

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: P479704

Luminaire Tested: **IFLD-L-SA7C-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479704
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

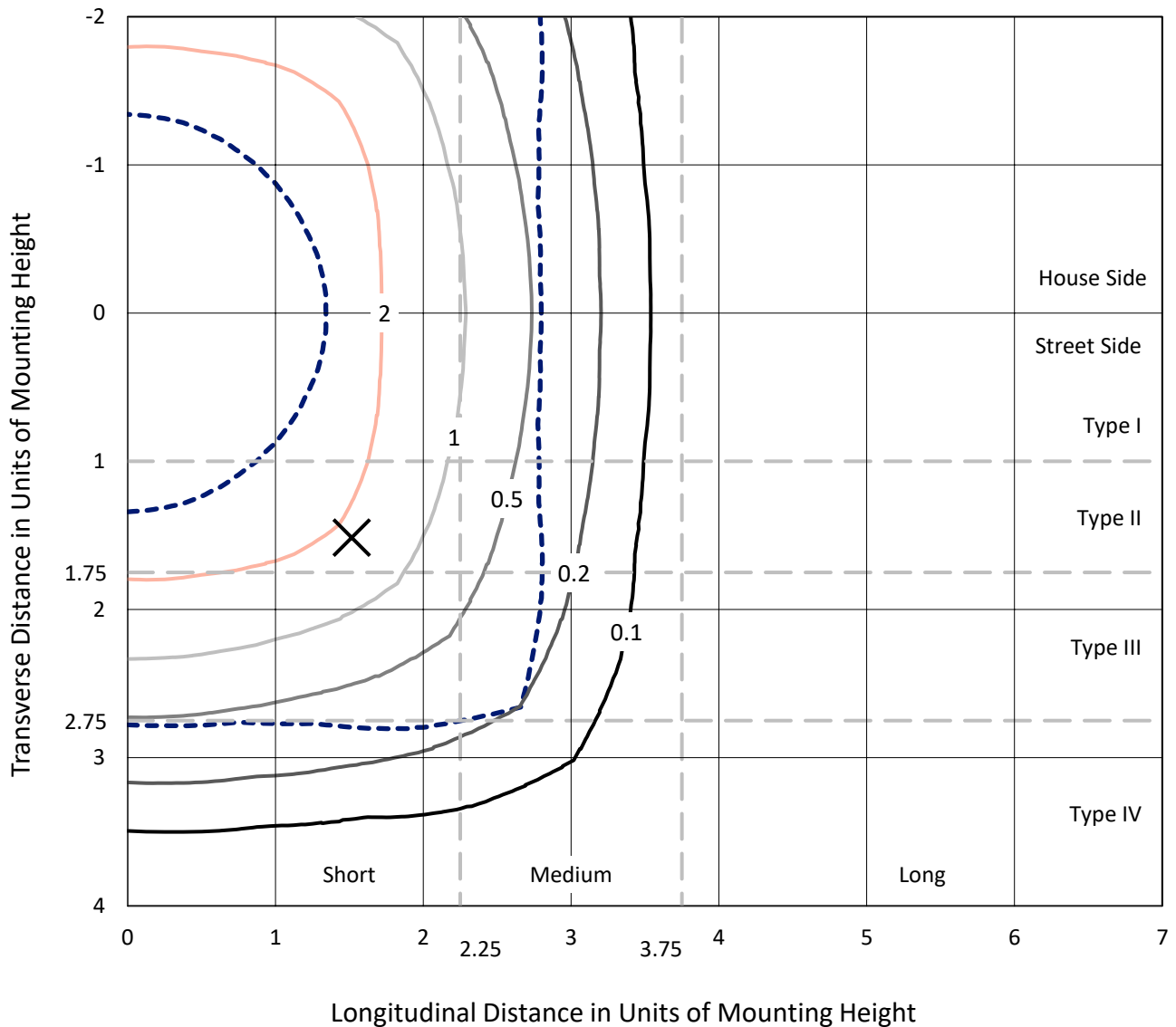
Lumens per Lamp: N/A
Luminaire Lumens: 44868.7 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 369
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

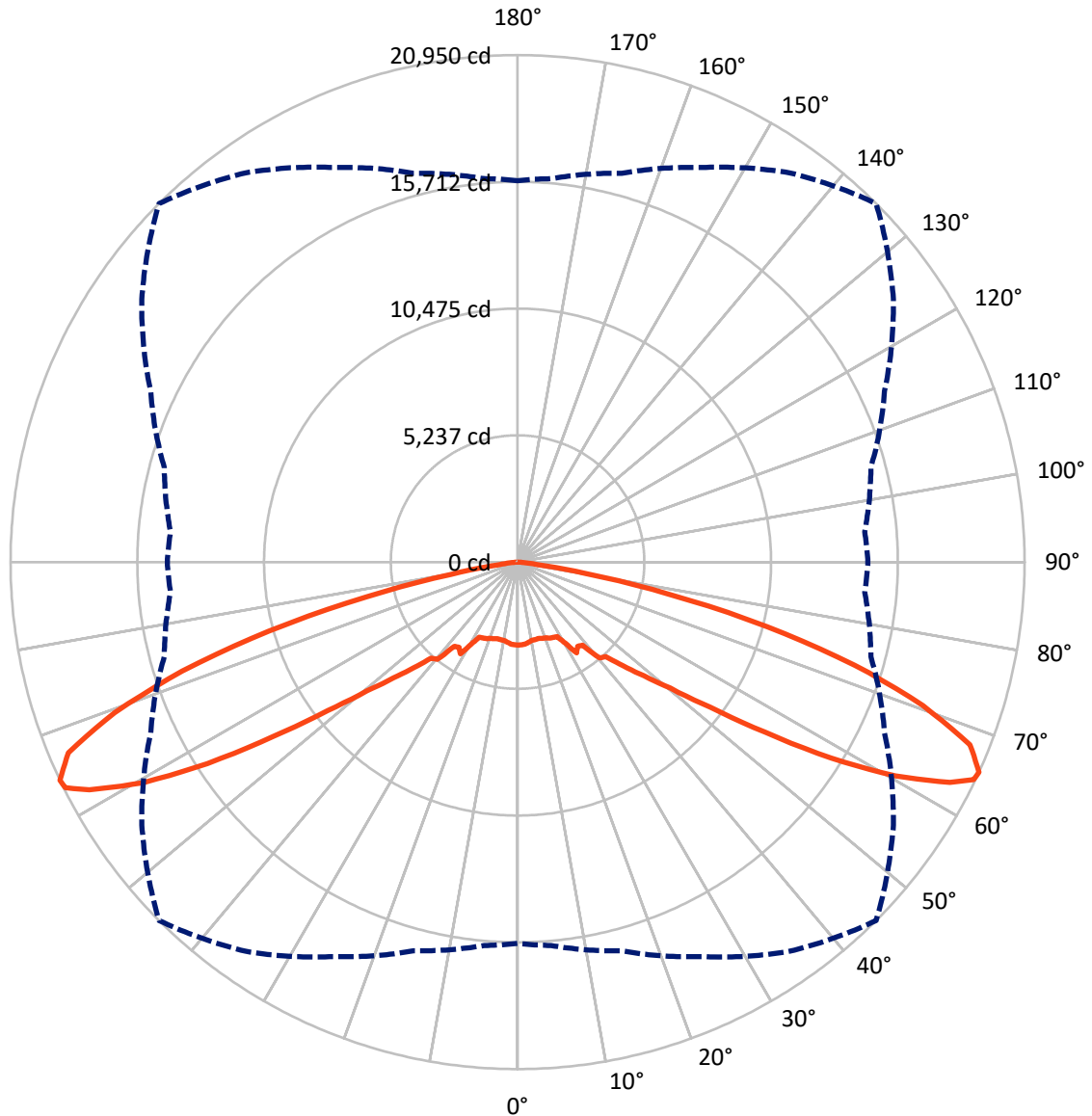
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.8 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	22434.3	0.0	22434.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22434.3	0.0	22434.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	44868.7	0.0	44868.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.9	0.7
10°-20°	945.7	2.1
20°-30°	1636.9	3.6
30°-40°	2721.8	6.1
40°-50°	4910.5	10.9
50°-60°	10938.9	24.4
60°-70°	16302.5	36.3
70°-80°	6756.0	15.1
80°-90°	334.6	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°	44868.7	100.0
0°-180°	44868.7	100.0

Coefficient of Utilization



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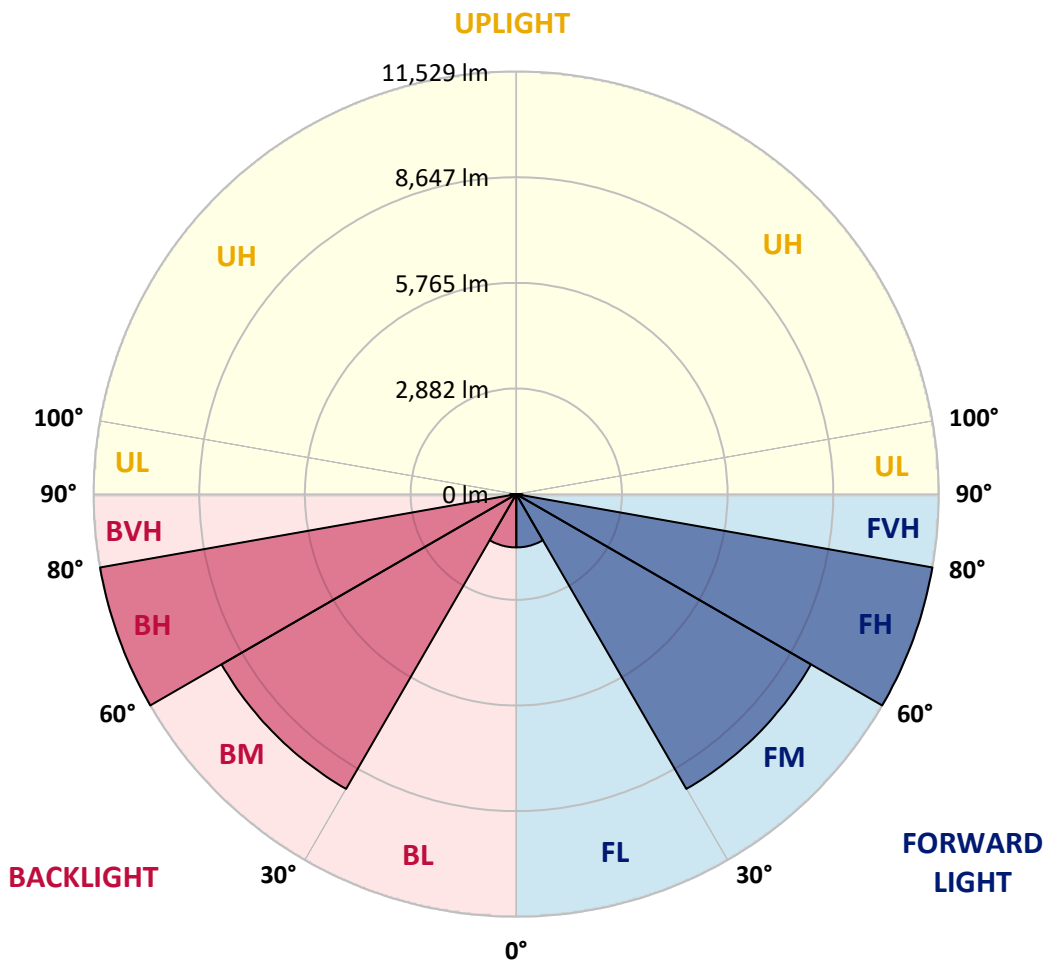
