

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: P479578

Luminaire Tested: **IFLD-S-SA6D-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479578
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

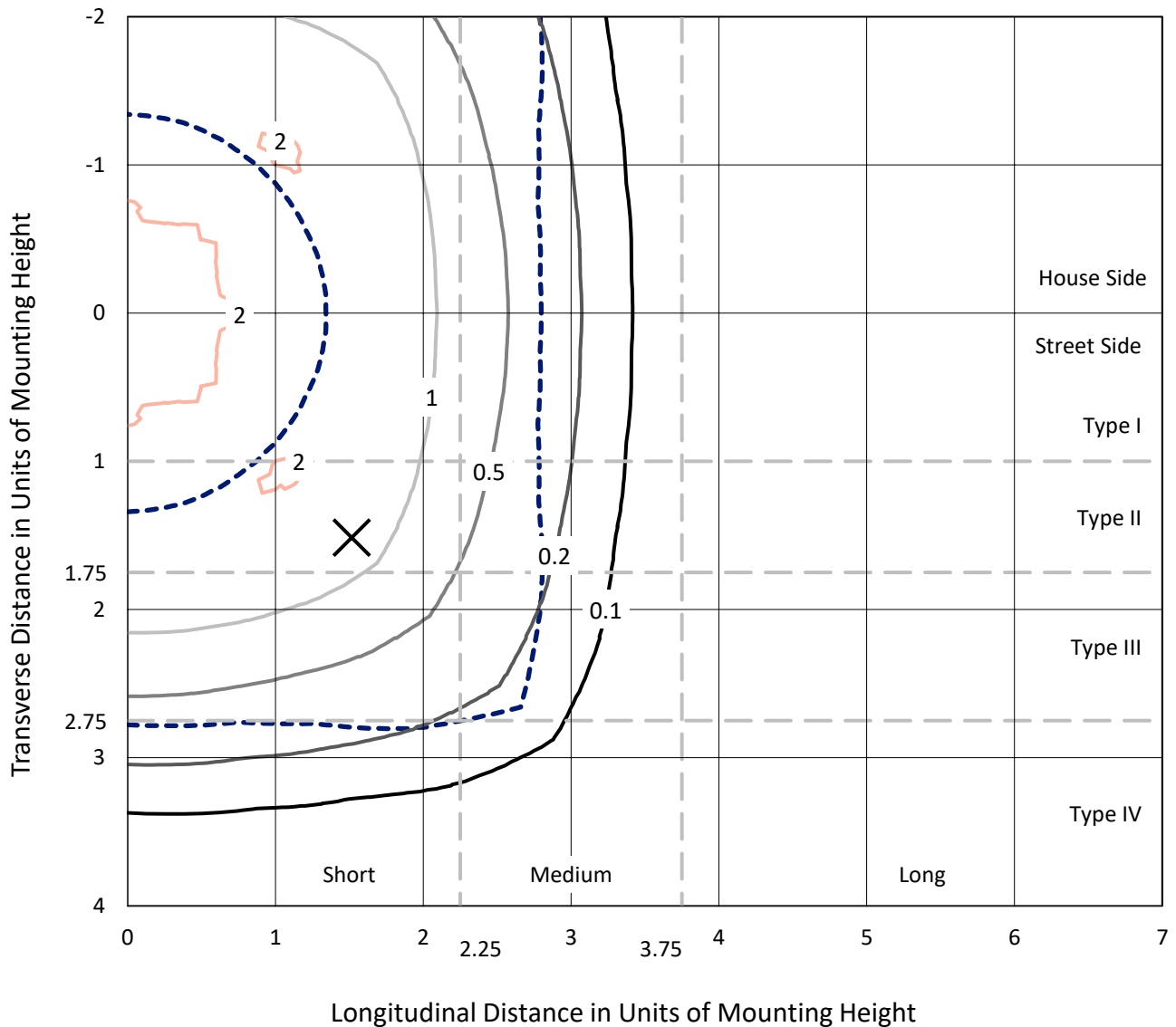
Lumens per Lamp: N/A
Luminaire Lumens: 34560.8 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 368.2
Input Voltage (V): 120
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

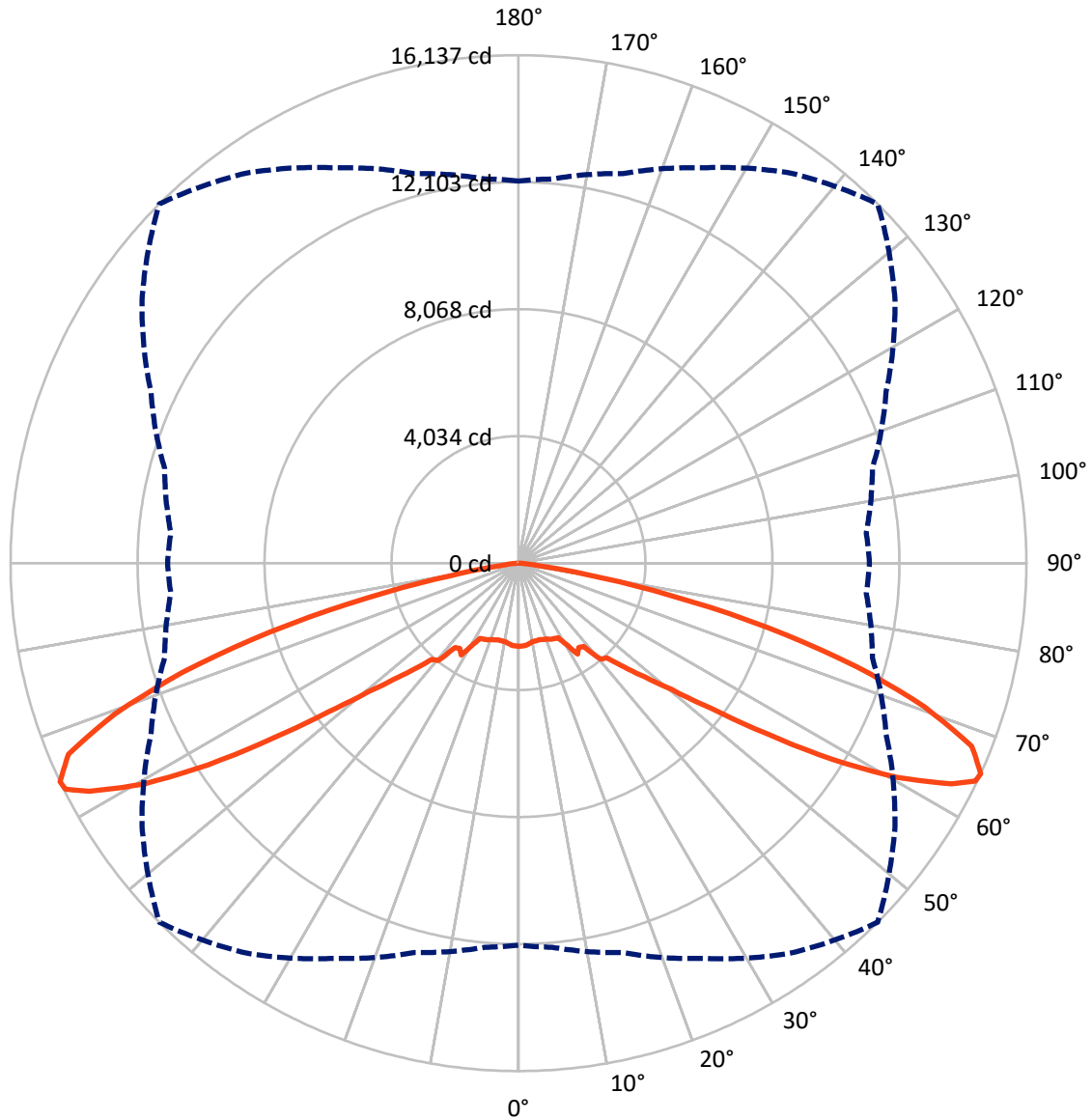
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.9 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	17280.4	0.0	17280.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17280.4	0.0	17280.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	34560.8	0.0	34560.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.0	0.7
10°-20°	728.4	2.1
20°-30°	1260.8	3.6
30°-40°	2096.5	6.1
40°-50°	3782.4	10.9
50°-60°	8425.9	24.4
60°-70°	12557.2	36.3
70°-80°	5203.9	15.1
80°-90°	257.7	0.7
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°	34560.8	100.0
0°-180°	34560.8	100.0



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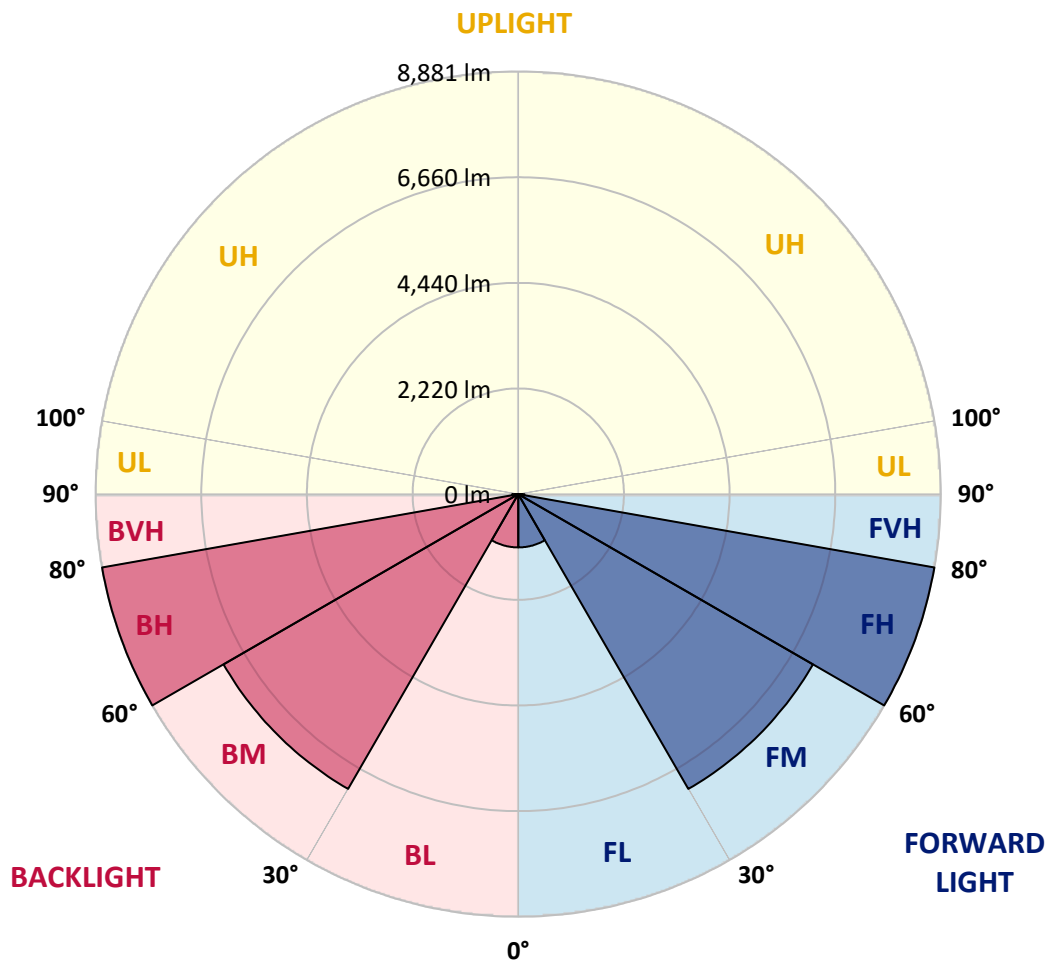
