

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: P524407

Luminaire Tested: **IFLD-L-SA7E-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524407
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-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

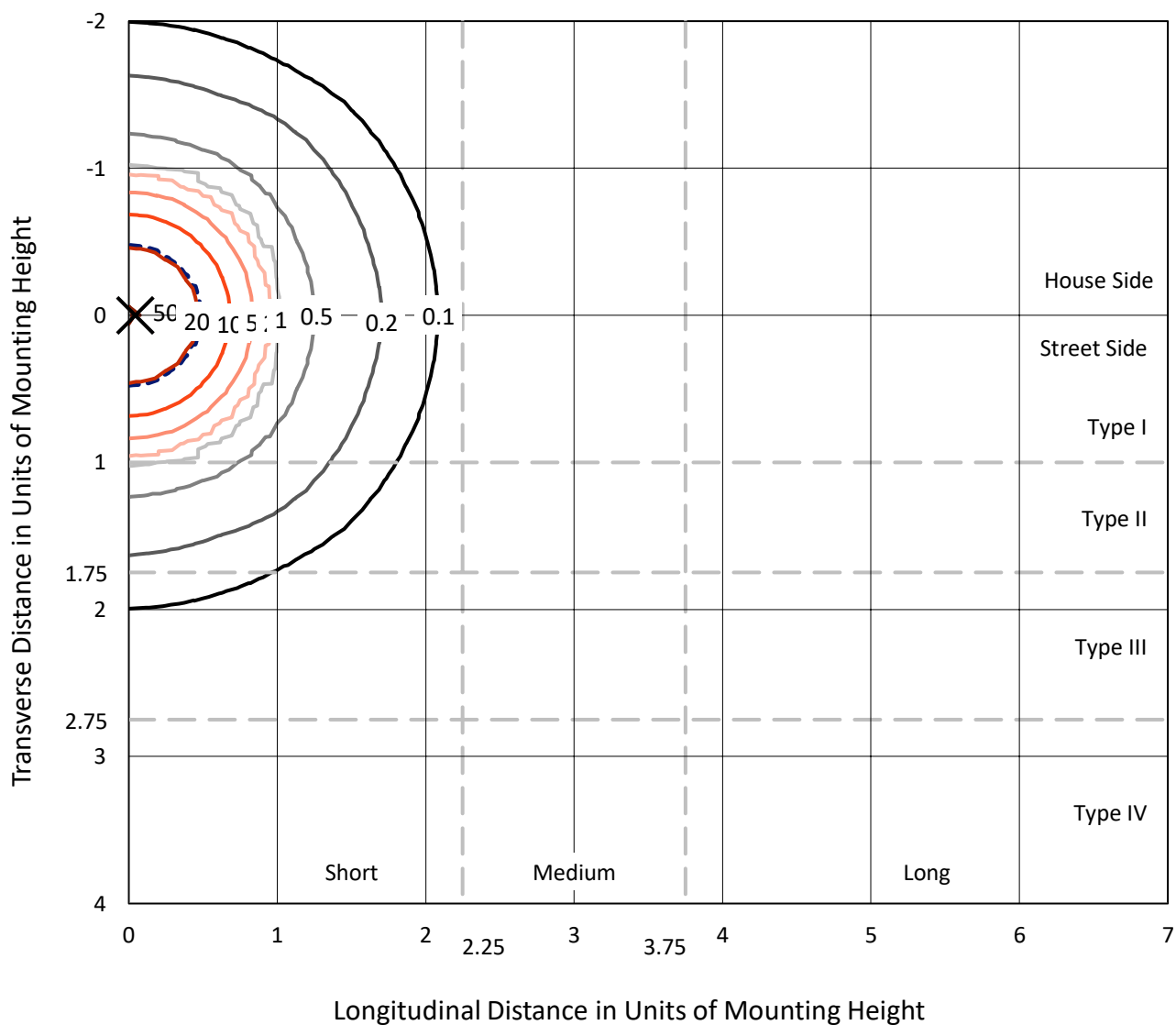
Lumens per Lamp: N/A
Luminaire Lumens: 40355.5 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

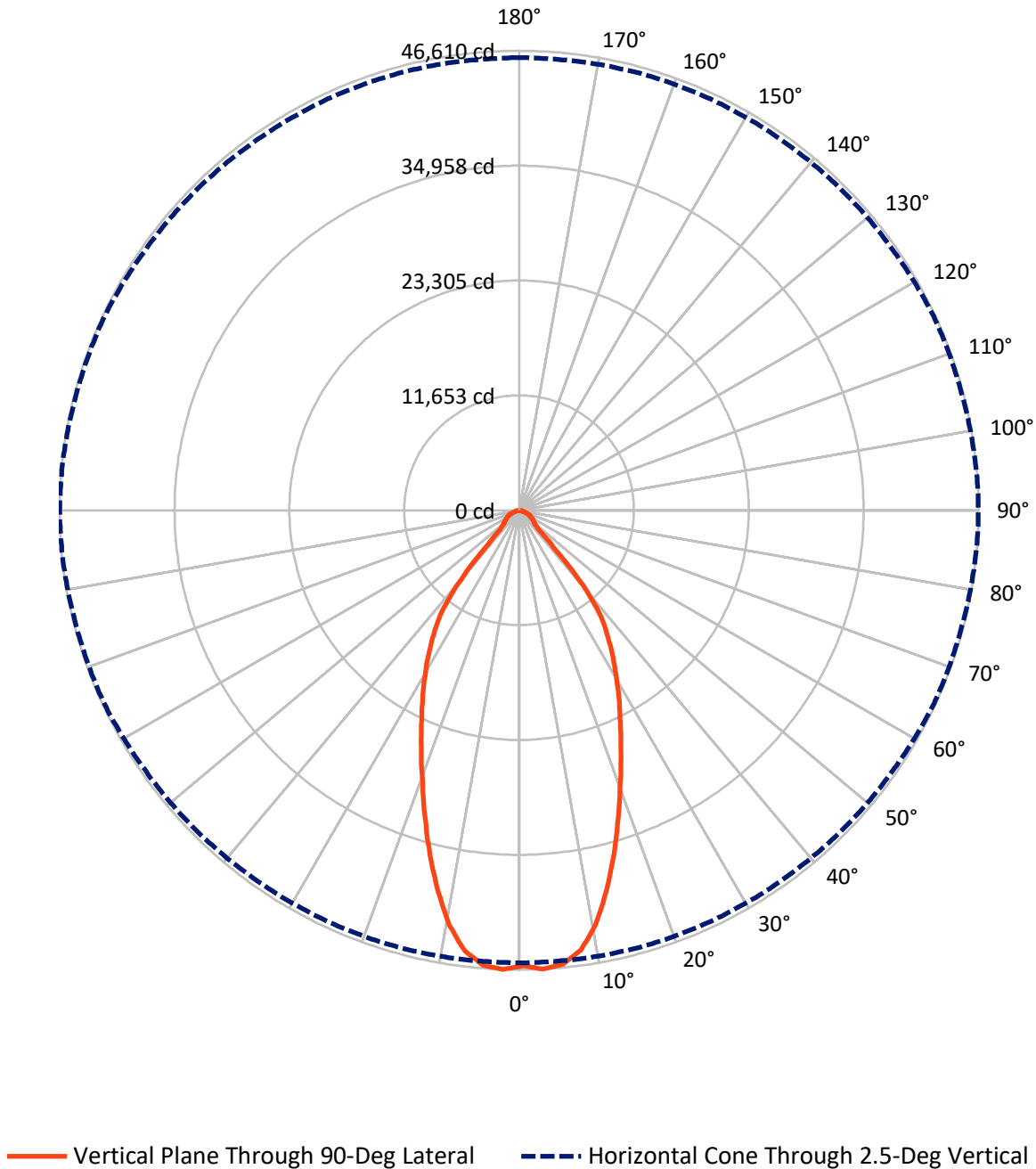
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 51.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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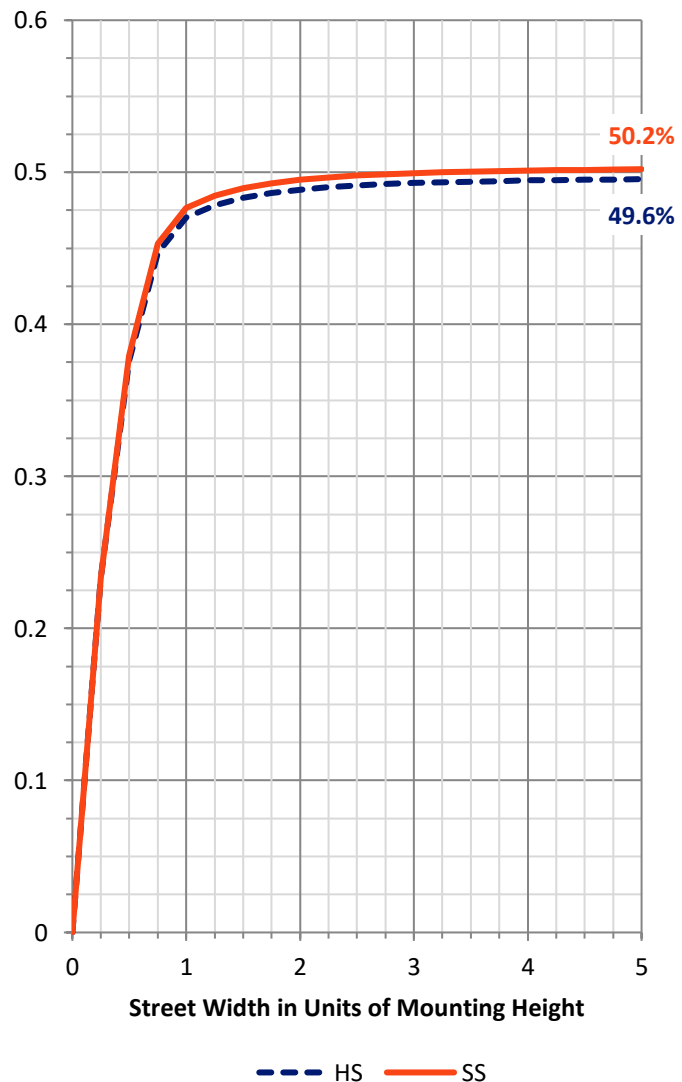
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20177.8	0.0	20177.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20177.8	0.0	20177.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	40355.5	0.0	40355.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4258.5	10.6
10°-20°	9830.3	24.4
