

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: P479826

Luminaire Tested: **IFLD-L-SA8C-760-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479826
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-760-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

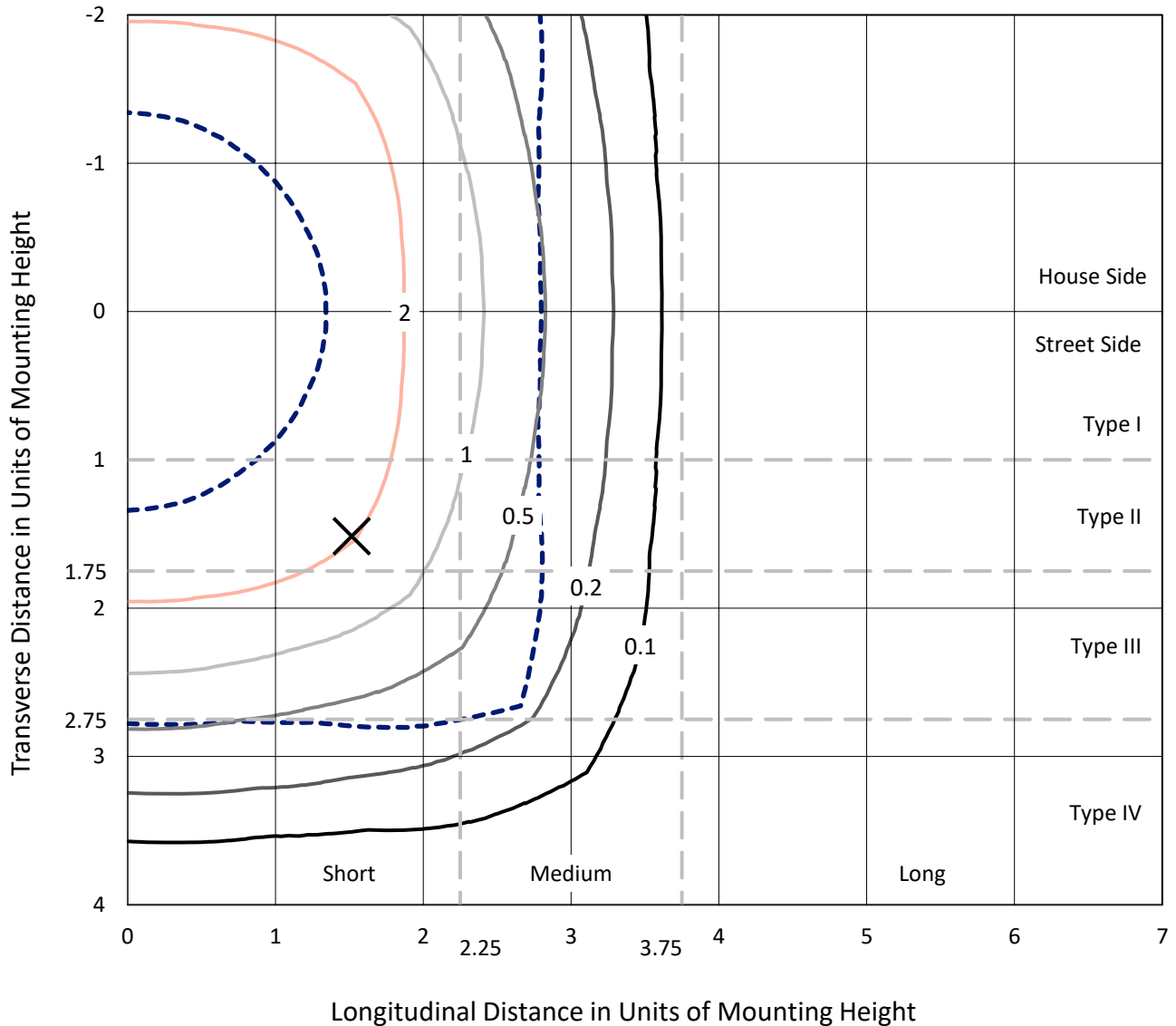
Lumens per Lamp: N/A
Luminaire Lumens: 53181.5 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 420.3
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

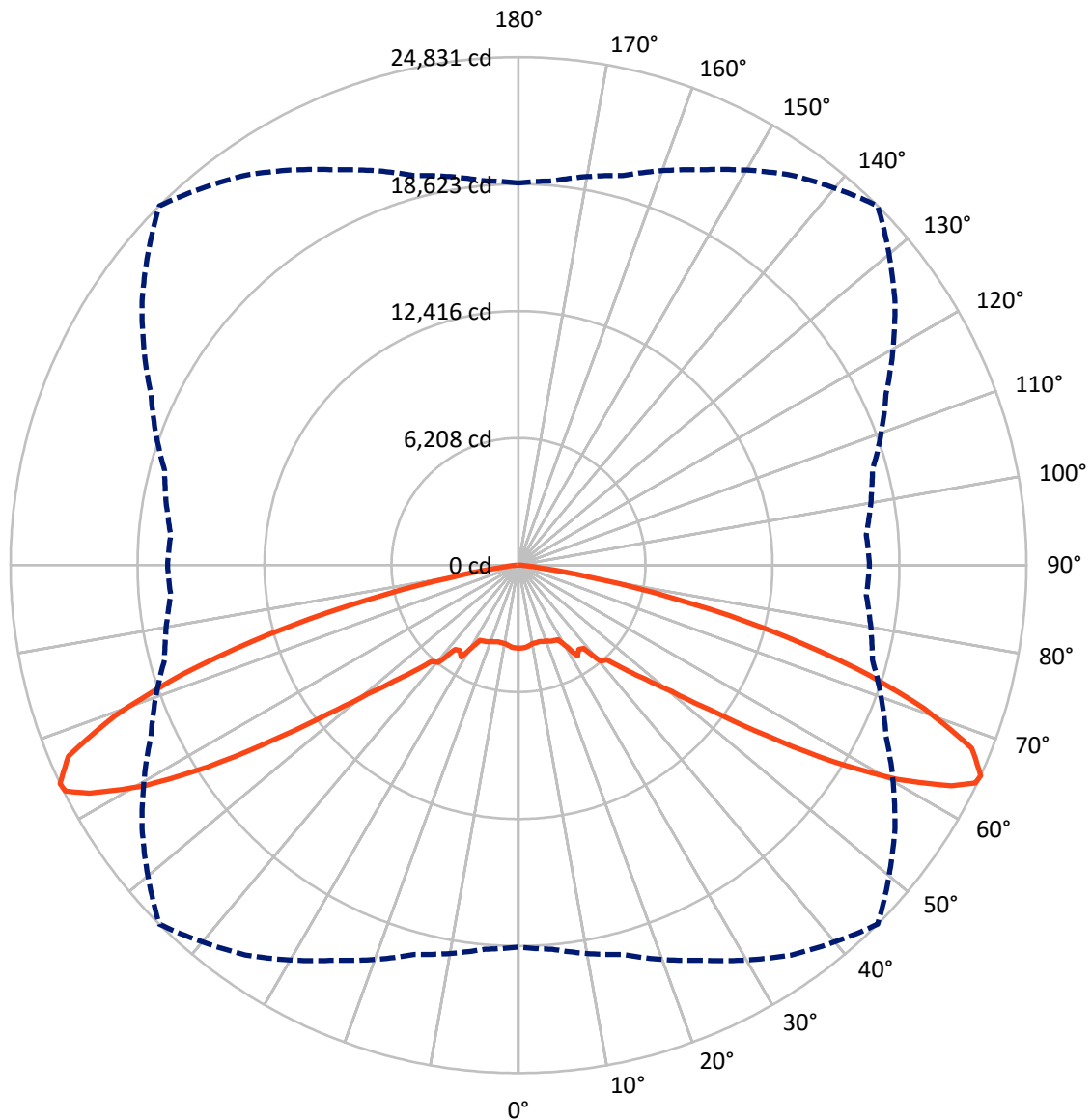
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.5 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
House Side	Lumens	26590.8	0.0	26590.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26590.8	0.0	26590.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	53181.5	0.0	53181.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.6	0.7
10°-20°	1120.9	2.1
20°-30°	1940.1	3.6
30°-40°	3226.0	6.1
40°-50°	5820.3	10.9
50°-60°	12965.6	24.4
60°-70°	19322.9	36.3
70°-80°	8007.6	15.1
80°-90°	396.6	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°	53181.5	100.0
0°-180°	53181.5	100.0

Coefficient of Utilization



