

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: P524133

Luminaire Tested: **IFLD-L-SA7D-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524133
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

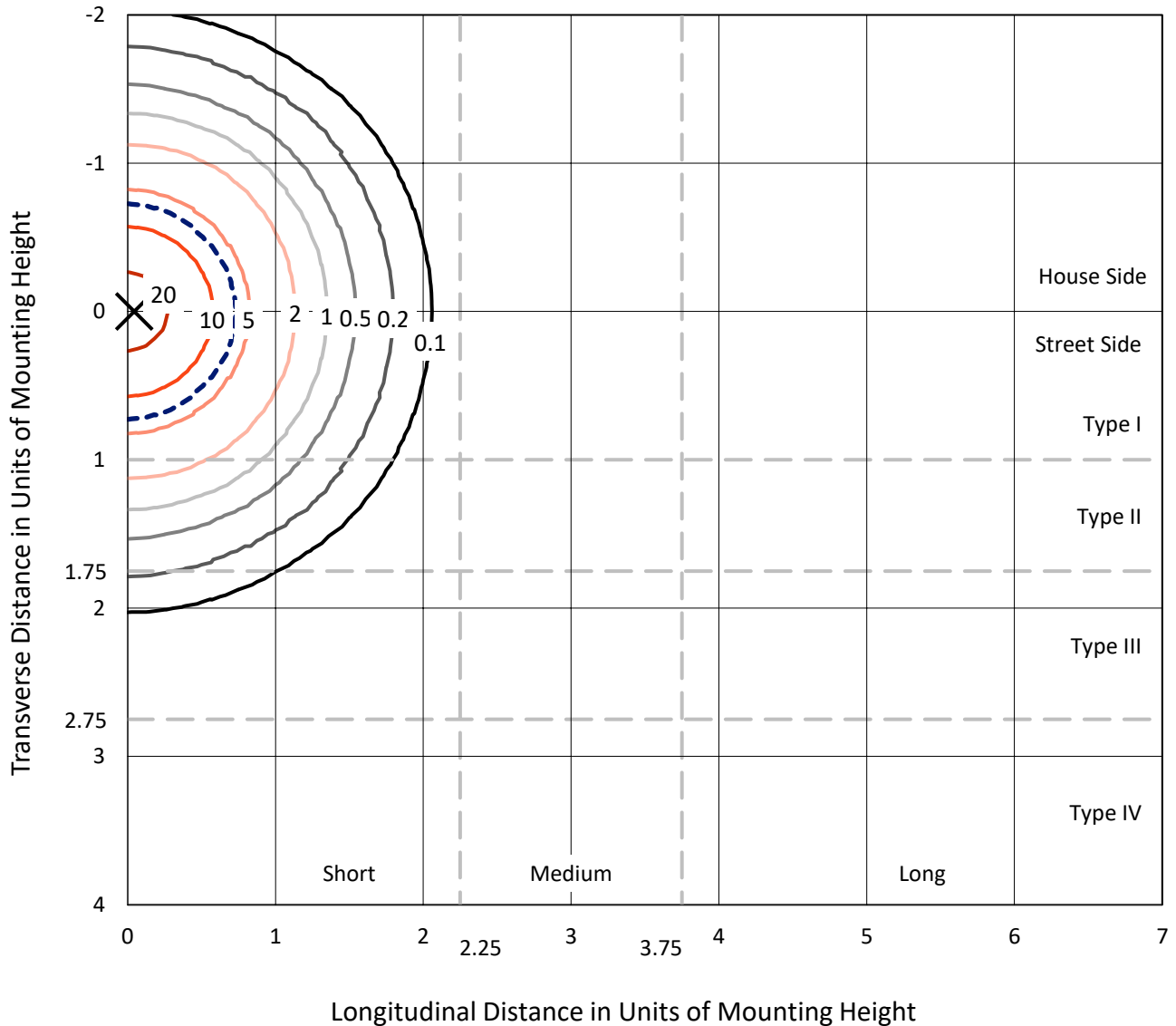
Lumens per Lamp: N/A
Luminaire Lumens: 32391.7 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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

