

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: P525377

Luminaire Tested: **IFLD-M-SA4E-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525377
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

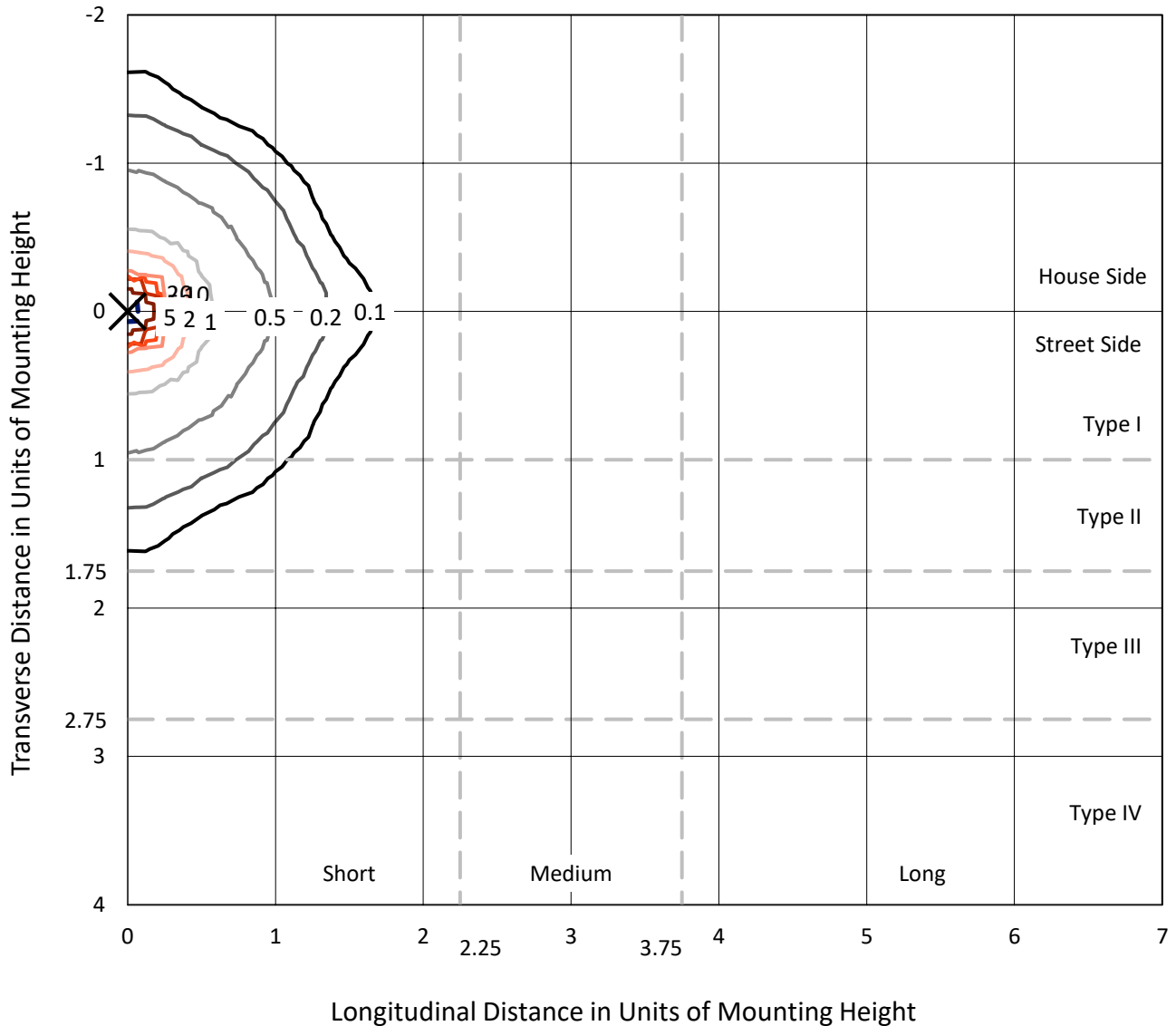
Lumens per Lamp: N/A
Luminaire Lumens: 15096.9 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