20°-30°	10792.8	26.7
30°-40°	9358.1	23.2
40°-50°	3079.2	7.6
50°-60°	1380.6	3.4
60°-70°	975.8	2.4
70°-80°	529.8	1.3
80°-90°	150.3	0.4
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°	40355.5	100.0
0°-180°	40355.5	100.0

Coefficient of Utilization



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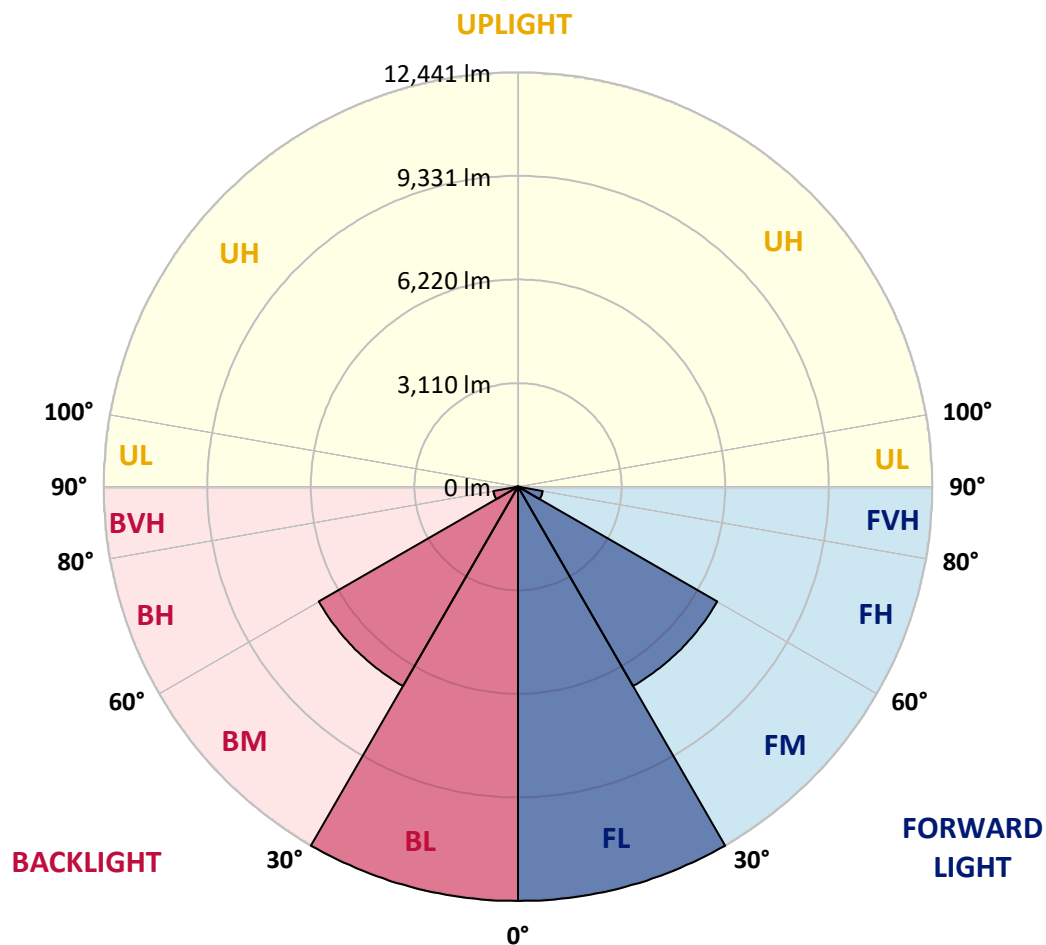
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12440.8	30.8			
FM	(30°-60°)	6909.0	17.1			
FH	(60°-80°)	752.8	1.9			G1/1800
FVH	(80°-90°)	75.1	0.2			G1/100
BL	(0°-30°)	12440.8	30.8	B5		
BM	(30°-60°)	6909.0	17.1	B4/8500		
BH	(60°-80°)	752.8	1.9	B2/1000		G1/1800
BVH	(80°-90°)	75.1	0.2			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°
0°	46194.4	46194.4	46194.4	46194.4	46194.4	46194.4	46194.4	46194.4	46194.4	46194.4
2.5°	45907.1	45900.9	45974.3	46011.0	46029.4	46115.0	46200.6	46426.8	46432.9	46567.4
5°	45845.9	45790.9	45839.8	45766.4	45784.8	45784.8	45894.8	46059.9	46121.1	46255.6
