

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: P524085

Luminaire Tested: **IFLD-S-SA6E-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524085
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

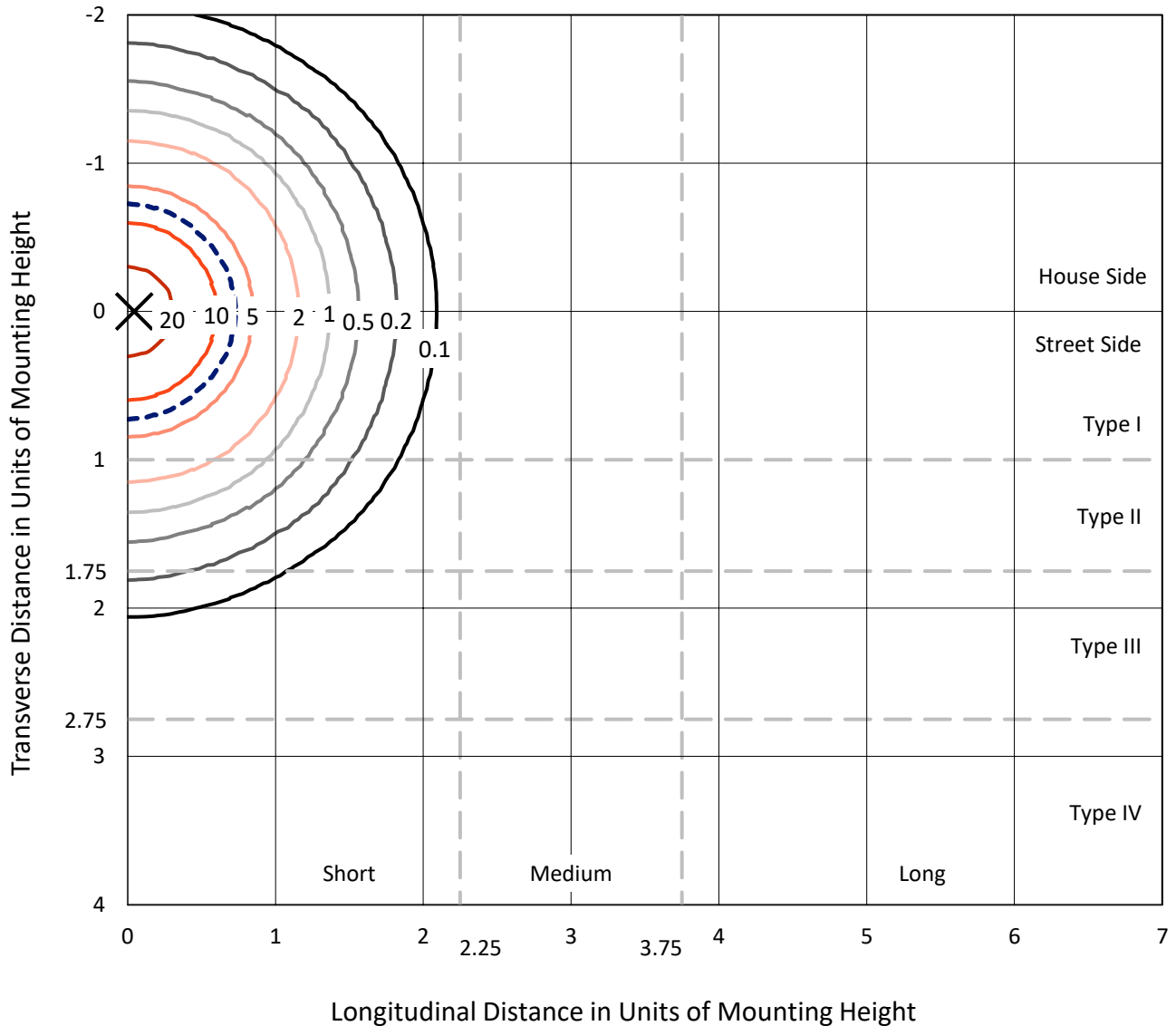
Lumens per Lamp: N/A
Luminaire Lumens: 34756 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

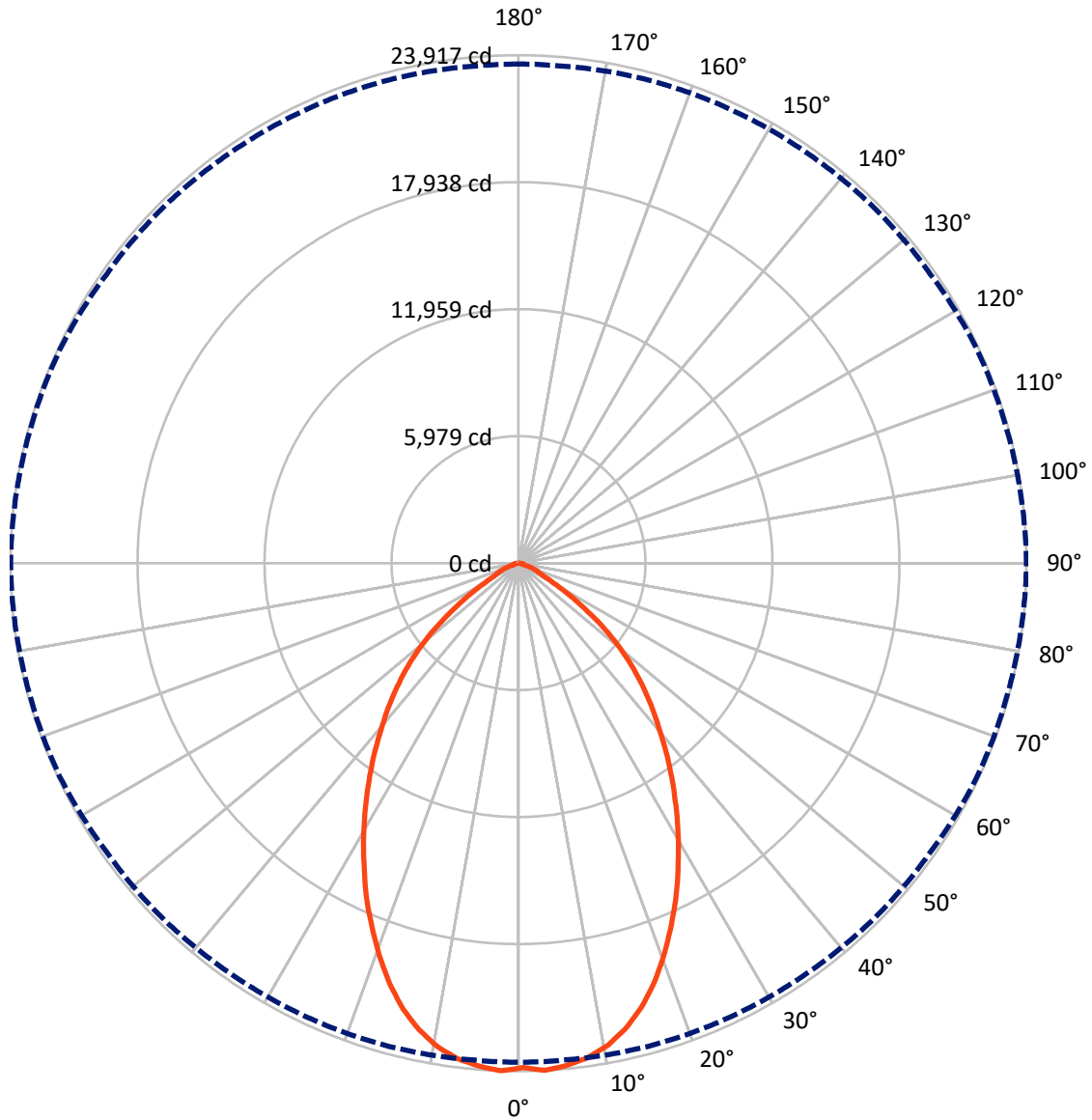
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 26.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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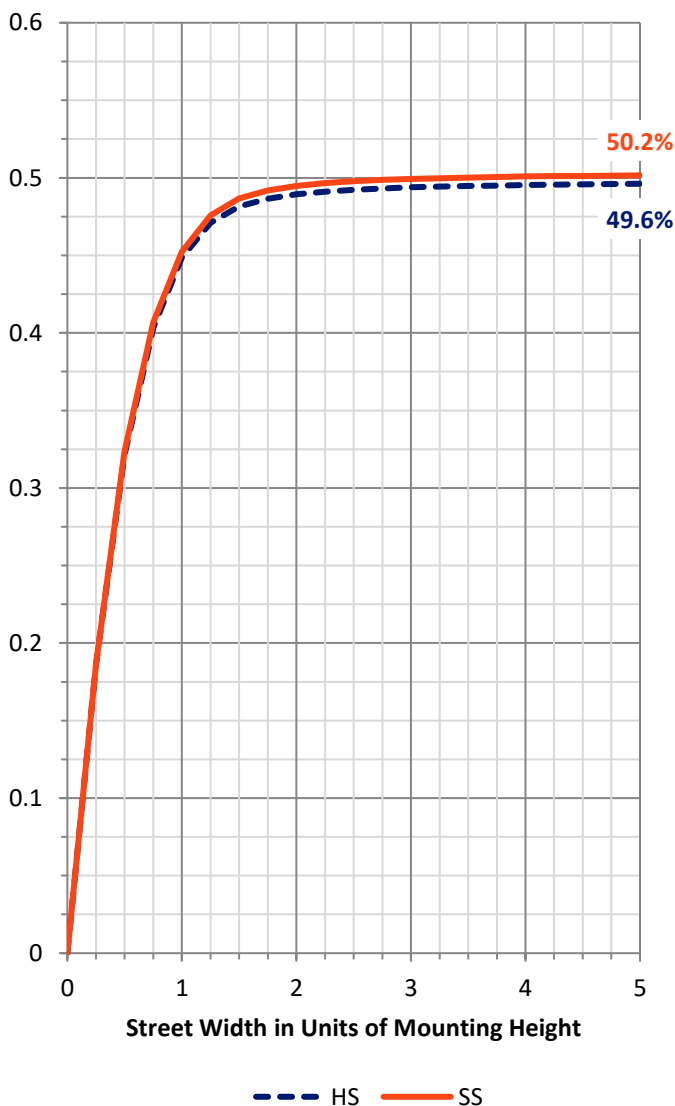
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17378.0	0.0	17378.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17378.0	0.0	17378.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34756.0	0.0	34756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2230.2	6.4
10°-20°	5992.6	17.2
20°-30°	7753.2	22.3
30°-40°	7646.5	22.0