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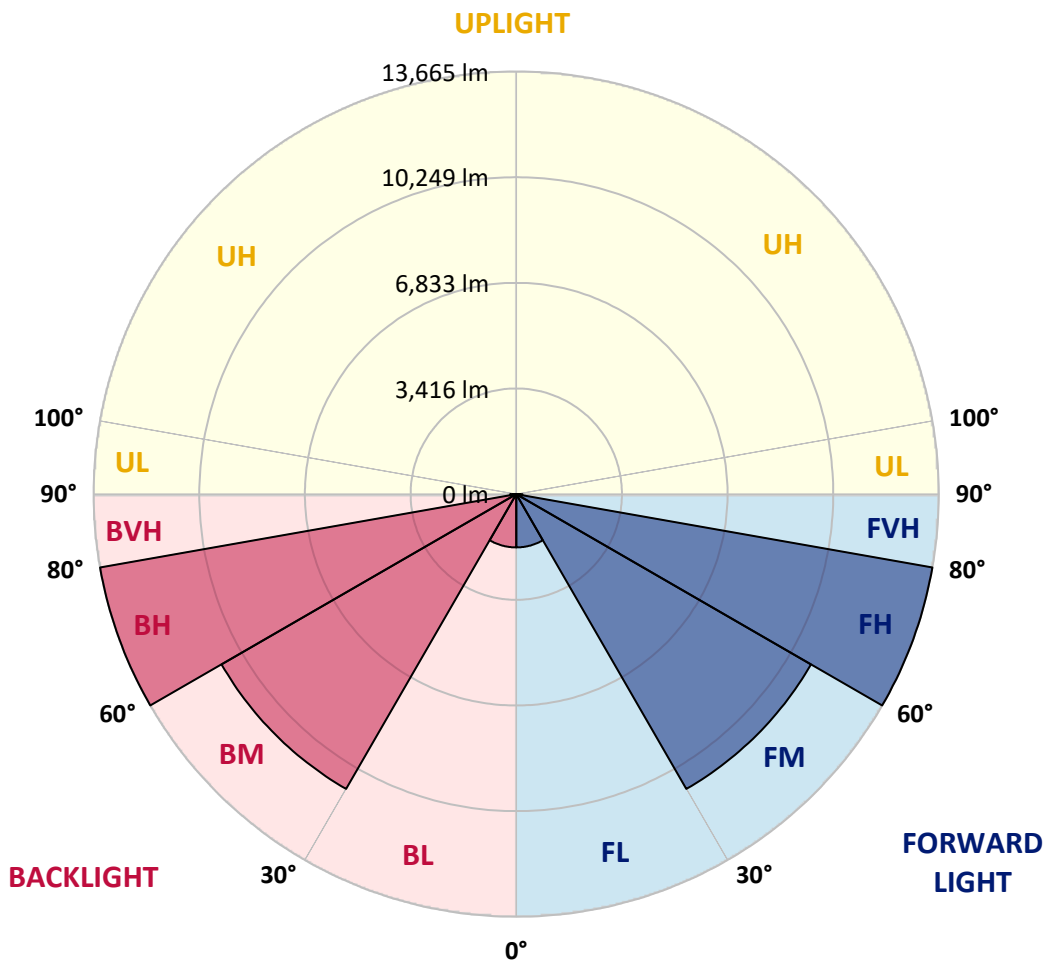
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1721.3	3.2			
FM (30°-60°)	11005.9	20.7			
FH (60°-80°)	13665.2	25.7			G5
FVH (80°-90°)	198.3	0.4			G2/225
BL (0°-30°)	1721.3	3.2	B3/2500		
BM (30°-60°)	11005.9	20.7	B5		
BH (60°-80°)	13665.2	25.7	B5		G5
BVH (80°-90°)	198.3	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-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4066.1	4066.1	4066.1	4066.1	4066.1	4066.1	4066.1	4066.1	4066.1	4066.1	4066.1
2.5°	4019.0	4030.8	4024.9	4024.9	4042.5	4054.3	4060.2	4118.9	4095.4	4113.1	4095.4
5°	4030.8	4030.8	4042.5	4030.8	4042.5	4030.8	4042.5	4024.9	4042.5	4054.3	4071.9
7.5°	4007.3	3995.5	3977.9	3977.9	3972.0	3960.3	3942.7	3989.7	3966.2	3983.8	4013.2
10°	4013.2	3995.5	3936.8	3948.5	3895.7	3895.7	3907.4	3907.4	3960.3	4019.0	4036.7
12.5°	4013.2	3977.9	3960.3	3883.9	3883.9	3889.8	3919.2	3930.9	3966.2	3989.7	4048.4
15°	4013.2	3995.5	3966.2	3866.3	3889.8	3878.0	3907.4	3907.4	3983.8	4024.9	4054.3
17.5°	4036.7	4048.4	3995.5	3901.5	3907.4	3930.9	3913.3	3930.9	4024.9	4054.3	4095.4
20°	4042.5	3995.5	3977.9	3919.2	3972.0	3960.3	3954.4	3989.7	4019.0	4071.9	4118.9
