

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: P524212

Luminaire Tested: **IFLD-L-SA7E-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524212
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

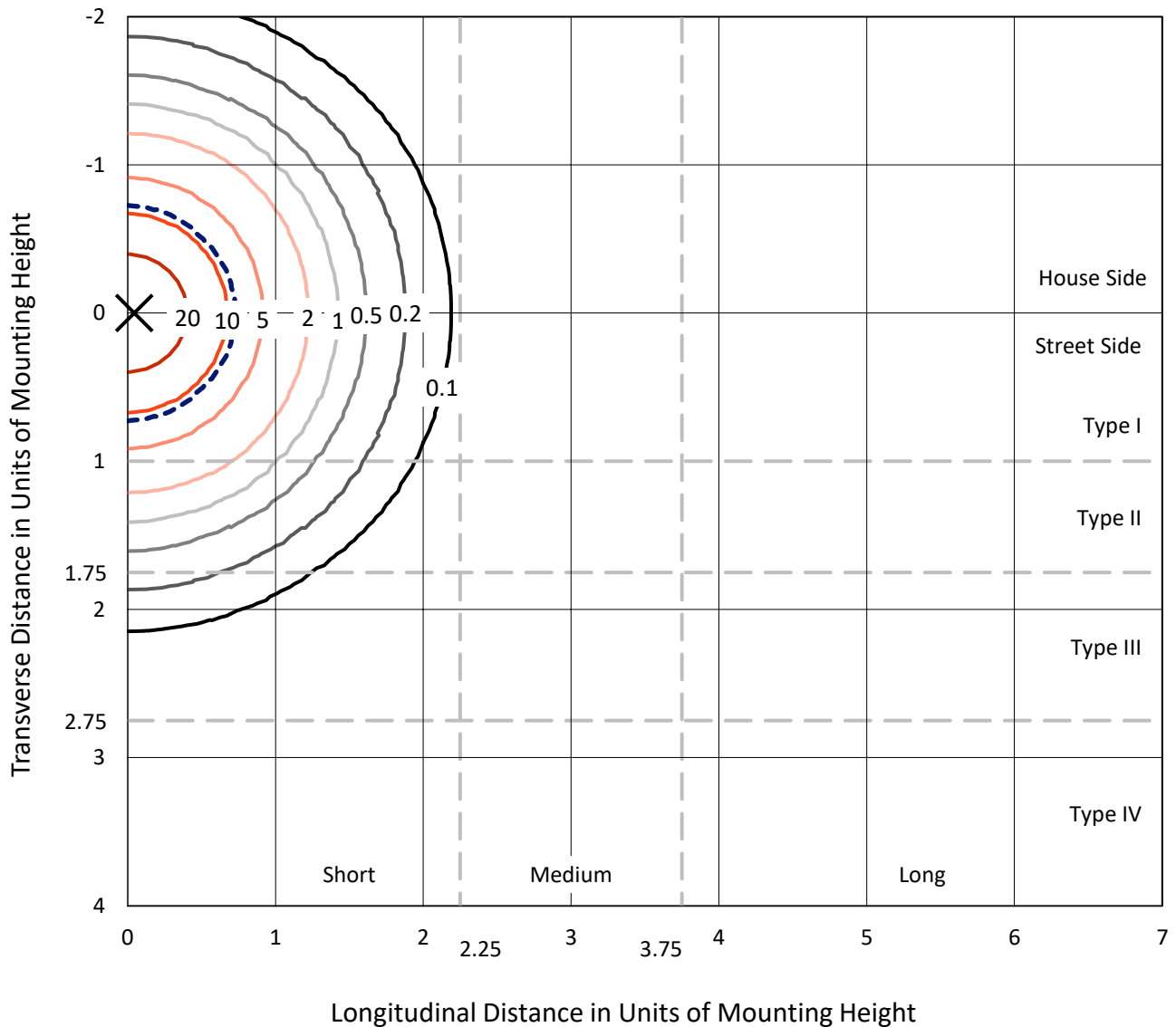
Lumens per Lamp: N/A
Luminaire Lumens: 42324.3 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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

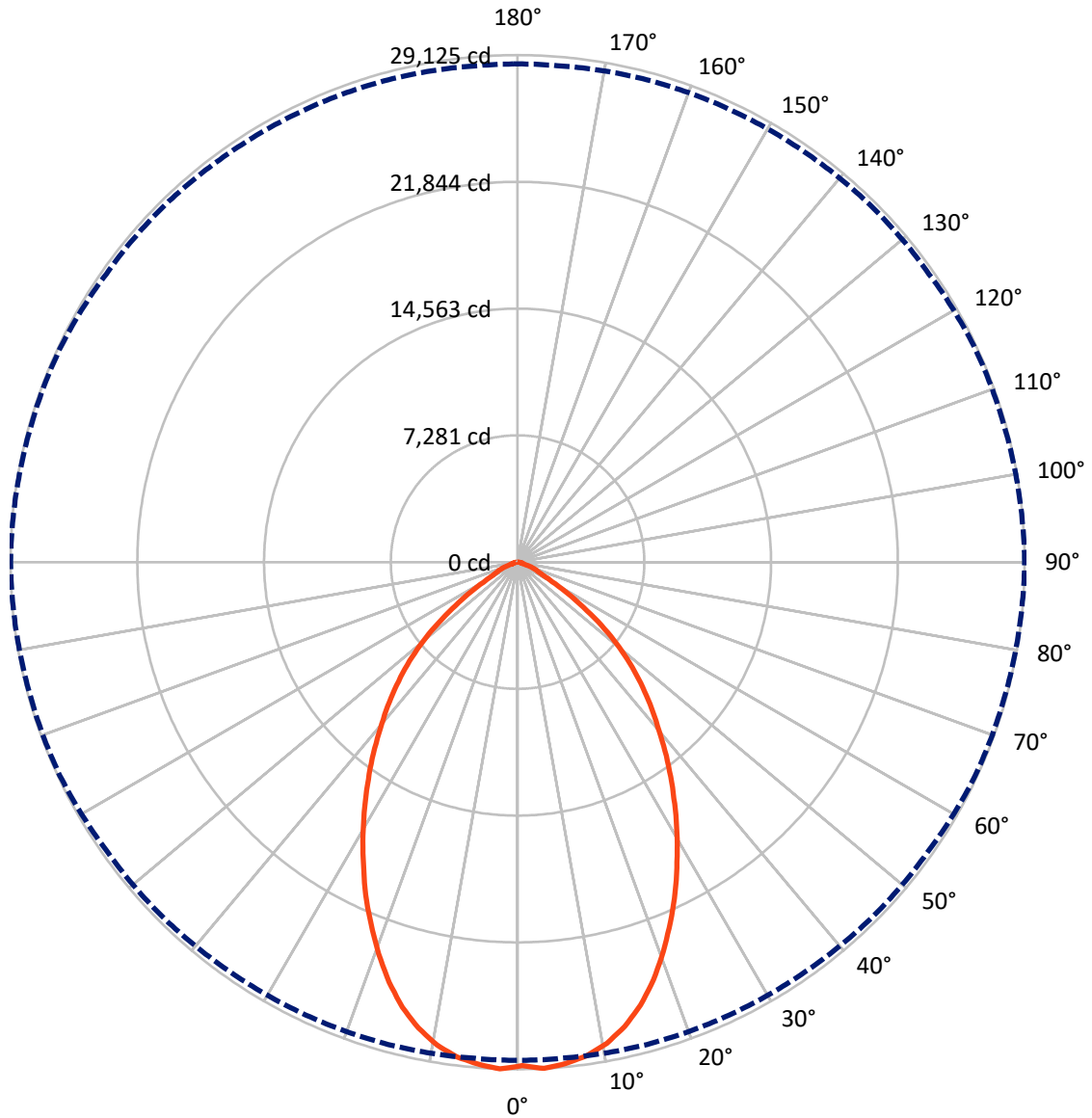
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 32.1 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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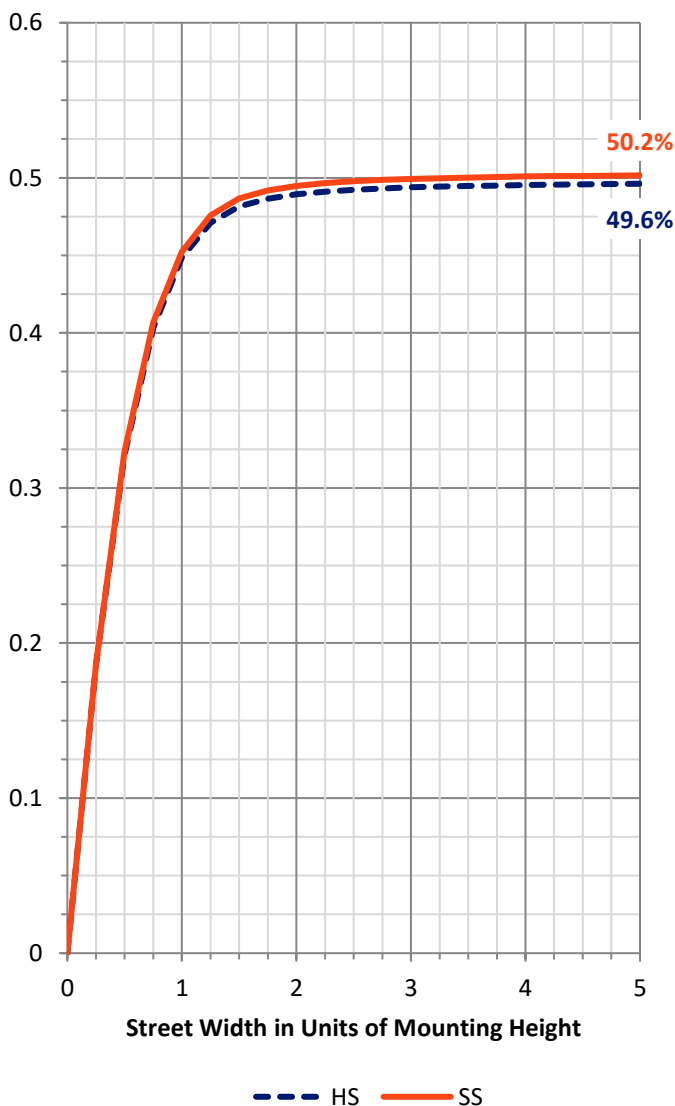
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21162.1	0.0	21162.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21162.1	0.0	21162.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	42324.3	0.0	42324.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2715.8	6.4
