

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: P479588

Luminaire Tested: **IFLD-L-SA7D-722-U-5WQ**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P479588
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

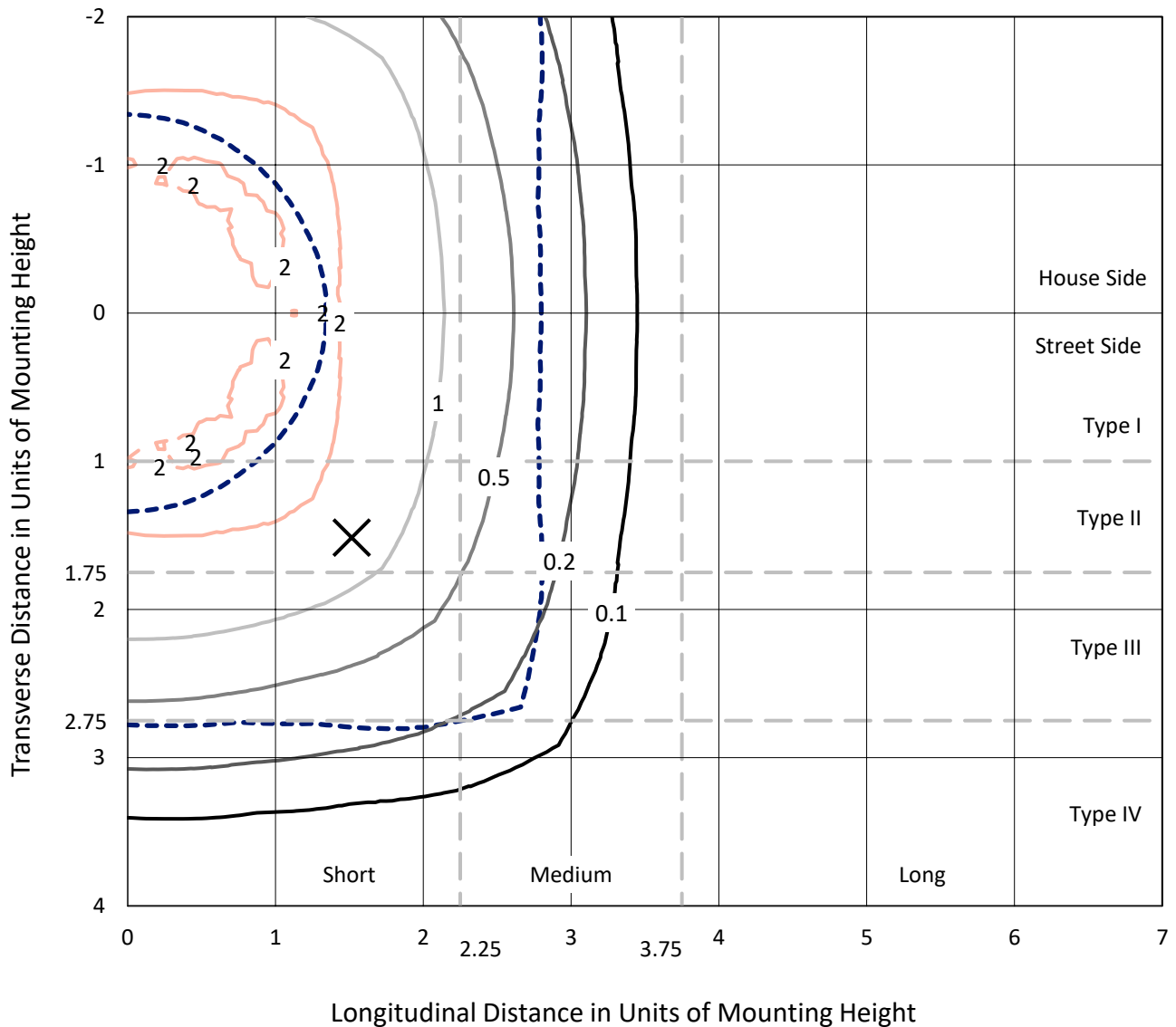
Lumens per Lamp: N/A
Luminaire Lumens: 36871.7 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 422.6
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

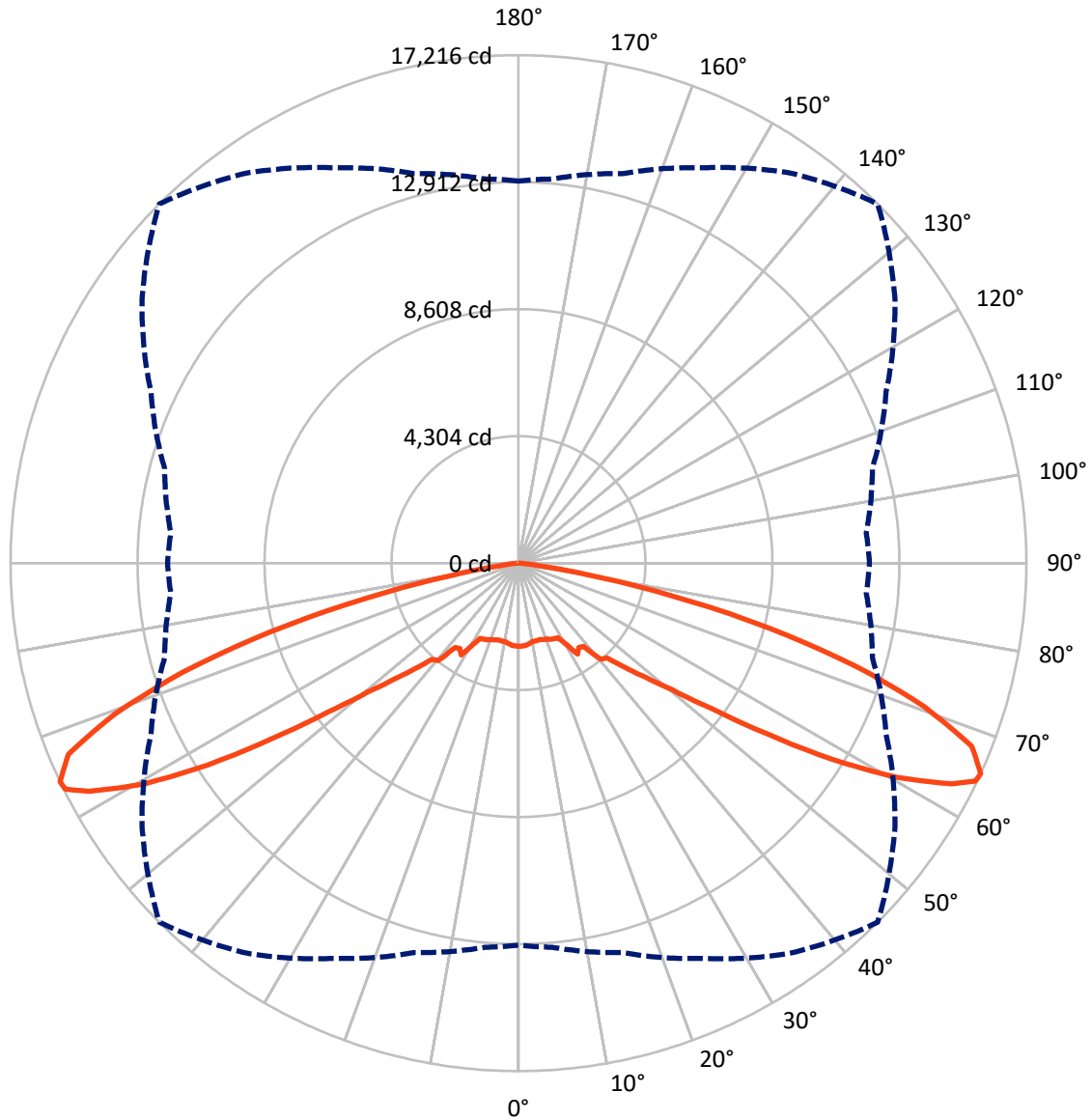
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 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	18435.9	0.0	18435.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18435.9	0.0	18435.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	36871.7	0.0	36871.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	0.7
10°-20°	777.1	2.1
20°-30°	1345.1	3.6
30°-40°	2236.7	6.1
40°-50°	4035.3	10.9
50°-60°	8989.3	24.4
60°-70°	13396.9	36.3
70°-80°	5551.8	15.1
80°-90°	275.0	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°	36871.7	100.0
0°-180°	36871.7	100.0

Coefficient of Utilization



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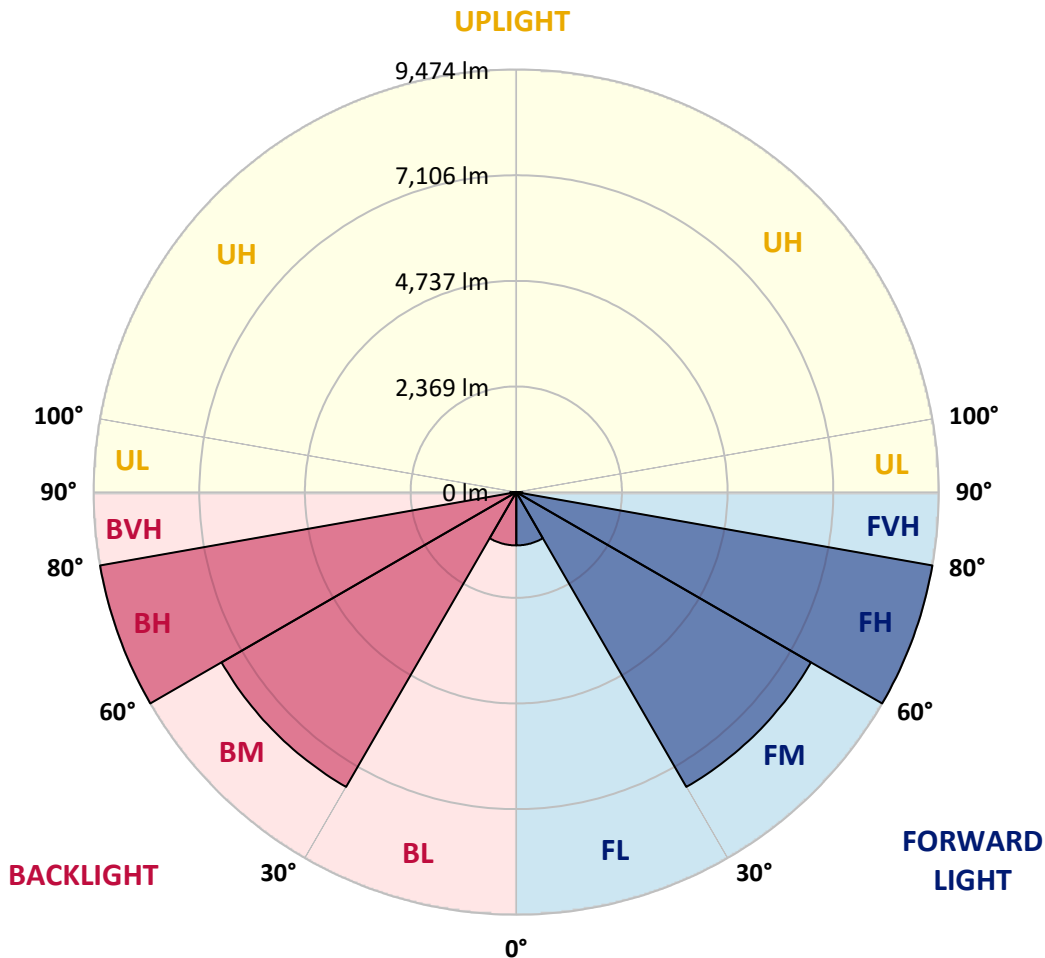
