

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: P524163

Luminaire Tested: **IFLD-S-SA6E-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524163  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (96) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

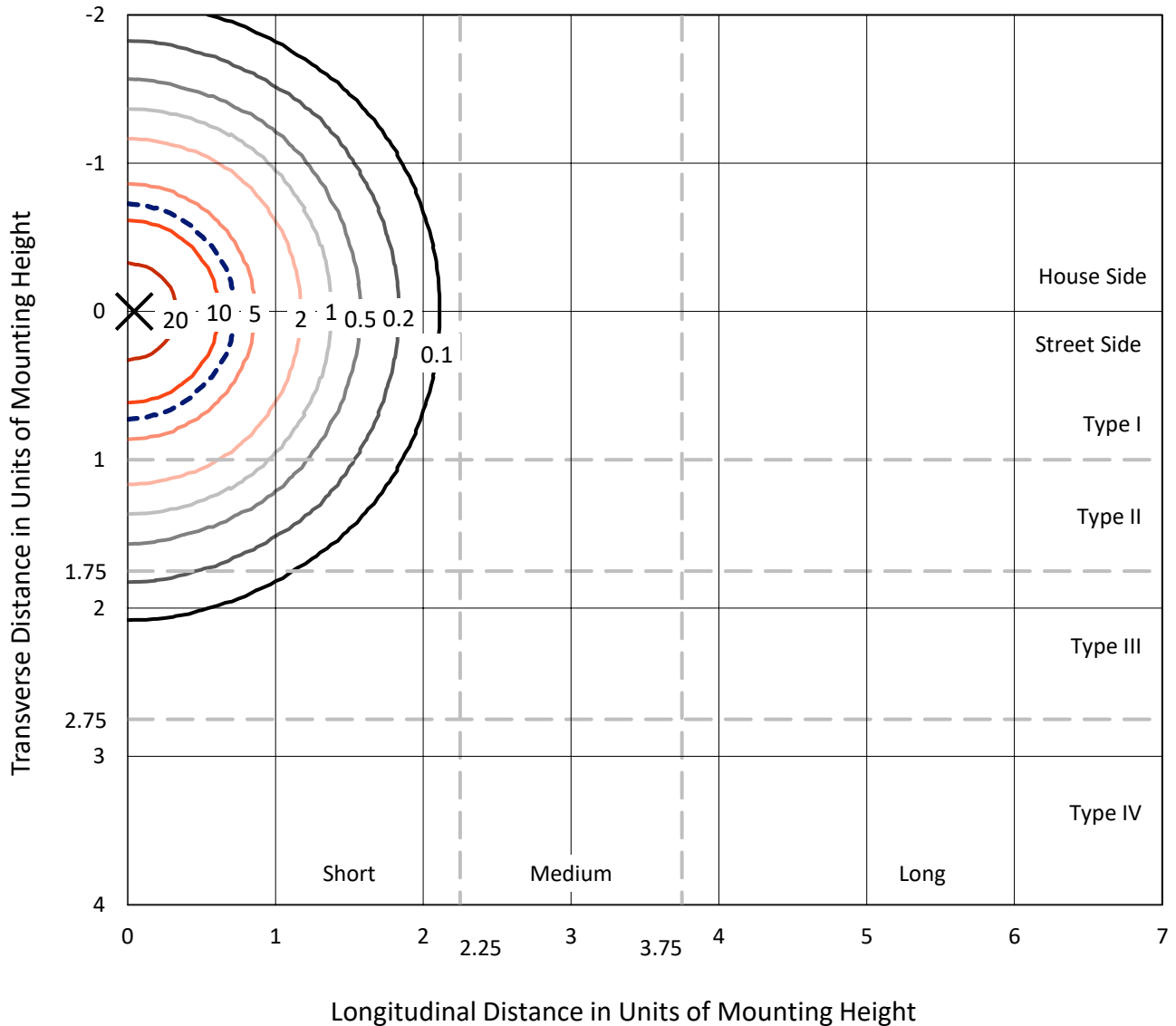
Lumens per Lamp: N/A  
Luminaire Lumens: 36454 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2  
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

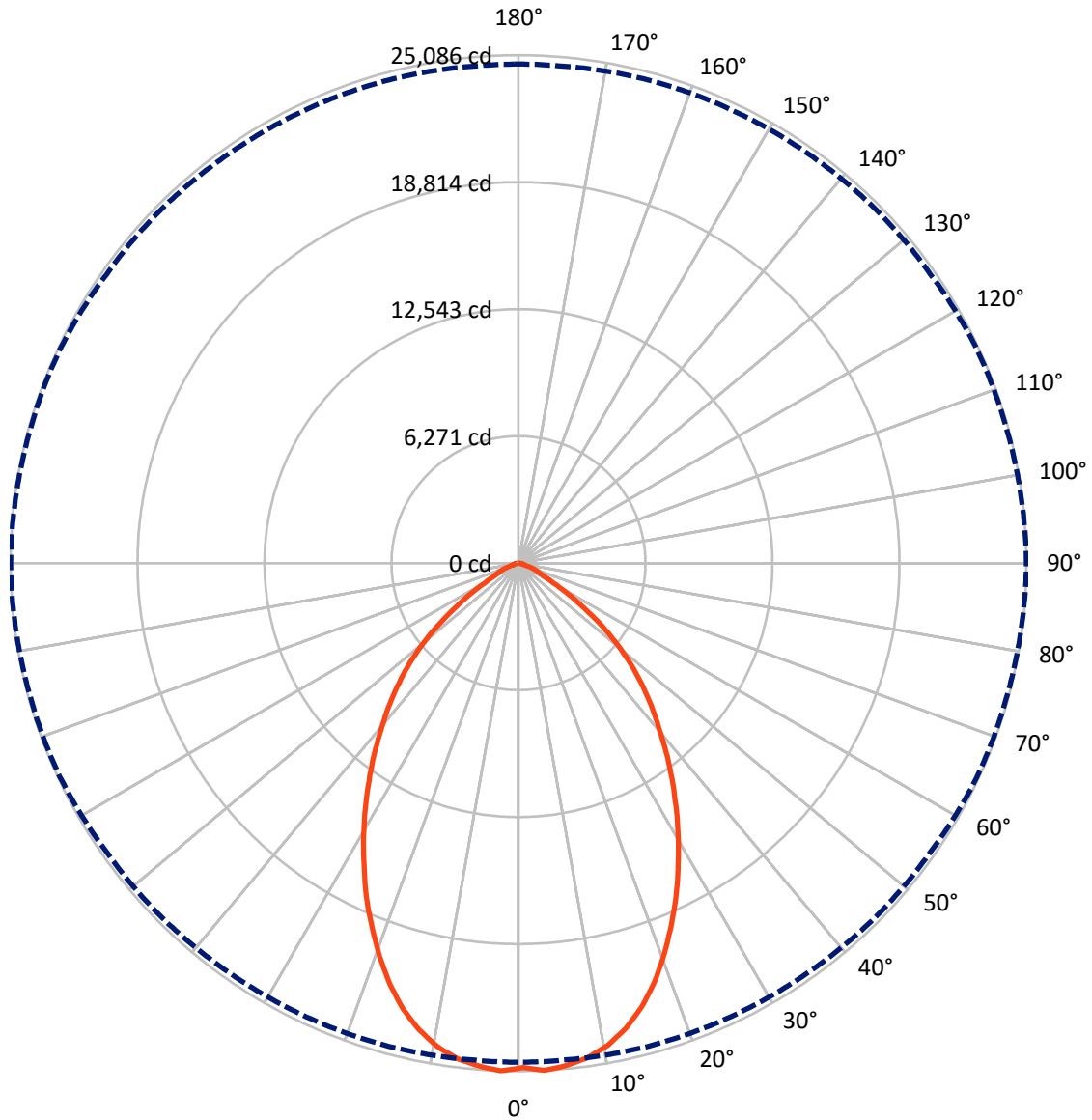
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 27.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18227.0	0.0	18227.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18227.0	0.0	18227.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36454.0	0.0	36454.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2339.1	6.4
10°-20°	6285.3	17.2
20°-30°	8132.0	22.3
30°-40°	8020.1	22.0
40°-50°	6488.6	17.8
50°-60°	3532.9	9.7
60°-70°	1119.4	3.1
70°-80°	433.1	1.2
80°-90°	103.5	0.3
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°	36454.0	100.0
0°-180°	36454.0	100.0

