

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: P524323

Luminaire Tested: **IFLD-M-SA4D-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524323
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19807.8 lumens
Efficiency: N/A
Efficacy: 79.3 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): 249.7
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

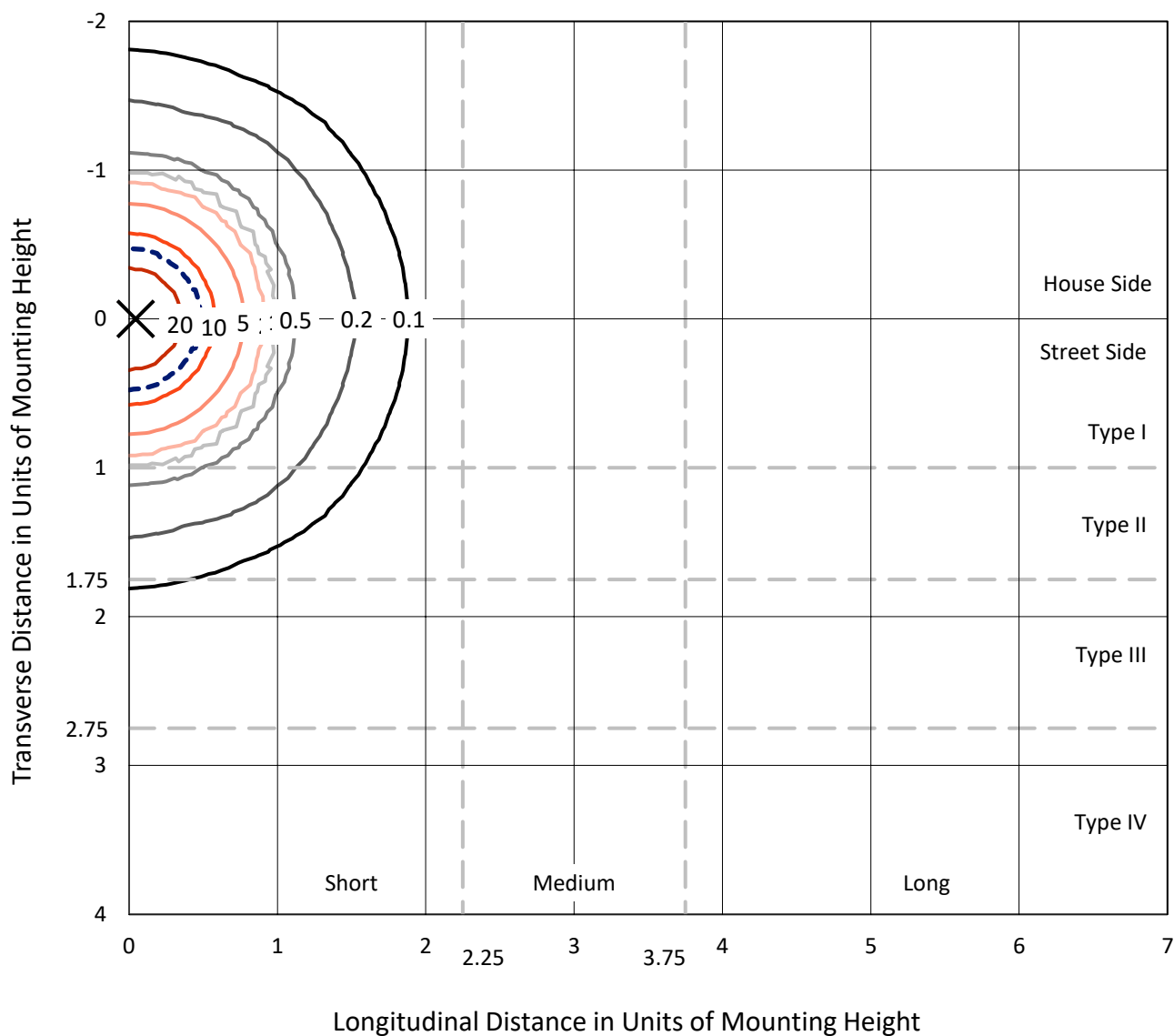
REPORT NUMBER: P524323

CATALOG NUMBER: IFLD-M-SA4D-930-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