40°-50°	6186.4	17.8
50°-60°	3368.3	9.7
60°-70°	1067.2	3.1
70°-80°	412.9	1.2
80°-90°	98.7	0.3
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°	34756.0	100.0
0°-180°	34756.0	100.0

Coefficient of Utilization



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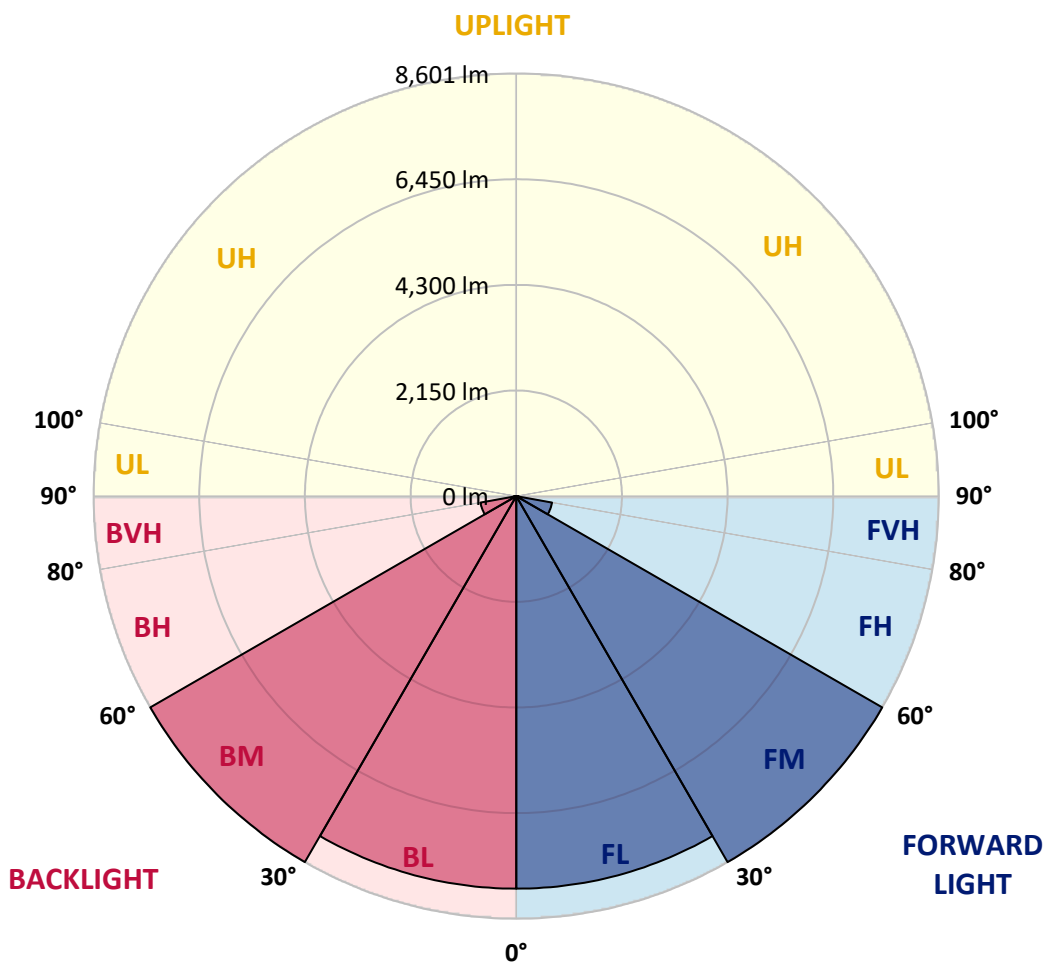
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7988.0	23.0			
FM (30°-60°)	8600.6	24.7			
FH (60°-80°)	740.1	2.1			G1/1800
FVH (80°-90°)	49.3	0.1			G1/100
BL (0°-30°)	7988.0	23.0	B5		
BM (30°-60°)	8600.6	24.7	B5		
BH (60°-80°)	740.1	2.1	B2/1000		G1/1800
BVH (80°-90°)	49.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	23756.7	23756.7	23756.7	23756.7	23756.7	23756.7	23756.7	23756.7	23756.7	23756.7	23756.7
2.5°	23500.6	23495.6	23555.8	23580.9	23611.0	23671.3	23691.4	23821.9	23837.0	23887.2	23917.4
5°	23460.4	23440.3	23500.6	23510.6	23545.8	23555.8	23585.9	23676.3	23666.3	23741.6	23756.7