**Coefficient of Utilization**



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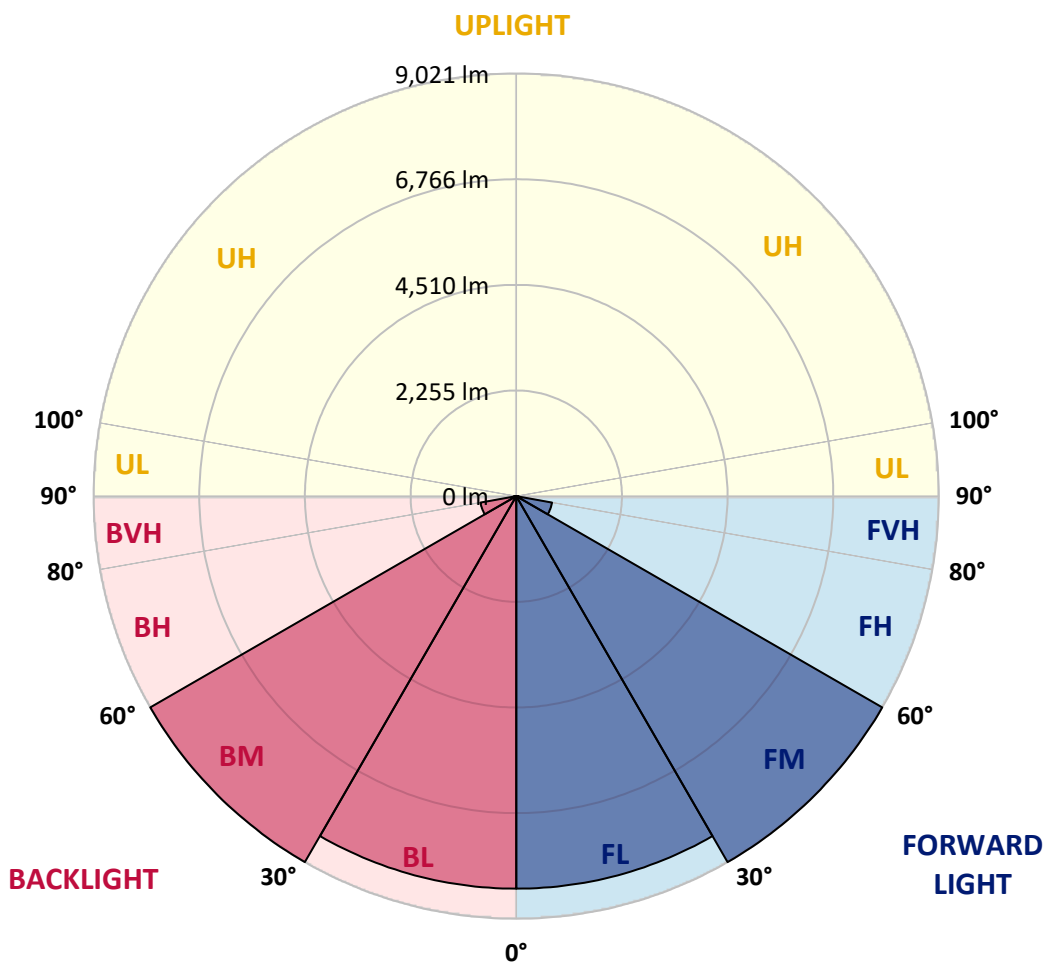
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8378.2	23.0			
FM (30°-60°)	9020.8	24.7			
FH (60°-80°)	776.2	2.1			G1/1800
FVH (80°-90°)	51.8	0.1			G1/100
BL (0°-30°)	8378.2	23.0	B5		
BM (30°-60°)	9020.8	24.7	B5		
BH (60°-80°)	776.2	2.1	B2/1000		G1/1800
BVH (80°-90°)	51.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	24917.3	24917.3	24917.3	24917.3	24917.3	24917.3	24917.3	24917.3	24917.3	24917.3	24917.3
2.5°	24648.6	24643.4	24706.6	24732.9	24764.5	24827.7	24848.8	24985.7	25001.5	25054.2	25085.8
5°	24606.5	24585.4	24648.6	24659.2	24696.0	24706.6	24738.2	24833.0	24822.4	24901.5	24917.3
7.5°	24380.0	24353.7	24406.4	24416.9	24469.6	24453.8	24506.4	24574.9	24574.9	24632.8	24659.2
10°	23874.4	23869.2	23921.8	23927.1	24000.8	23985.0	24069.3	24085.1	24127.2	24169.4	24216.8
12.5°	23268.7	23200.3	23268.7	23242.4	23342.5	23284.5	23400.4	23437.3	23458.3	23532.1	23568.9
15°	22489.3	22405.0	22452.4	22426.1	22489.3	22415.5	22536.7	22610.4	22636.7	22710.5	22747.3
17.5°	21446.4	21378.0	21388.5	21351.6	21393.8	21335.8	21451.7	21567.6	21604.4	21683.4	21736.1