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1118.6	3.2			
FM (30°-60°)	7152.4	20.7			
FH (60°-80°)	8880.6	25.7			G4/12000
FVH (80°-90°)	128.9	0.4			G2/225
BL (0°-30°)	1118.6	3.2	B3/2500		
BM (30°-60°)	7152.4	20.7	B4/8500		
BH (60°-80°)	8880.6	25.7	B5		G4/12000
BVH (80°-90°)	128.9	0.4			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4	2642.4
2.5°	2611.8	2619.5	2615.7	2615.7	2627.1	2634.7	2638.6	2676.7	2661.5	2672.9	2661.5
5°	2619.5	2619.5	2627.1	2619.5	2627.1	2619.5	2627.1	2615.7	2627.1	2634.7	2646.2
7.5°	2604.2	2596.6	2585.1	2585.1	2581.3	2573.7	2562.2	2592.7	2577.5	2588.9	2608.0
10°	2608.0	2596.6	2558.4	2566.0	2531.6	2531.6	2539.3	2539.3	2573.7	2611.8	2623.3
12.5°	2608.0	2585.1	2573.7	2524.0	2524.0	2527.8	2546.9	2554.6	2577.5	2592.7	2630.9
15°	2608.0	2596.6	2577.5	2512.6	2527.8	2520.2	2539.3	2539.3	2588.9	2615.7	2634.7
17.5°	2623.3	2630.9	2596.6	2535.5	2539.3	2554.6	2543.1	2554.6	2615.7	2634.7	2661.5
20°	2627.1	2596.6	2585.1	2546.9	2581.3	2573.7	2569.8	2592.7	2611.8	2646.2	2676.7
22.5°	2619.5	2630.9	2585.1	2581.3	2611.8	2627.1	2634.7	2608.0	2630.9	2653.8	2680.6
