

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: P479797

Luminaire Tested: **IFLD-S-SA3D-760-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479797  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-760-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

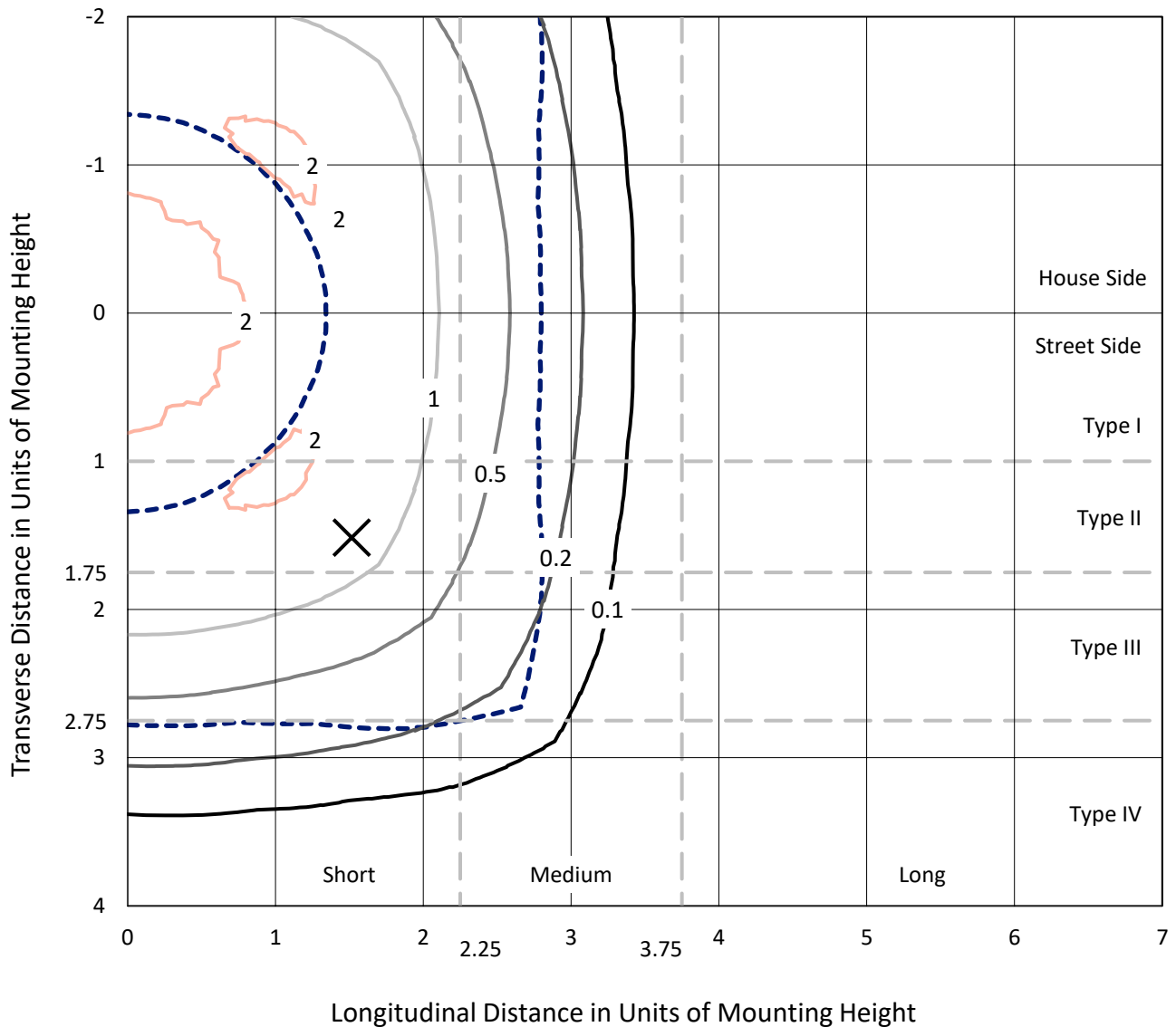
Lumens per Lamp: N/A  
Luminaire Lumens: 24465.2 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 184.1  
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

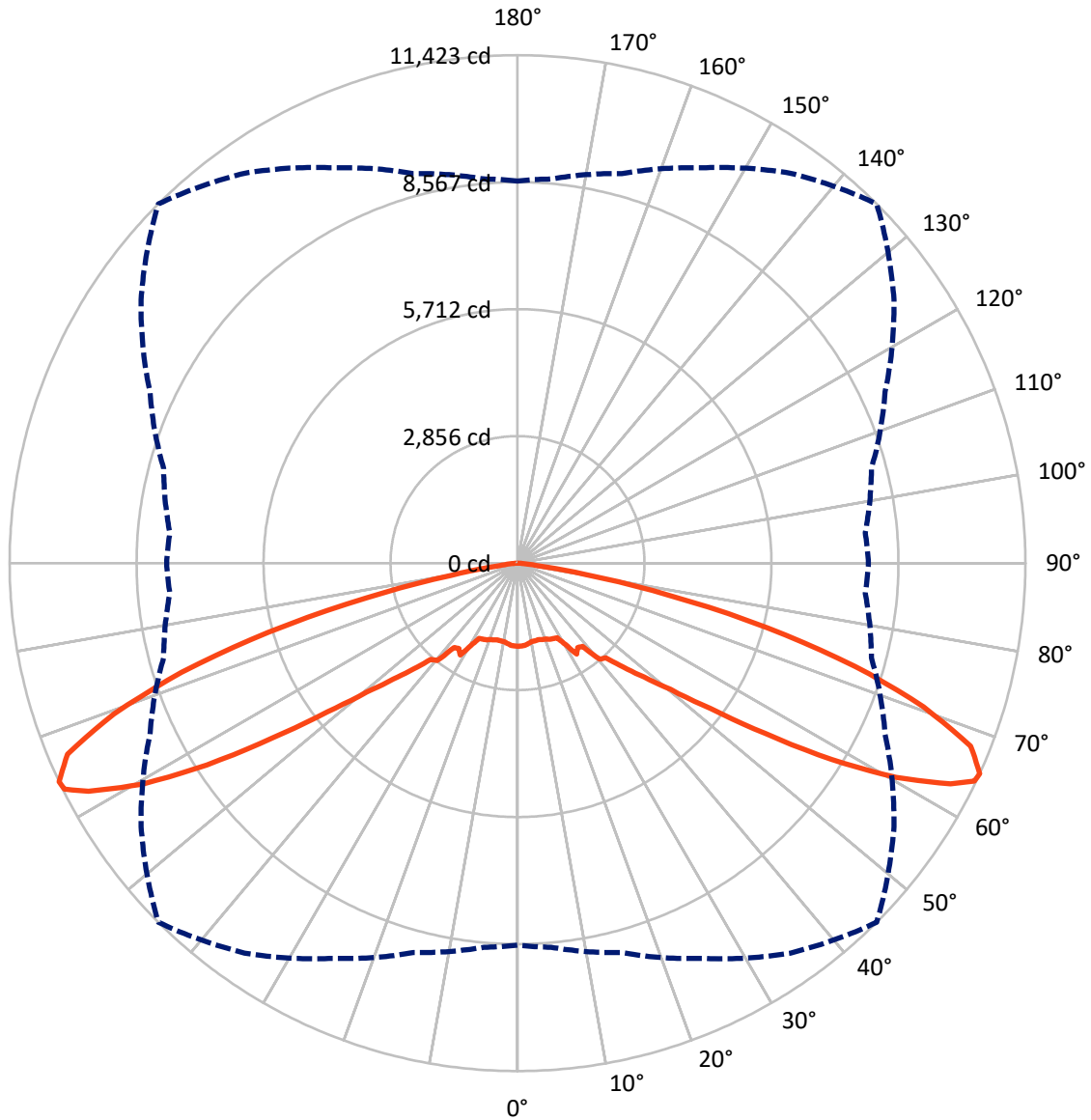
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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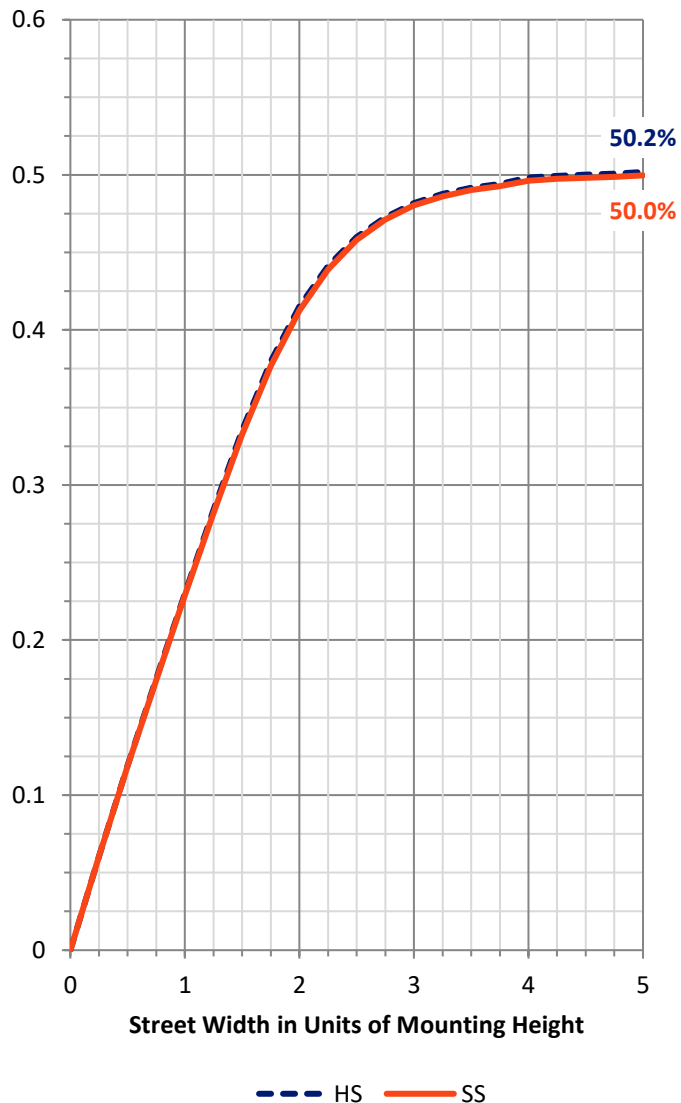
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12232.6	0.0	12232.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12232.6	0.0	12232.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24465.2	0.0	24465.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.5	0.7
