

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: P524410

Luminaire Tested: **IFLD-L-SA8C-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524410
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35627.2 lumens
Efficiency: N/A
Efficacy: 84.8 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): 420.3
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

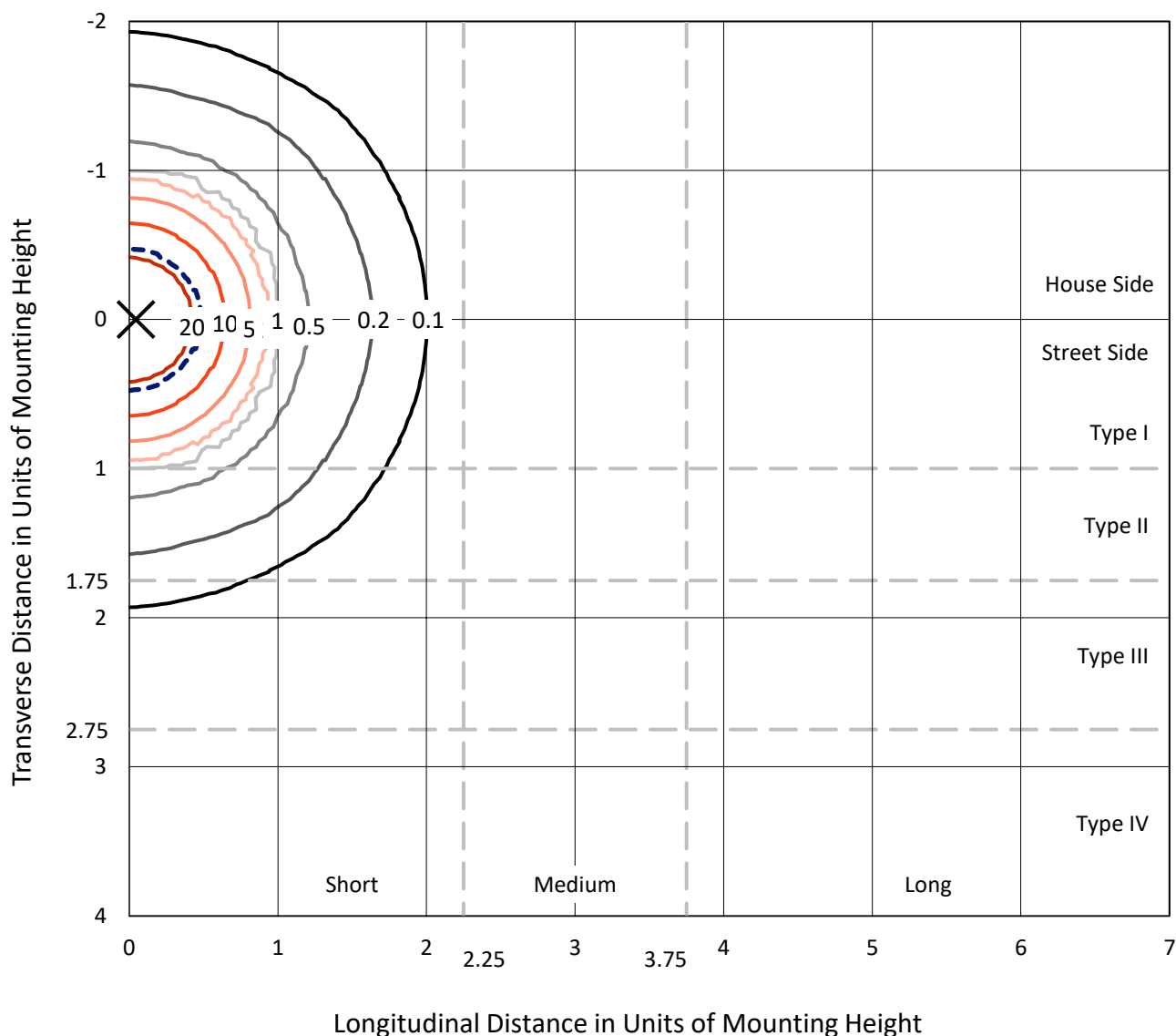
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