20°	20135.0	20135.0	20140.3	20108.7	20145.5	20087.6	20161.3	20340.4	20377.3	20482.6	20572.1
22.5°	18855.2	18855.2	18871.0	18828.8	18839.4	18813.0	18892.0	19065.8	19123.8	19234.4	19345.0
25°	17628.0	17606.9	17617.5	17580.6	17538.5	17549.0	17643.8	17754.4	17880.8	18023.0	18107.3
27.5°	16458.8	16485.1	16421.9	16395.6	16364.0	16306.0	16416.6	16553.6	16643.1	16759.0	16801.1
30°	15210.5	15263.2	15215.8	15194.7	15115.7	15042.0	15157.9	15294.8	15384.3	15494.9	15542.3
32.5°	14099.2	14083.4	14041.3	13993.9	13914.9	13857.0	13904.4	14062.4	14130.8	14246.7	14262.5
35°	12908.9	12898.4	12872.1	12777.3	12750.9	12682.5	12724.6	12861.5	12914.2	12982.7	13035.3
37.5°	11745.0	11708.1	11697.6	11660.7	11613.3	11597.5	11597.5	11671.2	11723.9	11792.4	11845.0
40°	10591.5	10602.1	10570.5	10538.9	10523.1	10502.0	10507.3	10549.4	10591.5	10623.1	10654.7
42.5°	9548.7	9490.8	9469.7	9438.1	9453.9	9480.2	9422.3	9485.5	9538.2	9538.2	9606.7
45°	8353.2	8379.5	8390.0	8442.7	8442.7	8416.4	8395.3	8426.9	8479.6	8474.3	8542.8
47.5°	7310.3	7278.7	7305.1	7384.1	7452.5	7463.1	7399.9	7415.7	7431.5	7405.1	7468.3
50°	6167.4	6178.0	6172.7	6293.8	6430.8	6383.4	6336.0	6351.8	6346.5	6346.5	6357.0