REPORT NUMBER: P524133
 CATALOG NUMBER: IFLD-L-SA7D-930-U-66

Iso-Footcandle Lines of Horizontal Illumination

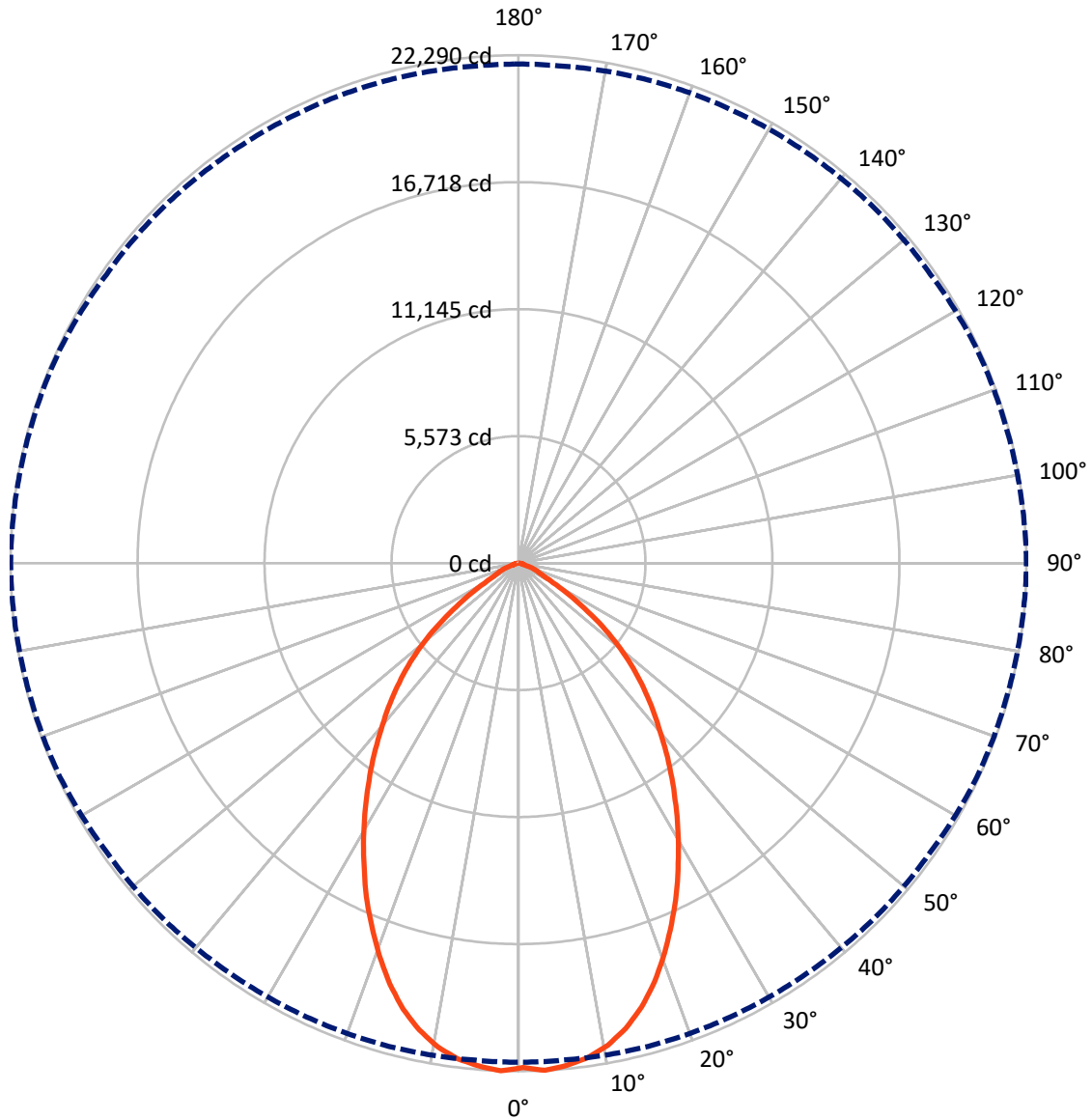
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 24.6 fc
 Type V - Short - N/A

