

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: P524380

Luminaire Tested: **IFLD-S-SA3C-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524380
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15142.4 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 160.8
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

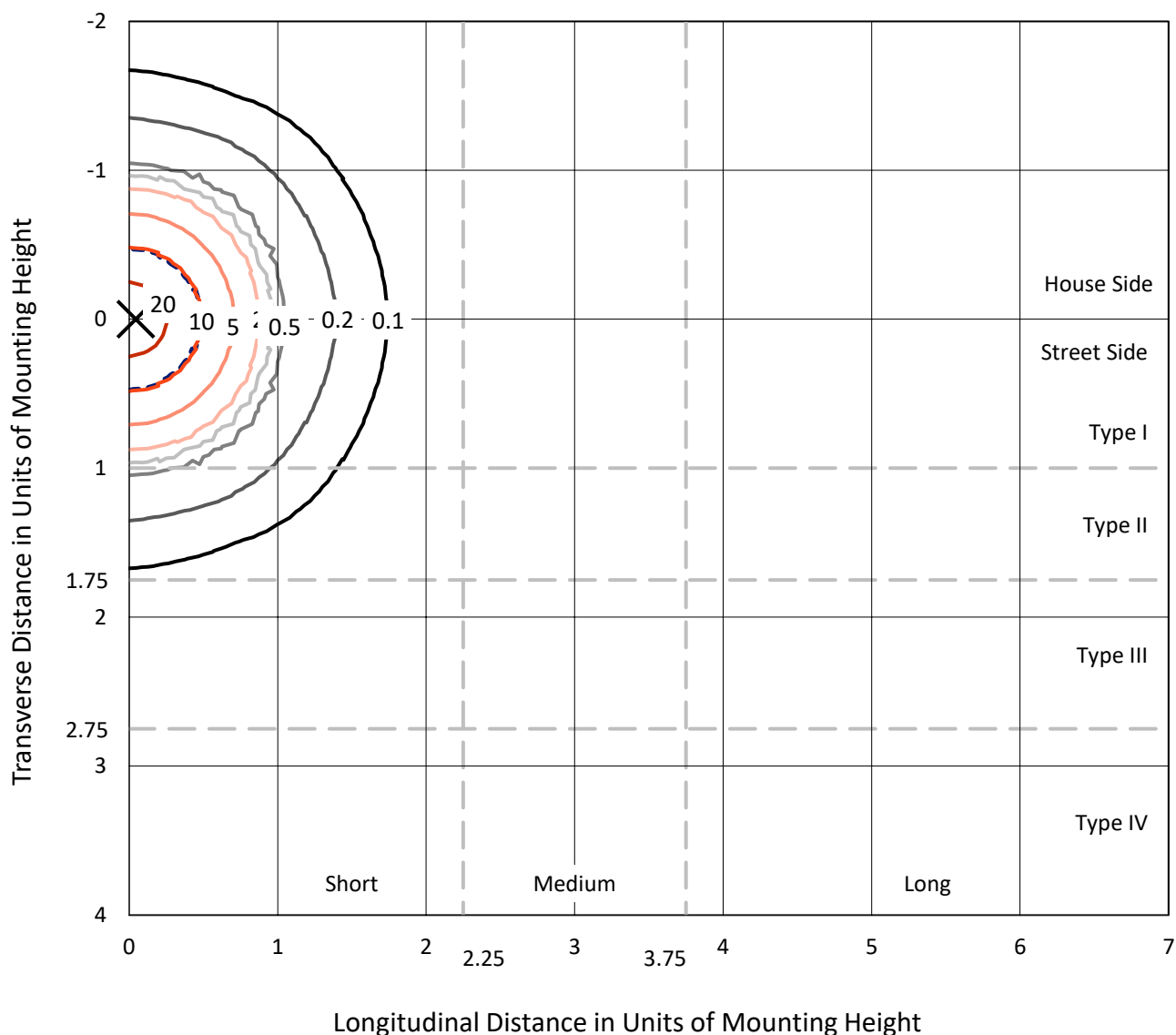
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

