

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: P479625

Luminaire Tested: **IFLD-L-SA7B-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479625
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

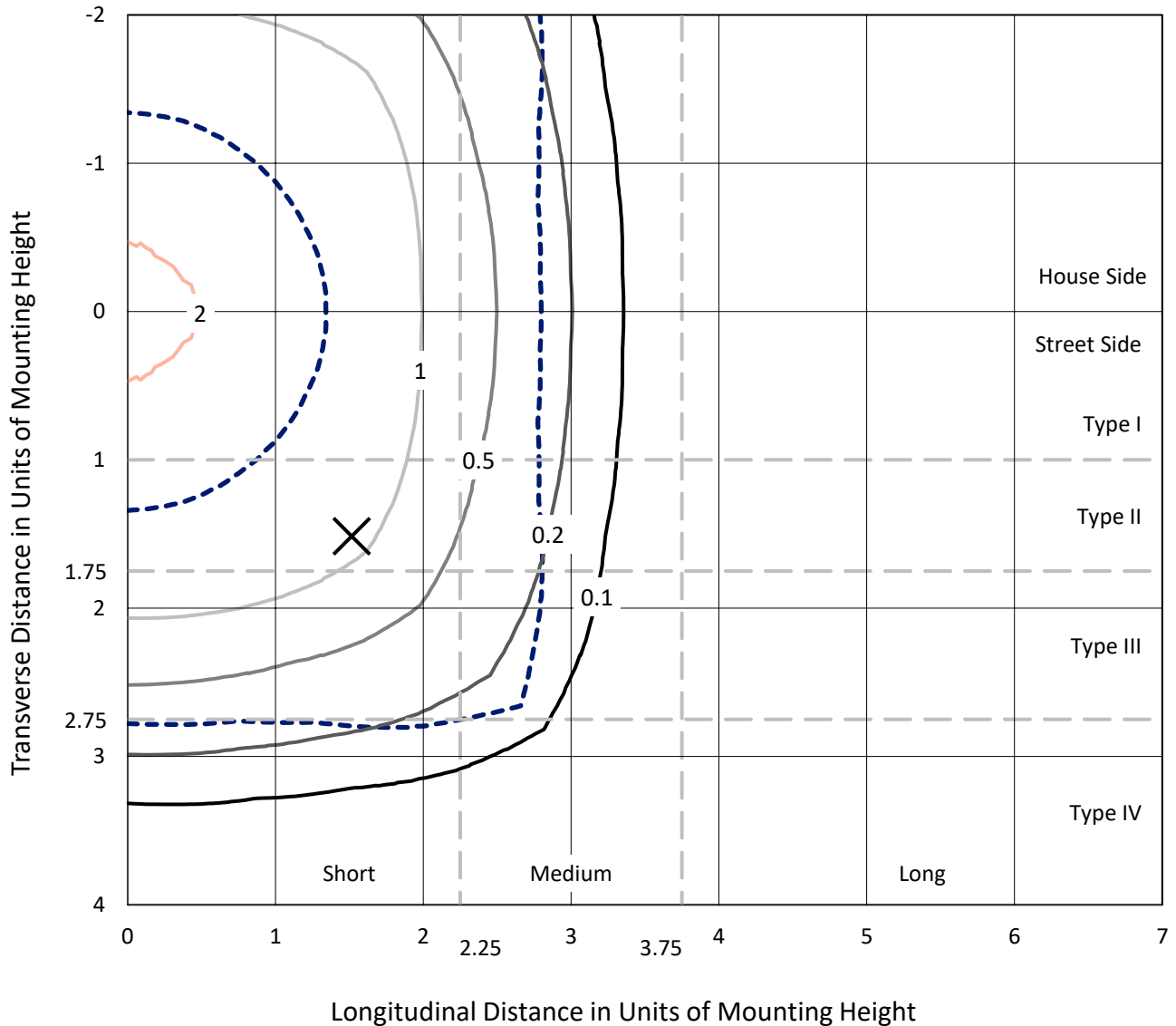
Lumens per Lamp: N/A
Luminaire Lumens: 30562.4 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 281
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

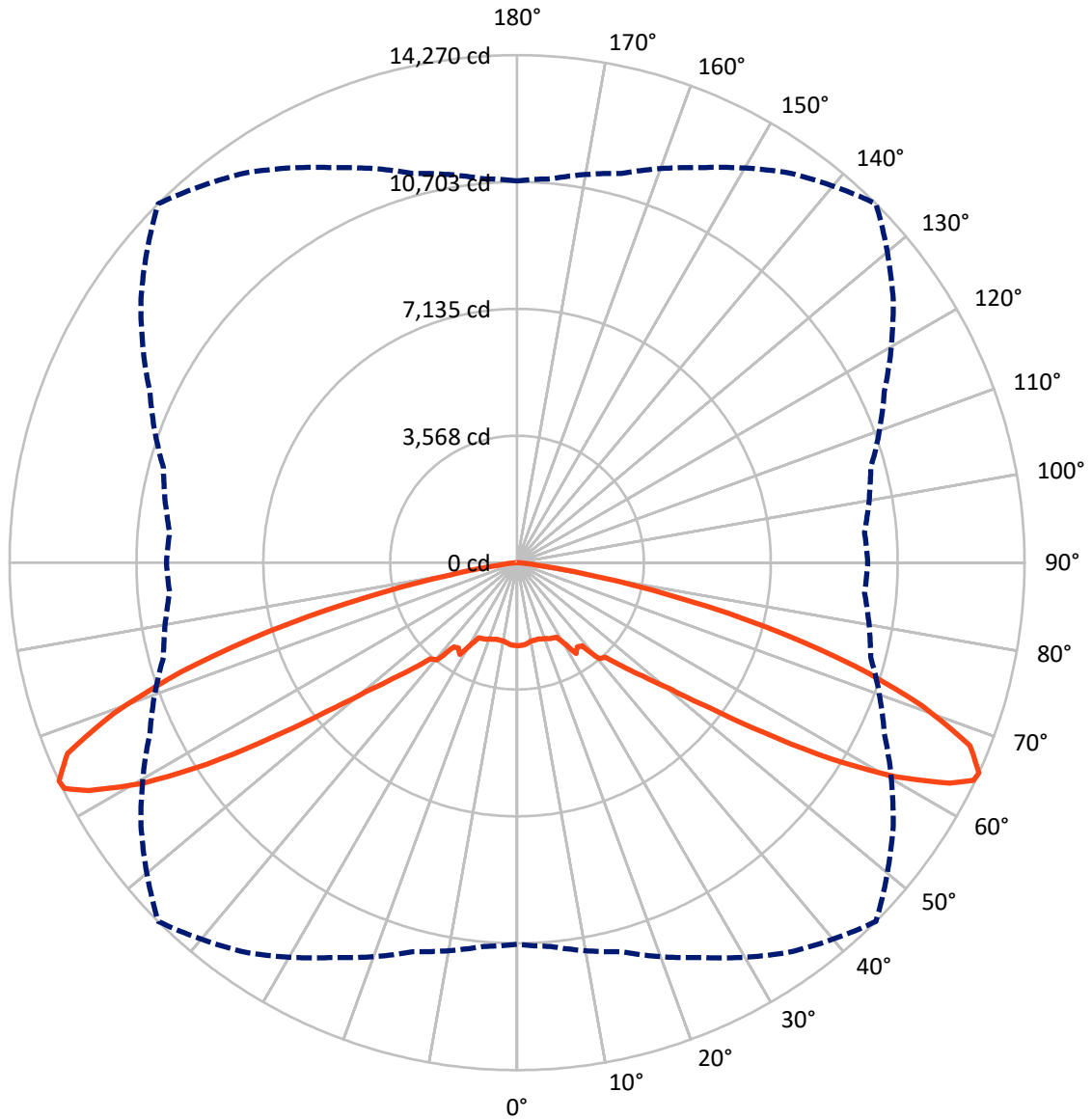
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.6 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	15281.2	0.0	15281.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15281.2	0.0	15281.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	30562.4	0.0	30562.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	0.7
10°-20°	644.1	2.1
20°-30°	1115.0	3.6
30°-40°	1853.9	6.1
40°-50°	3344.8	10.9
50°-60°	7451.1	24.4
60°-70°	11104.5	36.3
70°-80°	4601.8	15.1
80°-90°	227.9	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°	30562.4	100.0
0°-180°	30562.4	100.0



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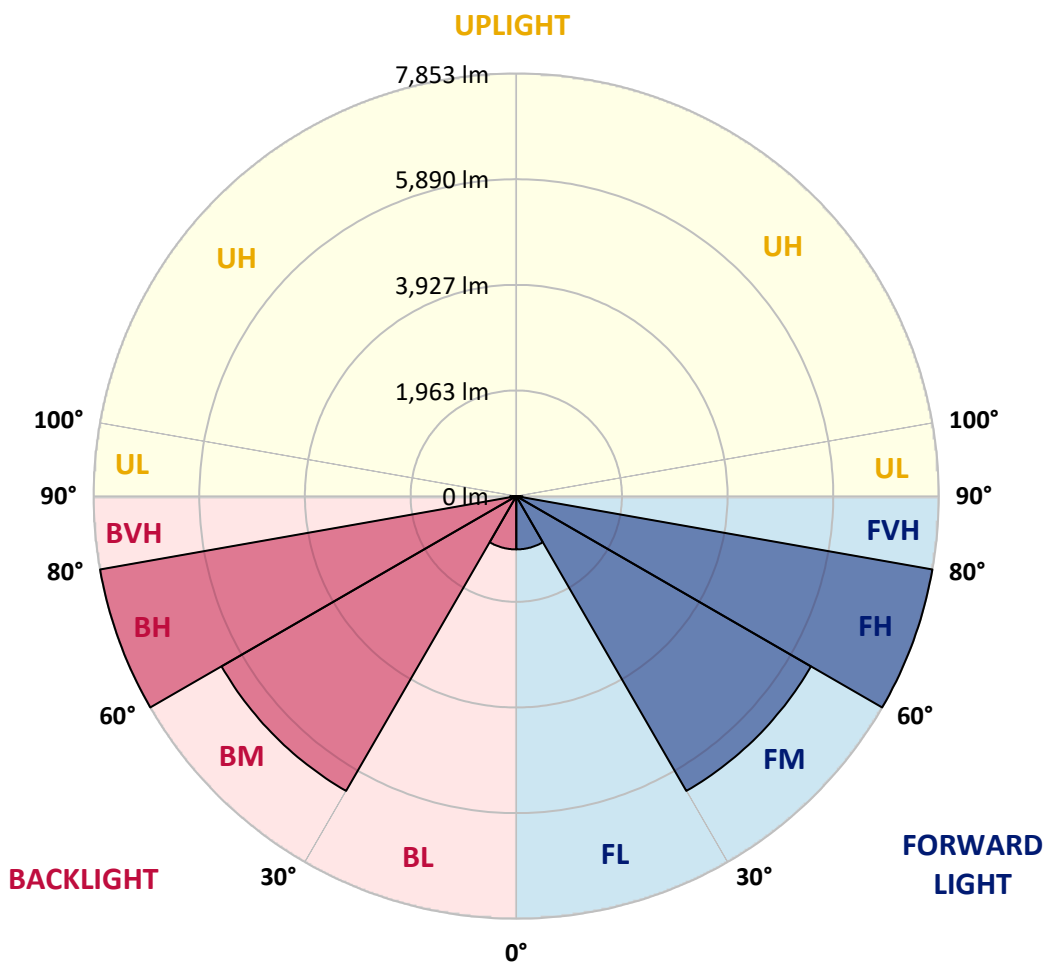
