3855.2	3869.0	3889.3	3910.4	3910.4	3902.3	3918.5	3932.3	3927.4	3920.1	3910.4
30°	4054.0	4066.9	4090.5	4119.7	4105.1	4099.4	4121.3	4146.4	4139.1	4127.0	4125.3
32.5°	4268.1	4280.3	4311.1	4342.7	4324.1	4315.9	4339.5	4376.0	4363.0	4338.7	4324.1
35°	4500.1	4512.2	4556.0	4594.2	4562.5	4548.7	4568.2	4607.9	4585.2	4539.8	4528.5
37.5°	4752.3	4758.8	4815.6	4854.5	4832.6	4796.1	4820.5	4849.7	4830.2	4775.0	4753.1
40°	5014.3	5037.8	5103.5	5149.0	5110.8	5053.2	5093.8	5134.4	5105.2	5034.6	4997.3
42.5°	5320.1	5337.9	5425.5	5466.1	5404.5	5323.3	5378.5	5433.7	5404.5	5336.3	5303.9
45°	5638.1	5665.6	5770.3	5810.8	5721.6	5618.6	5685.9	5782.4	5780.0	5681.9	5647.8
47.5°	5984.4	6012.0	6136.9	6190.4	6093.9	5956.0	6050.9	6187.2	6177.5	6069.6	6042.0
50°	6384.3	6413.5	6569.2	6636.5	6546.5	6385.9	6528.7	6648.7	6630.9	6497.8	6500.3
52.5°	6886.4	6884.7	7078.6	7195.4	7102.9	6961.0	7092.4	7209.2	7135.4	6951.3	6945.6
55°	7326.0	7352.8	7592.8	7814.3	7808.6	7754.3	7807.0	7811.8	7601.0	7356.0	7326.0
57.5°	7614.7	7665.8	8004.1	8404.8	8704.9	8777.1	8674.9	8365.0	7871.1	7479.3	7431.4
60°	7437.1	7515.0	8046.3	8863.1	9747.2	10171.4	9594.7	8633.5	7661.0	7115.1	7050.2
62.5°	6238.3	6369.7	7147.5	8641.6	10644.3	11884.5	10261.4	8202.8	6825.5	6073.6	5962.5
65°	3799.3	3938.0	4875.6	7112.7	10499.1	13240.6	9957.2	6808.5	4981.9	4046.7	3926.6
67.5°	1266.2	1306.7	1859.1	3931.5	8251.5	11896.6	8265.3	4075.9	2168.1	1437.3	1395.1
70°	495.6	499.6	589.7	1139.6	3896.6	8171.2	4299.7	1159.9	616.4	487.5	498.0
72.5°	364.2	365.8	391.0	476.1	1015.5	3599.7	1052.0	478.6	380.4	341.5	341.5
75°	292.8	292.8	310.7	347.2	455.0	825.7	461.5	343.1	297.7	272.5	269.3
77.5°	231.2	236.0	249.8	273.3	308.2	397.4	319.6	271.7	240.1	216.6	211.7
80°	172.0	176.8	199.5	210.9	221.4	275.8	236.0	212.5	189.8	162.2	157.4
82.5°	112.7	117.6	146.0	152.5	150.1	180.1	159.0	156.5	139.5	104.6	99.8
85°	73.8	75.4	97.3	101.4	93.3	81.9	101.4	107.1	97.3	68.1	65.7
87.5°	34.9	34.9	49.5	46.2	42.2	34.1	46.2	54.3	55.2	33.3	32.4
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)