10°-20°	515.6	2.1
20°-30°	892.5	3.6
30°-40°	1484.1	6.1
40°-50°	2677.5	10.9
50°-60°	5964.6	24.4
60°-70°	8889.1	36.3
70°-80°	3683.8	15.1
80°-90°	182.5	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°	24465.2	100.0
0°-180°	24465.2	100.0

**Coefficient of Utilization**



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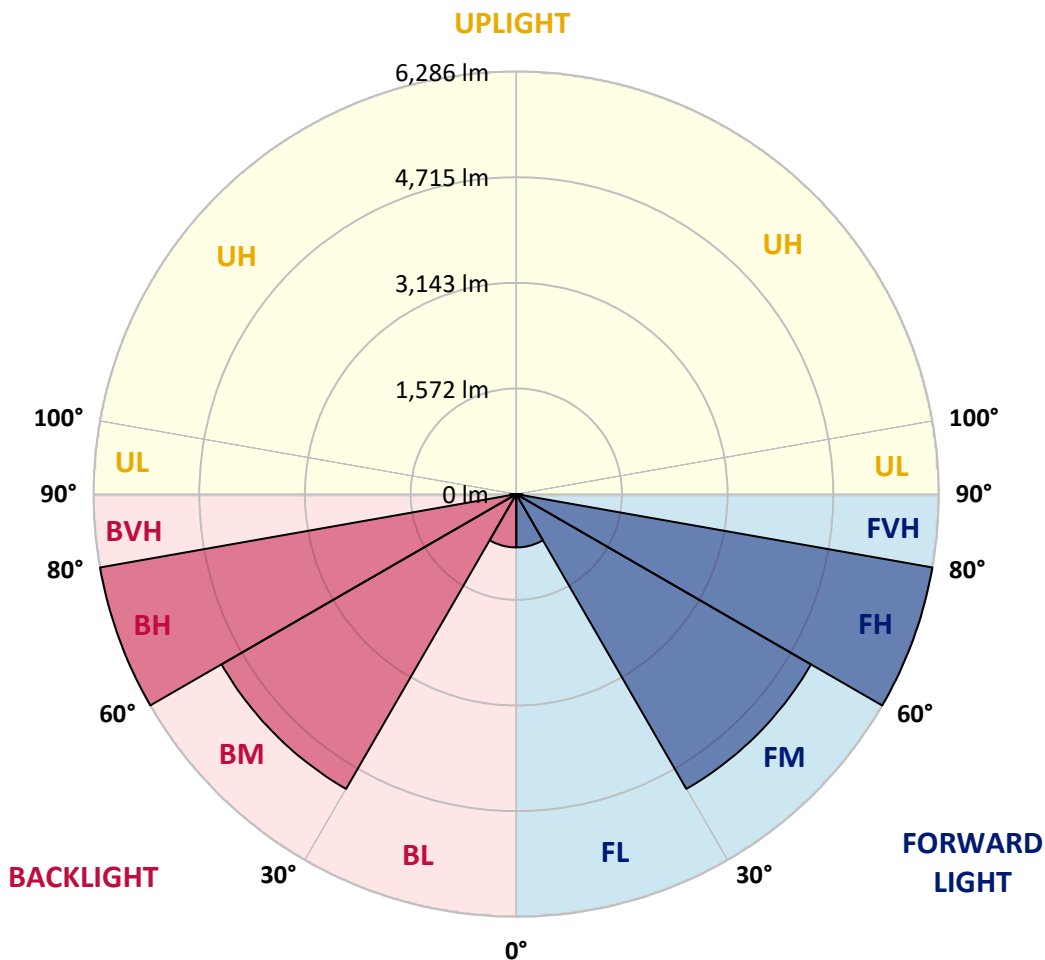
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	791.8	3.2			
FM (30°-60°)	5063.1	20.7			
FH (60°-80°)	6286.4	25.7			G3/7500
FVH (80°-90°)	91.2	0.4			G1/100
BL (0°-30°)	791.8	3.2	B2/1000		
BM (30°-60°)	5063.1	20.7	B4/8500		
BH (60°-80°)	6286.4	25.7	B5		G3/7500
BVH (80°-90°)	91.2	0.4			G1/100
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°	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5
2.5°	1848.9	1854.3	1851.6	1851.6	1859.7	1865.1	1867.8	1894.8	1884.0	1892.1	1884.0
5°	1854.3	1854.3	1859.7	1854.3	1859.7	1854.3	1859.7	1851.6	1859.7	1865.1	1873.2
