

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: P524400

Luminaire Tested: **IFLD-M-SA4C-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524400
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20325 lumens
Efficiency: N/A
Efficacy: 93.2 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): 218.1
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

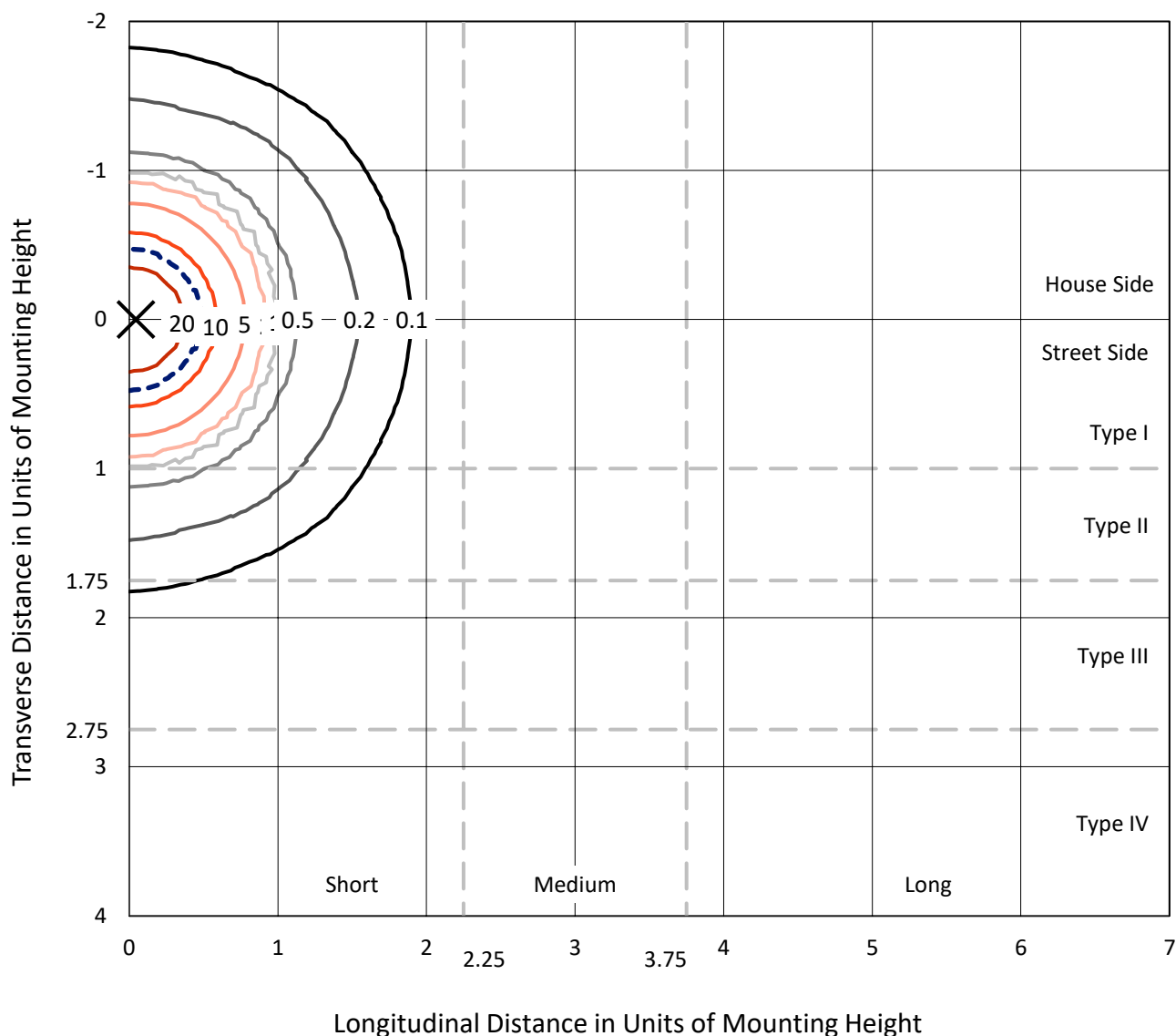
REPORT NUMBER: P524400

CATALOG NUMBER: IFLD-M-SA4C-940-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

