

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: P524433

Luminaire Tested: **IFLD-S-SA6B-950-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524433
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-950-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23862.2 lumens
Efficiency: N/A
Efficacy: 97.4 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): 244.9
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

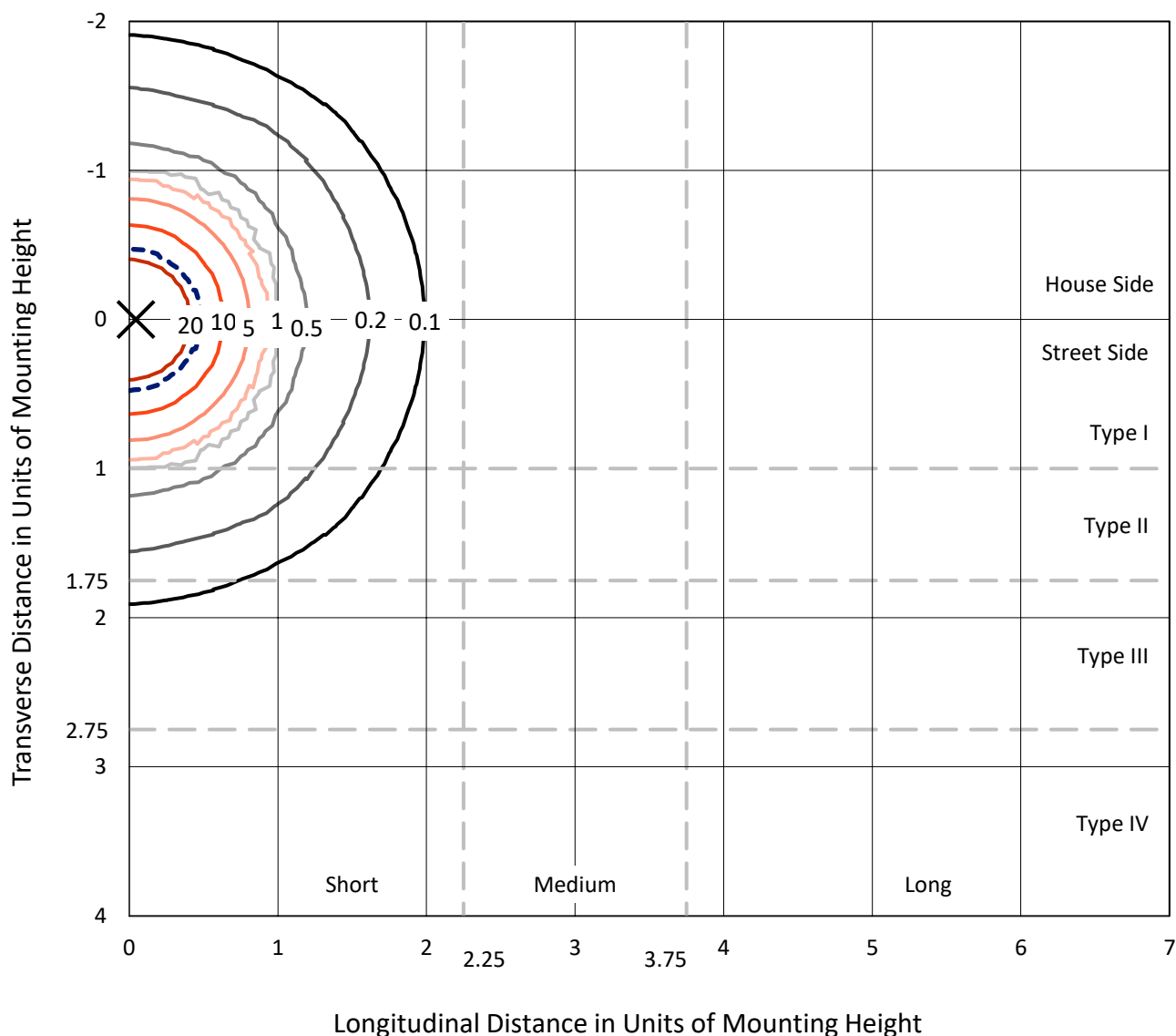
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