REPORT NUMBER: P524133
CATALOG NUMBER: IFLD-L-SA7D-930-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524133
 CATALOG NUMBER: IFLD-L-SA7D-930-U-66

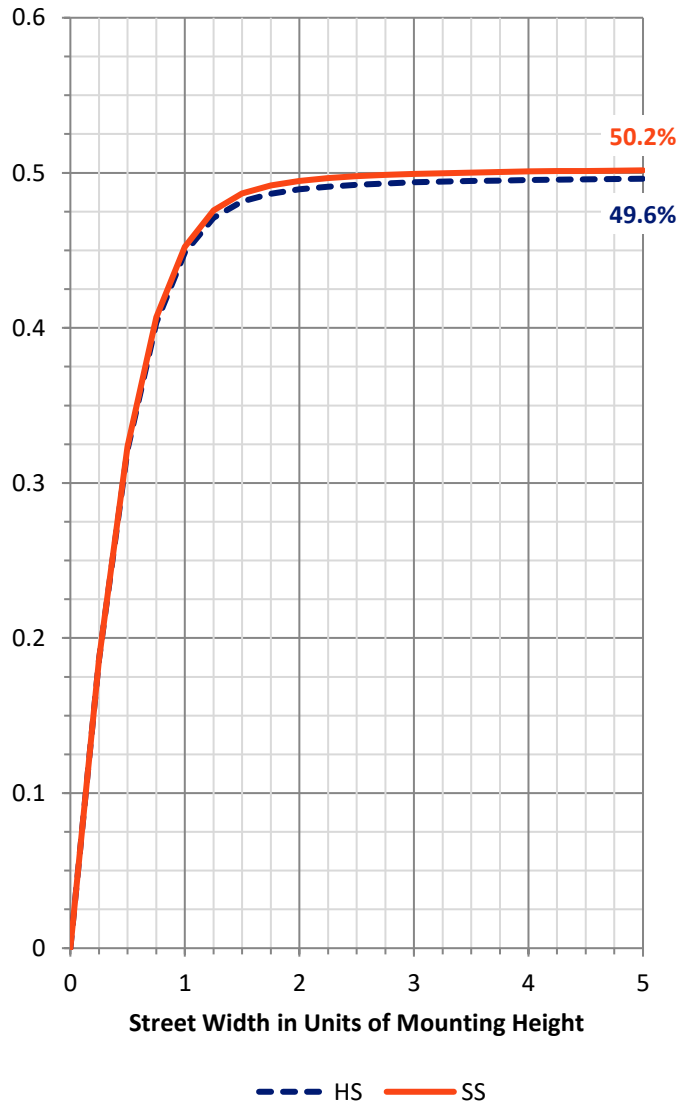
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16195.9	0.0	16195.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16195.9	0.0	16195.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	32391.7	0.0	32391.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2078.5	6.4
10°-20°	5584.9	17.2
20°-30°	7225.8	22.3
30°-40°	7126.4	22.0
40°-50°	5765.5	17.8
50°-60°	3139.2	9.7
60°-70°	994.6	3.1
70°-80°	384.8	1.2
80°-90°	92.0	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°	32391.7	100.0
0°-180°	32391.7	100.0

