

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: P479663

Luminaire Tested: **IFLD-L-SA7A-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479663
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

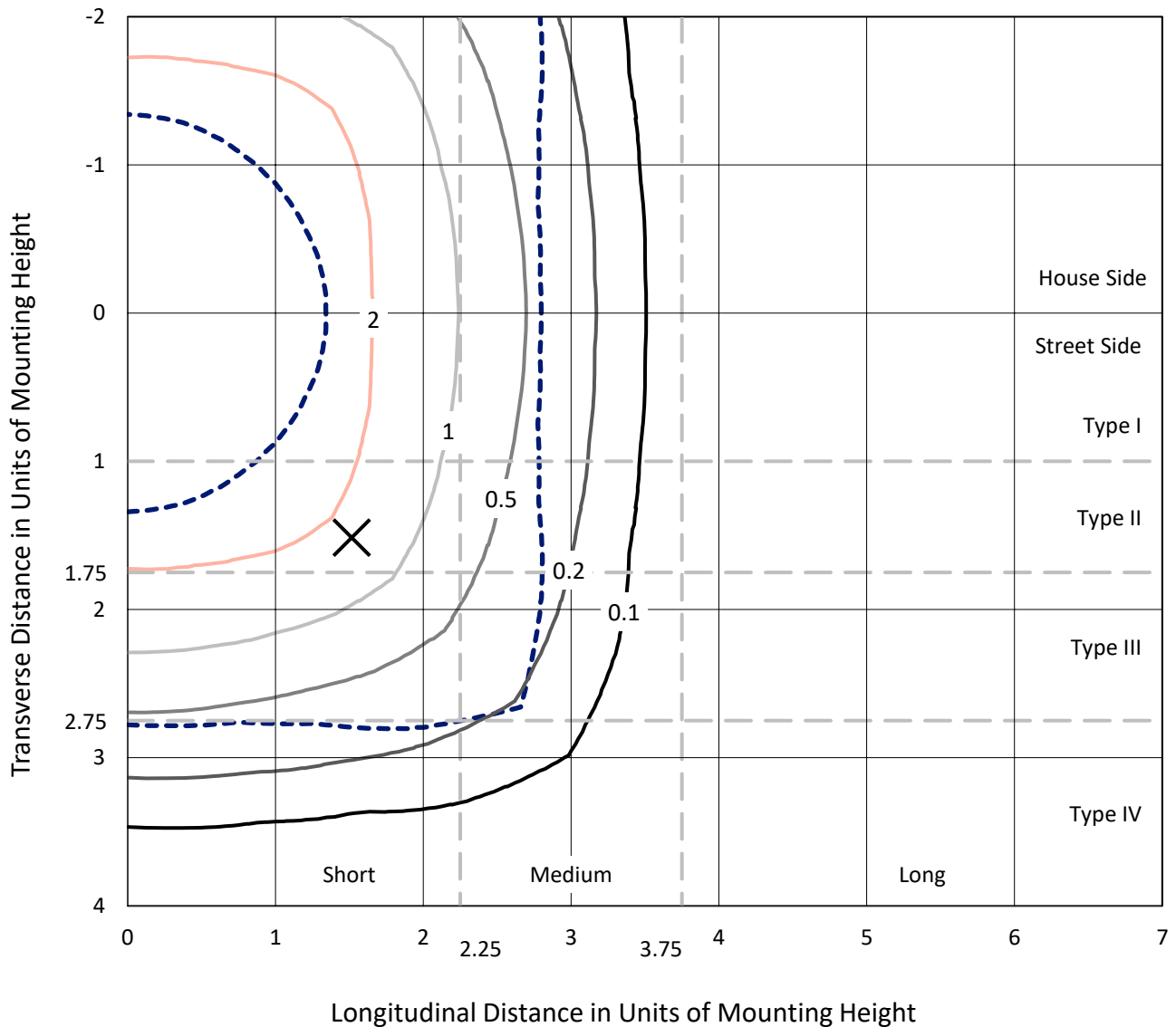
Lumens per Lamp: N/A
Luminaire Lumens: 29248.8 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 217.6
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

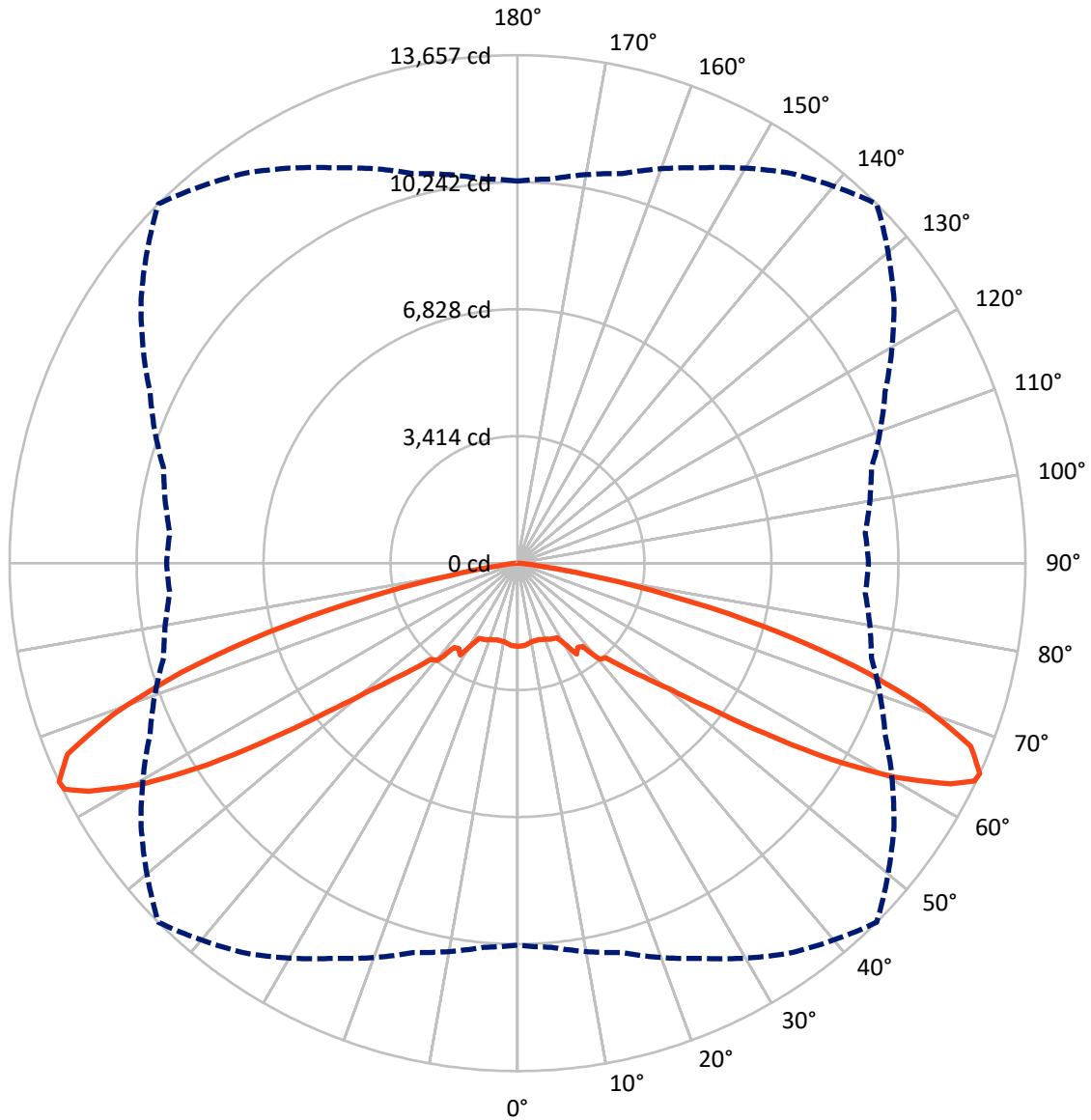
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	14624.4	0.0	14624.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14624.4	0.0	14624.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	29248.8	0.0	29248.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	0.7
10°-20°	616.4	2.1
20°-30°	1067.0	3.6
30°-40°	1774.2	6.1
40°-50°	3201.0	10.9
50°-60°	7130.8	24.4
60°-70°	10627.2	36.3
70°-80°	4404.0	15.1
80°-90°	218.1	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°	29248.8	100.0
0°-180°	29248.8	100.0

Coefficient of Utilization



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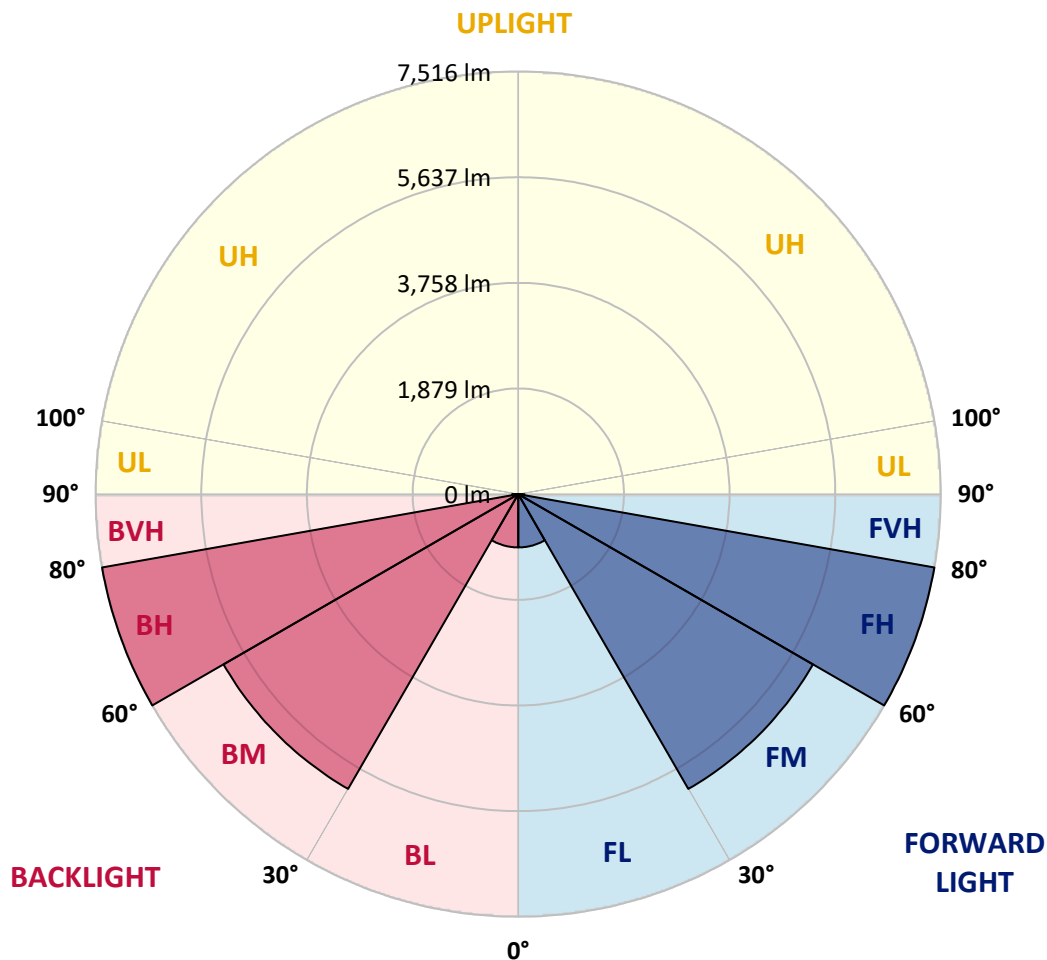