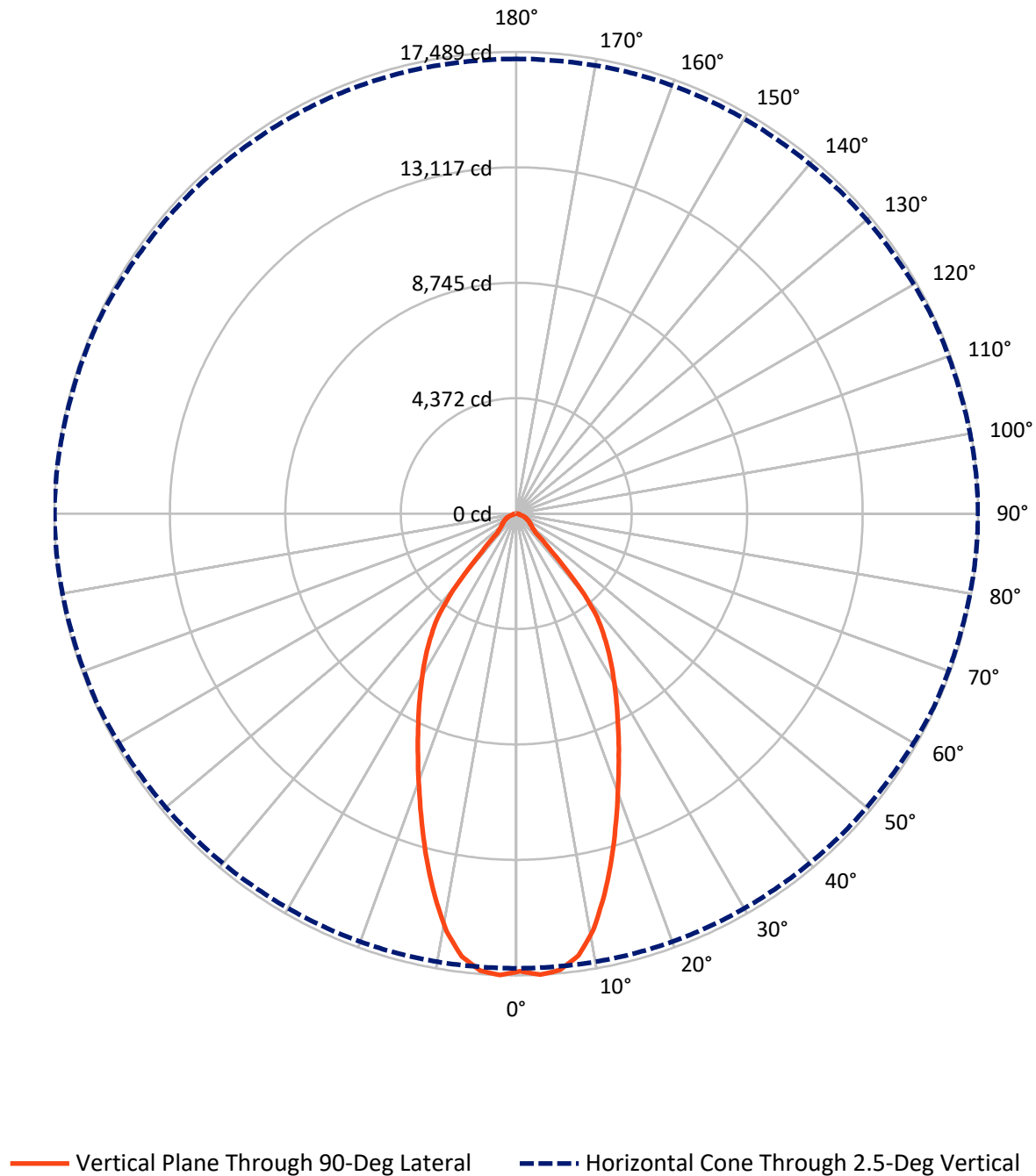


Based on 25 foot mounting height. Maximum calculated value = 27.7 fc

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	7571.2	0.0	7571.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7571.2	0.0	7571.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15142.4	0.0	15142.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1597.9	10.6
10°-20°	3688.6	24.4
20°-30°	4049.7	26.7
30°-40°	3511.4	23.2
40°-50°	1155.4	7.6
50°-60°	518.0	3.4
60°-70°	366.1	2.4
70°-80°	198.8	1.3
80°-90°	56.4	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°	15142.4	100.0
0°-180°	15142.4	100.0