7.5°	1843.5	1838.1	1830.0	1830.0	1827.3	1821.9	1813.7	1835.4	1824.6	1832.7	1846.2
10°	1846.2	1838.1	1811.0	1816.4	1792.1	1792.1	1797.5	1797.5	1821.9	1848.9	1857.0
12.5°	1846.2	1830.0	1821.9	1786.7	1786.7	1789.4	1802.9	1808.3	1824.6	1835.4	1862.4
15°	1846.2	1838.1	1824.6	1778.6	1789.4	1784.0	1797.5	1797.5	1832.7	1851.6	1865.1
17.5°	1857.0	1862.4	1838.1	1794.8	1797.5	1808.3	1800.2	1808.3	1851.6	1865.1	1884.0
20°	1859.7	1838.1	1830.0	1802.9	1827.3	1821.9	1819.2	1835.4	1848.9	1873.2	1894.8
22.5°	1854.3	1862.4	1830.0	1827.3	1848.9	1859.7	1865.1	1846.2	1862.4	1878.6	1897.5
25°	1900.2	1870.5	1862.4	1857.0	1867.8	1878.6	1873.2	1889.4	1889.4	1908.4	1932.7
27.5°	2024.6	2027.3	2011.1	1946.2	1924.6	1900.2	1911.1	1954.3	2005.7	2046.2	2054.3
30°	2081.3	2092.2	2135.4	2124.6	2116.5	2124.6	2121.9	2132.7	2138.1	2140.8	2132.7
32.5°	2132.7	2127.3	2108.4	2157.0	2316.5	2438.2	2321.9	2162.4	2127.3	2116.5	2127.3
