

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: P479774

Luminaire Tested: **IFLD-S-SA6E-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479774
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

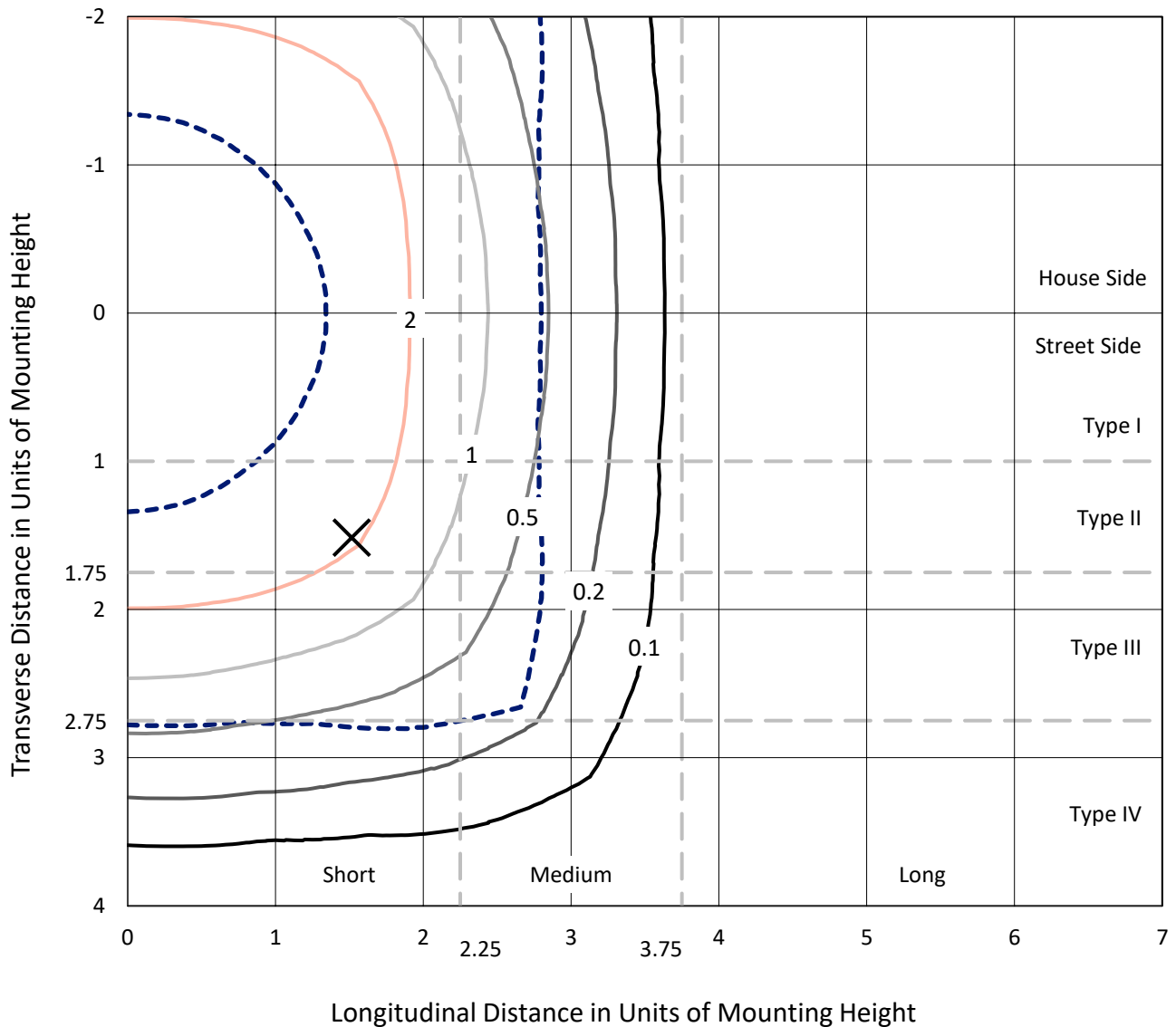
Lumens per Lamp: N/A
Luminaire Lumens: 55542.3 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 464.2
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

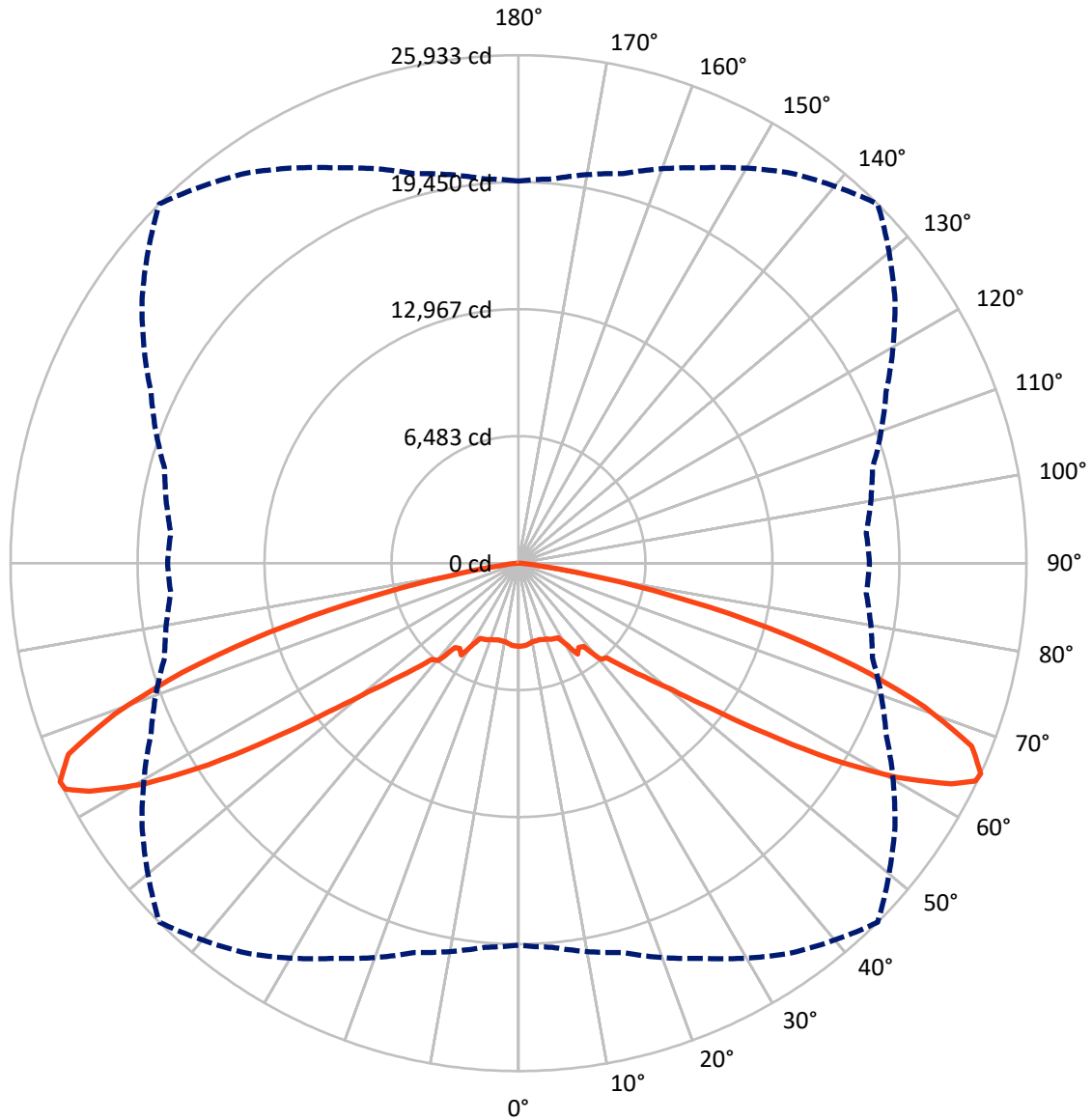
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.7 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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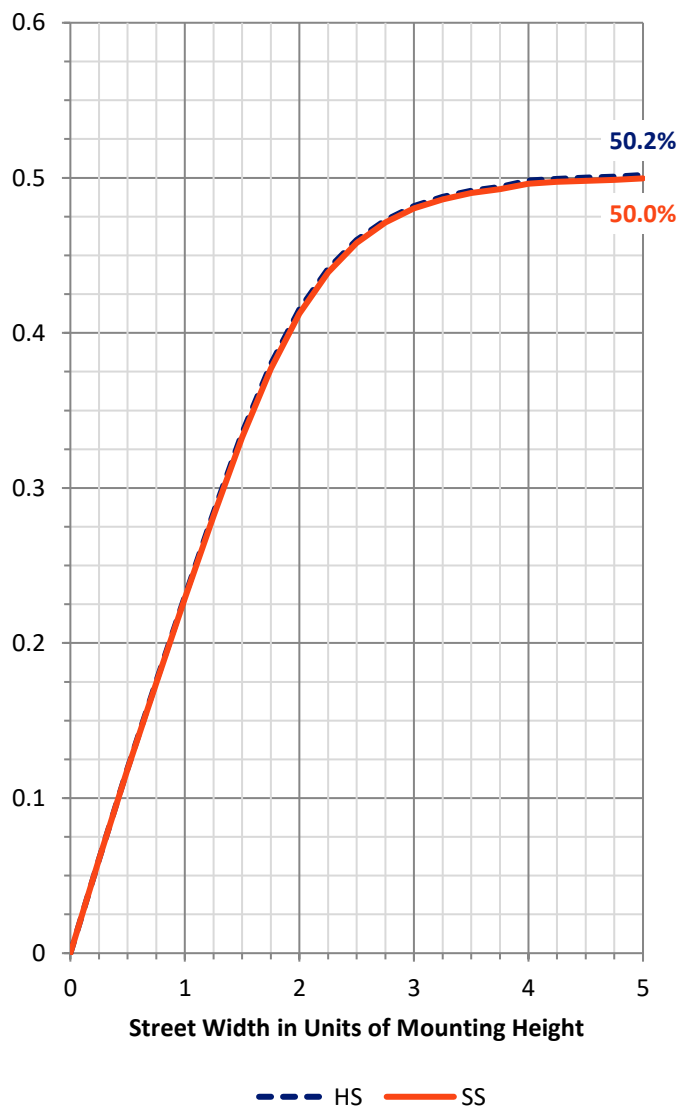
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27771.1	0.0	27771.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27771.1	0.0	27771.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	55542.3	0.0	55542.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.5	0.7
10°-20°	1170.6	2.1
