

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: P479720

Luminaire Tested: **IFLD-S-SA3E-740-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479720  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-740-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

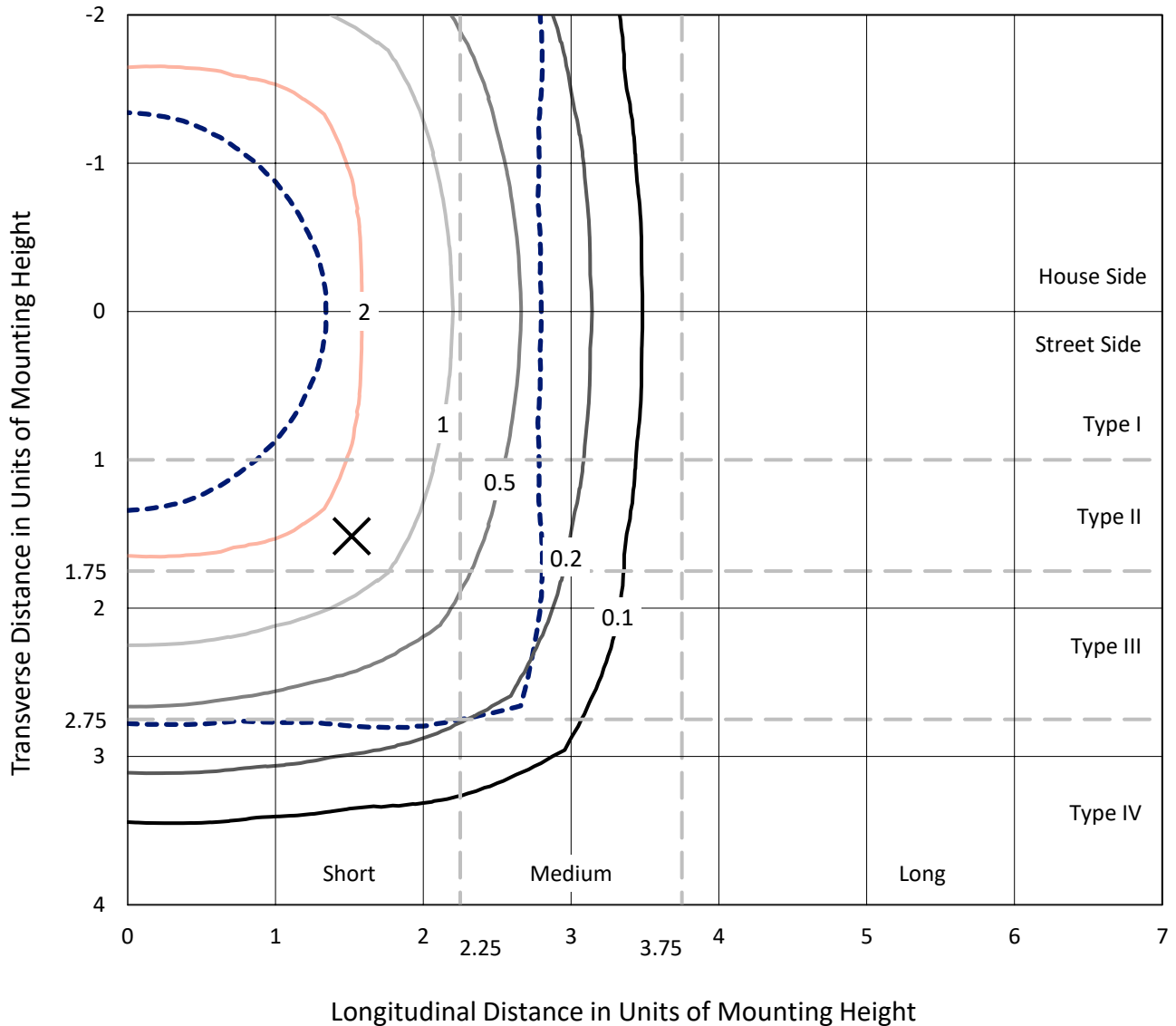
Lumens per Lamp: N/A  
Luminaire Lumens: 27679.8 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 232.1  
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

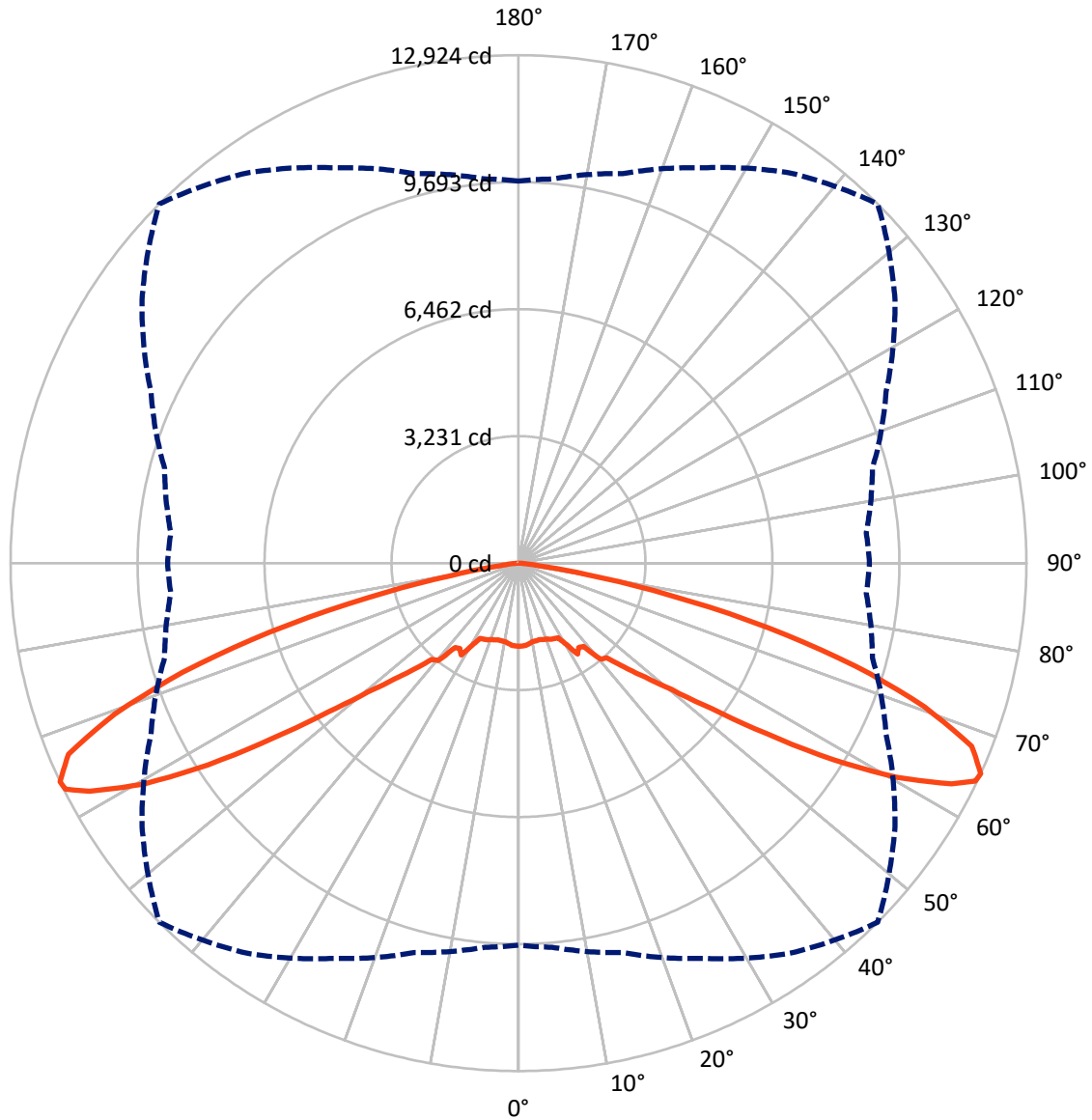
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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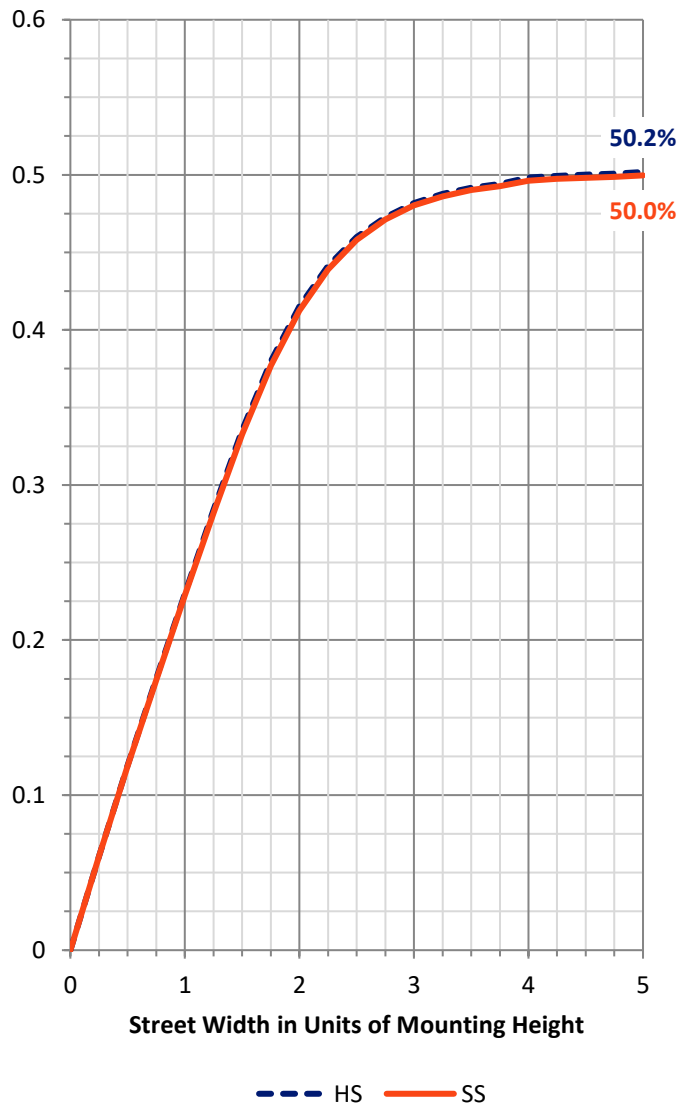
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13839.9	0.0	13839.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13839.9	0.0	13839.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27679.8	0.0	27679.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.6	0.7