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.7	3.2			
FM (30°-60°)	6053.0	20.7			
FH (60°-80°)	7515.6	25.7			G4/12000
FVH (80°-90°)	109.1	0.4			G2/225
BL (0°-30°)	946.7	3.2	B2/1000		
BM (30°-60°)	6053.0	20.7	B4/8500		
BH (60°-80°)	7515.6	25.7	B5		G4/12000
BVH (80°-90°)	109.1	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°	2236.2	2236.2	2236.2	2236.2	2236.2	2236.2	2236.2	2236.2	2236.2	2236.2	2236.2
2.5°	2210.4	2216.9	2213.6	2213.6	2223.3	2229.8	2233.0	2265.3	2252.4	2262.1	2252.4
5°	2216.9	2216.9	2223.3	2216.9	2223.3	2216.9	2223.3	2213.6	2223.3	2229.8	2239.5
7.5°	2203.9	2197.5	2187.8	2187.8	2184.5	2178.1	2168.4	2194.2	2181.3	2191.0	2207.2
10°	2207.2	2197.5	2165.2	2171.6	2142.5	2142.5	2149.0	2149.0	2178.1	2210.4	2220.1
12.5°	2207.2	2187.8	2178.1	2136.1	2136.1	2139.3	2155.5	2161.9	2181.3	2194.2	2226.6
15°	2207.2	2197.5	2181.3	2126.4	2139.3	2132.8	2149.0	2149.0	2191.0	2213.6	2229.8
17.5°	2220.1	2226.6	2197.5	2145.8	2149.0	2161.9	2152.2	2161.9	2213.6	2229.8	2252.4
20°	2223.3	2197.5	2187.8	2155.5	2184.5	2178.1	2174.8	2194.2	2210.4	2239.5	2265.3
22.5°	2216.9	2226.6	2187.8	2184.5	2210.4	2223.3	2229.8	2207.2	2226.6	2245.9	2268.6