20°-30°	2026.2	3.6
30°-40°	3369.2	6.1
40°-50°	6078.6	10.9
50°-60°	13541.1	24.4
60°-70°	20180.6	36.3
70°-80°	8363.1	15.1
80°-90°	414.2	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°	55542.3	100.0
0°-180°	55542.3	100.0

Coefficient of Utilization



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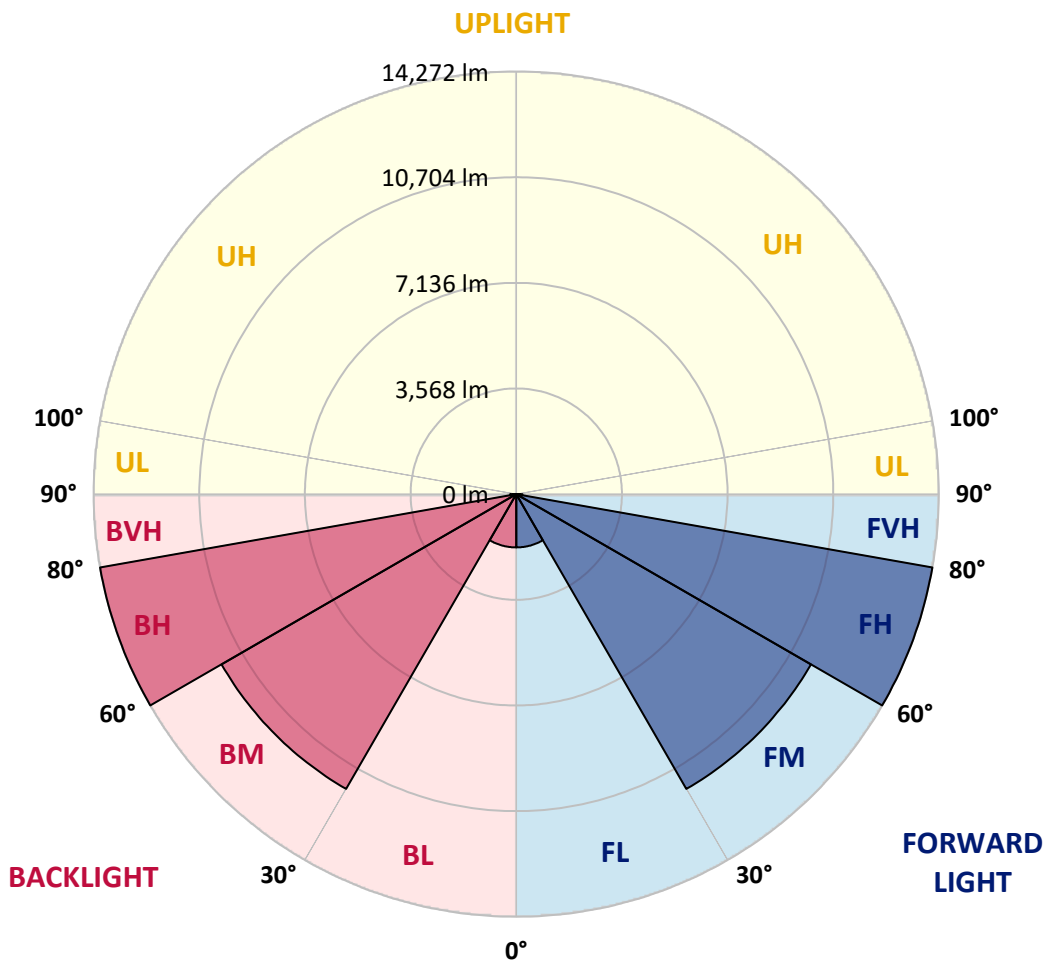
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1797.7	3.2			
FM (30°-60°)	11494.5	20.7			
FH (60°-80°)	14271.9	25.7			G5
FVH (80°-90°)	207.1	0.4			G2/225
BL (0°-30°)	1797.7	3.2	B3/2500		
BM (30°-60°)	11494.5	20.7	B5		
BH (60°-80°)	14271.9	25.7	B5		G5
BVH (80°-90°)	207.1	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-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5
2.5°	4197.5	4209.7	4203.6	4203.6	4222.0	4234.3	4240.4	4301.8	4277.2	4295.6	4277.2
5°	4209.7	4209.7	4222.0	4209.7	4222.0	4209.7	4222.0	4203.6	4222.0	4234.3	4252.7
7.5°	4185.2	4172.9	4154.5	4154.5	4148.4	4136.1	4117.7	4166.8	4142.2	4160.6	4191.3