Coefficient of Utilization



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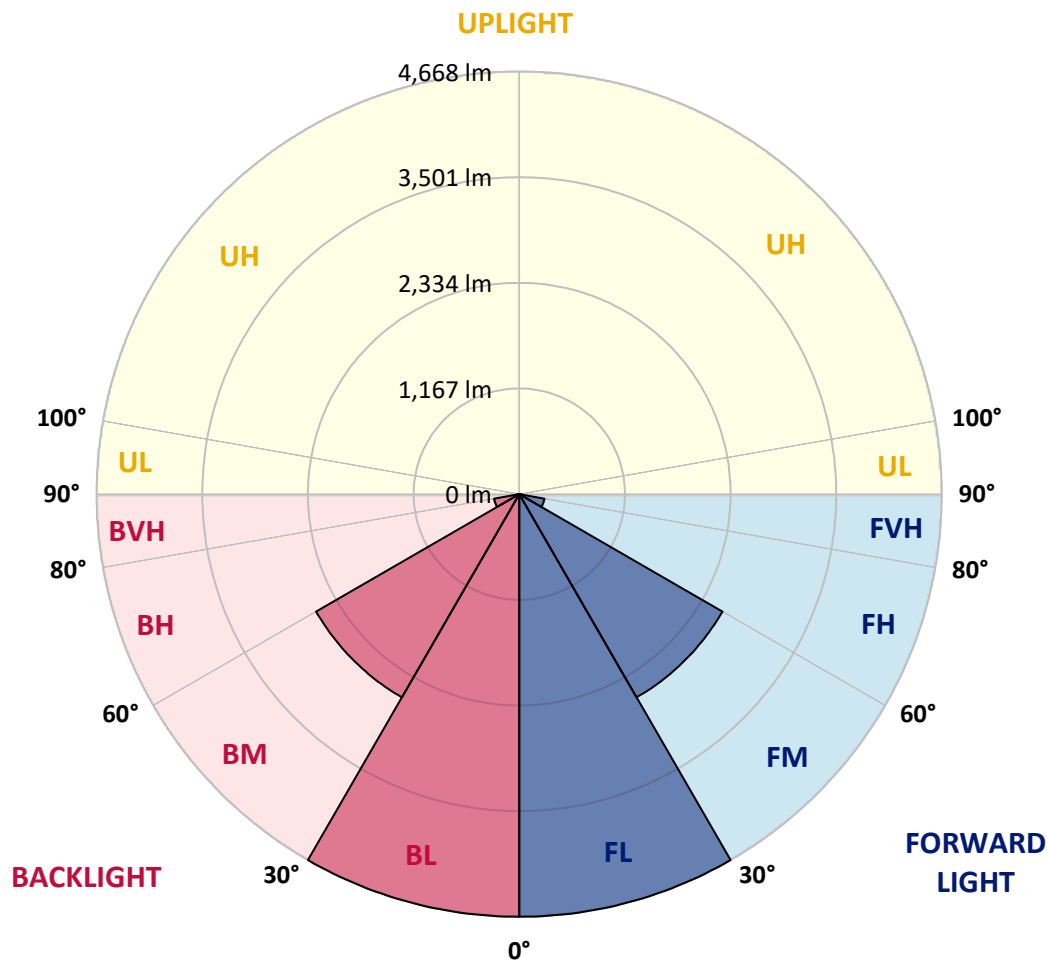
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4668.1	30.8			
FM	(30°-60°)	2592.4	17.1			
FH	(60°-80°)	282.5	1.9			G0/660
FVH	(80°-90°)	28.2	0.2			G1/100
BL	(0°-30°)	4668.1	30.8	B4/5000		
BM	(30°-60°)	2592.4	17.1	B3/5000		
BH	(60°-80°)	282.5	1.9	B1/500		G0/660
BVH	(80°-90°)	28.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17333.3	17333.3	17333.3	17333.3	17333.3	17333.3	17333.3	17333.3	17333.3	17333.3
2.5°	17225.5	17223.2	17250.7	17264.5	17271.4	17303.5	17335.6	17420.5	17422.8	17473.3
5°	17202.5	17181.9	17200.2	17172.7	17179.6	17179.6	17220.9	17282.8	17305.8	17356.2
7.5°	16690.9	16686.3	16674.8	16645.0	16681.7	16656.5	16732.2	16787.3	16840.0	16865.3
10°	15736.5	15692.9	15692.9	15651.6	15688.3	15653.9	15777.8	15828.3	15917.7	15970.5
12.5°	14502.2	14483.8	14486.1	14467.7	14465.4	14417.3	14561.8	14605.4	14685.7	14763.7
15°	13185.2	13157.7	13182.9	13182.9	13162.3	13118.7	13272.4	13332.1	13449.1	13485.8
17.5°	11884.4	11872.9	11889.0	11895.9	11879.8	11838.5	11987.6	12118.4	12198.7	12198.7
20°	10691.4	10686.8	10707.4	10686.8	10670.7	10643.2	10780.8	10907.0	10978.1	10982.7
22.5°	9642.9	9668.1	9649.7	9624.5	9590.1	9569.4	9695.6	9812.6	9860.8	9909.0
25°	8722.9	8729.7	8743.5	8704.5	8663.2	8638.0	8732.0	8830.7	8906.4	8933.9
27.5°	7965.7	7991.0	7956.6	7896.9	7874.0	7844.1	7910.7	7981.8	8036.9	8075.9
30°	7229.3	7243.0	7249.9	7188.0	7132.9	7089.3	7144.4	7206.3	7227.0	7261.4
32.5°	6522.6	6545.6	6568.5	6492.8	6453.8	6412.5	6440.0	6479.1	6490.5	6492.8
35°	5818.3	5802.2	5781.6	5754.1	5724.2	5673.8	5701.3	5715.1	5724.2	5724.2