25°	2271.8	2236.2	2226.6	2220.1	2233.0	2245.9	2239.5	2258.9	2258.9	2281.5	2310.6
27.5°	2420.4	2423.7	2404.3	2326.7	2300.9	2271.8	2284.7	2336.4	2397.8	2446.3	2456.0
30°	2488.3	2501.2	2552.9	2540.0	2530.3	2540.0	2536.8	2549.7	2556.2	2559.4	2549.7
32.5°	2549.7	2543.2	2520.6	2578.8	2769.5	2914.9	2775.9	2585.3	2543.2	2530.3	2543.2
35°	2772.7	2772.7	2724.2	2649.9	2750.1	2785.6	2721.0	2630.5	2682.2	2788.8	2795.3
37.5°	3060.3	3018.3	3037.7	3028.0	2918.1	2840.5	2953.7	3011.8	3021.5	3018.3	3050.6
40°	3231.6	3202.5	3173.4	3225.1	3325.3	3396.4	3296.2	3157.2	3192.8	3263.9	3234.8
42.5°	3622.6	3548.3	3554.7	3503.0	3499.8	3477.2	3454.5	3464.2	3515.9	3596.7	3609.7
45°	4023.3	4058.9	4036.2	3939.3	3984.5	3984.5	3919.9	3968.4	3994.2	4087.9	4100.9
47.5°	4650.2	4634.1	4643.8	4556.5	4553.3	4575.9	4553.3	4556.5	4637.3	4630.8	4595.3
50°	5383.8	5429.0	5442.0	5400.0	5348.2	5338.6	5303.0	5348.2	5396.7	5400.0	5370.9
52.5°	6398.5	6447.0	6447.0	6459.9	6524.5	6492.2	6485.8	6489.0	6395.3	6330.6	6363.0
55°	7678.2	7694.4	7749.3	7862.4	8059.5	8085.4	7962.6	7907.7	7736.4	7633.0	7713.8
57.5°	8941.8	9006.4	9158.3	9452.3	9694.7	9959.7	9604.2	9242.3	8906.2	8741.4	8770.5