10°	4191.3	4172.9	4111.5	4123.8	4068.6	4068.6	4080.9	4080.9	4136.1	4197.5	4215.9
12.5°	4191.3	4154.5	4136.1	4056.3	4056.3	4062.4	4093.1	4105.4	4142.2	4166.8	4228.1
15°	4191.3	4172.9	4142.2	4037.9	4062.4	4050.2	4080.9	4080.9	4160.6	4203.6	4234.3
17.5°	4215.9	4228.1	4172.9	4074.7	4080.9	4105.4	4087.0	4105.4	4203.6	4234.3	4277.2
20°	4222.0	4172.9	4154.5	4093.1	4148.4	4136.1	4129.9	4166.8	4197.5	4252.7	4301.8
22.5°	4209.7	4228.1	4154.5	4148.4	4197.5	4222.0	4234.3	4191.3	4228.1	4265.0	4307.9
25°	4314.0	4246.5	4228.1	4215.9	4240.4	4265.0	4252.7	4289.5	4289.5	4332.5	4387.7
27.5°	4596.3	4602.5	4565.6	4418.4	4369.3	4314.0	4338.6	4436.8	4553.4	4645.4	4663.8
30°	4725.2	4749.7	4847.9	4823.4	4805.0	4823.4	4817.3	4841.8	4854.1	4860.2	4841.8
32.5°	4841.8	4829.5	4786.6	4897.0	5259.1	5535.2	5271.4	4909.3	4829.5	4805.0	4829.5
35°	5265.2	5265.2	5173.2	5032.0	5222.3	5289.8	5167.0	4995.2	5093.4	5295.9	5308.2