Coefficient of Utilization



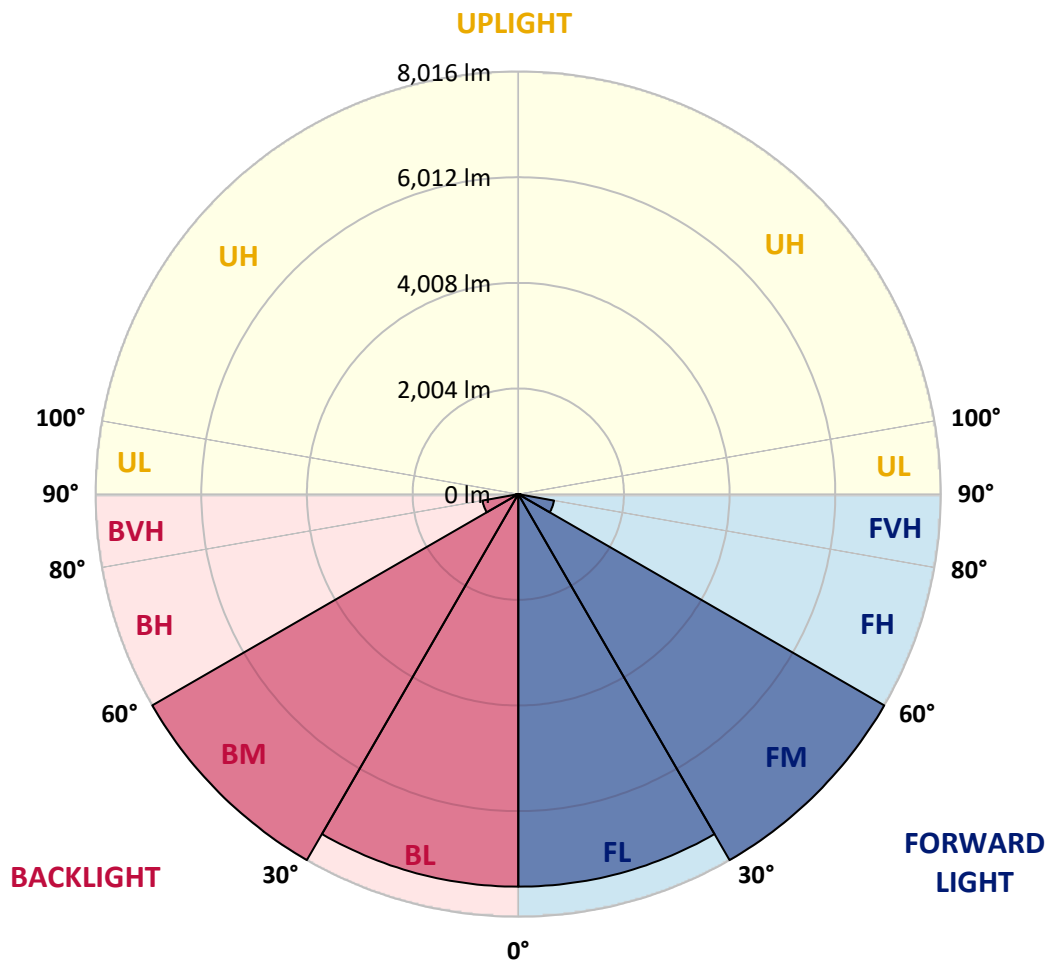
REPORT NUMBER: P524133
 CATALOG NUMBER: IFLD-L-SA7D-930-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7444.6	23.0			
FM (30°-60°)	8015.5	24.7			
FH (60°-80°)	689.7	2.1			G1/1800
FVH (80°-90°)	46.0	0.1			G1/100
BL (0°-30°)	7444.6	23.0	B5		
BM (30°-60°)	8015.5	24.7	B4/8500		
BH (60°-80°)	689.7	2.1	B2/1000		G1/1800
BVH (80°-90°)	46.0	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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 CATALOG NUMBER: IFLD-L-SA7D-930-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	22140.6	22140.6	22140.6	22140.6	22140.6	22140.6	22140.6	22140.6	22140.6	22140.6	22140.6
2.5°	21902.0	21897.3	21953.4	21976.8	22004.9	22061.1	22079.8	22201.5	22215.5	22262.3	22290.4
5°	21864.5	21845.8	21902.0	21911.3	21944.1	21953.4	21981.5	22065.7	22056.4	22126.6	22140.6
7.5°	21663.3	21639.9	21686.7	21696.0	21742.8	21728.8	21775.6	21836.4	21836.4	21887.9	21911.3
10°	21214.0	21209.3	21256.1	21260.8	21326.3	21312.3	21387.2	21401.2	21438.6	21476.1	21518.2
12.5°	20675.8	20615.0	20675.8	20652.4	20741.3	20689.9	20792.8	20825.6	20844.3	20909.8	20942.6
15°	19983.2	19908.3	19950.4	19927.0	19983.2	19917.7	20025.3	20090.8	20114.2	20179.7	20212.5
17.5°	19056.6	18995.7	19005.1	18972.3	19009.8	18958.3	19061.2	19164.2	19197.0	19267.2	19314.0
20°	17891.3	17891.3	17896.0	17867.9	17900.6	17849.2	17914.7	18073.8	18106.5	18200.1	18279.7
22.5°	16754.1	16754.1	16768.1	16730.7	16740.0	16716.6	16786.8	16941.3	16992.7	17091.0	17189.3
25°	15663.6	15644.9	15654.3	15621.5	15584.1	15593.4	15677.7	15776.0	15888.3	16014.6	16089.5
27.5°	14624.7	14648.1	14591.9	14568.5	14540.5	14489.0	14587.3	14708.9	14788.5	14891.5	14928.9
30°	13515.6	13562.4	13520.2	13501.5	13431.3	13365.8	13468.8	13590.4	13670.0	13768.3	13810.4