7.5°	44482.4	44470.2	44439.6	44360.1	44457.9	44390.7	44592.5	44739.2	44879.8	44947.1
10°	41938.8	41822.6	41822.6	41712.6	41810.4	41718.7	42048.9	42183.4	42421.8	42562.5
12.5°	38649.2	38600.3	38606.4	38557.5	38551.4	38423.0	38808.2	38924.4	39138.4	39346.3
15°	35139.6	35066.2	35133.5	35133.5	35078.4	34962.3	35371.9	35530.9	35842.7	35940.6
17.5°	31672.7	31642.1	31684.9	31703.3	31660.5	31550.4	31947.8	32296.4	32510.4	32510.4
20°	28493.2	28481.0	28536.0	28481.0	28438.2	28364.8	28731.7	29068.0	29257.5	29269.7
22.5°	25698.9	25766.2	25717.2	25650.0	25558.3	25503.2	25839.5	26151.4	26279.8	26408.2
25°	23247.0	23265.4	23302.1	23198.1	23088.0	23020.8	23271.5	23534.4	23736.2	23809.6
27.5°	21229.3	21296.5	21204.8	21045.8	20984.7	20905.2	21082.5	21272.1	21418.8	21522.8
30°	19266.5	19303.2	19321.6	19156.5	19009.7	18893.6	19040.3	19205.4	19260.4	19352.1
32.5°	17383.3	17444.4	17505.6	17303.8	17199.9	17089.8	17163.2	17267.1	17297.7	17303.8
