

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: P524285

Luminaire Tested: **IFLD-M-SA4E-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524285
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22674.9 lumens
Efficiency: N/A
Efficacy: 72.0 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): 314.8
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

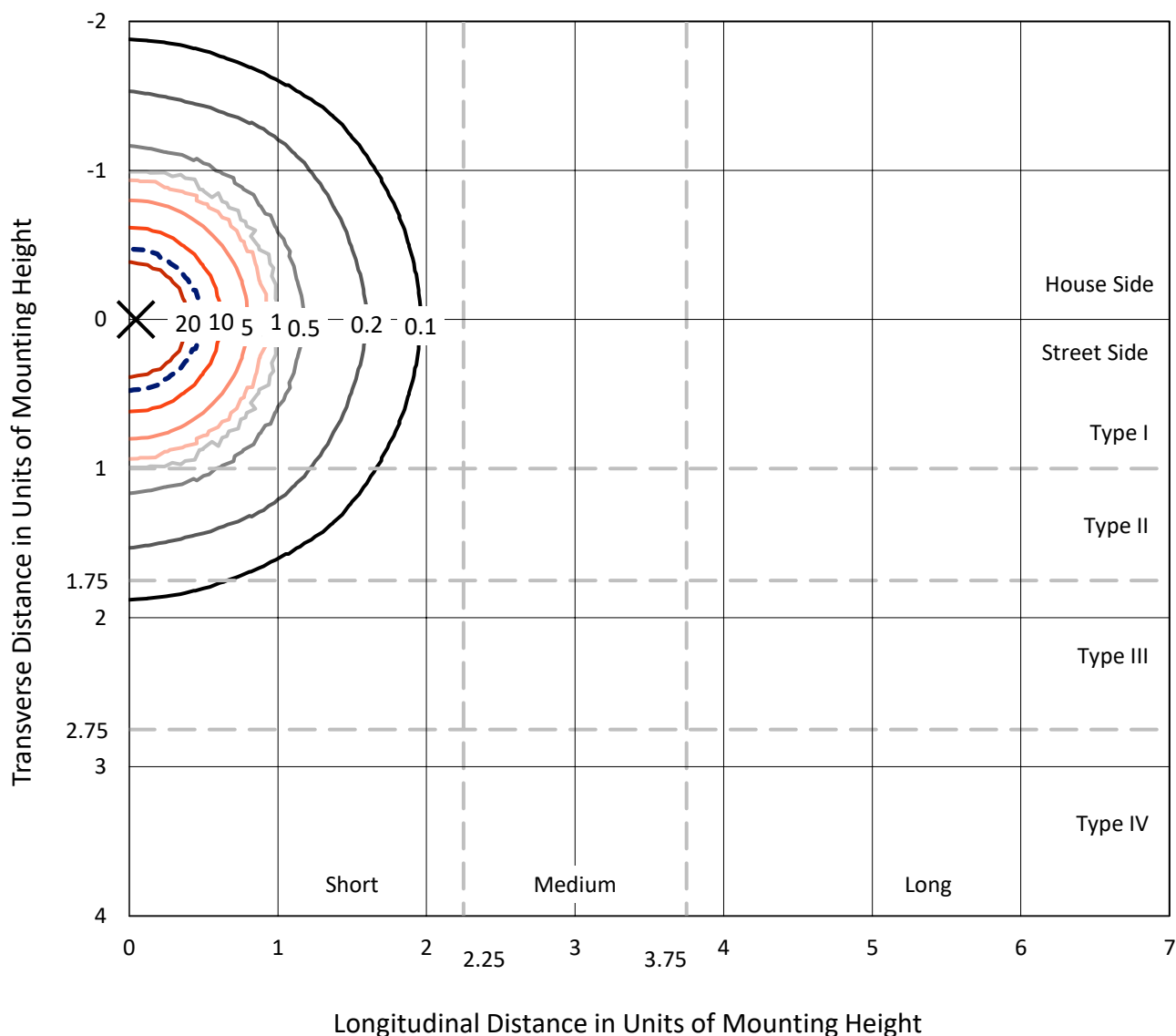
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