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1452.2	3.2			
FM (30°-60°)	9285.6	20.7			
FH (60°-80°)	11529.2	25.7			G4/12000
FVH (80°-90°)	167.3	0.4			G2/225
BL (0°-30°)	1452.2	3.2	B3/2500		
BM (30°-60°)	9285.6	20.7	B5		
BH (60°-80°)	11529.2	25.7	B5		G4/12000
BVH (80°-90°)	167.3	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3430.5	3430.5	3430.5	3430.5	3430.5	3430.5	3430.5	3430.5	3430.5	3430.5	3430.5
2.5°	3390.8	3400.7	3395.8	3395.8	3410.7	3420.6	3425.5	3475.1	3455.3	3470.1	3455.3
5°	3400.7	3400.7	3410.7	3400.7	3410.7	3400.7	3410.7	3395.8	3410.7	3420.6	3435.4
7.5°	3380.9	3371.0	3356.1	3356.1	3351.2	3341.3	3326.4	3366.0	3346.2	3361.1	3385.9
10°	3385.9	3371.0	3321.4	3331.3	3286.7	3286.7	3296.6	3296.6	3341.3	3390.8	3405.7
12.5°	3385.9	3356.1	3341.3	3276.8	3276.8	3281.8	3306.6	3316.5	3346.2	3366.0	3415.6
15°	3385.9	3371.0	3346.2	3261.9	3281.8	3271.9	3296.6	3296.6	3361.1	3395.8	3420.6
17.5°	3405.7	3415.6	3371.0	3291.7	3296.6	3316.5	3301.6	3316.5	3395.8	3420.6	3455.3
20°	3410.7	3371.0	3356.1	3306.6	3351.2	3341.3	3336.3	3366.0	3390.8	3435.4	3475.1
22.5°	3400.7	3415.6	3356.1	3351.2	3390.8	3410.7	3420.6	3385.9	3415.6	3445.4	3480.1