10°-20°	7297.5	17.2
20°-30°	9441.5	22.3
30°-40°	9311.6	22.0
40°-50°	7533.5	17.8
50°-60°	4101.8	9.7
60°-70°	1299.6	3.1
70°-80°	502.8	1.2
80°-90°	120.2	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°	42324.3	100.0
0°-180°	42324.3	100.0

Coefficient of Utilization



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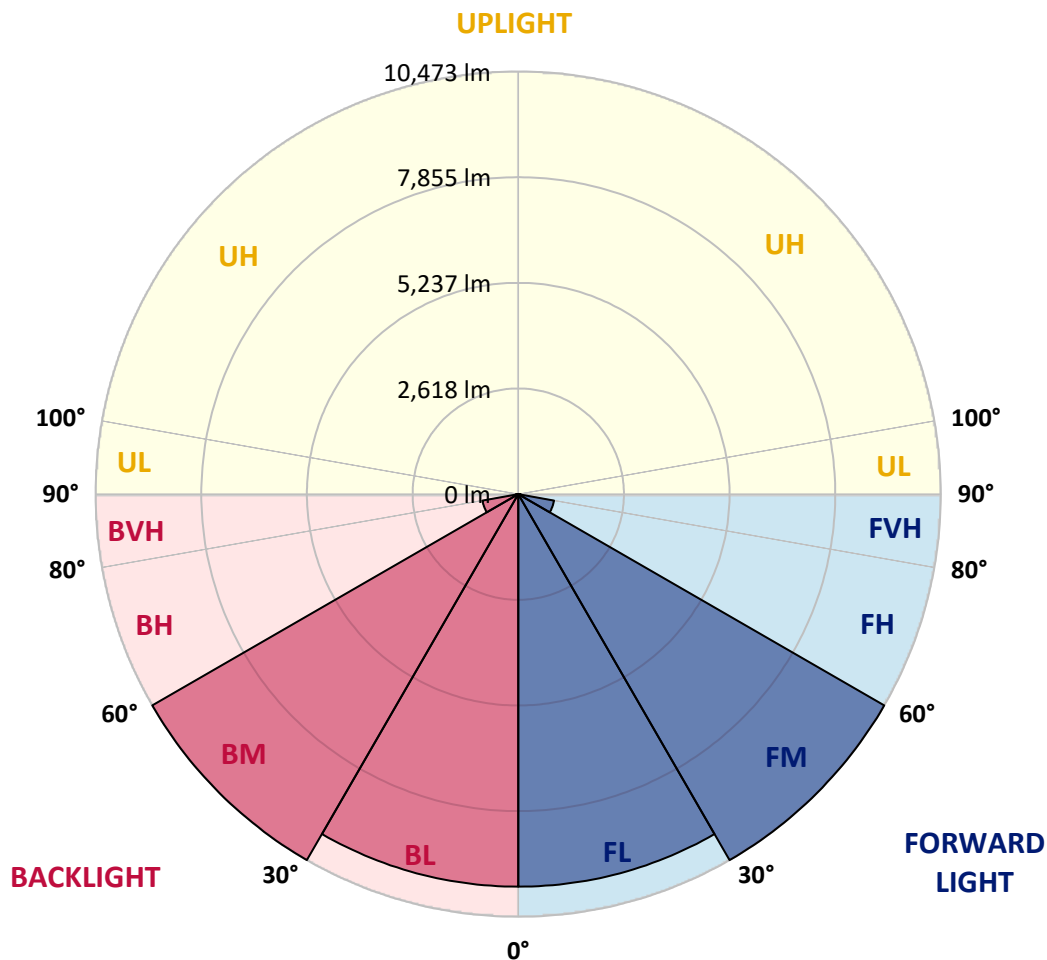
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9727.4	23.0			
FM (30°-60°)	10473.4	24.7			
FH (60°-80°)	901.2	2.1			G1/1800
FVH (80°-90°)	60.1	0.1			G1/100
BL (0°-30°)	9727.4	23.0	B5		
BM (30°-60°)	10473.4	24.7	B5		
BH (60°-80°)	901.2	2.1	B2/1000		G1/1800
BVH (80°-90°)	60.1	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°	28929.8	28929.8	28929.8	28929.8	28929.8	28929.8	28929.8	28929.8	28929.8	28929.8	28929.8
2.5°	28617.9	28611.8	28685.2	28715.7	28752.4	28825.8	28850.3	29009.2	29027.6	29088.7	29125.4
5°	28569.0	28544.5	28617.9	28630.1	28672.9	28685.2	28721.8	28831.9	28819.7	28911.4	28929.8
