

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: P479593

Luminaire Tested: **IFLD-L-SA8D-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479593
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

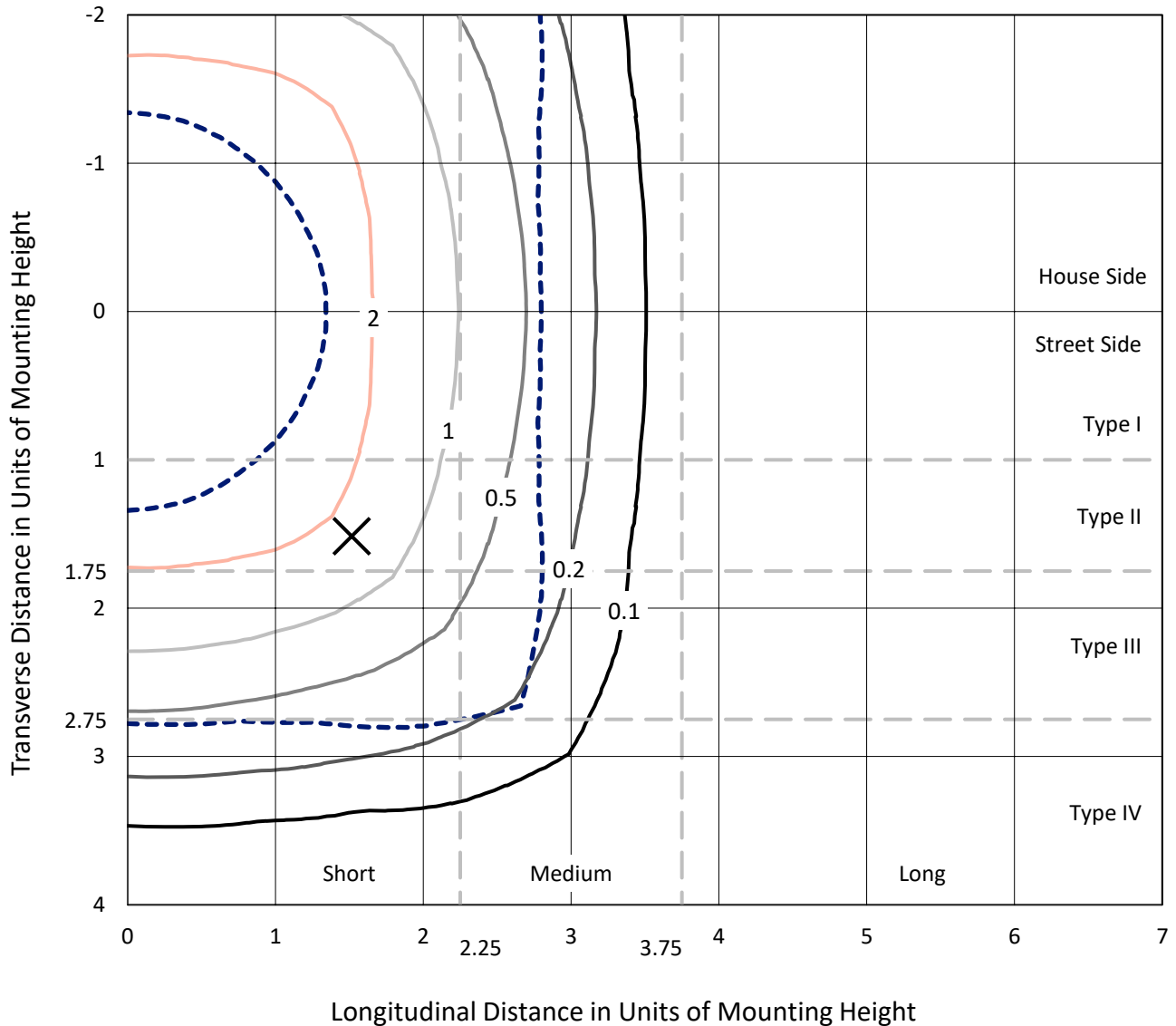
Lumens per Lamp: N/A
Luminaire Lumens: 42139.2 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 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

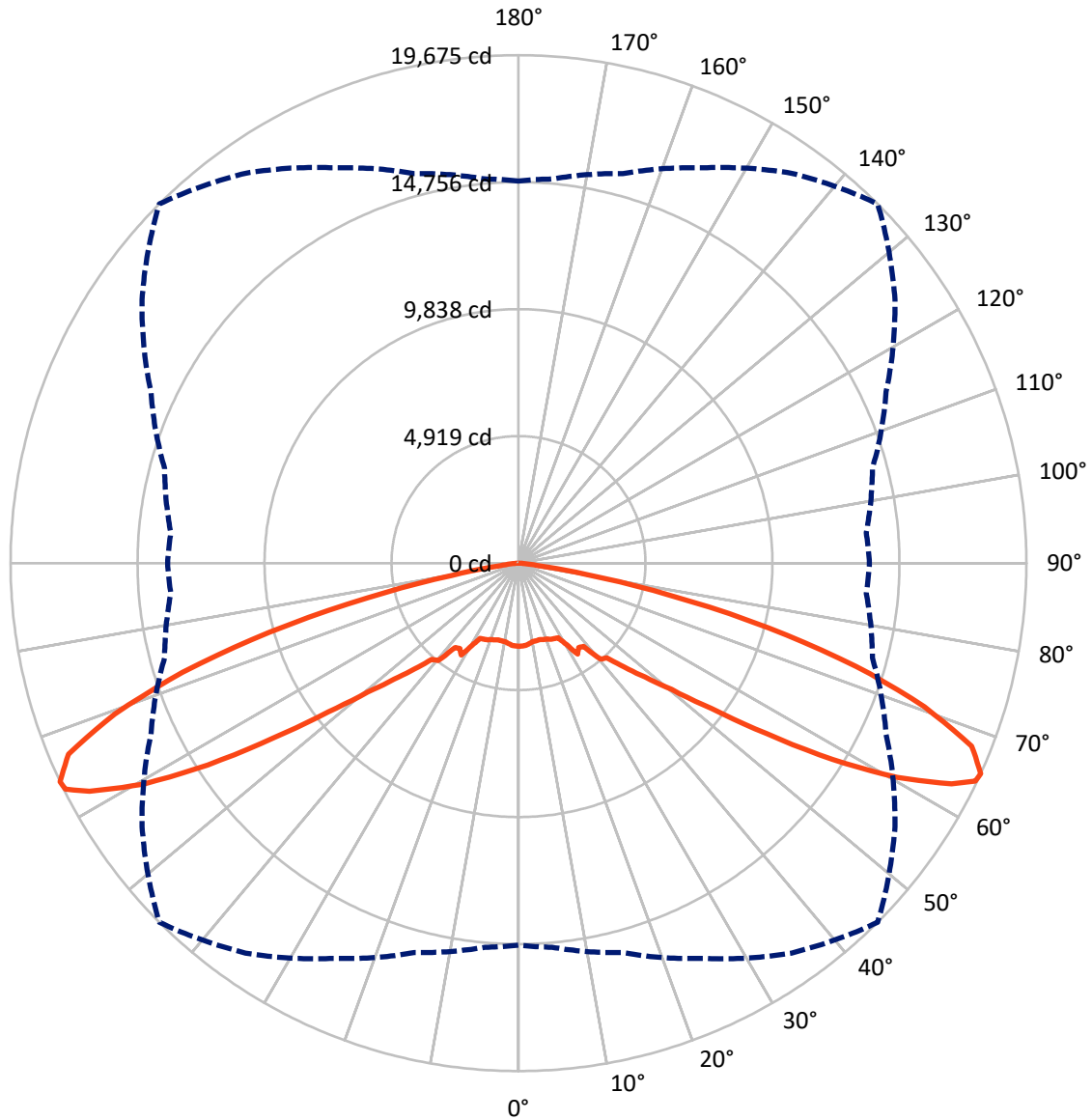
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 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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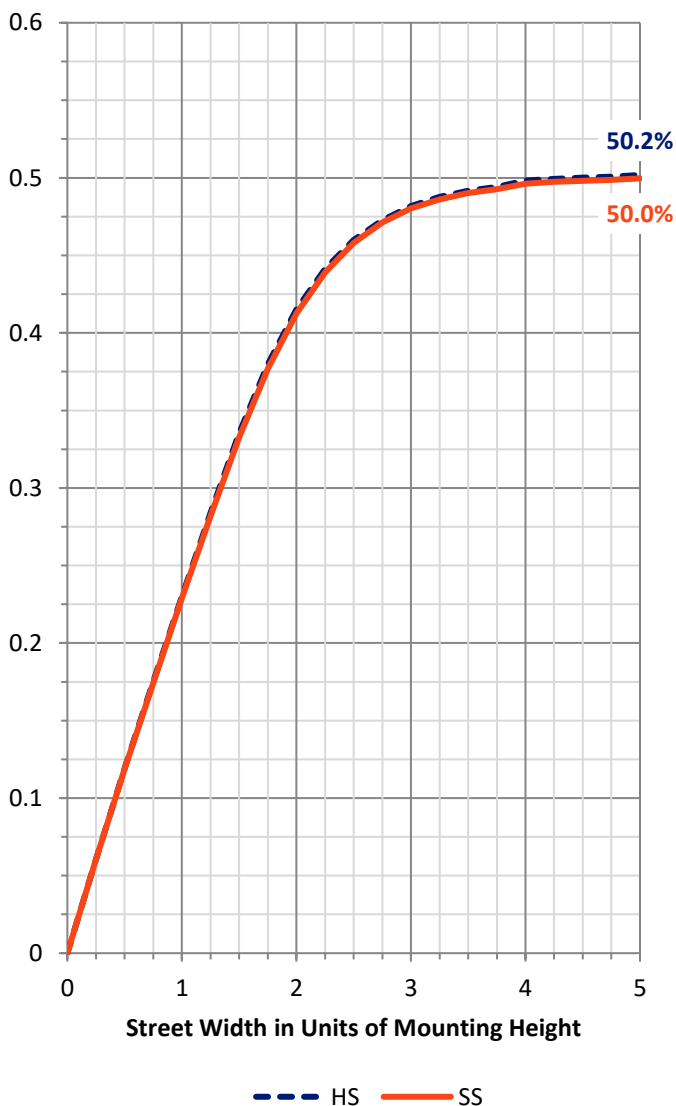
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21069.6	0.0	21069.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21069.6	0.0	21069.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	42139.2	0.0	42139.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.3	0.7
10°-20°	888.1	2.1