32.5°	12528.1	12514.1	12476.6	12434.5	12364.3	12312.8	12354.9	12495.3	12556.2	12659.1	12673.2
35°	11470.4	11461.1	11437.7	11353.4	11330.0	11269.2	11306.6	11428.3	11475.1	11536.0	11582.8
37.5°	10436.2	10403.4	10394.1	10361.3	10319.2	10305.1	10305.1	10370.7	10417.5	10478.3	10525.1
40°	9411.3	9420.6	9392.6	9364.5	9350.4	9331.7	9336.4	9373.8	9411.3	9439.4	9467.4
42.5°	8484.7	8433.2	8414.5	8386.4	8400.4	8423.8	8372.3	8428.5	8475.3	8475.3	8536.1
45°	7422.3	7445.7	7455.1	7501.9	7501.9	7478.5	7459.8	7487.8	7534.6	7530.0	7590.8
47.5°	6495.7	6467.6	6491.0	6561.2	6622.1	6631.4	6575.3	6589.3	6603.3	6579.9	6636.1
50°	5480.2	5489.5	5484.8	5592.5	5714.2	5672.0	5629.9	5644.0	5639.3	5639.3	5648.6
52.5°	4375.7	4399.1	4371.0	4525.5	4656.5	4623.7	4595.7	4595.7	4619.1	4614.4	4609.7
55°	3369.5	3360.2	3299.3	3374.2	3491.2	3495.9	3453.8	3472.5	3495.9	3519.3	3514.6
57.5°	2508.4	2480.3	2396.1	2400.8	2531.8	2564.6	2527.1	2522.5	2550.5	2559.9	2611.4
60°	1689.4	1684.8	1609.9	1605.2	1656.7	1745.6	1703.5	1703.5	1712.8	1726.9	1740.9
62.5°	1155.9	1165.3	1137.2	1132.5	1141.9	1216.8	1212.1	1207.4	1202.7	1221.5	1216.8
65°	907.9	912.6	903.2	903.2	907.9	940.7	973.4	978.1	982.8	987.5	982.8
67.5°	730.1	734.7	725.4	734.7	734.7	739.4	786.2	804.9	809.6	809.6	804.9
70°	561.6	580.3	589.7	589.7	589.7	589.7	622.4	645.8	641.1	613.1	585.0
72.5°	280.8	341.6	472.7	477.4	472.7	468.0	486.7	510.1	505.4	355.7	266.8
75°	187.2	201.2	369.7	388.4	383.8	365.0	383.8	411.8	402.5	229.3	220.0
77.5°	107.6	117.0	248.0	285.5	308.9	266.8	304.2	332.3	318.2	187.2	182.5
80°	84.2	79.6	177.8	220.0	210.6	168.5	248.0	266.8	243.4	140.4	126.4
82.5°	51.5	51.5	117.0	168.5	154.4	98.3	173.2	205.9	182.5	103.0	93.6
85°	28.1	32.8	56.2	84.2	88.9	65.5	93.6	112.3	112.3	65.5	65.5
87.5°	14.0	14.0	18.7	18.7	23.4	28.1	28.1	32.8	23.4	18.7	18.7
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)