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

REPORT NUMBER: P525377
 CATALOG NUMBER: IFLD-M-SA4E-940-U-11

Iso-Footcandle Lines of Horizontal Illumination

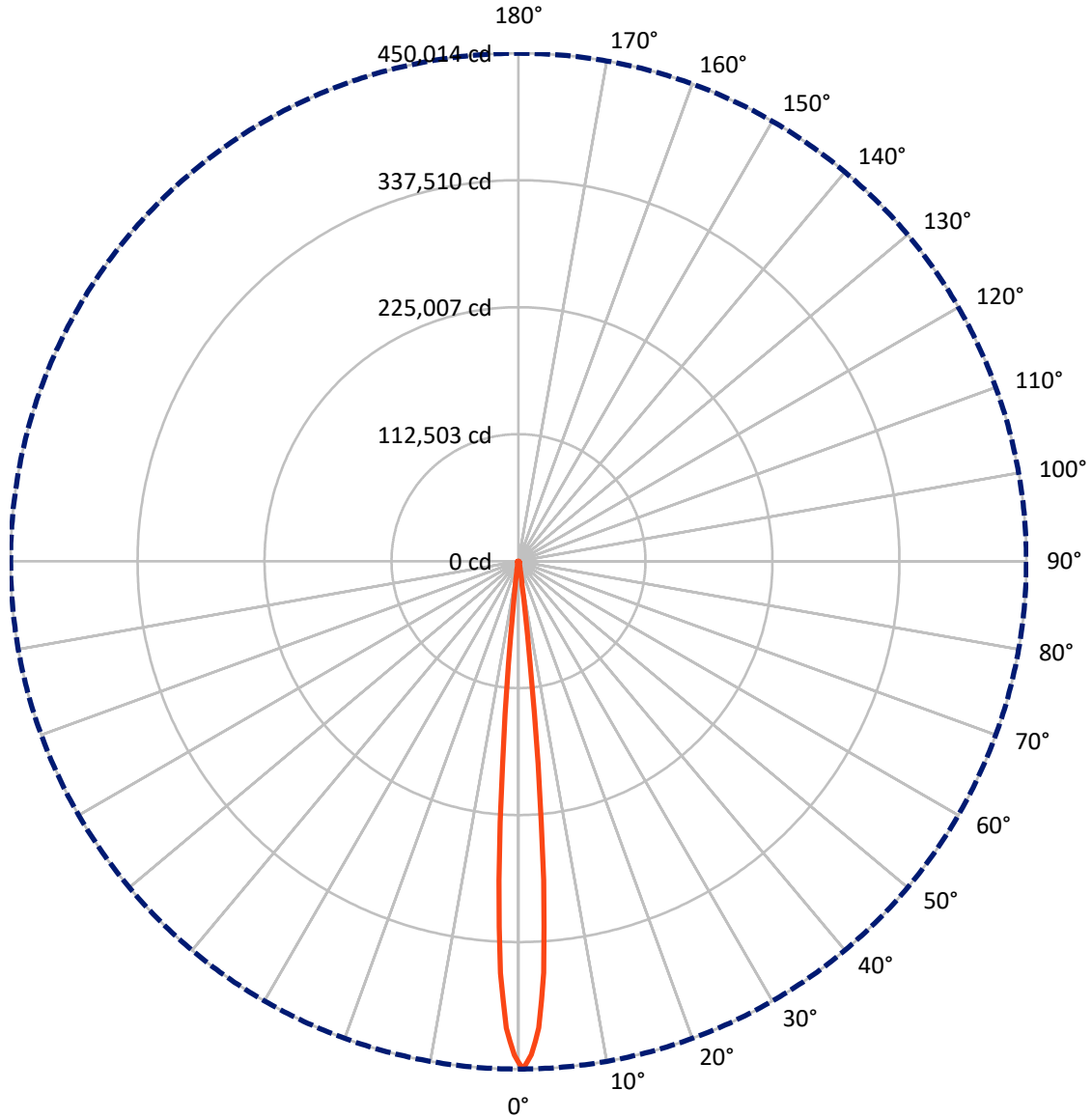
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 720 fc
 Type V - Short - N/A

REPORT NUMBER: P525377
CATALOG NUMBER: IFLD-M-SA4E-940-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525377
 CATALOG NUMBER: IFLD-M-SA4E-940-U-11