22.5°	4030.8	4048.4	3977.9	3972.0	4019.0	4042.5	4054.3	4013.2	4048.4	4083.7	4124.8
25°	4130.7	4066.1	4048.4	4036.7	4060.2	4083.7	4071.9	4107.2	4107.2	4148.3	4201.2
27.5°	4401.0	4406.8	4371.6	4230.6	4183.6	4130.7	4154.2	4248.2	4359.8	4448.0	4465.6
30°	4524.4	4547.9	4641.9	4618.4	4600.7	4618.4	4612.5	4636.0	4647.8	4653.6	4636.0
32.5°	4636.0	4624.3	4583.1	4688.9	5035.6	5300.0	5047.3	4700.6	4624.3	4600.7	4624.3
35°	5041.4	5041.4	4953.3	4818.2	5000.3	5064.9	4947.4	4782.9	4876.9	5070.8	5082.6
37.5°	5564.4	5488.0	5523.2	5505.6	5305.8	5164.8	5370.5	5476.2	5493.9	5488.0	5546.8
40°	5875.8	5822.9	5770.0	5864.0	6046.2	6175.5	5993.3	5740.7	5805.3	5934.6	5881.7
42.5°	6586.8	6451.6	6463.4	6369.4	6363.5	6322.4	6281.2	6298.9	6392.9	6539.8	6563.3
45°	7315.4	7380.0	7338.9	7162.6	7244.9	7244.9	7127.3	7215.5	7262.5	7432.9	7456.4
47.5°	8455.3	8425.9	8443.5	8284.9	8279.0	8320.1	8279.0	8284.9	8431.8	8420.0	8355.4
50°	9789.1	9871.3	9894.8	9818.5	9724.4	9706.8	9642.2	9724.4	9812.6	9818.5	9765.6
52.5°	11634.1	11722.2	11722.2	11745.7	11863.2	11804.5	11792.7	11798.6	11628.2	11510.7	11569.4
55°	13960.9	13990.3	14090.2	14295.8	14654.2	14701.2	14478.0	14378.1	14066.7	13878.6	14025.5