20°-30°	1537.3	3.6
30°-40°	2556.2	6.1
40°-50°	4611.8	10.9
50°-60°	10273.5	24.4
60°-70°	15310.8	36.3
70°-80°	6345.0	15.1
80°-90°	314.3	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°	42139.2	100.0
0°-180°	42139.2	100.0

Coefficient of Utilization



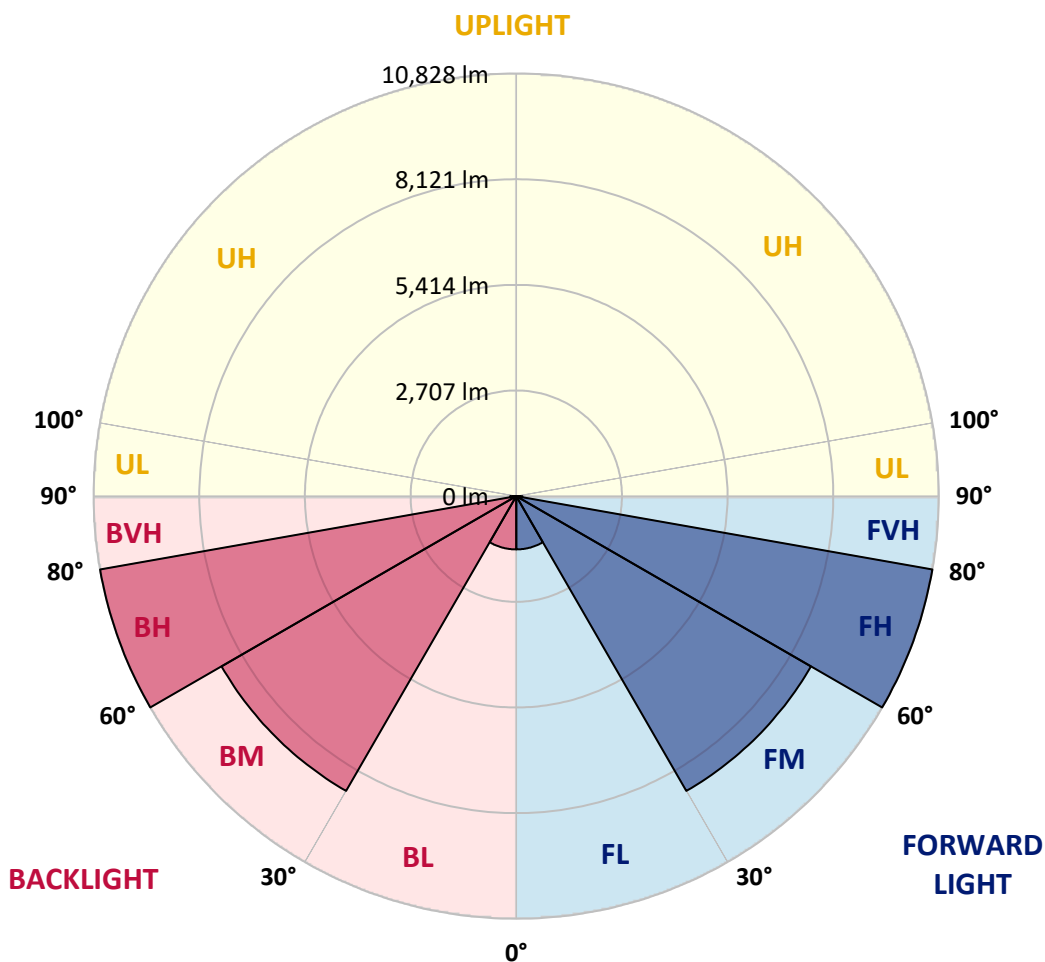
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.9	3.2			
FM (30°-60°)	8720.7	20.7			
FH (60°-80°)	10827.9	25.7			G4/12000
FVH (80°-90°)	157.1	0.4			G2/225
BL (0°-30°)	1363.9	3.2	B3/2500		
BM (30°-60°)	8720.7	20.7	B5		
BH (60°-80°)	10827.9	25.7	B5		G4/12000
BVH (80°-90°)	157.1	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°	3221.8	3221.8	3221.8	3221.8	3221.8	3221.8	3221.8	3221.8	3221.8	3221.8	3221.8
2.5°	3184.6	3193.9	3189.2	3189.2	3203.2	3212.5	3217.1	3263.7	3245.1	3259.0	3245.1
5°	3193.9	3193.9	3203.2	3193.9	3203.2	3193.9	3203.2	3189.2	3203.2	3212.5	3226.5
7.5°	3175.2	3165.9	3152.0	3152.0	3147.3	3138.0	3124.0	3161.3	3142.7	3156.6	3179.9