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.2	3.2			
FM (30°-60°)	6324.9	20.7			
FH (60°-80°)	7853.2	25.7			G4/12000
FVH (80°-90°)	114.0	0.4			G2/225
BL (0°-30°)	989.2	3.2	B2/1000		
BM (30°-60°)	6324.9	20.7	B4/8500		
BH (60°-80°)	7853.2	25.7	B5		G4/12000
BVH (80°-90°)	114.0	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°	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7
2.5°	2309.7	2316.4	2313.0	2313.0	2323.2	2329.9	2333.3	2367.1	2353.6	2363.7	2353.6
5°	2316.4	2316.4	2323.2	2316.4	2323.2	2316.4	2323.2	2313.0	2323.2	2329.9	2340.1
7.5°	2302.9	2296.2	2286.0	2286.0	2282.7	2275.9	2265.8	2292.8	2279.3	2289.4	2306.3
10°	2306.3	2296.2	2262.4	2269.1	2238.8	2238.8	2245.5	2245.5	2275.9	2309.7	2319.8
12.5°	2306.3	2286.0	2275.9	2232.0	2232.0	2235.4	2252.3	2259.0	2279.3	2292.8	2326.6
15°	2306.3	2296.2	2279.3	2221.9	2235.4	2228.6	2245.5	2245.5	2289.4	2313.0	2329.9
17.5°	2319.8	2326.6	2296.2	2242.1	2245.5	2259.0	2248.9	2259.0	2313.0	2329.9	2353.6
20°	2323.2	2296.2	2286.0	2252.3	2282.7	2275.9	2272.5	2292.8	2309.7	2340.1	2367.1
22.5°	2316.4	2326.6	2286.0	2282.7	2309.7	2323.2	2329.9	2306.3	2326.6	2346.8	2370.5