35°	2319.2	2319.2	2278.7	2216.5	2300.3	2330.0	2276.0	2200.3	2243.5	2332.7	2338.1
37.5°	2559.8	2524.6	2540.9	2532.8	2440.9	2376.0	2470.6	2519.2	2527.4	2524.6	2551.7
40°	2703.0	2678.7	2654.4	2697.6	2781.4	2840.9	2757.1	2640.9	2670.6	2730.1	2705.8
42.5°	3030.1	2967.9	2973.4	2930.1	2927.4	2908.5	2889.6	2897.7	2940.9	3008.5	3019.3
45°	3365.3	3395.0	3376.1	3295.0	3332.9	3332.9	3278.8	3319.3	3341.0	3419.4	3430.2
47.5°	3889.7	3876.2	3884.3	3811.3	3808.6	3827.5	3808.6	3811.3	3878.9	3873.5	3843.7
50°	4503.3	4541.1	4551.9	4516.8	4473.5	4465.4	4435.7	4473.5	4514.1	4516.8	4492.5
52.5°	5352.0	5392.6	5392.6	5403.4	5457.5	5430.4	5425.0	5427.7	5349.3	5295.3	5322.3
55°	6422.4	6436.0	6481.9	6576.5	6741.4	6763.0	6660.3	6614.4	6471.1	6384.6	6452.2
57.5°	7479.3	7533.4	7660.4	7906.4	8109.1	8330.8	8033.5	7730.7	7449.6	7311.7	7336.1
60°	8357.8	8436.2	8679.5	9022.8	9585.0	9787.7	9285.0	8766.0	8195.6	7774.0	7944.3
62.5°	8771.4	8893.0	9098.5	9793.1	10636.5	10928.4	10190.5	9247.1	8382.2	7976.7	7968.6