7.5°	23244.5	23219.4	23269.6	23279.6	23329.8	23314.8	23365.0	23430.3	23430.3	23485.5	23510.6
10°	22762.4	22757.4	22807.6	22812.6	22882.9	22867.9	22948.2	22963.3	23003.4	23043.6	23088.8
12.5°	22184.9	22119.7	22184.9	22159.8	22255.2	22200.0	22310.5	22345.6	22365.7	22436.0	22471.2
15°	21441.8	21361.4	21406.6	21381.5	21441.8	21371.5	21487.0	21557.3	21582.4	21652.7	21687.8
17.5°	20447.5	20382.2	20392.3	20357.1	20397.3	20342.1	20452.5	20563.0	20598.2	20673.5	20723.7
20°	19197.2	19197.2	19202.2	19172.0	19207.2	19152.0	19222.3	19393.0	19428.1	19528.6	19613.9
22.5°	17976.9	17976.9	17992.0	17951.8	17961.9	17936.8	18012.1	18177.8	18233.0	18338.5	18443.9
25°	16806.9	16786.8	16796.9	16761.7	16721.6	16731.6	16822.0	16927.4	17048.0	17183.5	17263.9
27.5°	15692.2	15717.3	15657.0	15631.9	15601.8	15546.5	15652.0	15782.5	15867.9	15978.4	16018.6
30°	14502.1	14552.3	14507.1	14487.0	14411.7	14341.4	14451.8	14582.4	14667.8	14773.2	14818.4