10°-20°	583.4	2.1
20°-30°	1009.8	3.6
30°-40°	1679.1	6.1
40°-50°	3029.3	10.9
50°-60°	6748.3	24.4
60°-70°	10057.1	36.3
70°-80°	4167.8	15.1
80°-90°	206.4	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°	27679.8	100.0
0°-180°	27679.8	100.0

**Coefficient of Utilization**



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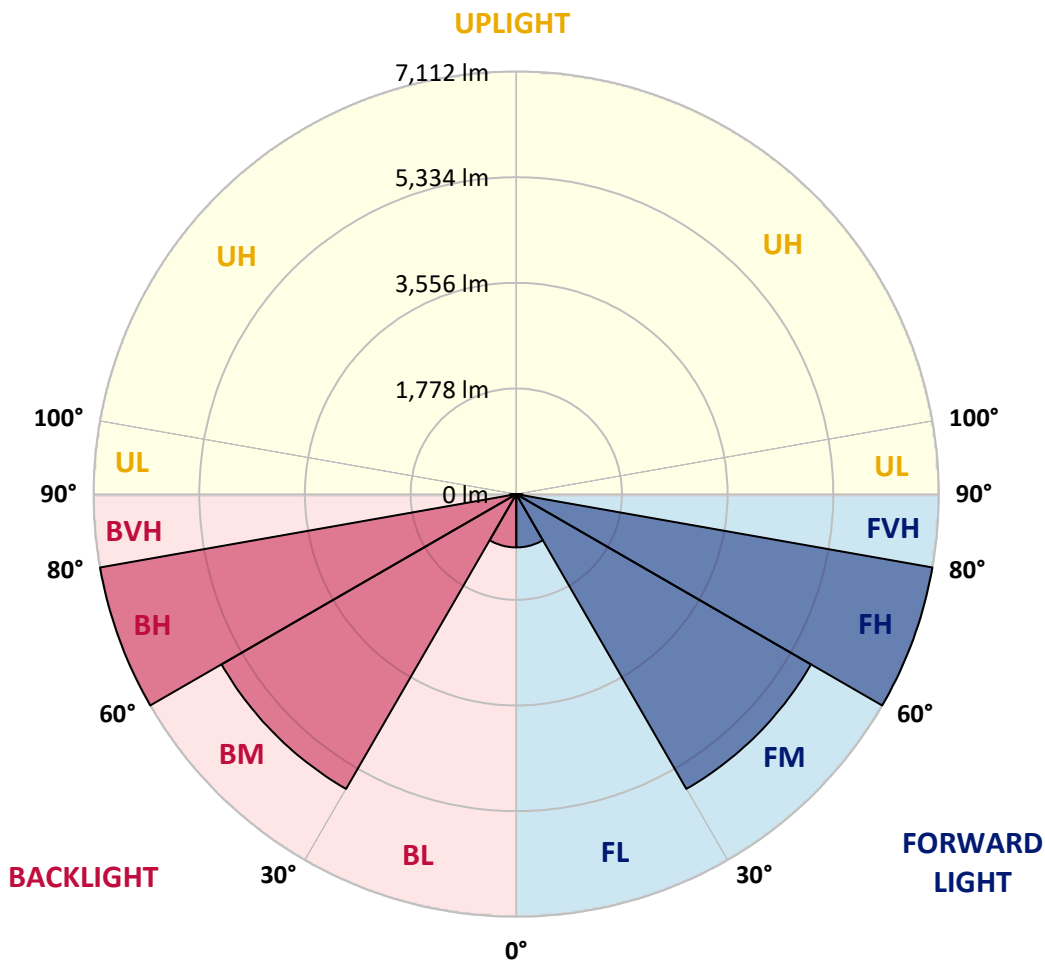
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.9	3.2			
FM (30°-60°)	5728.3	20.7			
FH (60°-80°)	7112.5	25.7			G3/7500
FVH (80°-90°)	103.2	0.4			G2/225
BL (0°-30°)	895.9	3.2	B2/1000		
BM (30°-60°)	5728.3	20.7	B4/8500		
BH (60°-80°)	7112.5	25.7	B5		G3/7500
BVH (80°-90°)	103.2	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3
2.5°	2091.8	2097.9	2094.9	2094.9	2104.1	2110.2	2113.2	2143.8	2131.6	2140.8	2131.6
5°	2097.9	2097.9	2104.1	2097.9	2104.1	2097.9	2104.1	2094.9	2104.1	2110.2	2119.3
