

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: P479748

Luminaire Tested: **IFLD-L-SA8C-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479748
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

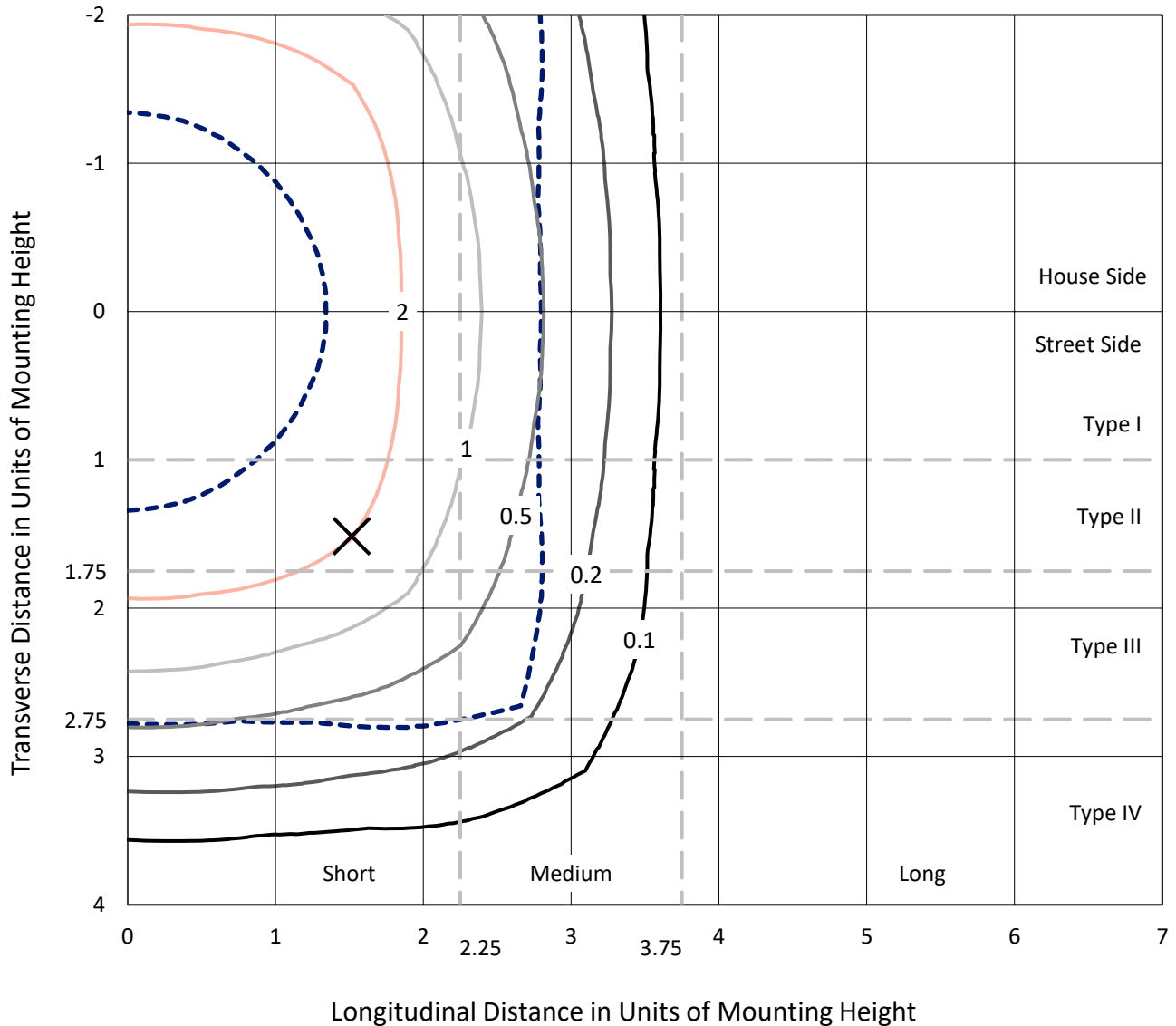
Lumens per Lamp: N/A
Luminaire Lumens: 51990.9 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

