

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: P317177

Luminaire Tested: **GAN-SA3D-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3D-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24214 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

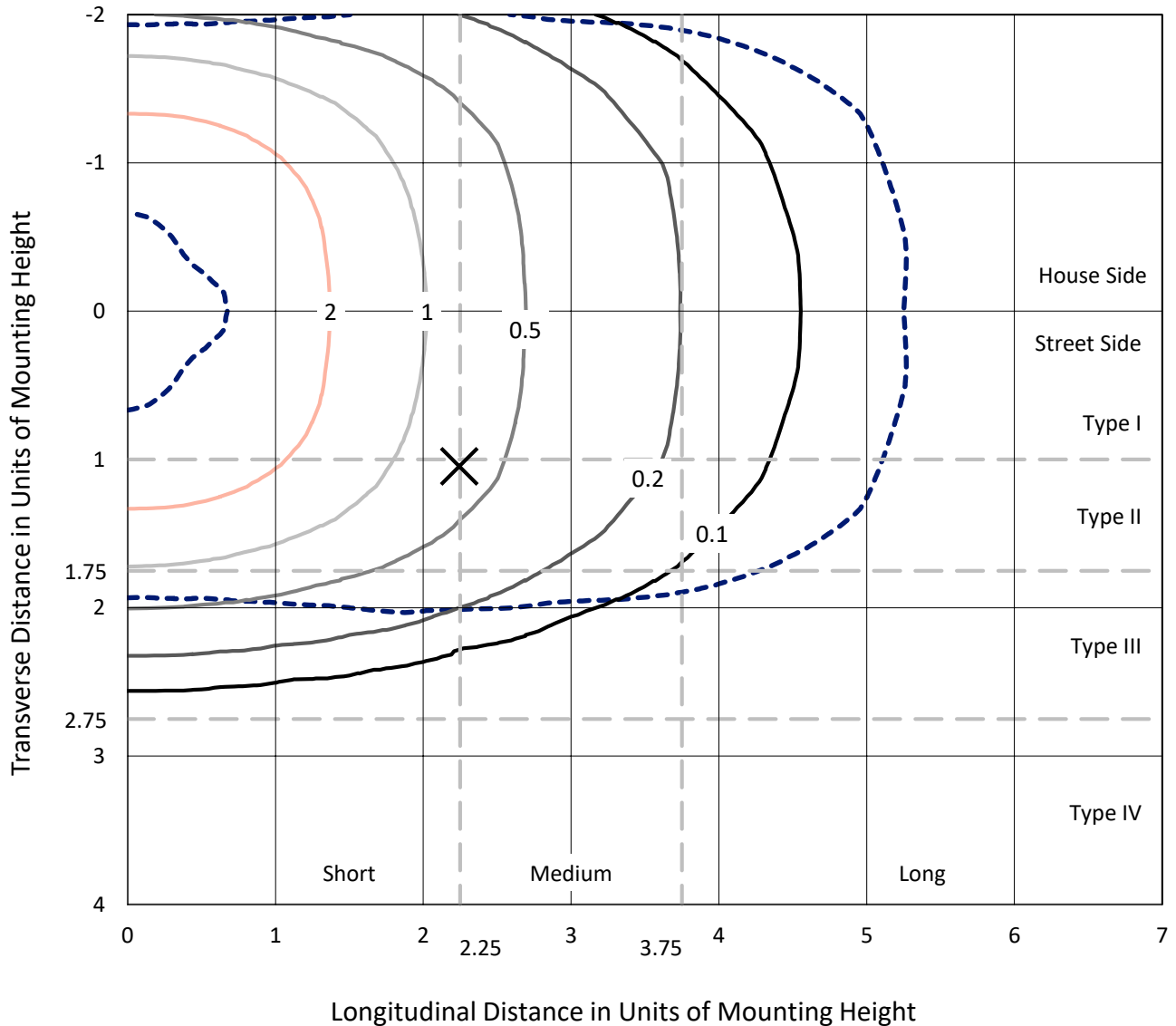
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