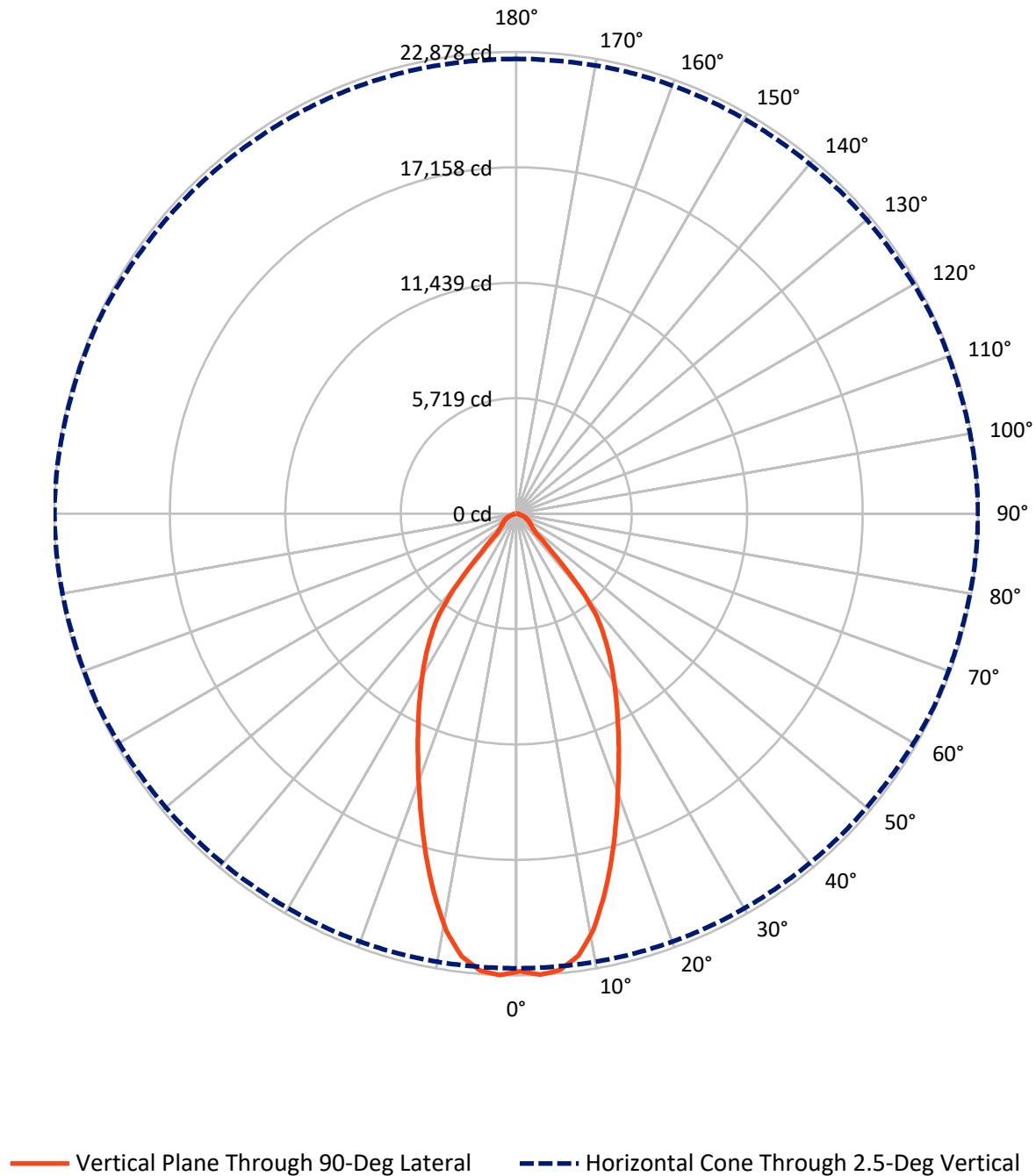


Based on 25 foot mounting height. Maximum calculated value = 36.3 fc

Type V - Short - N/A

REPORT NUMBER: P524323
CATALOG NUMBER: IFLD-M-SA4D-930-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524323

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9903.9	0.0	9903.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9903.9	0.0	9903.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19807.8	0.0	19807.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2090.2	10.6
10°-20°	4825.0	24.4
20°-30°	5297.5	26.7
30°-40°	4593.3	23.2
40°-50°	1511.4	7.6
50°-60°	677.6	3.4
60°-70°	479.0	2.4
70°-80°	260.1	1.3
80°-90°	73.7	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°	19807.8	100.0
0°-180°	19807.8	100.0