7.5°	28306.0	28275.5	28336.6	28348.8	28410.0	28391.6	28452.8	28532.3	28532.3	28599.5	28630.1
10°	27719.0	27712.9	27774.0	27780.1	27865.8	27847.4	27945.2	27963.6	28012.5	28061.4	28116.5
12.5°	27015.8	26936.3	27015.8	26985.2	27101.4	27034.1	27168.7	27211.5	27235.9	27321.5	27364.3
15°	26110.8	26012.9	26068.0	26037.4	26110.8	26025.2	26165.8	26251.4	26282.0	26367.6	26410.4
17.5°	24900.0	24820.5	24832.7	24789.9	24838.9	24771.6	24906.1	25040.7	25083.5	25175.2	25236.3
20°	23377.4	23377.4	23383.5	23346.8	23389.6	23322.4	23408.0	23615.9	23658.7	23781.0	23884.9
22.5°	21891.5	21891.5	21909.8	21860.9	21873.1	21842.5	21934.3	22136.1	22203.3	22331.7	22460.2
25°	20466.7	20442.2	20454.5	20411.6	20362.7	20375.0	20485.0	20613.4	20760.2	20925.3	21023.1
27.5°	19109.2	19139.7	19066.4	19035.8	18999.1	18931.8	19060.2	19219.2	19323.2	19457.7	19506.6
30°	17659.9	17721.1	17666.0	17641.6	17549.9	17464.3	17598.8	17757.8	17861.7	17990.1	18045.2