60°	9992.0	10085.7	10376.6	10787.0	11459.1	11701.5	11100.4	10480.0	9798.1	9294.0	9497.6
62.5°	10486.4	10631.9	10877.5	11708.0	12716.2	13065.2	12183.0	11055.2	10021.1	9536.4	9526.7
64°	10489.7	10512.3	11003.5	11898.6	12936.0	13611.4	12444.8	11055.2	10076.0	9478.2	9588.1
65°	10273.2	10366.9	10841.9	11724.1	12797.0	13656.6	12354.3	10903.3	9849.8	9384.5	9436.2
67.5°	9290.8	9287.5	9727.0	10602.8	12092.5	13142.8	11585.2	10053.4	9290.8	8786.6	8848.0
70°	7048.1	7161.2	7581.3	8657.4	10463.8	11588.4	10131.0	8544.3	7594.2	7190.2	7167.6
72.5°	4217.2	4365.9	4902.3	6214.3	8127.4	9494.4	8040.1	6321.0	5177.0	4537.1	4553.3
75°	1922.8	2032.7	2401.1	3470.7	5416.1	6941.4	5448.4	3654.9	2620.8	2213.6	2155.5
77.5°	539.7	607.5	811.1	1593.2	2973.0	4162.3	3057.1	1761.2	1144.0	950.1	930.7
80°	242.4	255.3	287.6	387.8	943.6	1835.5	1263.5	646.3	429.8	355.5	339.3
82.5°	132.5	142.2	187.4	200.4	268.2	488.0	416.9	303.8	258.5	206.8	200.4
85°	74.3	77.6	106.6	106.6	129.3	142.2	151.9	161.6	158.3	116.3	113.1
87.5°	22.6	25.9	32.3	32.3	32.3	32.3	51.7	71.1	77.6	54.9	54.9
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)