

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: P524177

Luminaire Tested: **IFLD-L-SA8D-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524177  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

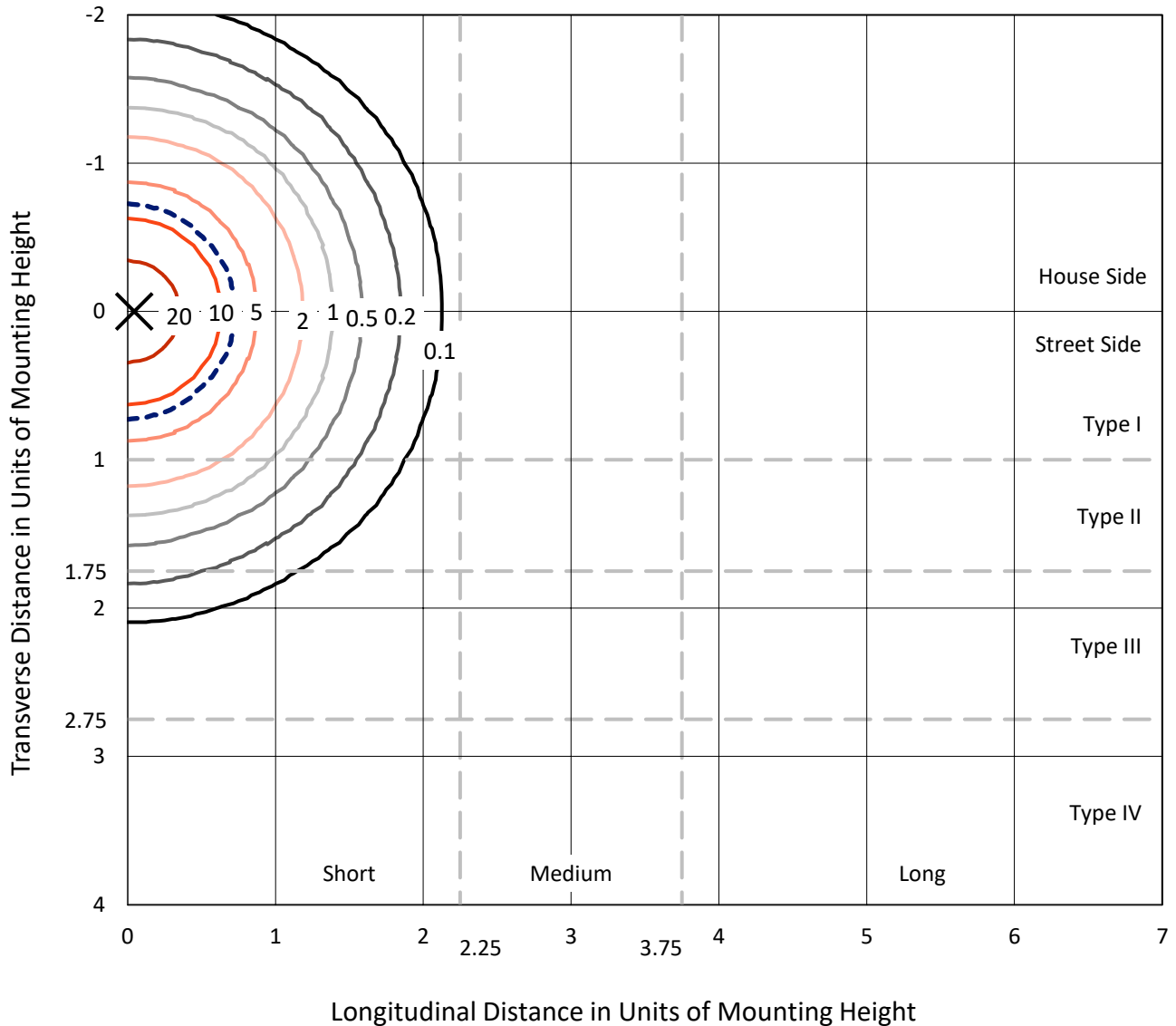
Lumens per Lamp: N/A  
Luminaire Lumens: 37780.1 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3  
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

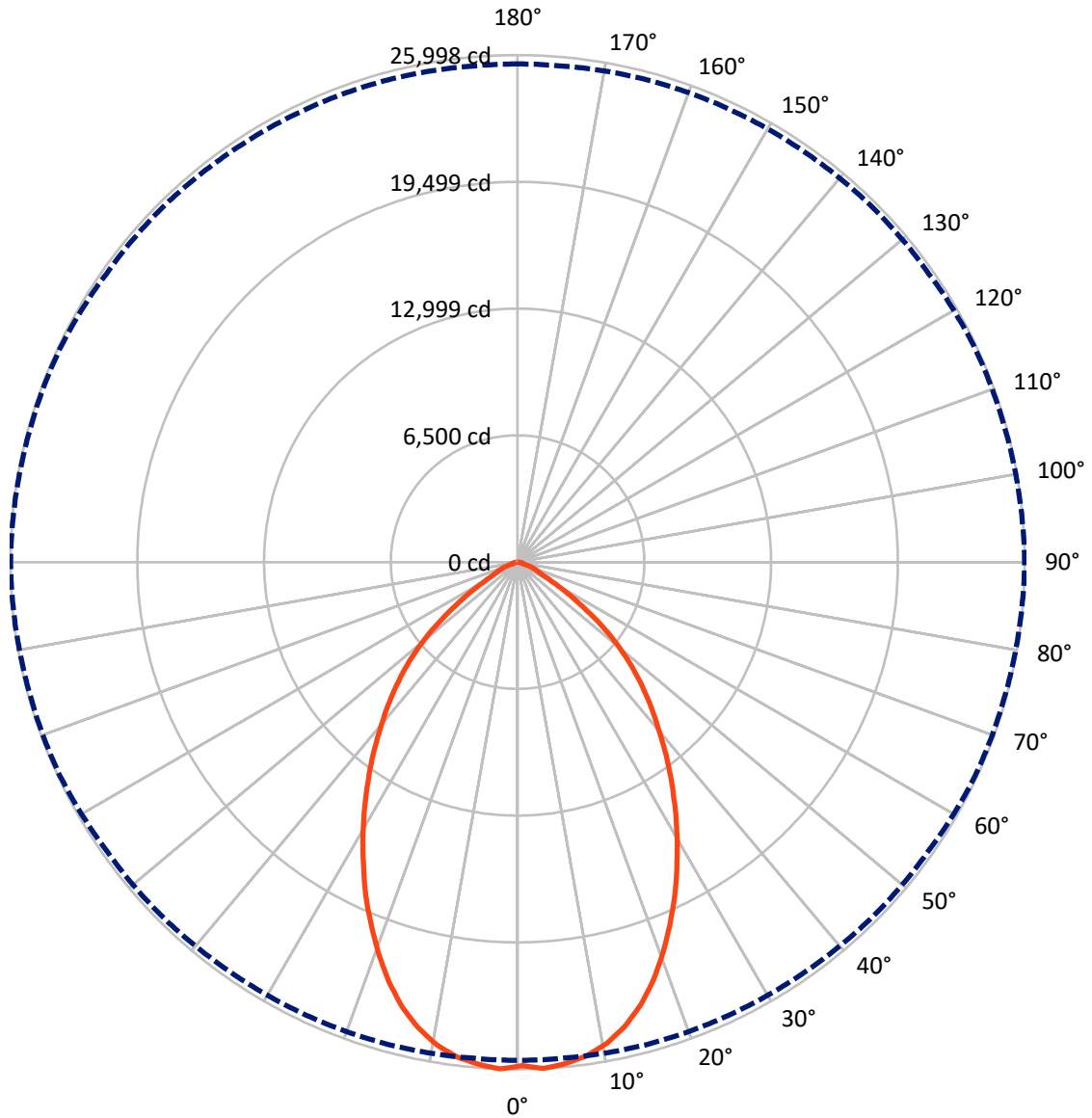
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 28.7 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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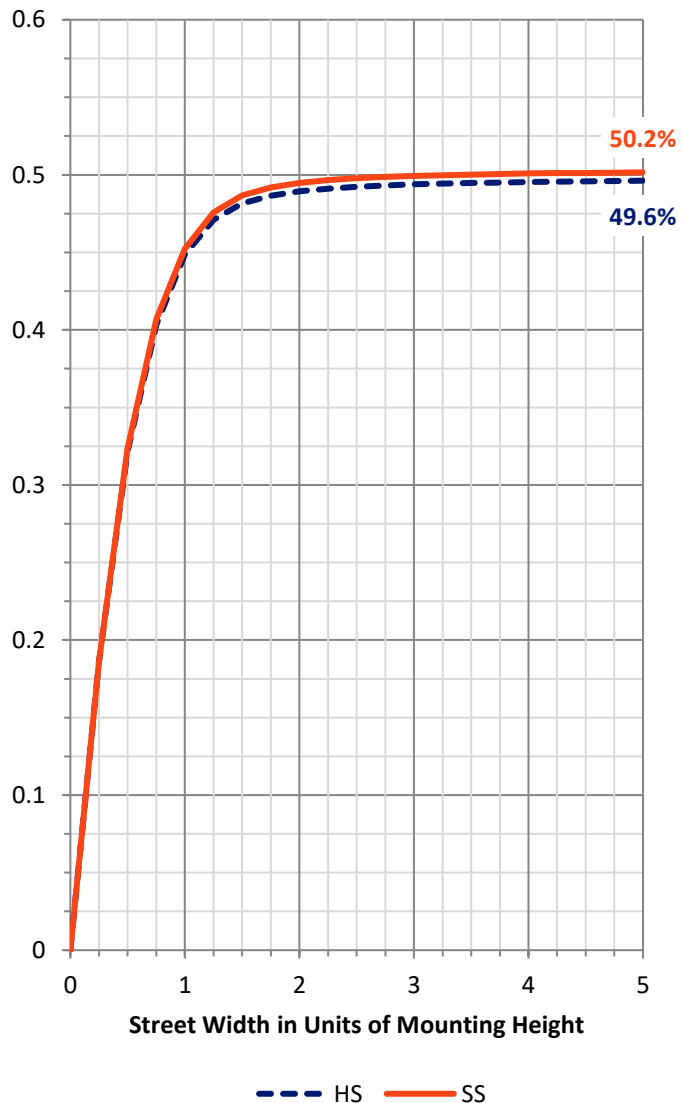
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18890.1	0.0	18890.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18890.1	0.0	18890.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37780.1	0.0	37780.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2424.2	6.4