25°	2373.8	2336.7	2326.6	2319.8	2333.3	2346.8	2340.1	2360.3	2360.3	2384.0	2414.3
27.5°	2529.2	2532.5	2512.3	2431.2	2404.2	2373.8	2387.3	2441.4	2505.5	2556.2	2566.3
30°	2600.1	2613.6	2667.6	2654.1	2644.0	2654.1	2650.7	2664.2	2671.0	2674.4	2664.2
32.5°	2664.2	2657.5	2633.8	2694.6	2893.8	3045.8	2900.6	2701.4	2657.5	2644.0	2657.5
35°	2897.2	2897.2	2846.6	2768.9	2873.6	2910.7	2843.2	2748.6	2802.7	2914.1	2920.9
37.5°	3197.7	3153.8	3174.1	3164.0	3049.2	2968.1	3086.3	3147.1	3157.2	3153.8	3187.6
40°	3376.7	3346.3	3315.9	3370.0	3474.6	3548.9	3444.2	3299.0	3336.2	3410.5	3380.1
42.5°	3785.3	3707.6	3714.4	3660.4	3657.0	3633.3	3609.7	3619.8	3673.9	3758.3	3771.8
45°	4204.0	4241.1	4217.5	4116.2	4163.5	4163.5	4095.9	4146.6	4173.6	4271.5	4285.0
47.5°	4859.1	4842.2	4852.3	4761.2	4757.8	4781.4	4757.8	4761.2	4845.6	4838.8	4801.7
50°	5625.6	5672.9	5686.4	5642.5	5588.5	5578.3	5541.2	5588.5	5639.1	5642.5	5612.1
52.5°	6685.9	6736.5	6736.5	6750.0	6817.6	6783.8	6777.1	6780.4	6682.5	6615.0	6648.7
55°	8023.1	8039.9	8097.4	8215.5	8421.5	8448.5	8320.2	8262.8	8083.8	7975.8	8060.2
57.5°	9343.4	9410.9	9569.6	9876.9	10130.1	10407.0	10035.6	9657.4	9306.2	9134.0	9164.4