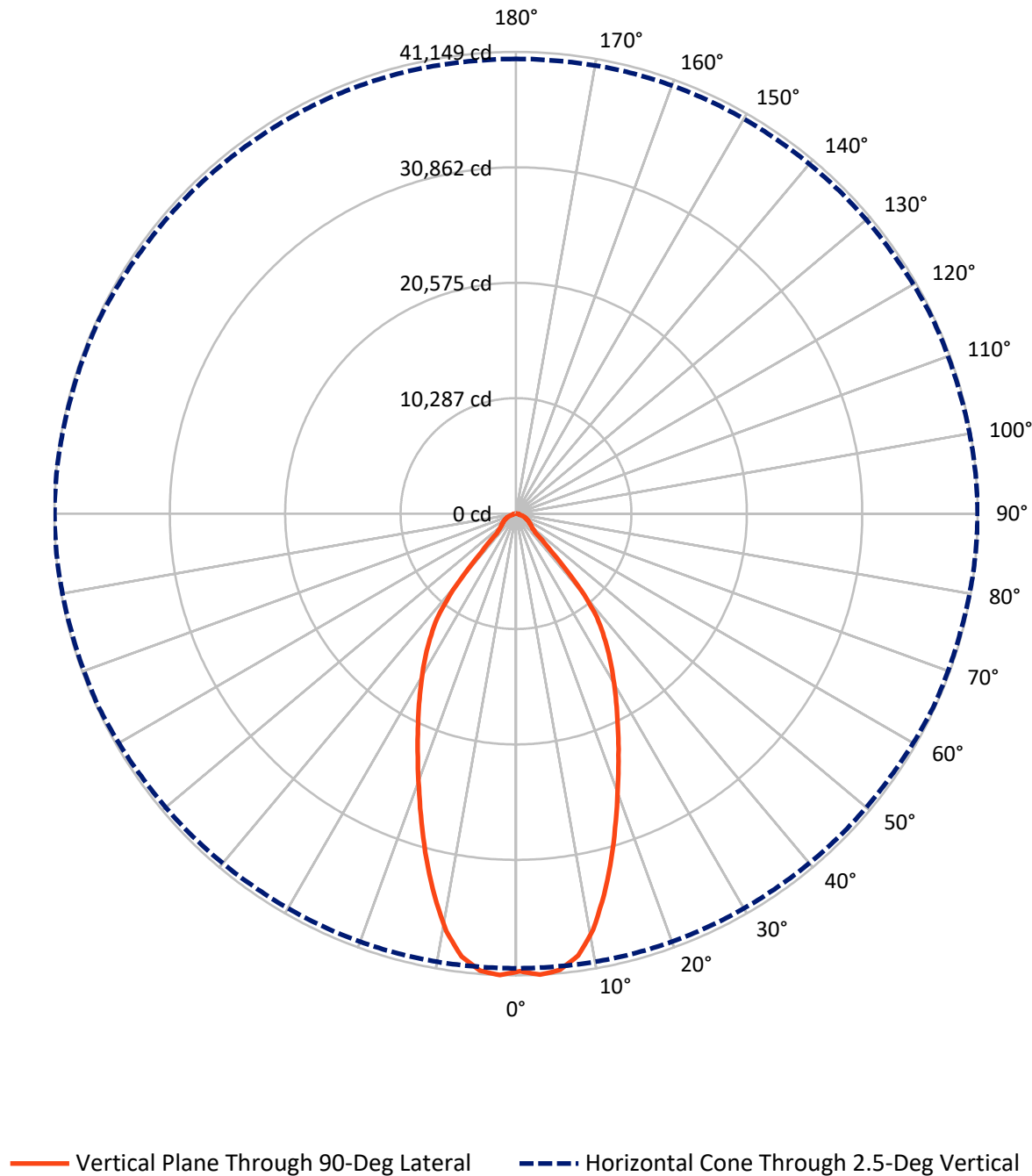


Based on 30 foot mounting height. Maximum calculated value = 45.3 fc

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	17813.6	0.0	17813.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17813.6	0.0	17813.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	35627.2	0.0	35627.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3759.5	10.6
10°-20°	8678.5	24.4
20°-30°	9528.3	26.7
30°-40°	8261.7	23.2
40°-50°	2718.4	7.6
50°-60°	1218.8	3.4
60°-70°	861.5	2.4
70°-80°	467.8	1.3
80°-90°	132.7	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°	35627.2	100.0
0°-180°	35627.2	100.0