10°-20°	6514.0	17.2
20°-30°	8427.8	22.3
30°-40°	8311.8	22.0
40°-50°	6724.6	17.8
50°-60°	3661.4	9.7
60°-70°	1160.1	3.1
70°-80°	448.9	1.2
80°-90°	107.3	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°	37780.1	100.0
0°-180°	37780.1	100.0

**Coefficient of Utilization**



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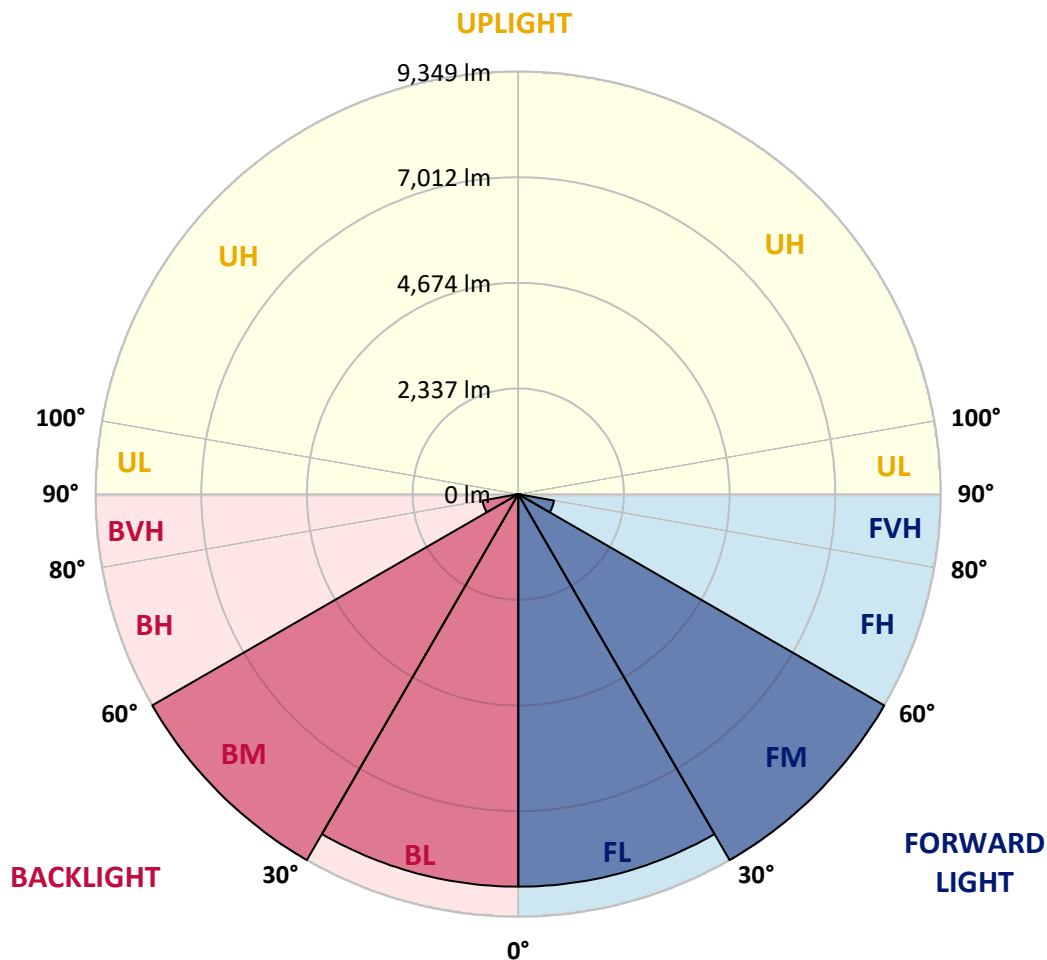
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8683.0	23.0			
FM (30°-60°)	9348.9	24.7			
FH (60°-80°)	804.5	2.1			G1/1800
FVH (80°-90°)	53.6	0.1			G1/100
BL (0°-30°)	8683.0	23.0	B5		
BM (30°-60°)	9348.9	24.7	B5		
BH (60°-80°)	804.5	2.1	B2/1000		G1/1800
BVH (80°-90°)	53.6	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°	25823.7	25823.7	25823.7	25823.7	25823.7	25823.7	25823.7	25823.7	25823.7	25823.7	25823.7
2.5°	25545.3	25539.9	25605.4	25632.7	25665.4	25730.9	25752.8	25894.7	25911.1	25965.6	25998.4
5°	25501.7	25479.8	25545.3	25556.3	25594.5	25605.4	25638.1	25736.4	25725.5	25807.3	25823.7