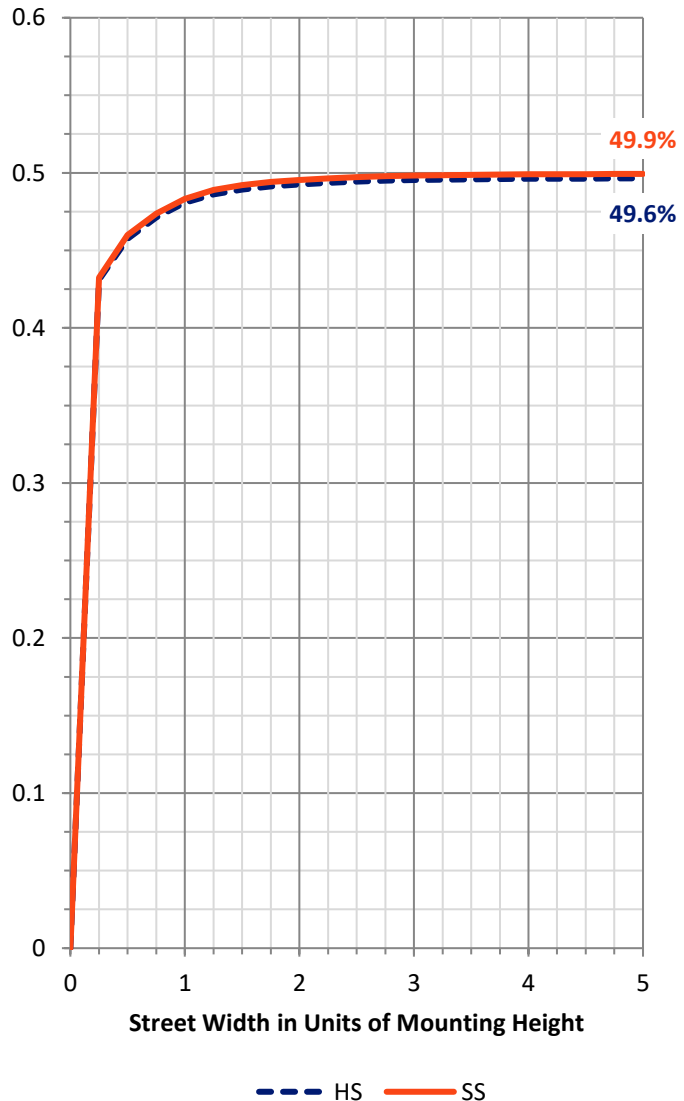
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7548.5	0.0	7548.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7548.5	0.0	7548.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15096.9	0.0	15096.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11594.4	76.8
10°-20°	1130.9	7.5
20°-30°	604.2	4.0
30°-40°	498.3	3.3
40°-50°	554.8	3.7
50°-60°	373.1	2.5
60°-70°	238.1	1.6
70°-80°	94.0	0.6
80°-90°	9.2	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°	15096.9	100.0
0°-180°	15096.9	100.0