25°	2684.4	2642.4	2630.9	2623.3	2638.6	2653.8	2646.2	2669.1	2669.1	2695.8	2730.2
27.5°	2860.0	2863.9	2840.9	2749.3	2718.8	2684.4	2699.7	2760.8	2833.3	2890.6	2902.0
30°	2940.2	2955.5	3016.6	3001.3	2989.9	3001.3	2997.5	3012.8	3020.4	3024.2	3012.8
32.5°	3012.8	3005.1	2978.4	3047.1	3272.4	3444.3	3280.1	3054.8	3005.1	2989.9	3005.1
35°	3276.2	3276.2	3219.0	3131.1	3249.5	3291.5	3215.2	3108.2	3169.3	3295.3	3303.0
37.5°	3616.1	3566.5	3589.4	3577.9	3448.1	3356.4	3490.1	3558.8	3570.3	3566.5	3604.6
40°	3818.5	3784.1	3749.7	3810.8	3929.2	4013.2	3894.8	3730.6	3772.7	3856.7	3822.3
42.5°	4280.5	4192.7	4200.3	4139.2	4135.4	4108.7	4081.9	4093.4	4154.5	4250.0	4265.2
45°	4754.0	4796.0	4769.3	4654.7	4708.2	4708.2	4631.8	4689.1	4719.6	4830.4	4845.6
47.5°	5494.8	5475.7	5487.1	5384.0	5380.2	5407.0	5380.2	5384.0	5479.5	5471.9	5429.9
50°	6361.6	6415.0	6430.3	6380.7	6319.6	6308.1	6266.1	6319.6	6376.8	6380.7	6346.3
52.5°	7560.6	7617.9	7617.9	7633.1	7709.5	7671.3	7663.7	7667.5	7556.8	7480.4	7518.6
55°	9072.7	9091.8	9156.7	9290.3	9523.3	9553.8	9408.7	9343.8	9141.4	9019.2	9114.7
57.5°	10565.7	10642.1	10821.6	11169.0	11455.4	11768.5	11348.5	10920.8	10523.7	10329.0	10363.3
