

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: P636377

Luminaire Tested: **IFLD-M-SA4C-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636377
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19207.2 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

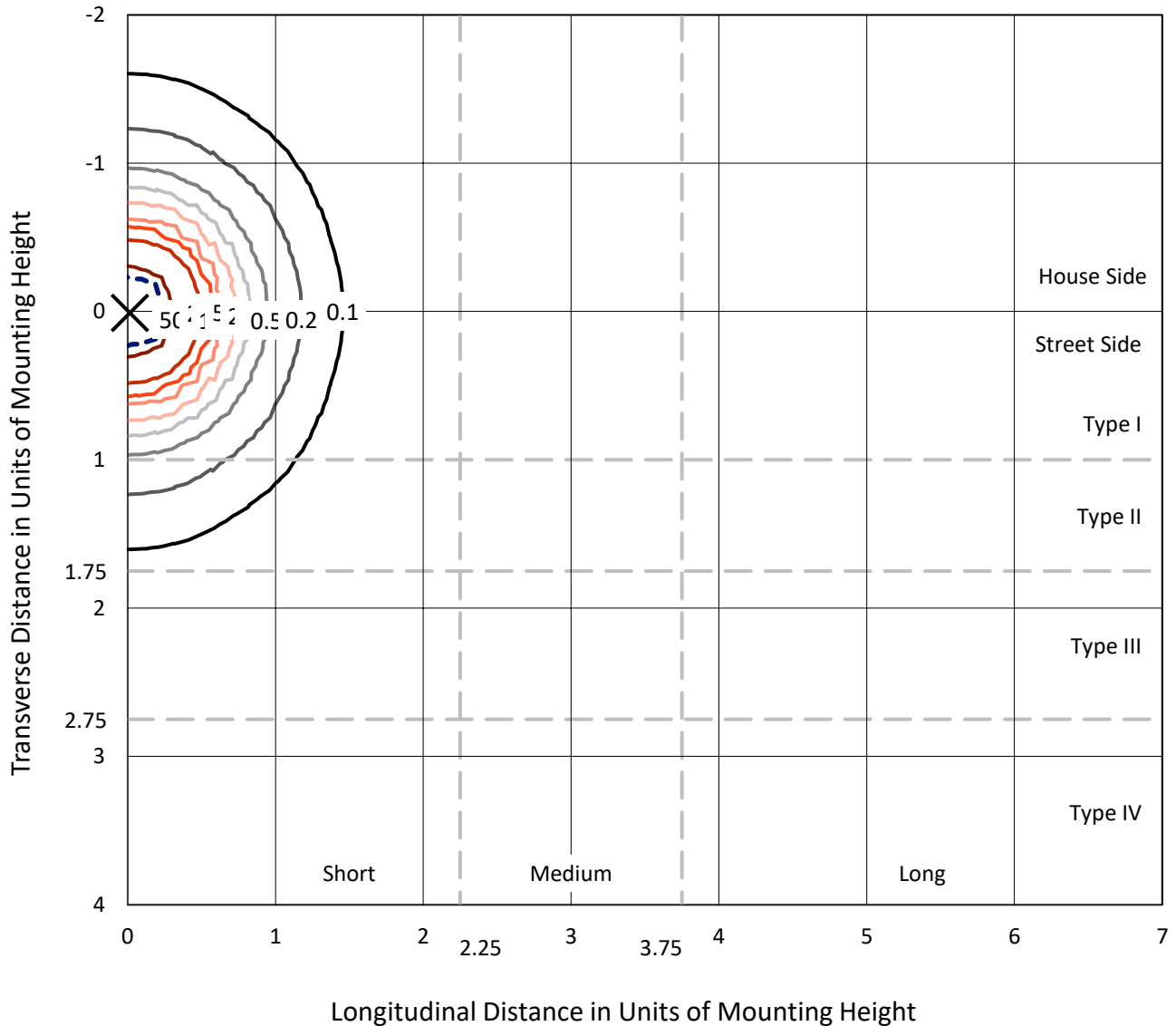
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636377
 CATALOG NUMBER: IFLD-M-SA4C-940-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