37.5°	5811.4	5731.6	5768.4	5750.0	5541.4	5394.1	5608.9	5719.3	5737.7	5731.6	5793.0
40°	6136.6	6081.4	6026.2	6124.4	6314.6	6449.6	6259.4	5995.5	6063.0	6198.0	6142.8
42.5°	6879.2	6738.0	6750.3	6652.1	6646.0	6603.0	6560.1	6578.5	6676.6	6830.1	6854.6
45°	7640.1	7707.6	7664.6	7480.5	7566.5	7566.5	7443.7	7535.8	7584.9	7762.8	7787.4
47.5°	8830.6	8799.9	8818.3	8652.6	8646.5	8689.5	8646.5	8652.6	8806.1	8793.8	8726.3
50°	10223.6	10309.5	10334.1	10254.3	10156.1	10137.7	10070.2	10156.1	10248.2	10254.3	10199.1
52.5°	12150.5	12242.6	12242.6	12267.1	12389.8	12328.5	12316.2	12322.3	12144.4	12021.7	12083.0
55°	14580.6	14611.3	14715.6	14930.4	15304.7	15353.8	15120.6	15016.3	14691.1	14494.7	14648.1
57.5°	16980.0	17102.8	17391.2	17949.6	18409.9	18913.1	18238.1	17550.8	16912.5	16599.6	16654.8
60°	18974.4	19152.4	19704.7	20484.1	21760.5	22220.7	21079.3	19901.1	18606.3	17648.9	18035.5
62.5°	19913.4	20189.5	20655.9	22233.0	24147.6	24810.4	23135.1	20993.4	19029.7	18109.2	18090.8