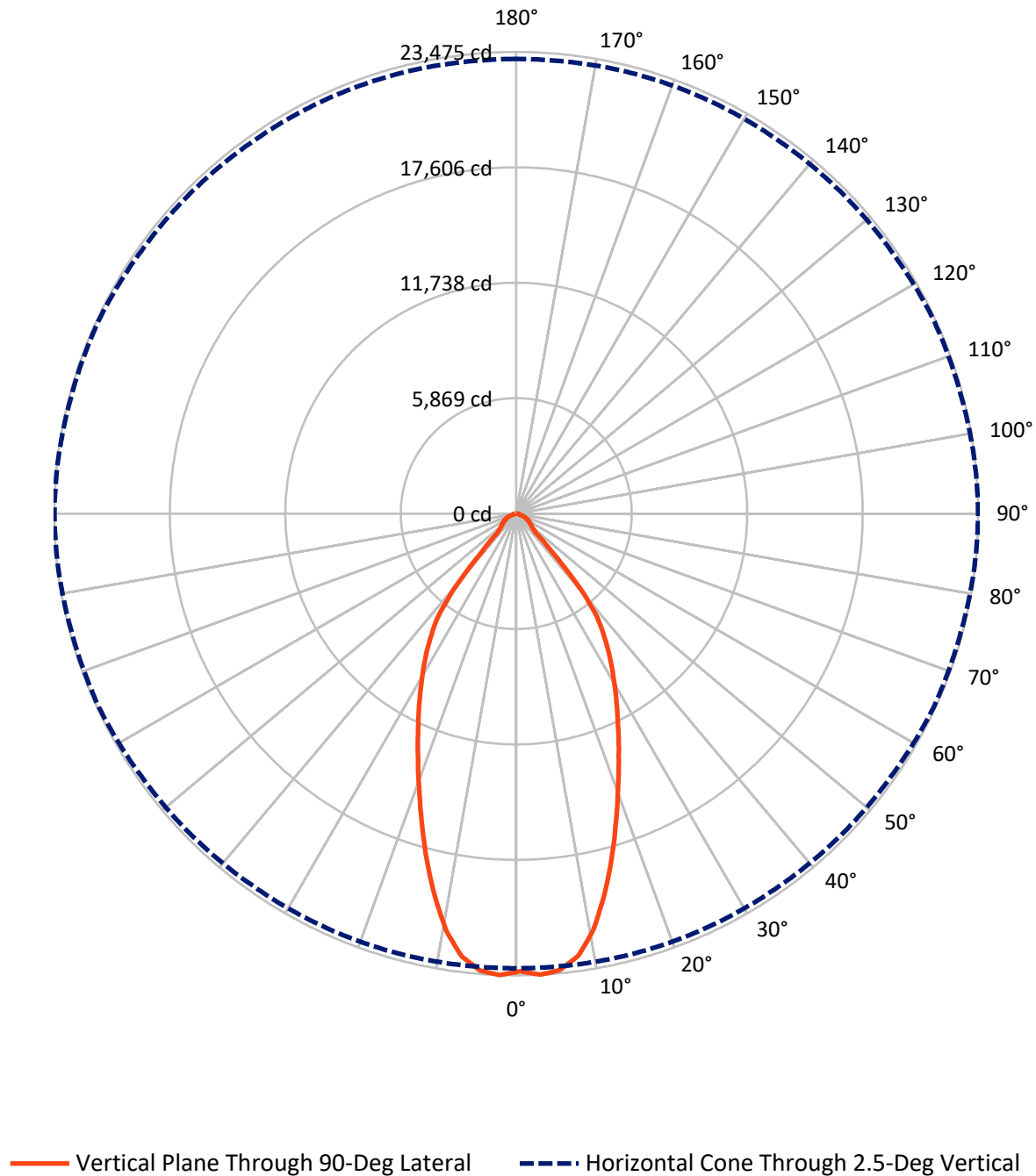


Based on 25 foot mounting height. Maximum calculated value = 37.2 fc

Type V - Short - N/A

REPORT NUMBER: P524400
CATALOG NUMBER: IFLD-M-SA4C-940-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524400

CATALOG NUMBER: IFLD-M-SA4C-940-U-55

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10162.5	0.0	10162.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10162.5	0.0	10162.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20325.0	0.0	20325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2144.8	10.6
10°-20°	4951.0	24.4
20°-30°	5435.8	26.7
30°-40°	4713.2	23.2
40°-50°	1550.8	7.6
50°-60°	695.3	3.4
60°-70°	491.5	2.4
70°-80°	266.9	1.3
80°-90°	75.7	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°	20325.0	100.0
0°-180°	20325.0	100.0