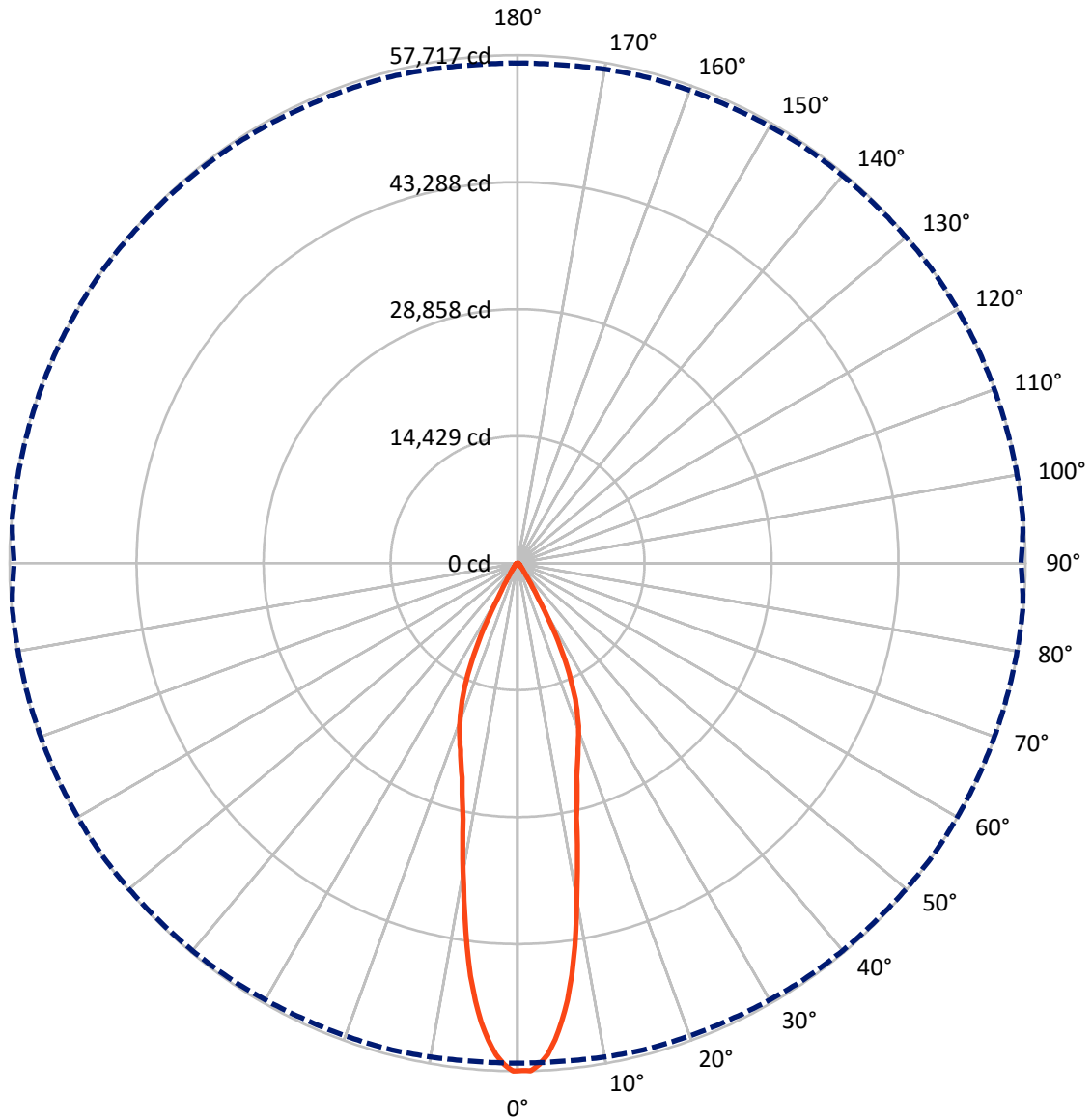
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 144.1 fc
 Type V - Short - N/A

REPORT NUMBER: P636377
CATALOG NUMBER: IFLD-M-SA4C-940-U-44-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636377
 CATALOG NUMBER: IFLD-M-SA4C-940-U-44-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9603.6	0.0	9603.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9603.6	0.0	9603.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	19207.2	0.0	19207.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4386.4	22.8
10°-20°	7164.1	37.3
20°-30°	5598.3	29.1
30°-40°	1220.3	6.4
40°-50°	361.3	1.9
50°-60°	226.0	1.2
60°-70°	158.0	0.8
70°-80°	67.8	0.4
80°-90°	25.1	0.1
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°	19207.2	100.0
0°-180°	19207.2	100.0