Coefficient of Utilization



REPORT NUMBER: P524323

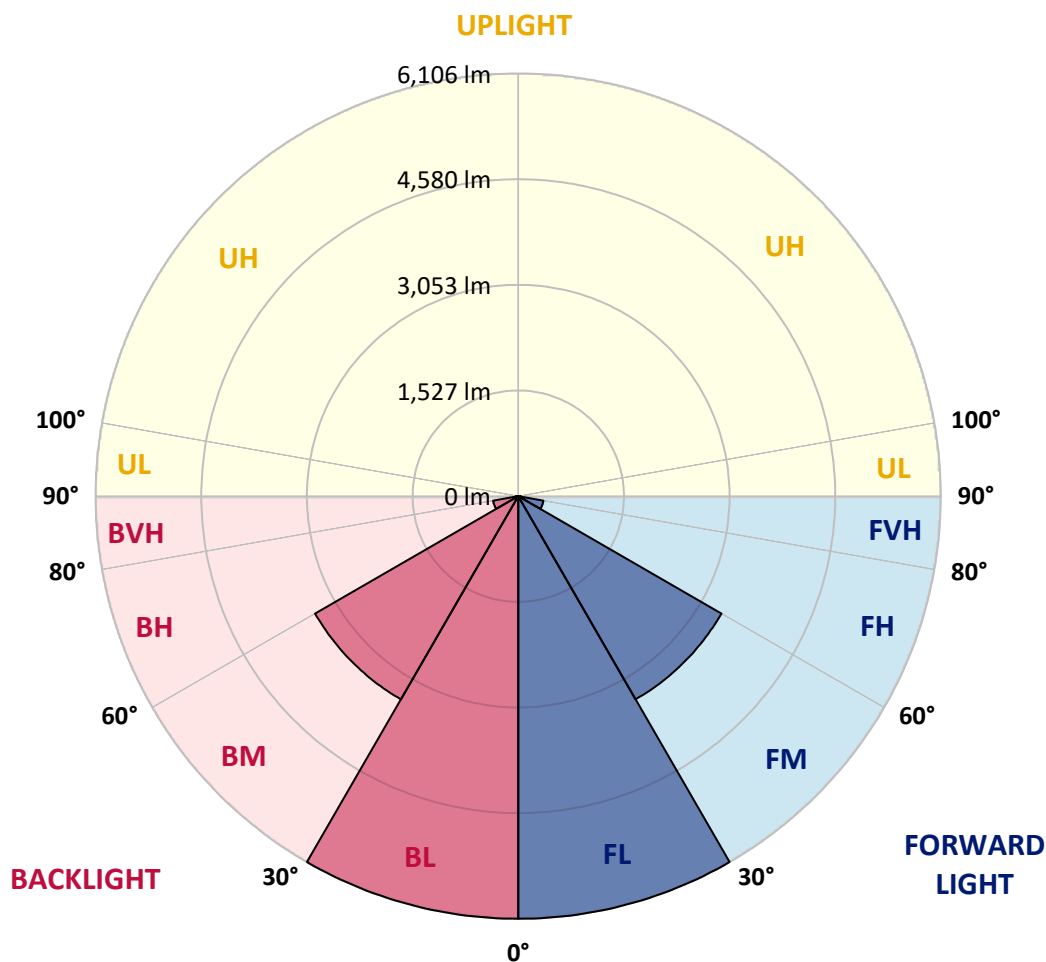
CATALOG NUMBER: IFLD-M-SA4D-930-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6106.3	30.8			
FM	(30°-60°)	3391.2	17.1			
FH	(60°-80°)	369.5	1.9			G0/660
FVH	(80°-90°)	36.9	0.2			G1/100
BL	(0°-30°)	6106.3	30.8	B5		
BM	(30°-60°)	3391.2	17.1	B3/5000		
BH	(60°-80°)	369.5	1.9	B1/500		G0/660
BVH	(80°-90°)	36.9	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