7.5°	2085.7	2079.6	2070.4	2070.4	2067.4	2061.2	2052.1	2076.5	2064.3	2073.5	2088.8
10°	2088.8	2079.6	2049.0	2055.1	2027.6	2027.6	2033.7	2033.7	2061.2	2091.8	2101.0
12.5°	2088.8	2070.4	2061.2	2021.5	2021.5	2024.5	2039.8	2046.0	2064.3	2076.5	2107.1
15°	2088.8	2079.6	2064.3	2012.3	2024.5	2018.4	2033.7	2033.7	2073.5	2094.9	2110.2
17.5°	2101.0	2107.1	2079.6	2030.7	2033.7	2046.0	2036.8	2046.0	2094.9	2110.2	2131.6
20°	2104.1	2079.6	2070.4	2039.8	2067.4	2061.2	2058.2	2076.5	2091.8	2119.3	2143.8
22.5°	2097.9	2107.1	2070.4	2067.4	2091.8	2104.1	2110.2	2088.8	2107.1	2125.5	2146.9
25°	2149.9	2116.3	2107.1	2101.0	2113.2	2125.5	2119.3	2137.7	2137.7	2159.1	2186.6
27.5°	2290.6	2293.7	2275.3	2201.9	2177.5	2149.9	2162.2	2211.1	2269.2	2315.1	2324.2
30°	2354.8	2367.1	2416.0	2403.8	2394.6	2403.8	2400.7	2412.9	2419.1	2422.1	2412.9
32.5°	2412.9	2406.8	2385.4	2440.5	2620.9	2758.5	2627.0	2446.6	2406.8	2394.6	2406.8
35°	2624.0	2624.0	2578.1	2507.7	2602.5	2636.2	2575.0	2489.4	2538.3	2639.2	2645.4