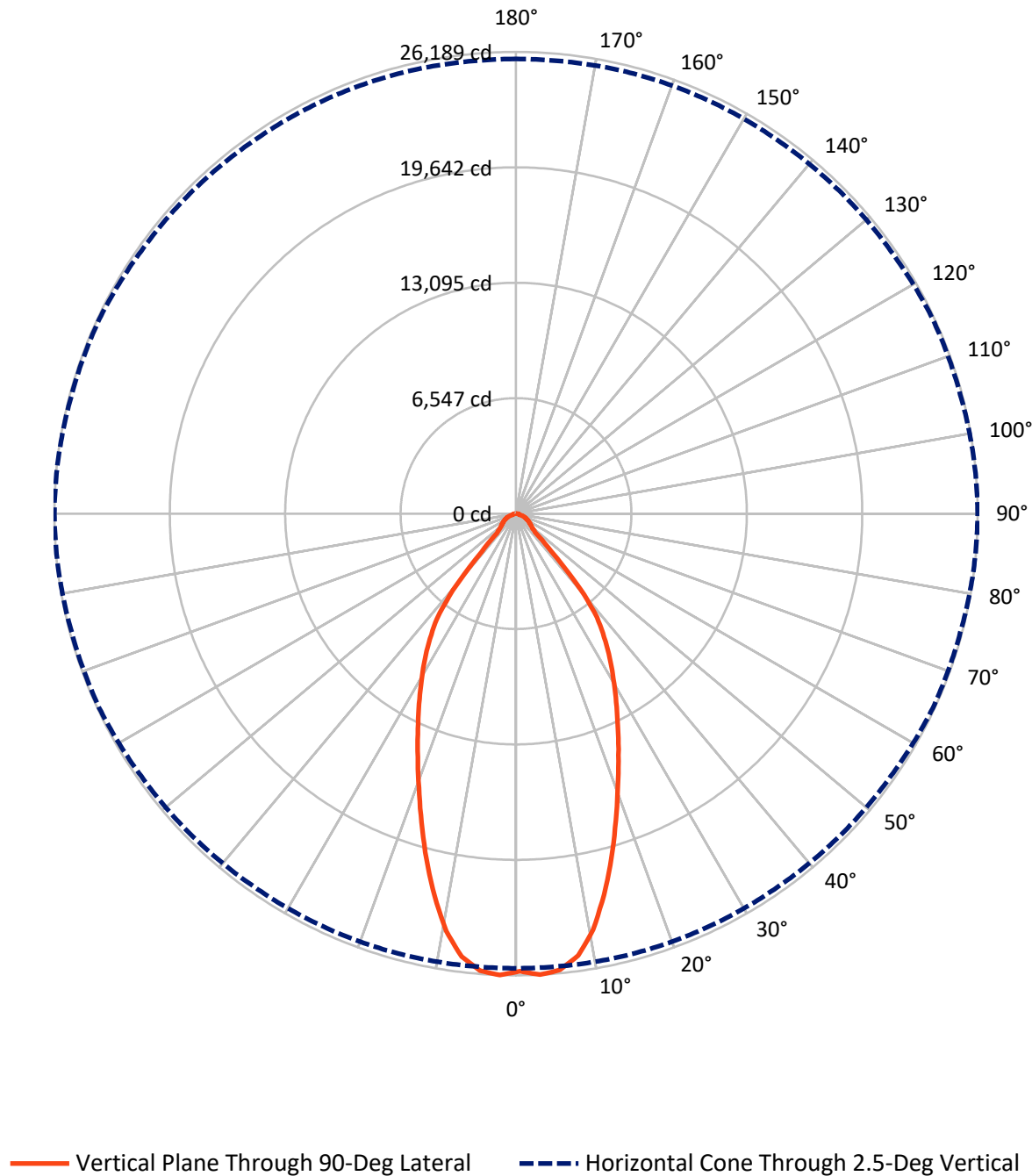


Based on 25 foot mounting height. Maximum calculated value = 41.5 fc

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	11337.4	0.0	11337.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11337.4	0.0	11337.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	22674.9	0.0	22674.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2392.8	10.6
10°-20°	5523.4	24.4
20°-30°	6064.3	26.7
30°-40°	5258.1	23.2
40°-50°	1730.2	7.6
50°-60°	775.7	3.4
60°-70°	548.3	2.4
70°-80°	297.7	1.3
80°-90°	84.4	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°	22674.9	100.0
0°-180°	22674.9	100.0