Coefficient of Utilization



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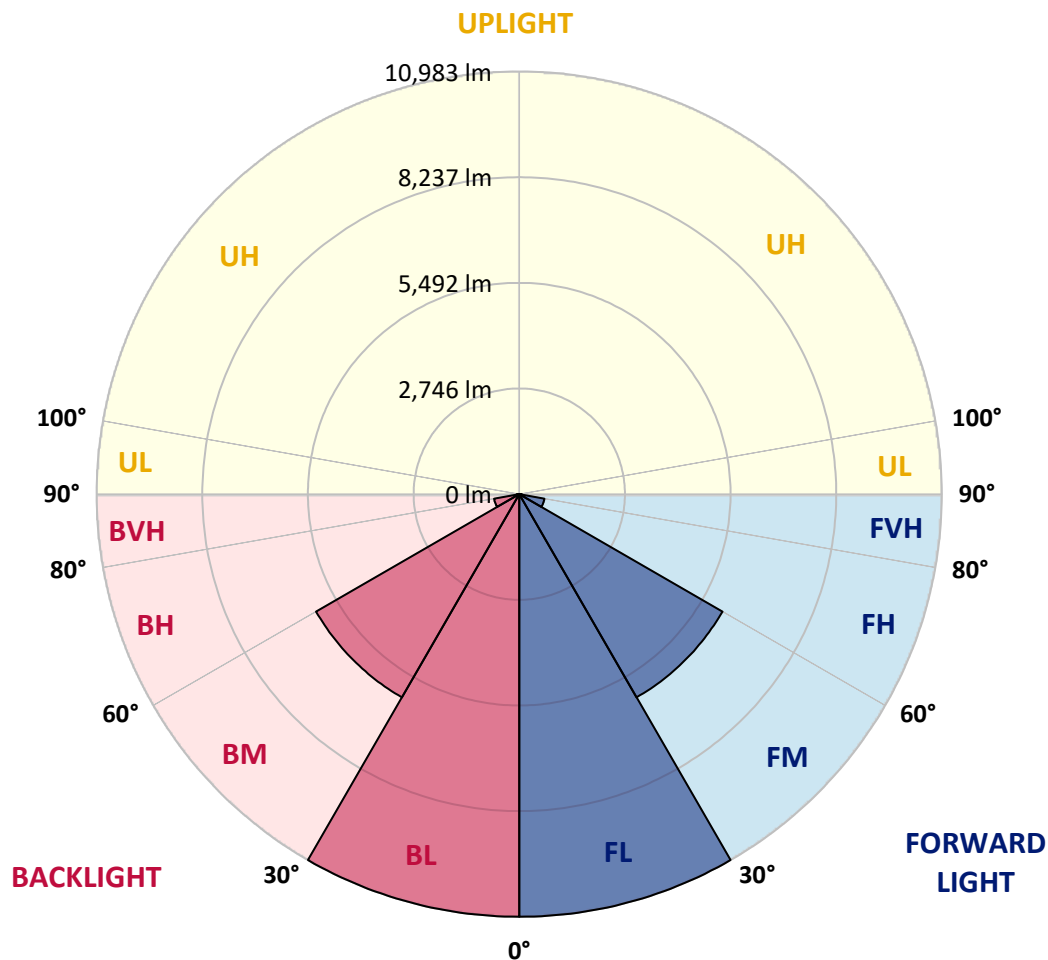
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10983.2	30.8			
FM	(30°-60°)	6099.5	17.1			
FH	(60°-80°)	664.6	1.9			G1/1800
FVH	(80°-90°)	66.3	0.2			G1/100
BL	(0°-30°)	10983.2	30.8	B5		
BM	(30°-60°)	6099.5	17.1	B4/8500		
BH	(60°-80°)	664.6	1.9	B2/1000		G1/1800
BVH	(80°-90°)	66.3	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°	40782.0	40782.0	40782.0	40782.0	40782.0	40782.0	40782.0	40782.0	40782.0	40782.0
2.5°	40528.3	40522.9	40587.6	40620.0	40636.2	40711.8	40787.4	40987.1	40992.5	41111.3
5°	40474.3	40425.7	40468.9	40404.1	40420.3	40420.3	40517.5	40663.2	40717.2	40836.0
7.5°	39270.5	39259.7	39232.7	39162.6	39248.9	39189.6	39367.7	39497.3	39621.4	39680.8
10°	37025.0	36922.4	36922.4	36825.2	36911.6	36830.6	37122.1	37240.9	37451.4	37575.6
12.5°	34120.8	34077.6	34083.0	34039.9	34034.5	33921.1	34261.2	34363.7	34552.7	34736.2
15°	31022.4	30957.6	31017.0	31017.0	30968.4	30865.8	31227.5	31367.8	31643.1	31729.5
17.5°	27961.7	27934.7	27972.5	27988.7	27950.9	27853.7	28204.6	28512.3	28701.2	28701.2
20°	25154.7	25143.9	25192.5	25143.9	25106.2	25041.4	25365.3	25662.1	25829.5	25840.3
22.5°	22687.8	22747.2	22704.0	22644.7	22563.7	22515.1	22812.0	23087.3	23200.7	23314.0
25°	20523.2	20539.4	20571.8	20480.1	20382.9	20323.5	20544.8	20776.9	20955.1	21019.9
27.5°	18741.9	18801.3	18720.3	18580.0	18526.0	18455.8	18612.3	18779.7	18909.2	19001.0
30°	17009.1	17041.5	17057.7	16912.0	16782.4	16679.9	16809.4	16955.2	17003.7	17084.7
32.5°	15346.5	15400.5	15454.5	15276.4	15184.6	15087.4	15152.2	15244.0	15271.0	15276.4
35°	13689.4	13651.6	13603.0	13538.2	13468.0	13349.3	13414.1	13446.4	13468.0	13468.0