10°	3179.9	3165.9	3119.4	3128.7	3086.8	3086.8	3096.1	3096.1	3138.0	3184.6	3198.5
12.5°	3179.9	3152.0	3138.0	3077.5	3077.5	3082.1	3105.4	3114.7	3142.7	3161.3	3207.8
15°	3179.9	3165.9	3142.7	3063.5	3082.1	3072.8	3096.1	3096.1	3156.6	3189.2	3212.5
17.5°	3198.5	3207.8	3165.9	3091.4	3096.1	3114.7	3100.8	3114.7	3189.2	3212.5	3245.1
20°	3203.2	3165.9	3152.0	3105.4	3147.3	3138.0	3133.3	3161.3	3184.6	3226.5	3263.7
22.5°	3193.9	3207.8	3152.0	3147.3	3184.6	3203.2	3212.5	3179.9	3207.8	3235.8	3268.4
25°	3273.0	3221.8	3207.8	3198.5	3217.1	3235.8	3226.5	3254.4	3254.4	3287.0	3328.9
27.5°	3487.2	3491.8	3463.9	3352.2	3314.9	3273.0	3291.6	3366.1	3454.6	3524.4	3538.4
30°	3585.0	3603.6	3678.1	3659.4	3645.5	3659.4	3654.8	3673.4	3682.7	3687.4	3673.4
32.5°	3673.4	3664.1	3631.5	3715.3	3990.0	4199.5	3999.3	3724.6	3664.1	3645.5	3664.1
35°	3994.7	3994.7	3924.8	3817.7	3962.1	4013.3	3920.2	3789.8	3864.3	4017.9	4027.3