Coefficient of Utilization



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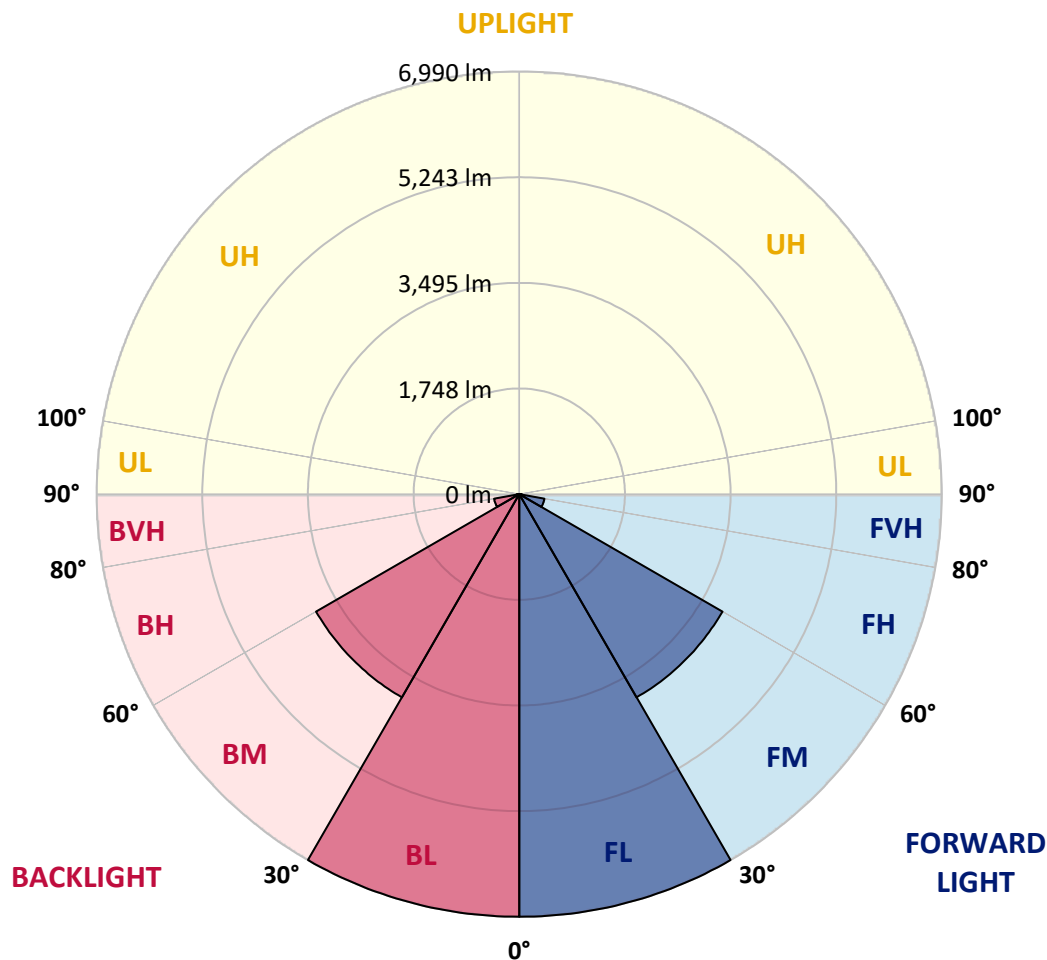
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6990.2	30.8			
FM	(30°-60°)	3882.0	17.1			
FH	(60°-80°)	423.0	1.9			G0/660
FVH	(80°-90°)	42.2	0.2			G1/100
BL	(0°-30°)	6990.2	30.8	B5		
BM	(30°-60°)	3882.0	17.1	B3/5000		
BH	(60°-80°)	423.0	1.9	B1/500		G0/660
BVH	(80°-90°)	42.2	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°	25955.7	25955.7	25955.7	25955.7	25955.7	25955.7	25955.7	25955.7	25955.7	25955.7
2.5°	25794.2	25790.7	25832.0	25852.6	25862.9	25911.0	25959.1	26086.2	26089.6	26165.2
5°	25759.8	25728.9	25756.4	25715.2	25725.5	25725.5	25787.3	25880.1	25914.4	25990.0
7.5°	24993.7	24986.8	24969.7	24925.0	24980.0	24942.2	25055.5	25138.0	25217.0	25254.8
10°	23564.5	23499.2	23499.2	23437.4	23492.4	23440.8	23626.3	23701.9	23835.9	23914.9
12.5°	21716.2	21688.7	21692.1	21664.6	21661.2	21589.1	21805.5	21870.8	21991.0	22107.8
15°	19744.2	19702.9	19740.7	19740.7	19709.8	19644.5	19874.7	19964.0	20139.3	20194.2
17.5°	17796.2	17779.0	17803.1	17813.4	17789.3	17727.5	17950.8	18146.6	18266.9	18266.9
20°	16009.7	16002.8	16033.8	16002.8	15978.8	15937.6	16143.7	16332.7	16439.2	16446.0
22.5°	14439.7	14477.5	14450.0	14412.2	14360.6	14329.7	14518.7	14693.9	14766.0	14838.2
25°	13062.0	13072.3	13092.9	13034.5	12972.7	12934.9	13075.7	13223.5	13336.8	13378.1
27.5°	11928.3	11966.1	11914.5	11825.2	11790.8	11746.2	11845.8	11952.3	12034.8	12093.2
30°	10825.4	10846.1	10856.4	10763.6	10681.2	10615.9	10698.3	10791.1	10822.0	10873.5
32.5°	9767.3	9801.7	9836.0	9722.6	9664.2	9602.4	9643.6	9702.0	9719.2	9722.6
35°	8712.6	8688.5	8657.6	8616.4	8571.7	8496.1	8537.4	8558.0	8571.7	8571.7