25°	3485.0	3430.5	3415.6	3405.7	3425.5	3445.4	3435.4	3465.2	3465.2	3499.9	3544.5
27.5°	3713.1	3718.0	3688.3	3569.3	3529.6	3485.0	3504.8	3584.2	3678.4	3752.7	3767.6
30°	3817.2	3837.0	3916.3	3896.5	3881.6	3896.5	3891.5	3911.3	3921.3	3926.2	3911.3
32.5°	3911.3	3901.4	3866.7	3956.0	4248.4	4471.5	4258.4	3965.9	3901.4	3881.6	3901.4
35°	4253.4	4253.4	4179.0	4065.0	4218.7	4273.2	4174.1	4035.3	4114.6	4278.2	4288.1
37.5°	4694.6	4630.2	4659.9	4645.0	4476.5	4357.5	4531.0	4620.2	4635.1	4630.2	4679.7
40°	4957.3	4912.7	4868.1	4947.4	5101.1	5210.2	5056.5	4843.3	4897.9	5006.9	4962.3
42.5°	5557.2	5443.2	5453.1	5373.8	5368.8	5334.1	5299.4	5314.3	5393.6	5517.5	5537.4
45°	6171.9	6226.4	6191.7	6043.0	6112.4	6112.4	6013.3	6087.6	6127.3	6271.0	6290.9
47.5°	7133.6	7108.8	7123.7	6989.9	6984.9	7019.6	6984.9	6989.9	7113.8	7103.9	7049.3
50°	8258.9	8328.3	8348.2	8283.7	8204.4	8189.5	8135.0	8204.4	8278.8	8283.7	8239.1
52.5°	9815.6	9889.9	9889.9	9909.7	10008.9	9959.3	9949.4	9954.4	9810.6	9711.4	9761.0
55°	11778.7	11803.4	11887.7	12061.2	12363.6	12403.3	12214.9	12130.6	11867.9	11709.3	11833.2
57.5°	13717.0	13816.1	14049.1	14500.2	14872.0	15278.5	14733.2	14178.0	13662.5	13409.6	13454.2