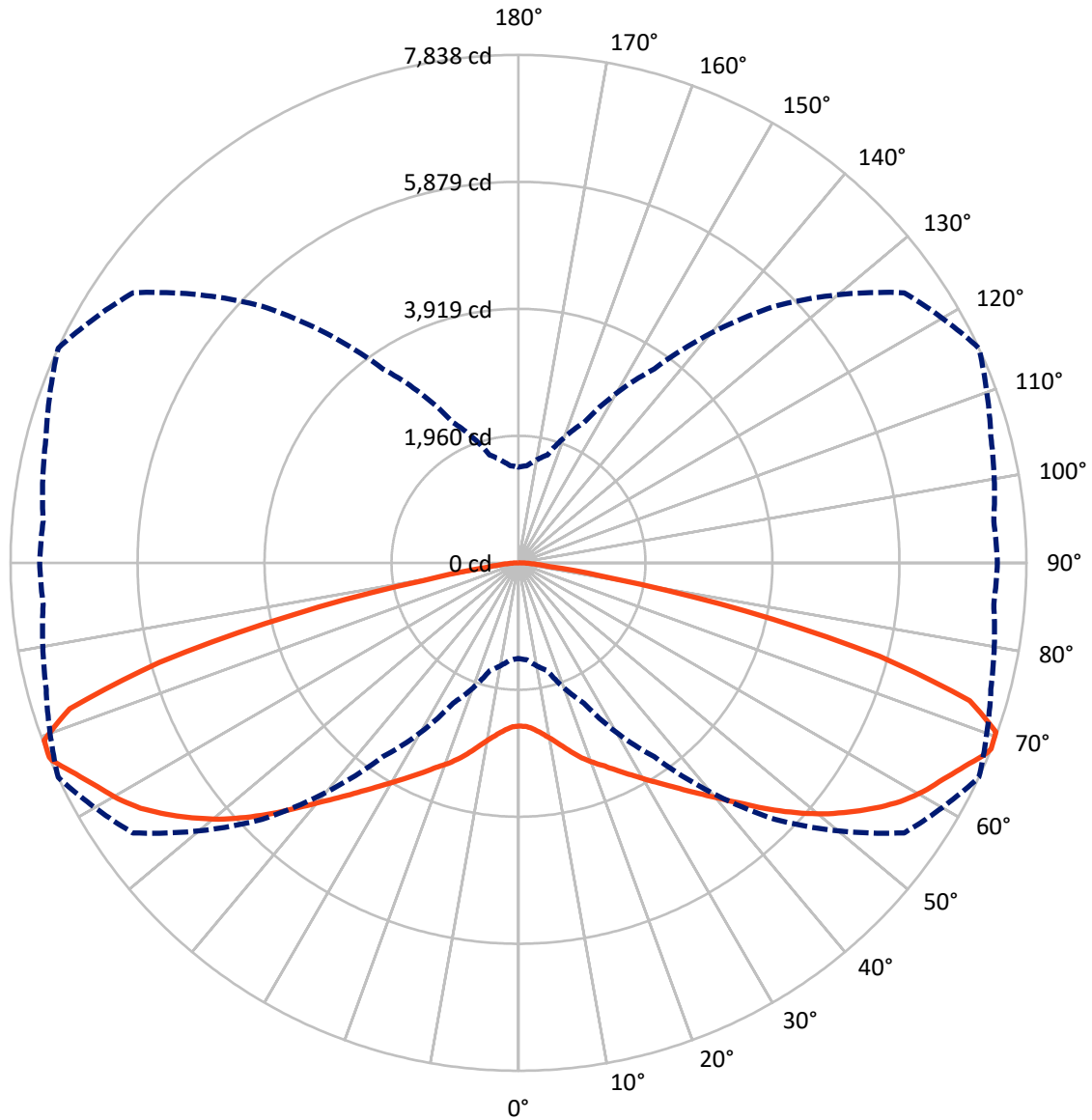
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12107.0	0.0	12107.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12107.0	0.0	12107.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24214.0	0.0	24214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	1.0
10°-20°	825.4	3.4
20°-30°	1609.3	6.6
30°-40°	2703.5	11.2
40°-50°	4259.7	17.6
50°-60°	5696.7	23.5
60°-70°	5537.9	22.9
70°-80°	3027.3	12.5
80°-90°	307.9	1.3
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°	24214.0	100.0
0°-180°	24214.0	100.0