35°	15506.2	15463.4	15408.3	15335.0	15255.5	15121.0	15194.3	15231.0	15255.5	15255.5
37.5°	13237.7	13274.4	13286.6	13146.0	13109.3	13017.6	13066.5	13072.6	13121.5	13152.1
40°	10015.4	10143.8	10058.2	9972.6	9984.8	9874.8	9856.4	9832.0	9942.0	9984.8
42.5°	5447.9	5668.1	5441.8	5515.2	5460.2	5399.0	5380.7	5411.3	5270.6	5154.5
45°	2739.3	2727.0	2775.9	2775.9	2824.9	2843.2	2800.4	2763.7	2745.4	2696.5
47.5°	2207.3	2170.6	2164.5	2195.1	2231.8	2256.2	2219.5	2201.2	2195.1	2225.6
50°	1895.5	1840.4	1822.1	1864.9	1895.5	1919.9	1889.4	1889.4	1883.2	1932.2
52.5°	1650.9	1595.9	1595.9	1681.5	1705.9	1730.4	1712.0	1712.0	1712.0	1767.1
55°	1461.3	1418.5	1369.6	1479.7	1559.2	1583.6	1571.4	1565.3	1571.4	1632.6
57.5°	1314.6	1290.1	1259.6	1284.0	1406.3	1436.9	1430.8	1430.8	1443.0	1491.9
60°	1174.0	1161.7	1149.5	1149.5	1247.3	1302.4	1296.3	1296.3	1308.5	1339.1
62.5°	1045.6	1033.3	1021.1	1033.3	1070.0	1155.6	1155.6	1161.7	1180.1	1192.3