60°	15328.1	15471.9	15918.0	16547.6	17578.8	17950.6	17028.5	16076.7	15030.7	14257.3	14569.6
62.5°	16086.6	16309.7	16686.4	17960.5	19507.2	20042.6	18689.2	16959.1	15372.7	14629.1	14614.3
64°	16091.6	16126.3	16879.8	18253.0	19844.3	20880.4	19090.7	16959.1	15457.0	14539.9	14708.5
65°	15759.4	15903.2	16631.9	17985.3	19631.1	20949.8	18951.9	16726.1	15110.0	14396.1	14475.5
67.5°	14252.4	14247.4	14921.6	16265.1	18550.4	20161.5	17772.1	15422.3	14252.4	13479.0	13573.2
70°	10812.0	10985.5	11629.9	13280.7	16051.9	17777.1	15541.3	13107.2	11649.8	11030.1	10995.4
72.5°	6469.3	6697.4	7520.3	9533.0	12467.7	14564.7	12333.9	9696.6	7941.7	6960.1	6984.9
75°	2949.6	3118.2	3683.3	5324.2	8308.5	10648.4	8358.1	5606.8	4020.4	3395.8	3306.6
77.5°	827.9	932.0	1244.3	2444.0	4560.8	6385.1	4689.7	2701.8	1754.9	1457.5	1427.7
80°	371.8	391.6	441.2	594.9	1447.5	2815.8	1938.3	991.5	659.3	545.3	520.5
82.5°	203.3	218.1	287.5	307.4	411.5	748.6	639.5	466.0	396.6	317.3	307.4
85°	114.0	119.0	163.6	163.6	198.3	218.1	233.0	247.9	242.9	178.5	173.5
87.5°	34.7	39.7	49.6	49.6	49.6	49.6	79.3	109.1	119.0	84.3	84.3
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)