Coefficient of Utilization

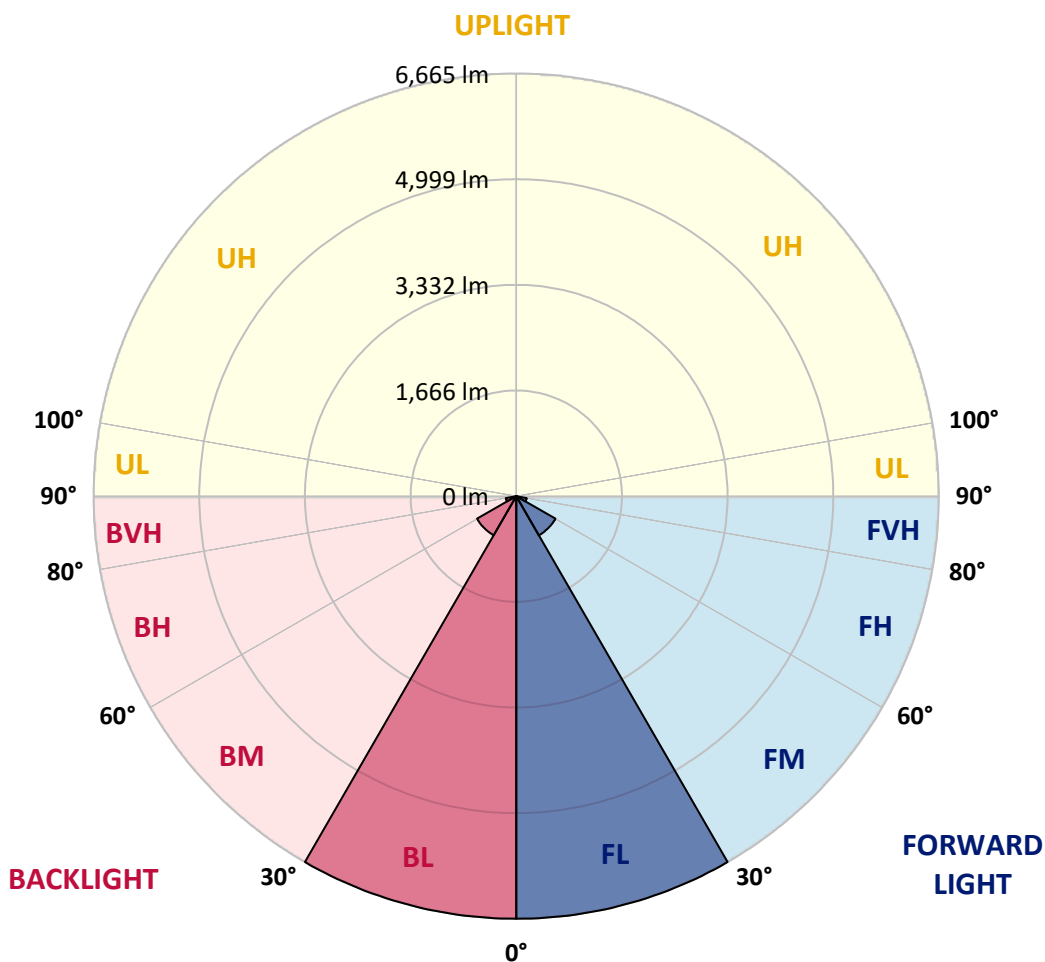


REPORT NUMBER: P525377
 CATALOG NUMBER: IFLD-M-SA4E-940-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6664.7	44.1			
FM (30°-60°)	713.1	4.7			
FH (60°-80°)	166.0	1.1			G0/660
FVH (80°-90°)	4.6	0.0			G0/10
BL (0°-30°)	6664.7	44.1	B5		
BM (30°-60°)	713.1	4.7	B1/1000		
BH (60°-80°)	166.0	1.1	B1/500		G0/660
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	450013.7	450013.7	450013.7	450013.7	450013.7	450013.7	450013.7	450013.7	450013.7	450013.7
1°	437506.6	438267.4	438404.7	437498.7	435188.7	435733.8	435663.3	435784.8	435557.4	434114.1
2°	413817.9	414943.5	413759.1	411217.7	405954.4	404699.4	400506.8	395827.9	390847.0	385854.3
3°	365464.1	367832.9	366142.6	368856.6	358181.0	357102.4	348285.9	336661.2	324879.6	315333.6
4°	283357.8	287734.7	288315.2	297272.9	288503.4	291244.9	281173.3	265022.6	247397.3	233913.6
5°	180618.1	186720.7	190164.1	198565.0	202604.6	213123.3	208216.9	192007.5	171640.7	156129.4
6°	91260.1	94582.0	103833.9	113070.2	123384.9	137343.2	139233.6	125004.7	108795.2	93907.4
7°	42541.5	43914.2	50440.3	52409.2	64202.5	79345.2	81463.1	73662.3	65112.4	53574.0
8°	21982.6	22516.0	24900.5	26363.4	33242.5	41953.2	43439.6	38529.4	35031.0	29226.5
9°	13538.6	13773.9	14668.1	14997.6	17570.4	21445.3	21970.8	19915.7	18966.6	16962.5
10°	9389.2	9514.7	9934.3	10020.6	10879.5	12154.2	12201.2	11526.6	11542.3	11040.3
12.5°	5004.4	5043.6	5161.3	5173.1	5337.8	5471.1	5439.8	5443.7	5510.4	5443.7
15°	3200.3	3219.9	3290.5	3306.2	3392.5	3439.6	3416.0	3412.1	3435.6	3392.5
17.5°	2282.6	2294.3	2345.3	2388.5	2443.4	2459.1	2451.2	2443.4	2443.4	2404.2
20°	1780.6	1796.3	1831.6	1874.7	1902.2	1929.6	1933.5	1929.6	1917.8	1898.2
22.5°	1513.9	1521.7	1533.5	1553.1	1572.7	1584.5	1592.3	1596.2	1592.3	1584.5
25°	1317.8	1325.6	1349.2	1360.9	1360.9	1364.8	1380.5	1388.4	1392.3	1376.6