37.5°	4967.1	4980.9	4985.5	4932.7	4918.9	4884.5	4902.9	4905.2	4923.5	4935.0
40°	3758.0	3806.2	3774.1	3742.0	3746.6	3705.3	3698.4	3689.2	3730.5	3746.6
42.5°	2044.2	2126.8	2041.9	2069.4	2048.8	2025.9	2019.0	2030.4	1977.7	1934.1
45°	1027.8	1023.2	1041.6	1041.6	1060.0	1066.8	1050.8	1037.0	1030.1	1011.8
47.5°	828.2	814.5	812.2	823.6	837.4	846.6	832.8	825.9	823.6	835.1
50°	711.2	690.6	683.7	699.8	711.2	720.4	708.9	708.9	706.6	725.0
52.5°	619.5	598.8	598.8	630.9	640.1	649.3	642.4	642.4	642.4	663.0
55°	548.3	532.3	513.9	555.2	585.0	594.2	589.6	587.3	589.6	612.6
57.5°	493.3	484.1	472.6	481.8	527.7	539.2	536.9	536.9	541.5	559.8
60°	440.5	435.9	431.3	431.3	468.0	488.7	486.4	486.4	491.0	502.4
62.5°	392.3	387.7	383.1	387.7	401.5	433.6	433.6	435.9	442.8	447.4
65°	344.1	341.8	341.8	344.1	348.7	374.0	383.1	390.0	396.9	399.2
67.5°	298.3	296.0	298.3	302.8	302.8	314.3	335.0	341.8	348.7	348.7
70°	240.9	252.4	259.3	261.5	266.1	268.4	286.8	300.6	307.4	298.3
72.5°	130.8	149.1	224.8	231.7	234.0	236.3	250.1	266.1	270.7	176.7
75°	94.1	94.1	188.1	199.6	201.9	201.9	213.4	229.4	234.0	135.4
77.5°	61.9	59.7	130.8	144.5	165.2	133.1	174.4	192.7	197.3	112.4
80°	48.2	45.9	100.9	112.4	114.7	91.8	142.2	156.0	158.3	91.8
82.5°	36.7	34.4	73.4	82.6	89.5	59.7	100.9	119.3	123.9	80.3
85°	20.6	20.6	36.7	34.4	52.8	39.0	57.4	59.7	80.3	50.5
87.5°	6.9	9.2	16.1	16.1	18.4	16.1	22.9	22.9	25.2	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

17333.3
17489.3
17365.4
16906.6
16027.9
14816.5
13536.3
12228.5
11008.0
9936.5
8952.3
8087.3
7268.3
6520.3
5751.8
4983.2
3767.2
1954.7
1027.8
844.3
747.9
686.0
626.3
573.6
511.6
454.3
403.8
348.7
263.8
151.4
133.1
110.1
82.6
82.6
48.2
13.8
0.0