60°	10440.8	10538.7	10842.6	11271.5	11973.8	12227.1	11599.0	10950.7	10238.2	9711.4	9924.2
62.5°	10957.4	11109.4	11366.0	12233.8	13287.4	13652.0	12730.2	11551.7	10471.2	9964.7	9954.5
64°	10960.8	10984.4	11497.7	12433.0	13517.0	14222.7	13003.7	11551.7	10528.6	9903.9	10018.7
65°	10734.6	10832.5	11328.9	12250.7	13371.8	14270.0	12909.2	11393.0	10292.2	9806.0	9860.0
67.5°	9708.0	9704.7	10163.9	11079.0	12635.6	13733.1	12105.5	10504.9	9708.0	9181.3	9245.4
70°	7364.6	7482.8	7921.8	9046.2	10933.8	12108.9	10586.0	8928.0	7935.3	7513.2	7489.5
72.5°	4406.6	4561.9	5122.5	6493.4	8492.4	9920.8	8401.3	6604.8	5409.5	4740.9	4757.8
75°	2009.1	2124.0	2508.9	3626.6	5659.4	7253.2	5693.1	3819.1	2738.5	2313.0	2252.3
77.5°	563.9	634.8	847.6	1664.7	3106.6	4349.2	3194.4	1840.3	1195.4	992.8	972.5
80°	253.3	266.8	300.5	405.2	986.0	1918.0	1320.3	675.3	449.1	371.4	354.6
82.5°	138.4	148.6	195.8	209.4	280.3	509.9	435.6	317.4	270.1	216.1	209.4
85°	77.7	81.0	111.4	111.4	135.1	148.6	158.7	168.8	165.5	121.6	118.2
87.5°	23.6	27.0	33.8	33.8	33.8	33.8	54.0	74.3	81.0	57.4	57.4
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)