32.5°	13442.5	13427.5	13387.3	13342.1	13266.8	13211.5	13256.7	13407.4	13472.7	13583.1	13598.2
35°	12307.7	12297.6	12272.5	12182.1	12157.0	12091.7	12131.9	12262.5	12312.7	12378.0	12428.2
37.5°	11197.9	11162.8	11152.7	11117.6	11072.4	11057.3	11057.3	11127.6	11177.8	11243.1	11293.3
40°	10098.2	10108.3	10078.1	10048.0	10032.9	10012.9	10017.9	10058.0	10098.2	10128.3	10158.5
42.5°	9104.0	9048.7	9028.6	8998.5	9013.6	9038.7	8983.4	9043.7	9093.9	9093.9	9159.2
45°	7964.1	7989.2	7999.2	8049.4	8049.4	8024.3	8004.3	8034.4	8084.6	8079.6	8144.9
47.5°	6969.8	6939.7	6964.8	7040.1	7105.4	7115.5	7055.2	7070.3	7085.3	7060.2	7120.5
50°	5880.2	5890.2	5885.2	6000.7	6131.2	6086.0	6040.9	6055.9	6050.9	6050.9	6060.9
52.5°	4695.1	4720.2	4690.1	4855.8	4996.4	4961.2	4931.1	4931.1	4956.2	4951.2	4946.2
55°	3615.5	3605.4	3540.2	3620.5	3746.0	3751.1	3705.9	3725.9	3751.1	3776.2	3771.1
57.5°	2691.5	2661.4	2571.0	2576.0	2716.6	2751.8	2711.6	2706.6	2736.7	2746.8	2802.0