57.5°	16258.3	16375.8	16652.0	17186.7	17627.4	18109.2	17462.9	16804.8	16193.7	15894.0	15946.9
60°	18168.0	18338.4	18867.2	19613.4	20835.6	21276.3	20183.4	19055.2	17815.4	16898.8	17269.0
62.5°	19067.0	19331.4	19777.9	21288.0	23121.3	23755.8	22151.8	20101.1	18220.8	17339.5	17321.8
64°	19072.8	19114.0	20007.1	21634.7	23520.8	24748.9	22627.7	20101.1	18320.7	17233.7	17433.5
65°	18679.2	18849.6	19713.3	21317.4	23268.2	24831.1	22463.2	19824.9	17909.4	17063.3	17157.3
67.5°	16892.9	16887.0	17686.1	19278.5	21987.2	23896.9	21064.7	18279.6	16892.9	15976.3	16087.9
70°	12815.1	13020.8	13784.6	15741.3	19025.8	21070.6	18420.6	15535.6	13808.1	13073.6	13032.5
72.5°	7667.9	7938.2	8913.6	11299.2	14777.6	17263.1	14619.0	11493.1	9413.0	8249.6	8279.0
75°	3496.1	3695.9	4365.7	6310.6	9847.8	12621.2	9906.6	6645.5	4765.3	4024.9	3919.2
77.5°	981.3	1104.6	1474.8	2896.8	5405.7	7568.0	5558.5	3202.3	2080.0	1727.5	1692.2
80°	440.7	464.2	522.9	705.1	1715.7	3337.5	2297.4	1175.2	781.5	646.3	617.0
82.5°	240.9	258.5	340.8	364.3	487.7	887.2	758.0	552.3	470.1	376.1	364.3
85°	135.1	141.0	193.9	193.9	235.0	258.5	276.2	293.8	287.9	211.5	205.7
87.5°	41.1	47.0	58.8	58.8	58.8	58.8	94.0	129.3	141.0	99.9	99.9
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)