Coefficient of Utilization



REPORT NUMBER: P524400

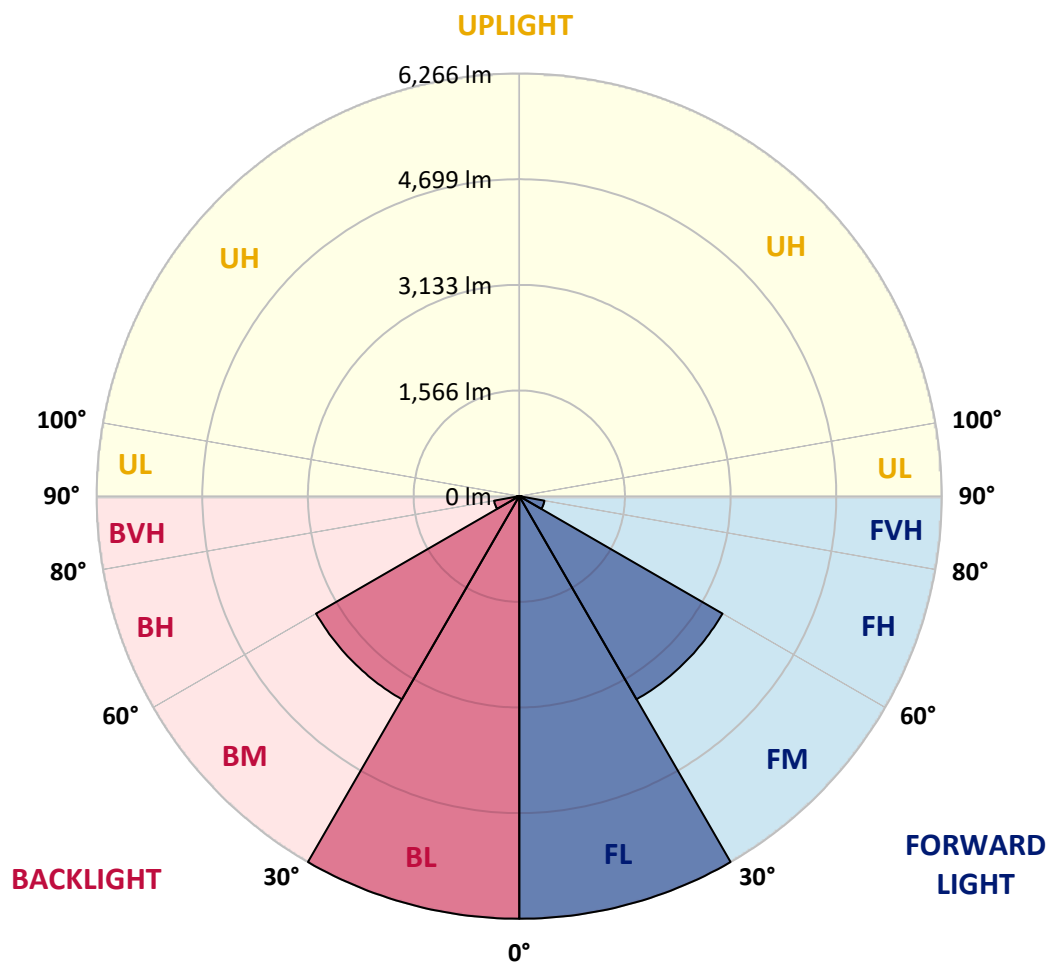
CATALOG NUMBER: IFLD-M-SA4C-940-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6265.8	30.8			
FM	(30°-60°)	3479.7	17.1			
FH	(60°-80°)	379.2	1.9			G0/660
FVH	(80°-90°)	37.8	0.2			G1/100
BL	(0°-30°)	6265.8	30.8	B5		
BM	(30°-60°)	3479.7	17.1	B3/5000		
BH	(60°-80°)	379.2	1.9	B1/500		G0/660
BVH	(80°-90°)	37.8	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: P524400