64°	8774.1	8793.0	9203.9	9952.6	10820.3	11385.2	10409.4	9247.1	8428.1	7928.0	8019.9
65°	8593.0	8671.4	9068.7	9806.7	10704.1	11423.1	10333.8	9120.1	8238.9	7849.7	7892.9
67.5°	7771.3	7768.6	8136.2	8868.7	10114.8	10993.3	9690.4	8409.2	7771.3	7349.6	7401.0
70°	5895.4	5990.0	6341.4	7241.5	8752.5	9693.1	8474.1	7146.9	6352.2	6014.3	5995.4
72.5°	3527.5	3651.8	4100.5	5198.0	6798.2	7941.6	6725.2	5287.2	4330.3	3795.1	3808.6
75°	1608.3	1700.2	2008.4	2903.1	4530.3	5806.2	4557.3	3057.1	2192.2	1851.6	1802.9
77.5°	451.4	508.2	678.5	1332.6	2486.8	3481.5	2557.1	1473.2	956.9	794.7	778.5
80°	202.7	213.5	240.6	324.4	789.3	1535.3	1056.9	540.6	359.5	297.3	283.8
82.5°	110.8	118.9	156.8	167.6	224.4	408.2	348.7	254.1	216.2	173.0	167.6
85°	62.2	64.9	89.2	89.2	108.1	118.9	127.0	135.2	132.4	97.3	94.6
87.5°	18.9	21.6	27.0	27.0	27.0	27.0	43.2	59.5	64.9	46.0	46.0
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)