64°	19919.5	19962.4	20895.2	22595.1	24564.9	25847.5	23632.1	20993.4	19134.0	17998.7	18207.4
65°	19508.3	19686.3	20588.4	22263.7	24301.0	25933.4	23460.3	20705.0	18704.4	17820.8	17918.9
67.5°	17642.8	17636.7	18471.2	20134.3	22963.3	24957.7	21999.8	19091.0	17642.8	16685.5	16802.1
70°	13384.0	13598.8	14396.5	16440.0	19870.4	22005.9	19238.3	16225.2	14421.1	13654.0	13611.0
72.5°	8008.3	8290.6	9309.3	11800.7	15433.6	18029.4	15267.9	12003.2	9830.9	8615.8	8646.5
75°	3651.3	3859.9	4559.5	6590.7	10285.0	13181.5	10346.4	6940.5	4976.8	4203.6	4093.1
77.5°	1024.8	1153.7	1540.3	3025.4	5645.7	7904.0	5805.2	3344.5	2172.4	1804.2	1767.3
80°	460.2	484.8	546.2	736.4	1791.9	3485.6	2399.4	1227.3	816.2	675.0	644.3
82.5°	251.6	270.0	355.9	380.5	509.3	926.6	791.6	576.8	490.9	392.7	380.5
85°	141.1	147.3	202.5	202.5	245.5	270.0	288.4	306.8	300.7	220.9	214.8
87.5°	43.0	49.1	61.4	61.4	61.4	61.4	98.2	135.0	147.3	104.3	104.3
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)