CATALOG NUMBER: IFLD-M-SA4C-940-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	23265.8	23265.8	23265.8	23265.8	23265.8	23265.8	23265.8	23265.8	23265.8	23265.8
2.5°	23121.0	23117.9	23154.9	23173.4	23182.6	23225.7	23268.8	23382.8	23385.9	23453.6
5°	23090.2	23062.5	23087.1	23050.2	23059.4	23059.4	23114.9	23198.0	23228.8	23296.6
7.5°	22403.5	22397.3	22381.9	22341.9	22391.2	22357.3	22458.9	22532.8	22603.7	22637.5
10°	21122.4	21063.9	21063.9	21008.5	21057.7	21011.6	21177.8	21245.6	21365.7	21436.5
12.5°	19465.6	19441.0	19444.1	19419.4	19416.4	19351.7	19545.7	19604.2	19712.0	19816.7
15°	17698.0	17661.0	17694.9	17694.9	17667.2	17608.7	17815.0	17895.1	18052.1	18101.4
17.5°	15951.9	15936.5	15958.1	15967.3	15945.7	15890.3	16090.5	16266.0	16373.8	16373.8
20°	14350.6	14344.4	14372.1	14344.4	14322.8	14285.9	14470.7	14640.0	14735.5	14741.7
22.5°	12943.2	12977.1	12952.5	12918.6	12872.4	12844.7	13014.0	13171.1	13235.8	13300.4
25°	11708.3	11717.6	11736.0	11683.7	11628.3	11594.4	11720.6	11853.1	11954.7	11991.6
27.5°	10692.1	10726.0	10679.8	10599.7	10568.9	10528.9	10618.2	10713.6	10787.6	10839.9
30°	9703.6	9722.0	9731.3	9648.1	9574.2	9515.7	9589.6	9672.8	9700.5	9746.7
32.5°	8755.1	8785.9	8816.7	8715.0	8662.7	8607.3	8644.2	8696.6	8712.0	8715.0
35°	7809.7	7788.1	7760.4	7723.4	7683.4	7615.6	7652.6	7671.1	7683.4	7683.4
37.5°	6667.2	6685.6	6691.8	6621.0	6602.5	6556.3	6580.9	6584.0	6608.6	6624.0
40°	5044.3	5108.9	5065.8	5022.7	5028.9	4973.4	4964.2	4951.9	5007.3	5028.9
42.5°	2743.9	2854.7	2740.8	2777.7	2750.0	2719.2	2710.0	2725.4	2654.5	2596.0
45°	1379.6	1373.5	1398.1	1398.1	1422.7	1432.0	1410.4	1391.9	1382.7	1358.1
47.5°	1111.7	1093.2	1090.1	1105.5	1124.0	1136.3	1117.9	1108.6	1105.5	1120.9
50°	954.7	926.9	917.7	939.3	954.7	967.0	951.6	951.6	948.5	973.1
52.5°	831.5	803.8	803.8	846.9	859.2	871.5	862.3	862.3	862.3	890.0
55°	736.0	714.4	689.8	745.2	785.3	797.6	791.4	788.4	791.4	822.2
57.5°	662.1	649.8	634.4	646.7	708.3	723.7	720.6	720.6	726.8	751.4
60°	591.3	585.1	578.9	578.9	628.2	655.9	652.9	652.9	659.0	674.4
62.5°	526.6	520.4	514.3	520.4	538.9	582.0	582.0	585.1	594.3	600.5
65°	461.9	458.8	458.8	461.9	468.1	502.0	514.3	523.5	532.8	535.8
67.5°	400.3	397.3	400.3	406.5	406.5	421.9	449.6	458.8	468.1	468.1
70°	323.3	338.7	348.0	351.1	357.2	360.3	384.9	403.4	412.7	400.3
72.5°	175.5	200.2	301.8	311.0	314.1	317.2	335.7	357.2	363.4	237.1
75°	126.3	126.3	252.5	267.9	271.0	271.0	286.4	308.0	314.1	181.7
77.5°	83.1	80.1	175.5	194.0	221.7	178.6	234.0	258.7	264.8	150.9
80°	64.7	61.6	135.5	150.9	154.0	123.2	190.9	209.4	212.5	123.2
82.5°	49.3	46.2	98.5	110.9	120.1	80.1	135.5	160.1	166.3	107.8
85°	27.7	27.7	49.3	46.2	70.8	52.4	77.0	80.1	107.8	67.7
87.5°	9.2	12.3	21.6	21.6	24.6	21.6	30.8	30.8	33.9	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

23265.8
23475.2
23308.9
22693.0
21513.5
19887.5
18169.2
16413.8
14775.5
13337.4
12016.3
10855.3
9755.9
8752.0
7720.4
6688.7
5056.6
2623.7
1379.6
1133.3
1003.9
920.8
840.7
769.9
686.7
609.7
542.0
468.1
354.1
203.2
178.6
147.8
110.9
110.9
64.7
18.5
0.0