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1193.4	3.2			
FM (30°-60°)	7630.6	20.7			
FH (60°-80°)	9474.4	25.7			G4/12000
FVH (80°-90°)	137.5	0.4			G2/225
BL (0°-30°)	1193.4	3.2	B3/2500		
BM (30°-60°)	7630.6	20.7	B4/8500		
BH (60°-80°)	9474.4	25.7	B5		G4/12000
BVH (80°-90°)	137.5	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°	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1
2.5°	2786.5	2794.6	2790.6	2790.6	2802.8	2810.9	2815.0	2855.7	2839.4	2851.7	2839.4
5°	2794.6	2794.6	2802.8	2794.6	2802.8	2794.6	2802.8	2790.6	2802.8	2810.9	2823.1
7.5°	2778.3	2770.2	2758.0	2758.0	2753.9	2745.7	2733.5	2766.1	2749.8	2762.0	2782.4
10°	2782.4	2770.2	2729.4	2737.6	2700.9	2700.9	2709.1	2709.1	2745.7	2786.5	2798.7
12.5°	2782.4	2758.0	2745.7	2692.8	2692.8	2696.9	2717.2	2725.4	2749.8	2766.1	2806.8
15°	2782.4	2770.2	2749.8	2680.6	2696.9	2688.7	2709.1	2709.1	2762.0	2790.6	2810.9
17.5°	2798.7	2806.8	2770.2	2705.0	2709.1	2725.4	2713.1	2725.4	2790.6	2810.9	2839.4
20°	2802.8	2770.2	2758.0	2717.2	2753.9	2745.7	2741.7	2766.1	2786.5	2823.1	2855.7
22.5°	2794.6	2806.8	2758.0	2753.9	2786.5	2802.8	2810.9	2782.4	2806.8	2831.3	2859.8