7.5°	25267.0	25239.7	25294.3	25305.2	25359.8	25343.4	25398.0	25468.9	25468.9	25529.0	25556.3
10°	24743.0	24737.5	24792.1	24797.5	24874.0	24857.6	24944.9	24961.3	25005.0	25048.6	25097.7
12.5°	24115.2	24044.3	24115.2	24087.9	24191.7	24131.6	24251.7	24289.9	24311.7	24388.2	24426.4
15°	23307.4	23220.1	23269.2	23241.9	23307.4	23231.0	23356.5	23432.9	23460.2	23536.6	23574.9
17.5°	22226.6	22155.7	22166.6	22128.4	22172.0	22112.0	22232.1	22352.2	22390.4	22472.3	22526.8
20°	20867.5	20867.5	20872.9	20840.2	20878.4	20818.4	20894.8	21080.4	21118.6	21227.7	21320.5
22.5°	19541.1	19541.1	19557.5	19513.8	19524.7	19497.4	19579.3	19759.4	19819.5	19934.1	20048.7
25°	18269.3	18247.5	18258.4	18220.2	18176.5	18187.4	18285.7	18400.3	18531.3	18678.7	18766.0
27.5°	17057.5	17084.8	17019.3	16992.0	16959.3	16899.2	17013.9	17155.8	17248.6	17368.6	17412.3
30°	15763.9	15818.5	15769.3	15747.5	15665.6	15589.2	15709.3	15851.2	15944.0	16058.6	16107.8