Coefficient of Utilization

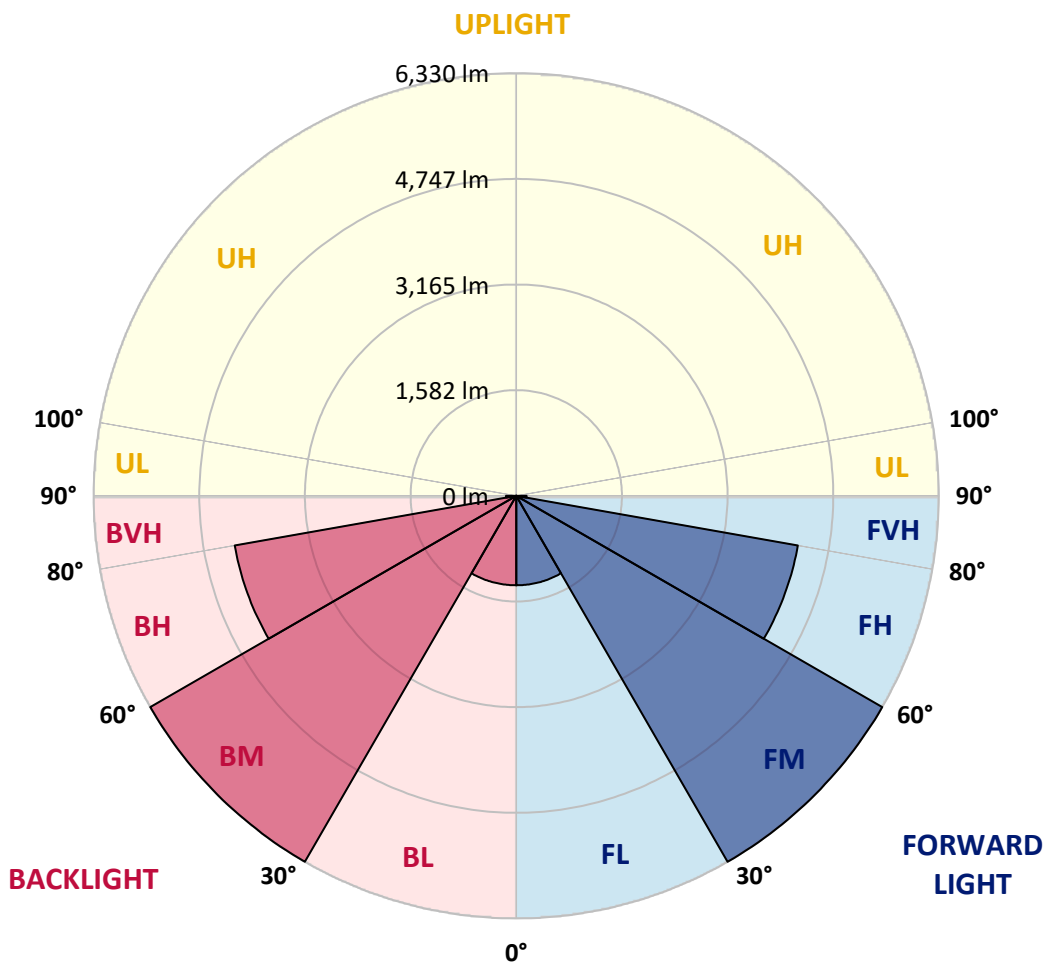


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1340.6	5.5			
FM (30°-60°)	6329.9	26.1			
FH (60°-80°)	4282.6	17.7			G2/5000
FVH (80°-90°)	153.9	0.6			G2/225
BL (0°-30°)	1340.6	5.5	B3/2500		
BM (30°-60°)	6329.9	26.1	B4/8500		
BH (60°-80°)	4282.6	17.7	B4/5000		G4/5000
BVH (80°-90°)	153.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2517.7	2517.7	2517.7	2517.7	2517.7	2517.7	2517.7	2517.7	2517.7	2517.7	2517.7
2.5°	2499.8	2500.6	2504.7	2509.6	2513.6	2524.2	2526.6	2530.7	2532.3	2536.4	2536.4
5°	2477.9	2479.5	2489.3	2502.3	2516.9	2542.9	2561.5	2582.6	2593.2	2604.6	2603.7
7.5°	2475.5	2479.5	2493.3	2514.4	2538.8	2581.8	2620.8	2663.0	2691.4	2717.4	2715.8
10°	2500.6	2507.1	2526.6	2558.3	2594.8	2648.4	2706.0	2762.9	2812.4	2852.2	2853.8
12.5°	2538.8	2546.9	2577.8	2625.7	2680.9	2749.9	2818.1	2882.2	2950.4	3009.7	3014.6
15°	2589.1	2599.7	2646.0	2717.4	2801.8	2883.9	2956.9	3022.7	3101.4	3183.4	3191.6
17.5°	2663.8	2678.4	2739.3	2835.9	2947.2	3037.3	3113.6	3163.1	3228.9	3313.3	3328.8
20°	2777.5	2796.2	2873.3	2988.6	3124.2	3218.4	3276.8	3287.4	3319.8	3395.3	3413.2
22.5°	2925.3	2941.5	3027.6	3164.8	3316.6	3418.9	3449.7	3407.5	3404.3	3465.2	3482.2
25°	3090.1	3104.7	3204.5	3358.8	3522.0	3634.9	3634.0	3552.0	3495.2	3542.3	3560.2
27.5°	3275.2	3297.9	3393.7	3556.1	3730.7	3841.9	3835.4	3708.7	3600.8	3612.9	3628.4
30°	3487.9	3513.1	3606.4	3771.3	3945.8	4054.6	4046.5	3879.2	3716.9	3684.4	3695.7
32.5°	3751.8	3781.8	3870.3	4032.7	4186.9	4285.2	4261.6	4064.3	3856.5	3785.9	3796.4
35°	4069.2	4087.1	4180.4	4340.4	4465.4	4532.8	4483.3	4278.7	4033.5	3948.2	3948.2
37.5°	4390.7	4404.5	4509.3	4664.3	4785.3	4821.0	4724.4	4513.3	4264.9	4143.9	4146.3