25°	2863.9	2819.1	2806.8	2798.7	2815.0	2831.3	2823.1	2847.6	2847.6	2876.1	2912.8
27.5°	3051.3	3055.3	3030.9	2933.1	2900.5	2863.9	2880.2	2945.4	3022.8	3083.9	3096.1
30°	3136.8	3153.1	3218.3	3202.0	3189.8	3202.0	3197.9	3214.2	3222.4	3226.4	3214.2
32.5°	3214.2	3206.1	3177.6	3250.9	3491.2	3674.6	3499.4	3259.0	3206.1	3189.8	3206.1
35°	3495.3	3495.3	3434.2	3340.5	3466.8	3511.6	3430.1	3316.1	3381.3	3515.7	3523.8
37.5°	3857.9	3804.9	3829.4	3817.1	3678.6	3580.9	3723.5	3796.8	3809.0	3804.9	3845.7
40°	4073.8	4037.1	4000.5	4065.7	4191.9	4281.6	4155.3	3980.1	4024.9	4114.5	4077.9
42.5°	4566.7	4473.0	4481.2	4416.0	4411.9	4383.4	4354.9	4367.1	4432.3	4534.1	4550.4
45°	5071.9	5116.7	5088.2	4966.0	5023.0	5023.0	4941.5	5002.6	5035.2	5153.4	5169.7
47.5°	5862.2	5841.8	5854.0	5744.1	5740.0	5768.5	5740.0	5744.1	5845.9	5837.8	5792.9
50°	6786.9	6844.0	6860.3	6807.3	6742.1	6729.9	6685.1	6742.1	6803.2	6807.3	6770.7
52.5°	8066.1	8127.2	8127.2	8143.5	8225.0	8184.3	8176.1	8180.2	8062.0	7980.6	8021.3
55°	9679.3	9699.7	9769.0	9911.6	10160.1	10192.6	10037.8	9968.6	9752.7	9622.3	9724.2
57.5°	11272.2	11353.7	11545.1	11915.9	12221.4	12555.4	12107.3	11651.1	11227.4	11019.6	11056.3