32.5°	14612.2	14595.8	14552.1	14503.0	14421.1	14361.1	14410.2	14573.9	14644.9	14765.0	14781.4
35°	13378.6	13367.6	13340.3	13242.1	13214.8	13143.8	13187.5	13329.4	13384.0	13455.0	13509.6
37.5°	12172.2	12134.0	12123.1	12084.9	12035.8	12019.4	12019.4	12095.8	12150.4	12221.4	12276.0
40°	10976.9	10987.8	10955.0	10922.3	10905.9	10884.1	10889.5	10933.2	10976.9	11009.6	11042.4
42.5°	9896.1	9836.0	9814.2	9781.5	9797.8	9825.1	9765.1	9830.6	9885.2	9885.2	9956.1
45°	8657.0	8684.3	8695.2	8749.8	8749.8	8722.5	8700.7	8733.4	8788.0	8782.6	8853.5
47.5°	7576.3	7543.5	7570.8	7652.7	7723.6	7734.6	7669.1	7685.4	7701.8	7674.5	7740.0
50°	6391.8	6402.7	6397.3	6522.8	6664.7	6615.6	6566.5	6582.8	6577.4	6577.4	6588.3
52.5°	5103.6	5130.9	5098.2	5278.3	5431.1	5392.9	5360.2	5360.2	5387.4	5382.0	5376.5
55°	3930.1	3919.1	3848.2	3935.5	4072.0	4077.4	4028.3	4050.1	4077.4	4104.7	4099.3
57.5°	2925.7	2893.0	2794.7	2800.2	2953.0	2991.2	2947.5	2942.1	2974.8	2985.7	3045.8