REPORT NUMBER: P524323

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	22673.7	22673.7	22673.7	22673.7	22673.7	22673.7	22673.7	22673.7	22673.7	22673.7
2.5°	22532.7	22529.7	22565.7	22583.7	22592.7	22634.7	22676.7	22787.8	22790.8	22856.8
5°	22502.6	22475.6	22499.6	22463.6	22472.6	22472.6	22526.7	22607.7	22637.7	22703.7
7.5°	21833.4	21827.4	21812.4	21773.4	21821.4	21788.4	21887.4	21959.4	22028.5	22061.5
10°	20584.9	20527.9	20527.9	20473.9	20521.9	20476.9	20638.9	20705.0	20822.0	20891.0
12.5°	18970.3	18946.3	18949.3	18925.3	18922.3	18859.2	19048.3	19105.3	19210.4	19312.4
15°	17247.6	17211.6	17244.6	17244.6	17217.6	17160.6	17361.7	17439.7	17592.8	17640.8
17.5°	15546.0	15531.0	15552.0	15561.0	15540.0	15486.0	15681.0	15852.1	15957.1	15957.1
20°	13985.4	13979.4	14006.4	13979.4	13958.4	13922.3	14102.4	14267.5	14360.5	14366.5
22.5°	12613.8	12646.9	12622.9	12589.8	12544.8	12517.8	12682.9	12835.9	12899.0	12962.0
25°	11410.4	11419.4	11437.4	11386.4	11332.4	11299.3	11422.4	11551.4	11650.5	11686.5
27.5°	10420.0	10453.0	10408.0	10330.0	10300.0	10260.9	10348.0	10441.0	10513.0	10564.1
30°	9456.6	9474.6	9483.6	9402.6	9330.6	9273.6	9345.6	9426.6	9453.6	9498.6
32.5°	8532.3	8562.3	8592.3	8493.3	8442.2	8388.2	8424.2	8475.3	8490.3	8493.3
35°	7610.9	7589.9	7562.9	7526.9	7487.9	7421.9	7457.9	7475.9	7487.9	7487.9
37.5°	6497.5	6515.5	6521.5	6452.5	6434.5	6389.5	6413.5	6416.5	6440.5	6455.5
40°	4915.9	4978.9	4936.9	4894.9	4900.9	4846.9	4837.9	4825.9	4879.9	4900.9
42.5°	2674.0	2782.1	2671.0	2707.0	2680.0	2650.0	2641.0	2656.0	2587.0	2530.0
45°	1344.5	1338.5	1362.5	1362.5	1386.5	1395.5	1374.5	1356.5	1347.5	1323.5
47.5°	1083.4	1065.4	1062.4	1077.4	1095.4	1107.4	1089.4	1080.4	1077.4	1092.4
50°	930.4	903.3	894.3	915.4	930.4	942.4	927.4	927.4	924.4	948.4
52.5°	810.3	783.3	783.3	825.3	837.3	849.3	840.3	840.3	840.3	867.3
55°	717.3	696.3	672.3	726.3	765.3	777.3	771.3	768.3	771.3	801.3
57.5°	645.2	633.2	618.2	630.2	690.3	705.3	702.3	702.3	708.3	732.3
60°	576.2	570.2	564.2	564.2	612.2	639.2	636.2	636.2	642.2	657.3
62.5°	513.2	507.2	501.2	507.2	525.2	567.2	567.2	570.2	579.2	585.2
65°	450.2	447.2	447.2	450.2	456.2	489.2	501.2	510.2	519.2	522.2
67.5°	390.1	387.1	390.1	396.2	396.2	411.2	438.2	447.2	456.2	456.2
70°	315.1	330.1	339.1	342.1	348.1	351.1	375.1	393.2	402.2	390.1
72.5°	171.1	195.1	294.1	303.1	306.1	309.1	327.1	348.1	354.1	231.1
75°	123.0	123.0	246.1	261.1	264.1	264.1	279.1	300.1	306.1	177.1
77.5°	81.0	78.0	171.1	189.1	216.1	174.1	228.1	252.1	258.1	147.1
80°	63.0	60.0	132.1	147.1	150.1	120.0	186.1	204.1	207.1	120.0
82.5°	48.0	45.0	96.0	108.0	117.0	78.0	132.1	156.1	162.1	105.0
85°	27.0	27.0	48.0	45.0	69.0	51.0	75.0	78.0	105.0	66.0
87.5°	9.0	12.0	21.0	21.0	24.0	21.0	30.0	30.0	33.0	24.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

22673.7
22877.8
22715.7
22115.5
20966.1
19381.4
17706.8
15996.1
14399.5
12998.0
11710.5
10579.1
9507.7
8529.3
7523.9
6518.5
4927.9
2557.0
1344.5
1104.4
978.4
897.3
819.3
750.3
669.3
594.2
528.2
456.2
345.1
198.1
174.1
144.1
108.0
108.0
63.0
18.0
0.0