37.5°	2896.1	2856.4	2874.7	2865.6	2761.6	2688.2	2795.2	2850.3	2859.4	2856.4	2887.0
40°	3058.2	3030.7	3003.2	3052.1	3146.9	3214.2	3119.4	2987.9	3021.5	3088.8	3061.3
42.5°	3428.3	3357.9	3364.0	3315.1	3312.1	3290.6	3269.2	3278.4	3327.3	3403.8	3416.0
45°	3807.5	3841.1	3819.7	3728.0	3770.8	3770.8	3709.6	3755.5	3780.0	3868.7	3880.9
47.5°	4400.8	4385.5	4394.7	4312.1	4309.0	4330.4	4309.0	4312.1	4388.5	4382.4	4348.8
50°	5095.0	5137.8	5150.0	5110.3	5061.4	5052.2	5018.5	5061.4	5107.2	5110.3	5082.8
52.5°	6055.3	6101.2	6101.2	6113.4	6174.6	6144.0	6137.9	6140.9	6052.2	5991.1	6021.6
55°	7266.3	7281.6	7333.6	7440.7	7627.2	7651.7	7535.5	7483.5	7321.4	7223.5	7300.0
57.5°	8462.1	8523.3	8667.0	8945.3	9174.7	9425.4	9089.0	8746.5	8428.5	8272.5	8300.0
60°	9456.0	9544.7	9820.0	10208.3	10844.5	11073.8	10505.0	9917.8	9272.5	8795.4	8988.1
62.5°	9923.9	10061.6	10294.0	11079.9	12034.1	12364.4	11529.5	10462.2	9483.5	9024.8	9015.6