52.5°	4924.5	4950.8	4919.2	5093.0	5240.5	5203.6	5172.0	5172.0	5198.3	5193.1	5187.8
55°	3792.1	3781.6	3713.1	3797.4	3929.0	3934.3	3886.9	3908.0	3934.3	3960.6	3955.4
57.5°	2823.0	2791.4	2696.6	2701.9	2849.3	2886.2	2844.1	2838.8	2870.4	2880.9	2938.9
60°	1901.3	1896.0	1811.8	1806.5	1864.4	1964.5	1917.1	1917.1	1927.7	1943.5	1959.3
62.5°	1300.9	1311.4	1279.8	1274.6	1285.1	1369.4	1364.1	1358.8	1353.6	1374.6	1369.4
65°	1021.8	1027.0	1016.5	1016.5	1021.8	1058.6	1095.5	1100.8	1106.0	1111.3	1106.0
67.5°	821.6	826.9	816.4	826.9	826.9	832.2	884.8	905.9	911.2	911.2	905.9
70°	632.0	653.1	663.6	663.6	663.6	663.6	700.5	726.8	721.6	690.0	658.4
72.5°	316.0	384.5	531.9	537.2	531.9	526.7	547.7	574.1	568.8	400.3	300.2
75°	210.7	226.5	416.1	437.1	431.9	410.8	431.9	463.5	452.9	258.1	247.5
77.5°	121.1	131.7	279.1	321.3	347.6	300.2	342.3	373.9	358.1	210.7	205.4
80°	94.8	89.5	200.1	247.5	237.0	189.6	279.1	300.2	273.9	158.0	142.2
82.5°	57.9	57.9	131.7	189.6	173.8	110.6	194.9	231.7	205.4	115.9	105.3
85°	31.6	36.9	63.2	94.8	100.1	73.7	105.3	126.4	126.4	73.7	73.7
87.5°	15.8	15.8	21.1	21.1	26.3	31.6	31.6	36.9	26.3	21.1	21.1
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)