60°	1970.5	1965.0	1877.7	1872.2	1932.3	2036.0	1986.9	1986.9	1997.8	2014.2	2030.5
62.5°	1348.2	1359.1	1326.4	1320.9	1331.9	1419.2	1413.7	1408.3	1402.8	1424.6	1419.2
65°	1058.9	1064.4	1053.5	1053.5	1058.9	1097.1	1135.3	1140.8	1146.3	1151.7	1146.3
67.5°	851.5	857.0	846.1	857.0	857.0	862.4	917.0	938.8	944.3	944.3	938.8
70°	655.0	676.8	687.8	687.8	687.8	687.8	726.0	753.3	747.8	715.1	682.3
72.5°	327.5	398.5	551.3	556.8	551.3	545.8	567.7	595.0	589.5	414.8	311.1
75°	218.3	234.7	431.2	453.0	447.6	425.8	447.6	480.3	469.4	267.5	256.5
77.5°	125.5	136.5	289.3	333.0	360.3	311.1	354.8	387.5	371.2	218.3	212.9
80°	98.3	92.8	207.4	256.5	245.6	196.5	289.3	311.1	283.8	163.8	147.4
82.5°	60.0	60.0	136.5	196.5	180.1	114.6	202.0	240.2	212.9	120.1	109.2
85°	32.8	38.2	65.5	98.3	103.7	76.4	109.2	131.0	131.0	76.4	76.4
87.5°	16.4	16.4	21.8	21.8	27.3	32.8	32.8	38.2	27.3	21.8	21.8
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)