

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: P524303

Luminaire Tested: **IFLD-S-SA3D-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524303
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14757.1 lumens
Efficiency: N/A
Efficacy: 80.2 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): 184.1
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

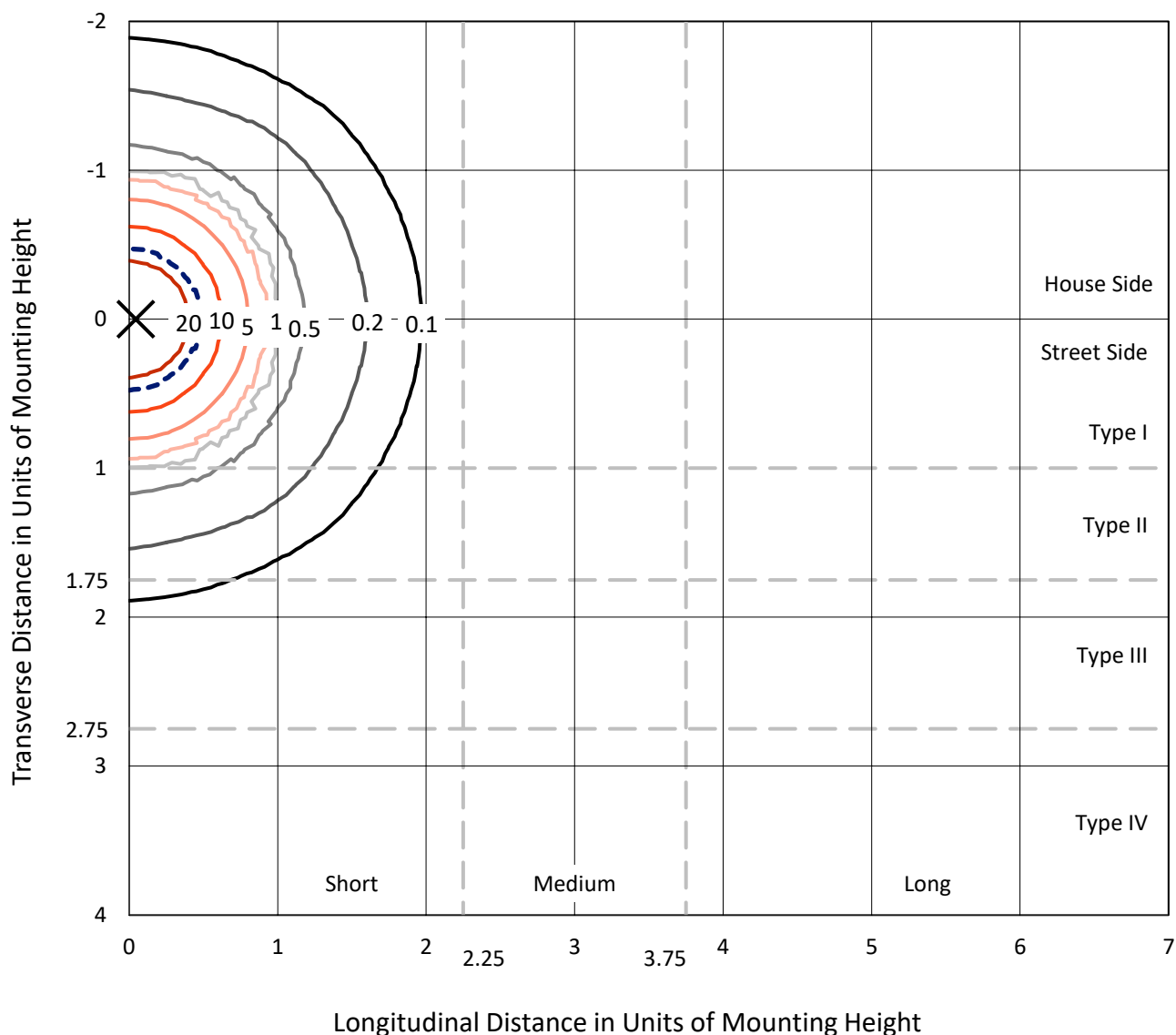
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