37.5°	11686.7	11719.1	11729.9	11605.7	11573.3	11492.4	11535.6	11540.9	11584.1	11611.1
40°	8841.9	8955.3	8879.7	8804.2	8815.0	8717.8	8701.6	8680.0	8777.2	8815.0
42.5°	4809.6	5004.0	4804.2	4869.0	4820.4	4766.4	4750.3	4777.2	4653.1	4550.5
45°	2418.3	2407.5	2450.7	2450.7	2493.9	2510.1	2472.3	2439.9	2423.7	2380.5
47.5°	1948.7	1916.3	1910.9	1937.9	1970.3	1991.9	1959.5	1943.3	1937.9	1964.9
50°	1673.4	1624.8	1608.6	1646.4	1673.4	1695.0	1668.0	1668.0	1662.6	1705.8
52.5°	1457.5	1408.9	1408.9	1484.5	1506.0	1527.6	1511.4	1511.4	1511.4	1560.0
55°	1290.1	1252.3	1209.2	1306.3	1376.5	1398.1	1387.3	1381.9	1387.3	1441.3
57.5°	1160.6	1139.0	1112.0	1133.6	1241.5	1268.5	1263.1	1263.1	1273.9	1317.1
60°	1036.4	1025.6	1014.8	1014.8	1101.2	1149.8	1144.4	1144.4	1155.2	1182.2
62.5°	923.1	912.3	901.5	912.3	944.7	1020.2	1020.2	1025.6	1041.8	1052.6
65°	809.7	804.3	804.3	809.7	820.5	879.9	901.5	917.7	933.9	939.3
67.5°	701.7	696.3	701.7	712.5	712.5	739.5	788.1	804.3	820.5	820.5
70°	566.8	593.8	610.0	615.4	626.2	631.6	674.8	707.1	723.3	701.7
72.5°	307.7	350.9	529.0	545.2	550.6	556.0	588.4	626.2	637.0	415.6
75°	221.3	221.3	442.6	469.6	475.0	475.0	502.0	539.8	550.6	318.5
77.5°	145.7	140.3	307.7	340.1	388.7	313.1	410.2	453.4	464.2	264.5
80°	113.4	108.0	237.5	264.5	269.9	215.9	334.7	367.1	372.5	215.9
82.5°	86.4	81.0	172.7	194.3	210.5	140.3	237.5	280.7	291.5	188.9
85°	48.6	48.6	86.4	81.0	124.2	91.8	135.0	140.3	188.9	118.8
87.5°	16.2	21.6	37.8	37.8	43.2	37.8	54.0	54.0	59.4	43.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

40782.0
41149.0
40857.6
39777.9
37710.5
34860.4
31848.3
28771.4
25899.7
23378.8
21063.0
19028.0
17100.9
15341.1
13532.8
11724.5
8863.5
4599.1
2418.3
1986.5
1759.8
1614.0
1473.7
1349.5
1203.8
1068.8
950.1
820.5
620.8
356.3
313.1
259.1
194.3
194.3
113.4
32.4
0.0