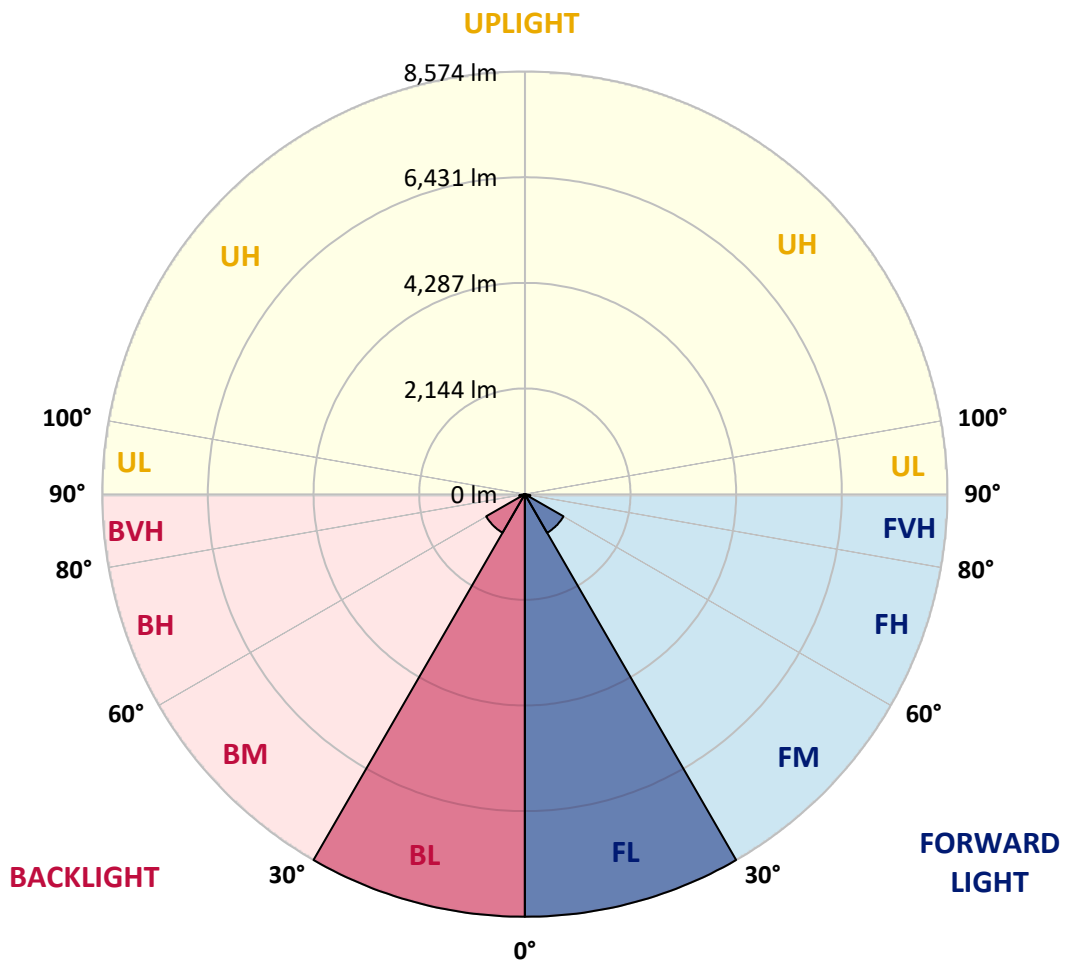
REPORT NUMBER: P636377
 CATALOG NUMBER: IFLD-M-SA4C-940-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8574.4	44.6			
FM (30°-60°)	903.8	4.7			
FH (60°-80°)	112.9	0.6			G0/660
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	8574.4	44.6	B5		
BM (30°-60°)	903.8	4.7	B1/1000		
BH (60°-80°)	112.9	0.6	B1/500		G0/660
BVH (80°-90°)	12.5	0.1			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: P636377
 CATALOG NUMBER: IFLD-M-SA4C-940-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	57650.8	57650.8	57650.8	57650.8	57650.8	57650.8	57650.8	57650.8	57650.8	57650.8
1°	56816.2	56823.2	57132.7	57202.2	57414.3	57522.1	57716.8	57696.0	57636.9	57643.8
2°	55769.6	55724.4	56013.0	56332.9	56586.8	56795.4	57028.4	57077.0	57021.4	57073.6
3°	54048.5	53982.4	54385.7	54785.6	55227.2	55585.3	55936.5	55950.4	55884.4	55880.9
4°	51784.8	51663.1	52143.0	52855.8	53412.1	53888.5	54326.6	54319.7	54229.3	54302.3
5°	49048.3	48895.4	49517.8	50456.6	51280.7	51854.4	52337.7	52223.0	52014.3	52024.8
6°	45689.4	45839.0	46600.5	47918.3	48891.9	49368.2	49962.8	49747.3	49385.6	49347.4
7°	42532.2	42869.5	43478.0	45067.0	46224.9	46725.6	47229.8	46795.2	46304.9	46224.9
8°	39208.1	39771.4	40612.8	42076.7	43311.1	43815.3	44006.5	43540.6	43015.5	42994.7
9°	36513.3	36899.3	37622.5	38912.5	40167.8	40505.0	40546.8	40139.9	39614.9	39649.7
10°	34061.9	34135.0	34760.8	35870.0	36874.9	37114.8	37104.4	36808.9	36377.7	36492.4
12.5°	28575.0	28773.2	28954.0	29308.7	29646.0	29802.5	29743.3	29621.6	29385.2	29395.6
15°	24851.0	24847.5	24868.4	25031.8	25132.7	25150.1	25150.1	24997.1	24896.2	25045.7
17.5°	21565.1	21745.9	22069.3	22201.5	22333.6	22284.9	22194.5	22125.0	22058.9	22187.5
20°	19009.5	19089.4	19092.9	19179.8	19847.4	19882.2	19767.5	19569.3	19402.4	19371.1
22.5°	16133.9	16255.6	16307.7	16384.2	16453.8	16961.4	16825.8	16505.9	16307.7	16248.6
25°	12110.8	12069.1	12409.9	13035.7	13136.6	13199.2	13164.4	12997.5	12868.8	12893.2