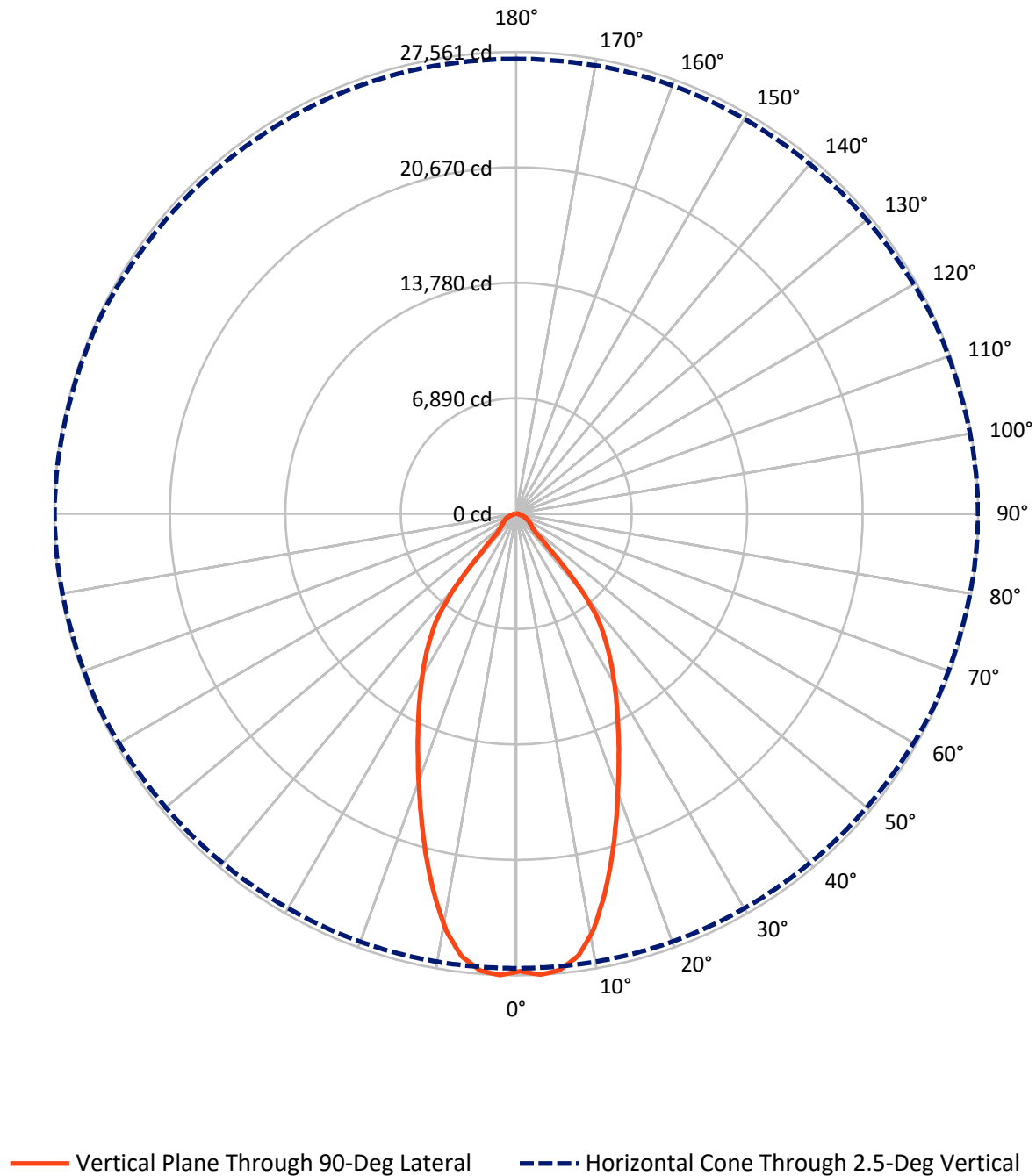


Based on 25 foot mounting height. Maximum calculated value = 43.7 fc

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	11931.1	0.0	11931.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11931.1	0.0	11931.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23862.2	0.0	23862.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2518.0	10.6
10°-20°	5812.6	24.4
20°-30°	6381.8	26.7
30°-40°	5533.5	23.2
40°-50°	1820.7	7.6
50°-60°	816.4	3.4
60°-70°	577.0	2.4
70°-80°	313.3	1.3
80°-90°	88.8	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°	23862.2	100.0
0°-180°	23862.2	100.0