32.5°	16369.7	16351.3	16302.4	16247.4	16155.7	16088.4	16143.4	16326.9	16406.4	16540.9	16559.2
35°	14987.7	14975.5	14944.9	14834.8	14804.3	14724.8	14773.7	14932.7	14993.8	15073.3	15134.5
37.5°	13636.3	13593.5	13581.3	13538.5	13483.4	13465.1	13465.1	13550.7	13611.8	13691.3	13752.5
40°	12297.1	12309.4	12272.7	12236.0	12217.6	12193.2	12199.3	12248.2	12297.1	12333.8	12370.5
42.5°	11086.4	11019.1	10994.7	10958.0	10976.3	11006.9	10939.6	11013.0	11074.1	11074.1	11153.6
45°	9698.3	9728.9	9741.1	9802.2	9802.2	9771.7	9747.2	9783.9	9845.0	9838.9	9918.4
47.5°	8487.5	8450.8	8481.4	8573.1	8652.6	8664.9	8591.5	8609.8	8628.2	8597.6	8671.0
50°	7160.6	7172.8	7166.7	7307.3	7466.3	7411.3	7356.3	7374.6	7368.5	7368.5	7380.7
52.5°	5717.5	5748.0	5711.3	5913.1	6084.4	6041.6	6004.9	6004.9	6035.4	6029.3	6023.2
55°	4402.8	4390.5	4311.0	4408.9	4561.7	4567.9	4512.8	4537.3	4567.9	4598.4	4592.3
57.5°	3277.6	3240.9	3130.8	3137.0	3308.2	3351.0	3302.1	3295.9	3332.6	3344.9	3412.1