64°	9927.0	9948.4	10413.2	11260.4	12242.1	12881.2	11777.2	10462.2	9535.5	8969.8	9073.7
65°	9722.1	9810.8	10260.3	11095.2	12110.6	12924.1	11691.6	10318.4	9321.5	8881.1	8930.0
67.5°	8792.4	8789.3	9205.3	10034.0	11443.9	12437.8	10963.7	9514.1	8792.4	8315.3	8373.4
70°	6670.0	6777.0	7174.6	8193.0	9902.5	10966.8	9587.5	8085.9	7186.8	6804.5	6783.1
72.5°	3991.0	4131.7	4639.3	5881.0	7691.4	8985.1	7608.9	5981.9	4899.3	4293.7	4309.0
75°	1819.6	1923.6	2272.3	3284.5	5125.6	6569.1	5156.2	3458.9	2480.2	2094.9	2039.8
77.5°	510.7	574.9	767.6	1507.7	2813.6	3939.0	2893.1	1666.7	1082.6	899.1	880.8
80°	229.4	241.6	272.2	367.0	893.0	1737.1	1195.8	611.6	406.7	336.4	321.1
82.5°	125.4	134.6	177.4	189.6	253.8	461.8	394.5	287.5	244.7	195.7	189.6
85°	70.3	73.4	100.9	100.9	122.3	134.6	143.7	152.9	149.9	110.1	107.0
87.5°	21.4	24.5	30.6	30.6	30.6	30.6	48.9	67.3	73.4	52.0	52.0
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)