60°	1812.8	1807.7	1727.4	1722.4	1777.6	1873.0	1827.8	1827.8	1837.9	1852.9	1868.0
62.5°	1240.3	1250.4	1220.2	1215.2	1225.2	1305.6	1300.6	1295.5	1290.5	1310.6	1305.6
65°	974.2	979.2	969.1	969.1	974.2	1009.3	1044.5	1049.5	1054.5	1059.5	1054.5
67.5°	783.4	788.4	778.3	788.4	788.4	793.4	843.6	863.7	868.7	868.7	863.7
70°	602.6	622.7	632.7	632.7	632.7	632.7	667.9	693.0	687.9	657.8	627.7
72.5°	301.3	366.6	507.2	512.2	507.2	502.1	522.2	547.3	542.3	381.6	286.2
75°	200.9	215.9	396.7	416.8	411.8	391.7	411.8	441.9	431.8	246.1	236.0
77.5°	115.5	125.5	266.1	306.3	331.4	286.2	326.4	356.5	341.5	200.9	195.8
80°	90.4	85.4	190.8	236.0	226.0	180.8	266.1	286.2	261.1	150.6	135.6
82.5°	55.2	55.2	125.5	180.8	165.7	105.5	185.8	220.9	195.8	110.5	100.4
85°	30.1	35.2	60.3	90.4	95.4	70.3	100.4	120.5	120.5	70.3	70.3
87.5°	15.1	15.1	20.1	20.1	25.1	30.1	30.1	35.2	25.1	20.1	20.1
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)