60°	2207.5	2201.4	2103.5	2097.4	2164.7	2280.9	2225.8	2225.8	2238.1	2256.4	2274.8
62.5°	1510.4	1522.6	1485.9	1479.8	1492.0	1589.9	1583.8	1577.7	1571.5	1596.0	1589.9
65°	1186.3	1192.4	1180.2	1180.2	1186.3	1229.1	1271.9	1278.0	1284.1	1290.3	1284.1
67.5°	953.9	960.0	947.8	960.0	960.0	966.2	1027.3	1051.8	1057.9	1057.9	1051.8
70°	733.8	758.3	770.5	770.5	770.5	770.5	813.3	843.9	837.7	801.1	764.4
72.5°	366.9	446.4	617.6	623.7	617.6	611.5	636.0	666.5	660.4	464.7	348.6
75°	244.6	262.9	483.1	507.5	501.4	477.0	501.4	538.1	525.9	299.6	287.4
77.5°	140.6	152.9	324.1	373.0	403.6	348.6	397.5	434.2	415.8	244.6	238.5
80°	110.1	104.0	232.4	287.4	275.2	220.1	324.1	348.6	318.0	183.4	165.1
82.5°	67.3	67.3	152.9	220.1	201.8	128.4	226.3	269.1	238.5	134.5	122.3
85°	36.7	42.8	73.4	110.1	116.2	85.6	122.3	146.8	146.8	85.6	85.6
87.5°	18.3	18.3	24.5	24.5	30.6	36.7	36.7	42.8	30.6	24.5	24.5
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)