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

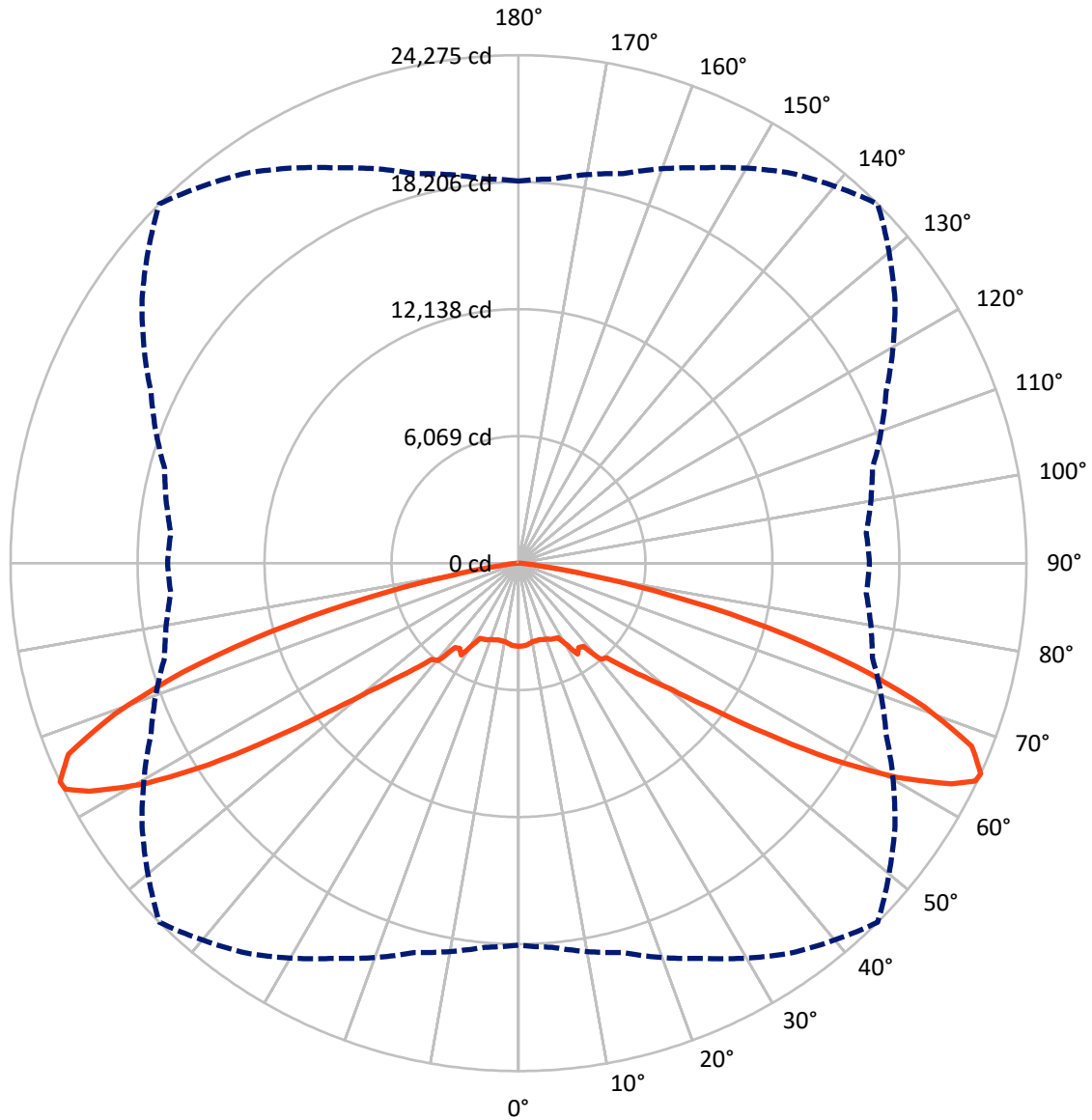
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 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	25995.5	0.0	25995.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25995.5	0.0	25995.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51990.9	0.0	51990.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.0	0.7
10°-20°	1095.8	2.1
20°-30°	1896.7	3.6
30°-40°	3153.8	6.1
40°-50°	5689.9	10.9
50°-60°	12675.3	24.4
60°-70°	18890.3	36.3
70°-80°	7828.4	15.1
80°-90°	387.7	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°	51990.9	100.0
0°-180°	51990.9	100.0