27.5°	972.6	992.3	1027.6	1047.2	1047.2	1055.0	1066.8	1082.5	1098.1	1070.7
30°	753.0	768.7	807.9	807.9	804.0	811.8	823.6	847.1	870.7	839.3
32.5°	678.5	678.5	686.3	690.3	690.3	702.0	709.9	729.5	749.1	741.3
35°	709.9	690.3	666.7	666.7	674.6	698.1	702.0	721.6	741.3	768.7
37.5°	1031.5	972.6	886.4	870.7	870.7	898.1	886.4	898.1	933.4	1035.4
40°	937.3	890.3	839.3	768.7	768.7	807.9	780.5	796.2	878.5	941.3
42.5°	835.4	835.4	780.5	713.8	713.8	733.4	725.6	733.4	827.5	878.5
45°	772.6	772.6	756.9	651.0	666.7	678.5	678.5	678.5	804.0	819.7
47.5°	737.3	737.3	698.1	600.1	619.7	623.6	631.4	623.6	721.6	776.5
50°	658.9	666.7	600.1	529.5	553.0	553.0	564.8	549.1	623.6	713.8
52.5°	568.7	576.5	474.6	419.6	447.1	443.2	458.9	435.3	494.2	619.7
55°	505.9	502.0	392.2	341.2	372.6	368.7	376.5	349.1	400.0	533.4
57.5°	439.3	447.1	321.6	278.5	313.8	305.9	317.7	286.3	329.4	474.6
60°	388.3	400.0	274.5	235.3	270.6	262.8	274.5	239.2	282.4	427.5
62.5°	372.6	372.6	243.2	200.0	235.3	227.5	235.3	200.0	251.0	392.2
65°	443.2	419.6	219.6	164.7	200.0	192.2	200.0	164.7	219.6	376.5
67.5°	588.3	560.8	207.9	129.4	160.8	149.0	160.8	133.3	192.2	353.0
70°	305.9	325.5	207.9	102.0	121.6	121.6	117.7	102.0	160.8	258.8
72.5°	176.5	180.4	160.8	78.4	94.1	102.0	90.2	78.4	117.7	192.2
75°	98.0	109.8	102.0	58.8	70.6	78.4	66.7	58.8	82.4	137.3
77.5°	58.8	66.7	58.8	39.2	47.1	43.1	47.1	39.2	54.9	90.2
80°	31.4	31.4	31.4	23.5	23.5	27.5	27.5	23.5	31.4	47.1
82.5°	11.8	11.8	11.8	7.8	11.8	11.8	11.8	15.7	15.7	19.6
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

450013.7

- 435537.8
- 388729.1
- 318953.5
- 237039.4
- 158117.8
- 95021.3
- 54970.2
- 30014.8
- 17397.8
- 11271.7
- 5518.2
- 3423.9
- 2415.9
- 1902.2
- 1588.4
- 1376.6
- 1066.8
- 831.5
- 741.3
- 784.4
- 1086.4
- 1000.1
- 882.4
- 815.8
- 764.8
- 706.0
- 604.0
- 525.5
- 462.8
- 415.7
- 388.3
- 376.5
- 349.1
- 254.9
- 188.3
- 121.6
- 66.7
- 39.2
- 19.6
- 3.9
- 3.9
- 0.0

OF REPORT)