37.5°	7438.0	7458.6	7465.5	7386.5	7365.8	7314.3	7341.8	7345.2	7372.7	7389.9
40°	5627.4	5699.6	5651.5	5603.4	5610.3	5548.4	5538.1	5524.4	5586.2	5610.3
42.5°	3061.1	3184.8	3057.6	3098.9	3068.0	3033.6	3023.3	3040.5	2961.5	2896.2
45°	1539.1	1532.3	1559.7	1559.7	1587.2	1597.5	1573.5	1552.9	1542.6	1515.1
47.5°	1240.2	1219.6	1216.2	1233.4	1254.0	1267.7	1247.1	1236.8	1233.4	1250.5
50°	1065.0	1034.1	1023.8	1047.8	1065.0	1078.8	1061.6	1061.6	1058.2	1085.6
52.5°	927.6	896.7	896.7	944.8	958.5	972.3	962.0	962.0	962.0	992.9
55°	821.1	797.0	769.6	831.4	876.1	889.8	882.9	879.5	882.9	917.3
57.5°	738.6	724.9	707.7	721.5	790.2	807.4	803.9	803.9	810.8	838.3
60°	659.6	652.8	645.9	645.9	700.9	731.8	728.3	728.3	735.2	752.4
62.5°	587.5	580.6	573.7	580.6	601.2	649.3	649.3	652.8	663.1	669.9
65°	515.3	511.9	511.9	515.3	522.2	560.0	573.7	584.0	594.4	597.8
67.5°	446.6	443.2	446.6	453.5	453.5	470.7	501.6	511.9	522.2	522.2
70°	360.7	377.9	388.2	391.7	398.5	402.0	429.4	450.1	460.4	446.6
72.5°	195.8	223.3	336.7	347.0	350.4	353.9	374.5	398.5	405.4	264.5
75°	140.9	140.9	281.7	298.9	302.3	302.3	319.5	343.6	350.4	202.7
77.5°	92.8	89.3	195.8	216.4	247.4	199.3	261.1	288.6	295.5	168.3
80°	72.1	68.7	151.2	168.3	171.8	137.4	213.0	233.6	237.1	137.4
82.5°	55.0	51.5	109.9	123.7	134.0	89.3	151.2	178.6	185.5	120.2
85°	30.9	30.9	55.0	51.5	79.0	58.4	85.9	89.3	120.2	75.6
87.5°	10.3	13.7	24.0	24.0	27.5	24.0	34.4	34.4	37.8	27.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

25955.7
26189.3
26003.8
25316.6
24000.8
22186.8
20269.8
18311.5
16483.8
14879.4
13405.6
12110.3
10883.9
9763.9
8612.9
7462.0
5641.2
2927.1
1539.1
1264.3
1120.0
1027.2
937.9
858.9
766.1
680.2
604.7
522.2
395.1
226.7
199.3
164.9
123.7
123.7
72.1
20.6
0.0