60°	11806.7	11917.5	12261.1	12746.1	13540.3	13826.7	13116.5	12383.3	11577.6	10981.9	11222.5
62.5°	12390.9	12562.8	12853.0	13834.3	15025.7	15438.1	14395.6	13063.0	11841.1	11268.3	11256.9
64°	12394.8	12421.5	13001.9	14059.6	15285.3	16083.4	14704.9	13063.0	11906.0	11199.6	11329.4
65°	12138.9	12249.7	12811.0	13853.4	15121.2	16136.9	14598.0	12883.5	11638.7	11088.8	11149.9
67.5°	10978.1	10974.3	11493.6	12528.4	14288.7	15529.7	13689.2	11879.3	10978.1	10382.4	10455.0
70°	8328.1	8461.7	8958.1	10229.7	12364.2	13693.0	11970.9	10096.0	8973.4	8496.1	8469.4
72.5°	4983.1	5158.8	5792.6	7342.9	9603.5	11218.7	9500.4	7468.9	6117.2	5361.1	5380.2
75°	2272.0	2401.8	2837.1	4101.0	6399.8	8202.1	6437.9	4318.7	3096.8	2615.7	2546.9
77.5°	637.7	717.9	958.4	1882.5	3513.0	4918.2	3612.3	2081.1	1351.7	1122.6	1099.7
80°	286.4	301.7	339.8	458.2	1115.0	2168.9	1493.0	763.7	507.9	420.0	400.9
82.5°	156.6	168.0	221.5	236.7	316.9	576.6	492.6	358.9	305.5	244.4	236.7
85°	87.8	91.6	126.0	126.0	152.7	168.0	179.5	190.9	187.1	137.5	133.6
87.5°	26.7	30.5	38.2	38.2	38.2	38.2	61.1	84.0	91.6	64.9	64.9
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)