27.5°	8369.4	8442.5	8428.6	8435.5	9099.6	9096.2	9085.7	8939.7	8901.4	8845.8
30°	4680.2	4645.4	4662.8	4617.6	4523.7	4638.5	4454.2	4610.7	4457.7	4506.4
32.5°	2767.8	2743.5	2719.1	2729.5	2660.0	2489.6	2416.6	2524.4	2489.6	2475.7
35°	1766.4	1776.8	1808.1	1804.6	1742.0	1644.7	1540.4	1637.7	1623.8	1582.1
37.5°	1126.6	1126.6	1137.0	1227.4	1175.3	1091.8	1018.8	1060.5	1057.0	1050.1
40°	799.7	799.7	813.6	838.0	810.2	768.4	726.7	726.7	733.7	712.8
42.5°	594.6	594.6	608.5	622.4	587.6	573.7	552.9	539.0	556.3	539.0
45°	465.9	462.5	465.9	459.0	438.1	438.1	420.7	399.9	420.7	410.3
47.5°	382.5	379.0	375.5	361.6	340.8	344.2	337.3	319.9	330.3	326.8
50°	333.8	326.8	330.3	316.4	299.0	295.6	295.6	278.2	281.6	281.6
52.5°	292.1	292.1	288.6	281.6	274.7	260.8	264.3	246.9	246.9	246.9
55°	274.7	274.7	267.7	253.8	257.3	246.9	236.4	226.0	222.5	222.5
57.5°	271.2	271.2	267.7	253.8	243.4	239.9	226.0	212.1	201.7	205.2
60°	264.3	264.3	257.3	253.8	236.4	229.5	208.6	198.2	184.3	184.3
62.5°	253.8	250.4	236.4	215.6	215.6	198.2	184.3	163.4	153.0	149.5
65°	215.6	212.1	201.7	184.3	173.9	163.4	142.6	121.7	114.7	104.3
67.5°	177.3	177.3	170.4	153.0	146.0	132.1	107.8	93.9	76.5	69.5
70°	146.0	146.0	139.1	128.7	121.7	104.3	83.5	69.5	52.2	45.2
72.5°	118.2	118.2	111.3	104.3	97.4	86.9	69.5	52.2	34.8	27.8
75°	93.9	93.9	90.4	83.5	76.5	69.5	55.6	41.7	24.3	13.9
77.5°	76.5	76.5	73.0	69.5	62.6	55.6	45.2	34.8	17.4	7.0
80°	59.1	59.1	59.1	59.1	52.2	45.2	38.2	27.8	13.9	3.5
82.5°	41.7	41.7	45.2	52.2	41.7	34.8	34.8	27.8	10.4	3.5
85°	27.8	31.3	34.8	31.3	27.8	27.8	48.7	45.2	10.4	3.5
87.5°	13.9	13.9	13.9	13.9	13.9	10.4	13.9	10.4	7.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
57650.8
57216.1
56663.3
55578.4
53958.1
51517.1
48839.7
45845.9
42233.2
39131.6
36089.1
29051.4
24698.0
21892.0
19169.4
16036.5
12809.7
8644.1
4565.5
2440.9
1536.9
1036.2
705.9
535.5
410.3
326.8
285.1
246.9
219.1
205.2
173.9
142.6
100.8
66.1
41.7
24.3
10.4
7.0
3.5
3.5
3.5
0.0
0.0

OF REPORT)