65°	917.2	911.0	911.0	917.2	929.4	996.7	1021.1	1039.5	1057.8	1063.9
67.5°	794.9	788.8	794.9	807.1	807.1	837.7	892.7	911.0	929.4	929.4
70°	642.0	672.6	690.9	697.0	709.3	715.4	764.3	801.0	819.3	794.9
72.5°	348.5	397.4	599.2	617.6	623.7	629.8	666.5	709.3	721.5	470.8
75°	250.7	250.7	501.4	532.0	538.1	538.1	568.6	611.4	623.7	360.8
77.5°	165.1	159.0	348.5	385.2	440.2	354.6	464.7	513.6	525.8	299.6
80°	128.4	122.3	269.0	299.6	305.7	244.6	379.1	415.8	421.9	244.6
82.5°	97.8	91.7	195.7	220.1	238.5	159.0	269.0	317.9	330.2	214.0
85°	55.0	55.0	97.8	91.7	140.6	103.9	152.9	159.0	214.0	134.5
87.5°	18.3	24.5	42.8	42.8	48.9	42.8	61.1	61.1	67.3	48.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

46194.4
46610.2
46280.0
45057.2
42715.3
39486.9
36075.1
32589.9
29337.0
26481.6
23858.5
21553.3
19370.5
17377.2
15328.9
13280.5
10039.9
5209.5
2739.3
2250.1
1993.3
1828.2
1669.2
1528.6
1363.5
1210.7
1076.1
929.4
703.2
403.6
354.6
293.5
220.1
220.1
128.4
36.7
0.0

OF REPORT)