Coefficient of Utilization



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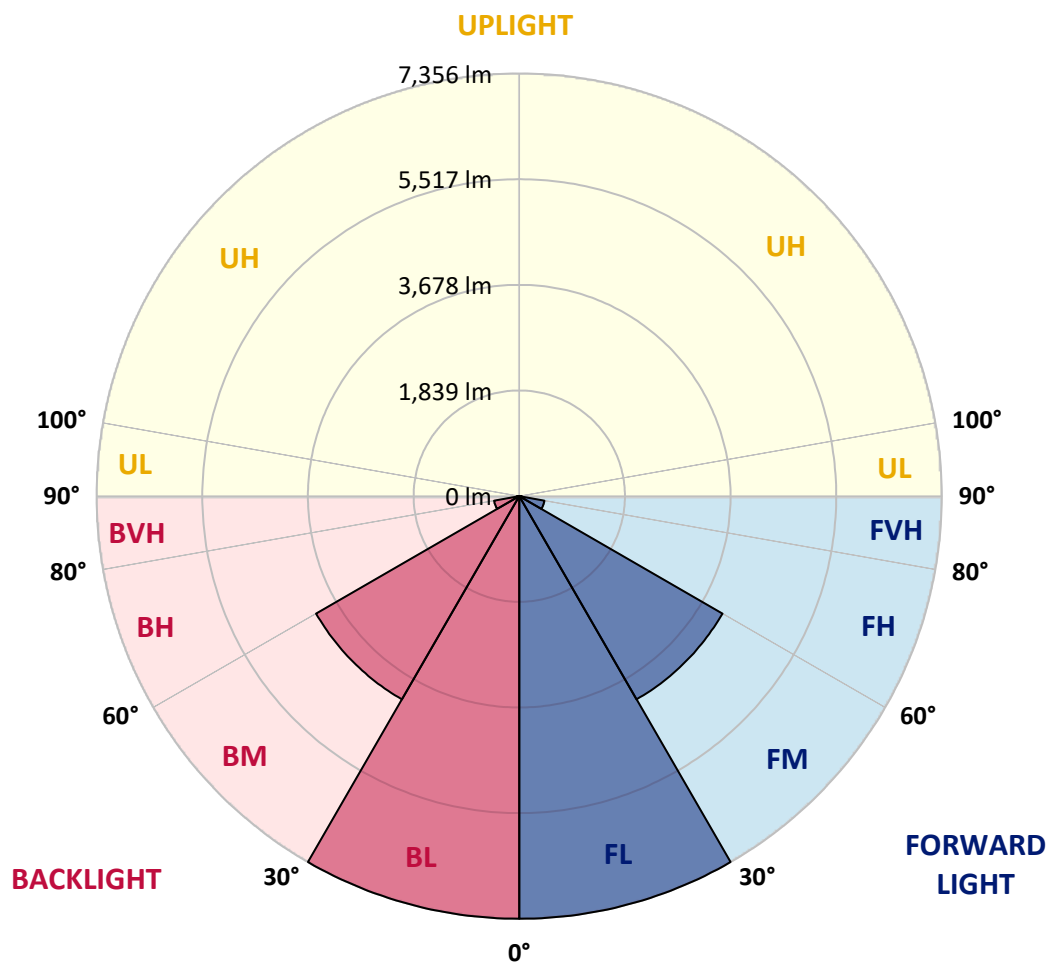
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7356.2	30.8			
FM	(30°-60°)	4085.3	17.1			
FH	(60°-80°)	445.2	1.9			G0/660
FVH	(80°-90°)	44.4	0.2			G1/100
BL	(0°-30°)	7356.2	30.8	B5		
BM	(30°-60°)	4085.3	17.1	B3/5000		
BH	(60°-80°)	445.2	1.9	B1/500		G0/660
BVH	(80°-90°)	44.4	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°	27314.7	27314.7	27314.7	27314.7	27314.7	27314.7	27314.7	27314.7	27314.7	27314.7
2.5°	27144.8	27141.2	27184.6	27206.3	27217.1	27267.7	27318.3	27452.1	27455.7	27535.3
5°	27108.6	27076.1	27105.0	27061.6	27072.5	27072.5	27137.6	27235.2	27271.3	27350.9
7.5°	26302.4	26295.2	26277.1	26230.1	26287.9	26248.2	26367.5	26454.2	26537.4	26577.2
10°	24798.4	24729.7	24729.7	24664.6	24722.4	24668.2	24863.4	24943.0	25084.0	25167.1
12.5°	22853.3	22824.3	22828.0	22799.0	22795.4	22719.5	22947.3	23016.0	23142.5	23265.4
15°	20778.0	20734.6	20774.4	20774.4	20741.8	20673.1	20915.4	21009.4	21193.8	21251.6
17.5°	18728.0	18710.0	18735.3	18746.1	18720.8	18655.7	18890.7	19096.8	19223.3	19223.3
20°	16848.0	16840.8	16873.3	16840.8	16815.5	16772.1	16989.0	17187.8	17299.9	17307.2
22.5°	15195.7	15235.5	15206.6	15166.8	15112.6	15080.0	15278.9	15463.3	15539.2	15615.1
25°	13745.9	13756.8	13778.5	13717.0	13651.9	13612.2	13760.4	13915.9	14035.2	14078.6
27.5°	12552.8	12592.6	12538.4	12444.4	12408.2	12361.2	12466.1	12578.1	12664.9	12726.4
30°	11392.3	11414.0	11424.8	11327.2	11240.4	11171.7	11258.5	11356.1	11388.7	11442.9
32.5°	10278.7	10314.9	10351.0	10231.7	10170.3	10105.2	10148.6	10210.0	10228.1	10231.7
35°	9168.8	9143.5	9110.9	9067.5	9020.5	8941.0	8984.4	9006.1	9020.5	9020.5