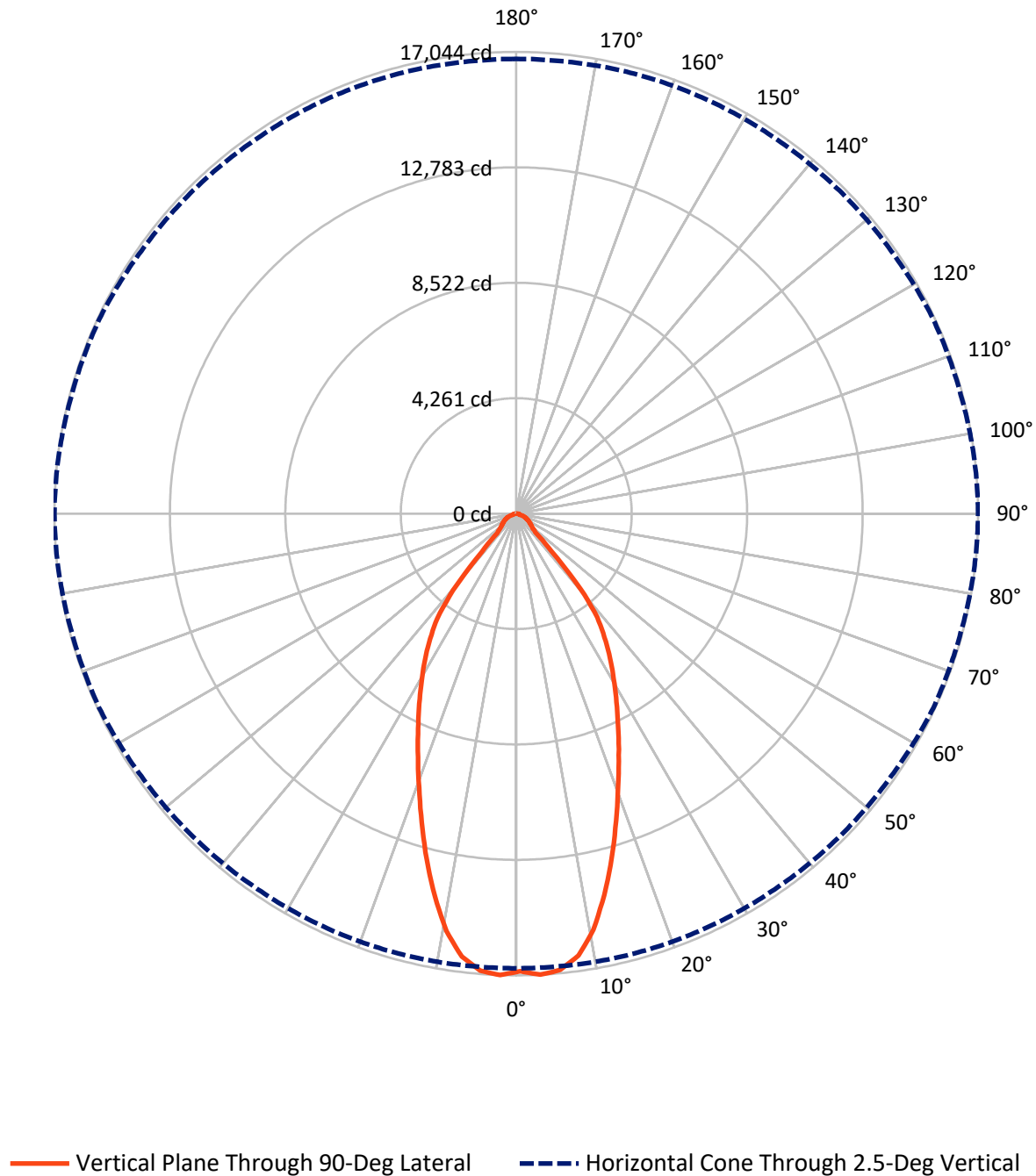


Based on 20 foot mounting height. Maximum calculated value = 42.2 fc

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	7378.6	0.0	7378.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7378.6	0.0	7378.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14757.1	0.0	14757.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1557.2	10.6
10°-20°	3594.7	24.4
20°-30°	3946.7	26.7
30°-40°	3422.1	23.2
40°-50°	1126.0	7.6
50°-60°	504.9	3.4
60°-70°	356.8	2.4
70°-80°	193.8	1.3
80°-90°	54.9	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°	14757.1	100.0
0°-180°	14757.1	100.0