37.5°	4409.0	4348.5	4376.4	4362.5	4204.2	4092.4	4255.4	4339.2	4353.2	4348.5	4395.1
40°	4655.8	4613.9	4572.0	4646.5	4790.8	4893.2	4748.9	4548.7	4599.9	4702.3	4660.4
42.5°	5219.1	5112.0	5121.4	5046.9	5042.2	5009.6	4977.0	4991.0	5065.5	5181.9	5200.5
45°	5796.4	5847.7	5815.1	5675.4	5740.6	5740.6	5647.5	5717.3	5754.5	5889.6	5908.2
47.5°	6699.7	6676.4	6690.4	6564.7	6560.0	6592.6	6560.0	6564.7	6681.0	6671.7	6620.5
50°	7756.5	7821.7	7840.3	7779.8	7705.3	7691.4	7640.1	7705.3	7775.2	7779.8	7737.9
52.5°	9218.4	9288.3	9288.3	9306.9	9400.0	9353.5	9344.2	9348.8	9213.8	9120.7	9167.2
55°	11062.1	11085.4	11164.6	11327.5	11611.5	11648.8	11471.8	11392.7	11145.9	10997.0	11113.4
57.5°	12882.5	12975.7	13194.5	13618.2	13967.3	14349.1	13837.0	13315.5	12831.3	12593.9	12635.8
60°	14395.7	14530.7	14949.7	15541.0	16509.4	16858.6	15992.6	15098.7	14116.3	13390.0	13683.3
62.5°	15108.0	15317.5	15671.4	16867.9	18320.5	18823.3	17552.3	15927.4	14437.6	13739.2	13725.2