37.5°	7827.4	7849.1	7856.4	7773.2	7751.5	7697.3	7726.2	7729.8	7758.8	7776.8
40°	5922.1	5998.0	5947.4	5896.8	5904.0	5839.0	5828.1	5813.6	5878.7	5904.0
42.5°	3221.4	3351.5	3217.8	3261.1	3228.6	3192.4	3181.6	3199.7	3116.5	3047.8
45°	1619.7	1612.5	1641.4	1641.4	1670.3	1681.2	1655.9	1634.2	1623.3	1594.4
47.5°	1305.2	1283.5	1279.9	1297.9	1319.6	1334.1	1312.4	1301.6	1297.9	1316.0
50°	1120.8	1088.3	1077.4	1102.7	1120.8	1135.3	1117.2	1117.2	1113.6	1142.5
52.5°	976.2	943.6	943.6	994.2	1008.7	1023.2	1012.3	1012.3	1012.3	1044.9
55°	864.1	838.8	809.9	874.9	921.9	936.4	929.2	925.6	929.2	965.3
57.5°	777.3	762.9	744.8	759.2	831.6	849.6	846.0	846.0	853.2	882.2
60°	694.2	686.9	679.7	679.7	737.6	770.1	766.5	766.5	773.7	791.8
62.5°	618.2	611.0	603.8	611.0	632.7	683.3	683.3	686.9	697.8	705.0
65°	542.3	538.7	538.7	542.3	549.5	589.3	603.8	614.6	625.5	629.1
67.5°	470.0	466.4	470.0	477.2	477.2	495.3	527.9	538.7	549.5	549.5
70°	379.6	397.7	408.5	412.2	419.4	423.0	451.9	473.6	484.5	470.0
72.5°	206.1	235.0	354.3	365.2	368.8	372.4	394.1	419.4	426.6	278.4
75°	148.2	148.2	296.5	314.5	318.2	318.2	336.2	361.5	368.8	213.3
77.5°	97.6	94.0	206.1	227.8	260.3	209.7	274.8	303.7	310.9	177.2
80°	75.9	72.3	159.1	177.2	180.8	144.6	224.2	245.9	249.5	144.6
82.5°	57.8	54.2	115.7	130.2	141.0	94.0	159.1	188.0	195.2	126.5
85°	32.5	32.5	57.8	54.2	83.2	61.5	90.4	94.0	126.5	79.5
87.5°	10.8	14.5	25.3	25.3	28.9	25.3	36.2	36.2	39.8	28.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

27314.7
27560.6
27365.3
26642.2
25257.5
23348.6
21331.2
19270.3
17346.9
15658.5
14107.5
12744.5
11453.7
10275.1
9063.9
7852.8
5936.6
3080.4
1619.7
1330.5
1178.6
1081.0
987.0
903.9
806.2
715.9
636.3
549.5
415.8
238.6
209.7
173.5
130.2
130.2
75.9
21.7
0.0