Coefficient of Utilization



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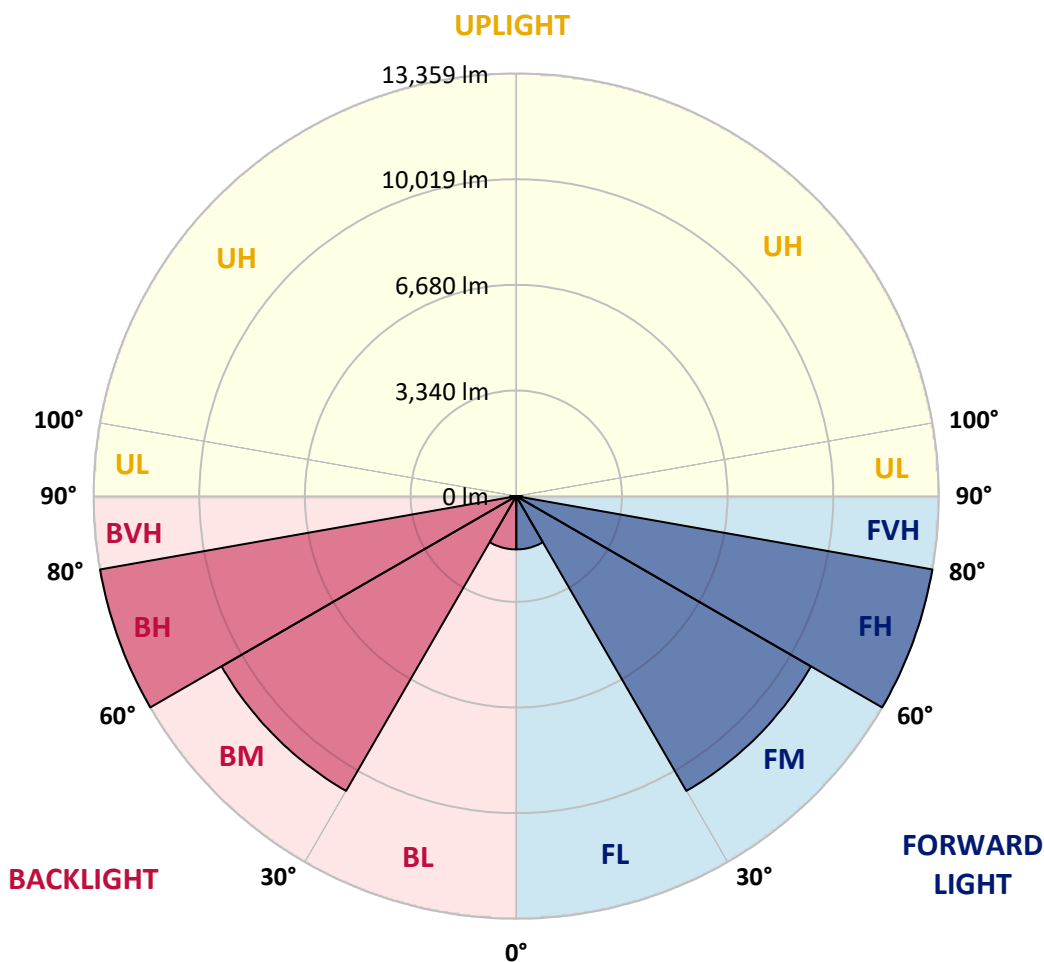
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1682.7	3.2			
FM (30°-60°)	10759.5	20.7			
FH (60°-80°)	13359.3	25.7			G5
FVH (80°-90°)	193.9	0.4			G2/225
BL (0°-30°)	1682.7	3.2	B3/2500		
BM (30°-60°)	10759.5	20.7	B5		
BH (60°-80°)	13359.3	25.7	B5		G5
BVH (80°-90°)	193.9	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°	3975.0	3975.0	3975.0	3975.0	3975.0	3975.0	3975.0	3975.0	3975.0	3975.0	3975.0
2.5°	3929.1	3940.6	3934.8	3934.8	3952.0	3963.5	3969.3	4026.7	4003.7	4021.0	4003.7
5°	3940.6	3940.6	3952.0	3940.6	3952.0	3940.6	3952.0	3934.8	3952.0	3963.5	3980.8
7.5°	3917.6	3906.1	3888.9	3888.9	3883.1	3871.6	3854.4	3900.3	3877.4	3894.6	3923.3
10°	3923.3	3906.1	3848.6	3860.1	3808.4	3808.4	3819.9	3819.9	3871.6	3929.1	3946.3
12.5°	3923.3	3888.9	3871.6	3797.0	3797.0	3802.7	3831.4	3842.9	3877.4	3900.3	3957.8
15°	3923.3	3906.1	3877.4	3779.7	3802.7	3791.2	3819.9	3819.9	3894.6	3934.8	3963.5
17.5°	3946.3	3957.8	3906.1	3814.2	3819.9	3842.9	3825.7	3842.9	3934.8	3963.5	4003.7
20°	3952.0	3906.1	3888.9	3831.4	3883.1	3871.6	3865.9	3900.3	3929.1	3980.8	4026.7
22.5°	3940.6	3957.8	3888.9	3883.1	3929.1	3952.0	3963.5	3923.3	3957.8	3992.3	4032.5
25°	4038.2	3975.0	3957.8	3946.3	3969.3	3992.3	3980.8	4015.2	4015.2	4055.4	4107.1
27.5°	4302.4	4308.2	4273.7	4135.9	4089.9	4038.2	4061.2	4153.1	4262.2	4348.4	4365.6
30°	4423.1	4446.1	4538.0	4515.0	4497.8	4515.0	4509.2	4532.2	4543.7	4549.4	4532.2
32.5°	4532.2	4520.7	4480.5	4583.9	4922.8	5181.3	4934.3	4595.4	4520.7	4497.8	4520.7
35°	4928.6	4928.6	4842.4	4710.3	4888.4	4951.5	4836.7	4675.8	4767.7	4957.3	4968.8
37.5°	5439.8	5365.1	5399.6	5382.4	5187.1	5049.2	5250.2	5353.6	5370.9	5365.1	5422.6