60°	12596.2	12714.3	13081.0	13598.3	14445.7	14751.2	13993.5	13211.3	12351.8	11716.2	11972.9
62.5°	13219.5	13402.8	13712.4	14759.4	16030.4	16470.4	15358.2	13936.5	12632.8	12021.8	12009.6
64°	13223.6	13252.1	13871.3	14999.7	16307.4	17158.8	15688.2	13936.5	12702.1	11948.5	12087.0
65°	12950.6	13068.7	13667.6	14779.7	16132.2	17215.9	15574.1	13745.0	12416.9	11830.3	11895.5
67.5°	11712.2	11708.1	12262.1	13366.1	15244.2	16568.1	14604.6	12673.6	11712.2	11076.7	11154.1
70°	8885.0	9027.5	9557.1	10913.7	13191.0	14608.6	12771.4	10771.1	9573.4	9064.2	9035.7
72.5°	5316.3	5503.7	6180.0	7833.9	10245.6	11968.8	10135.6	7968.4	6526.2	5719.6	5740.0
75°	2423.9	2562.4	3026.8	4375.3	6827.7	8750.5	6868.4	4607.5	3303.9	2790.6	2717.2
77.5°	680.3	765.9	1022.5	2008.4	3747.9	5247.1	3853.8	2220.2	1442.1	1197.7	1173.3
80°	305.5	321.8	362.6	488.9	1189.5	2313.9	1592.9	814.8	541.8	448.1	427.7
82.5°	167.0	179.2	236.3	252.6	338.1	615.1	525.5	382.9	325.9	260.7	252.6
85°	93.7	97.8	134.4	134.4	163.0	179.2	191.5	203.7	199.6	146.7	142.6
87.5°	28.5	32.6	40.7	40.7	40.7	40.7	65.2	89.6	97.8	69.3	69.3
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)