40°	4699.2	4736.6	4854.3	5013.5	5132.8	5142.5	5014.3	4781.2	4522.3	4397.2	4411.8
42.5°	5021.6	5058.1	5198.6	5378.8	5484.4	5500.6	5350.4	5081.7	4812.9	4711.4	4727.7
45°	5309.0	5338.2	5500.6	5710.1	5841.6	5883.8	5706.0	5425.9	5127.1	5028.1	5032.1
47.5°	5509.5	5547.7	5726.3	5973.1	6164.7	6229.7	6055.1	5761.2	5436.4	5316.3	5326.8
50°	5691.4	5711.7	5892.7	6162.3	6405.9	6539.8	6390.4	6092.5	5749.0	5621.6	5632.9
52.5°	5792.9	5818.9	5994.2	6275.1	6563.4	6779.3	6688.4	6390.4	6051.1	5926.8	5940.6
55°	5722.2	5741.7	5952.0	6300.3	6660.8	6927.1	6940.9	6681.9	6347.4	6238.6	6277.6
57.5°	5400.7	5425.1	5681.6	6137.9	6673.0	7027.0	7130.9	6952.3	6624.3	6535.8	6558.5
60°	4898.2	4913.6	5187.2	5700.3	6435.9	7068.4	7251.8	7173.1	6895.4	6806.9	6837.8
62.5°	4002.6	4025.4	4352.6	5040.2	5935.0	6945.8	7368.8	7355.8	7147.9	7066.7	7094.3
65°	2736.1	2775.9	3138.0	4007.5	5162.8	6570.7	7475.1	7568.5	7371.2	7268.9	7305.4
67.5°	1652.2	1681.4	1943.7	2646.0	3950.7	5814.0	7365.5	7810.4	7528.7	7363.9	7393.9
68°	1476.8	1503.6	1722.8	2387.8	3654.3	5600.5	7265.6	7838.0	7545.8	7362.3	7389.1
70°	892.3	910.1	1057.1	1476.0	2436.5	4442.7	6584.5	7815.3	7654.5	7385.0	7400.4
72.5°	581.3	587.0	611.4	757.5	1244.6	2484.4	4942.0	7282.7	7817.7	7517.3	7514.9
75°	483.1	479.8	482.3	499.3	613.8	1089.6	2887.9	5753.1	7452.4	7308.7	7257.5
77.5°	408.4	405.9	405.1	405.9	410.8	526.1	1253.6	3583.7	5702.8	6465.1	6510.6
80°	330.4	327.2	337.7	332.9	318.3	327.2	525.3	1490.6	2688.2	2892.0	2710.1
82.5°	240.3	228.1	273.6	260.6	248.4	230.6	289.8	481.5	641.4	440.0	309.3
85°	185.1	172.1	207.8	199.7	170.5	117.7	172.1	235.4	259.8	148.6	116.9
87.5°	75.5	79.6	150.2	118.5	99.9	56.8	70.6	94.2	126.7	63.3	48.7
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)