40°	5744.3	5692.6	5640.9	5732.8	5910.8	6037.2	5859.1	5612.1	5675.3	5801.7	5750.0
42.5°	6439.3	6307.2	6318.7	6226.8	6221.0	6180.8	6140.6	6157.8	6249.7	6393.4	6416.3
45°	7151.6	7214.8	7174.6	7002.2	7082.7	7082.7	6967.8	7053.9	7099.9	7266.5	7289.5
47.5°	8266.0	8237.3	8254.5	8099.4	8093.7	8133.9	8093.7	8099.4	8243.0	8231.5	8168.3
50°	9569.9	9650.3	9673.3	9598.6	9506.7	9489.5	9426.3	9506.7	9592.9	9598.6	9546.9
52.5°	11373.6	11459.8	11459.8	11482.8	11597.6	11540.2	11528.7	11534.5	11367.9	11253.0	11310.4
55°	13648.3	13677.1	13774.7	13975.8	14326.2	14372.1	14153.8	14056.2	13751.7	13567.9	13711.5
57.5°	15894.3	16009.2	16279.2	16801.9	17232.8	17703.8	17071.9	16428.6	15831.2	15538.2	15589.9
60°	17761.2	17927.8	18444.8	19174.3	20369.1	20799.9	19731.5	18628.6	17416.6	16520.5	16882.4
62.5°	18640.1	18898.6	19335.2	20811.4	22603.6	23224.0	21655.8	19651.1	17812.9	16951.3	16934.1
64°	18645.8	18686.1	19559.2	21150.3	22994.2	24194.8	22121.1	19651.1	17910.6	16847.9	17043.2
65°	18261.0	18427.6	19272.0	20840.2	22747.2	24275.2	21960.3	19381.1	17508.5	16681.3	16773.2
67.5°	16514.7	16509.0	17290.2	18846.9	21495.0	23361.9	20593.1	17870.4	16514.7	15618.6	15727.8
70°	12528.2	12729.3	13476.0	15388.9	18599.9	20598.9	18008.2	15187.8	13499.0	12781.0	12740.8
72.5°	7496.3	7760.5	8714.0	11046.2	14446.8	16876.6	14291.7	11235.8	9202.3	8064.9	8093.7
75°	3417.8	3613.1	4268.0	6169.3	9627.4	12338.7	9684.8	6496.8	4658.6	3934.8	3831.4
77.5°	959.3	1079.9	1441.8	2831.9	5284.7	7398.6	5434.1	3130.6	2033.5	1688.8	1654.3
80°	430.8	453.8	511.2	689.3	1677.3	3262.7	2246.0	1148.9	764.0	631.9	603.1
82.5°	235.5	252.7	333.2	356.1	476.8	867.4	741.0	540.0	459.5	367.6	356.1
85°	132.1	137.9	189.6	189.6	229.8	252.7	270.0	287.2	281.5	206.8	201.0
87.5°	40.2	46.0	57.4	57.4	57.4	57.4	91.9	126.4	137.9	97.7	97.7
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)