64°	15112.7	15145.3	15852.9	17142.6	18637.1	19610.2	17929.4	15927.4	14516.7	13655.4	13813.7
65°	14800.7	14935.7	15620.1	16891.2	18436.9	19675.3	17799.1	15708.6	14190.8	13520.4	13594.9
67.5°	13385.4	13380.7	14013.9	15275.6	17421.9	18935.1	16691.0	14484.1	13385.4	12659.1	12747.5
70°	10154.3	10317.2	10922.5	12472.8	15075.4	16695.6	14595.9	12309.9	10941.1	10359.1	10326.5
72.5°	6075.8	6290.0	7062.8	8953.1	11709.3	13678.7	11583.6	9106.7	7458.6	6536.7	6560.0
75°	2770.2	2928.5	3459.2	5000.3	7803.1	10000.6	7849.6	5265.7	3775.8	3189.2	3105.4
77.5°	777.5	875.3	1168.6	2295.3	4283.3	5996.6	4404.4	2537.4	1648.1	1368.8	1340.9
80°	349.2	367.8	414.4	558.7	1359.5	2644.5	1820.4	931.2	619.2	512.1	488.9
82.5°	190.9	204.9	270.0	288.7	386.4	703.0	600.6	437.6	372.5	298.0	288.7
85°	107.1	111.7	153.6	153.6	186.2	204.9	218.8	232.8	228.1	167.6	163.0
87.5°	32.6	37.2	46.6	46.6	46.6	46.6	74.5	102.4	111.7	79.1	79.1
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)