Coefficient of Utilization



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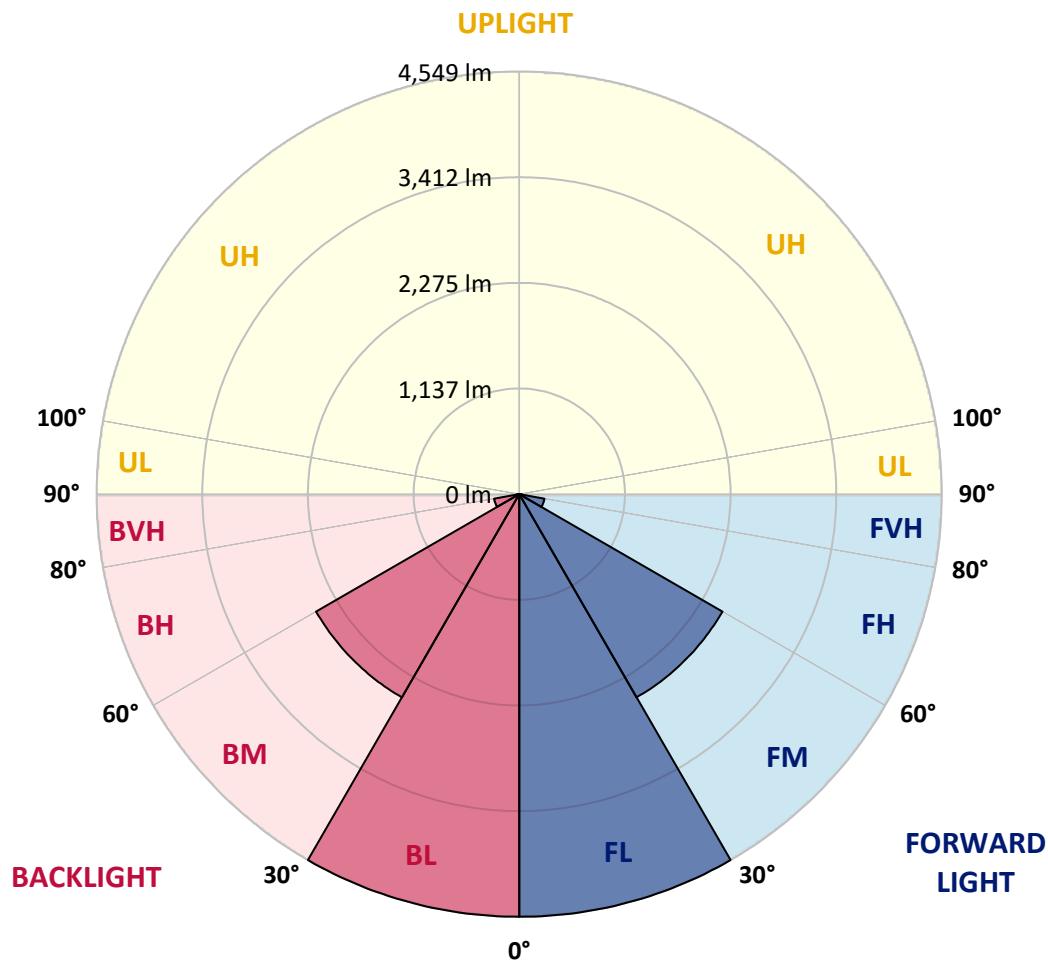
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4549.3	30.8			
FM	(30°-60°)	2526.5	17.1			
FH	(60°-80°)	275.3	1.9			G0/660
FVH	(80°-90°)	27.5	0.2			G1/100
BL	(0°-30°)	4549.3	30.8	B4/5000		
BM	(30°-60°)	2526.5	17.1	B3/5000		
BH	(60°-80°)	275.3	1.9	B1/500		G0/660
BVH	(80°-90°)	27.5	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°	16892.3	16892.3	16892.3	16892.3	16892.3	16892.3	16892.3	16892.3	16892.3	16892.3
2.5°	16787.2	16784.9	16811.8	16825.2	16831.9	16863.2	16894.5	16977.2	16979.5	17028.7
5°	16764.8	16744.7	16762.6	16735.8	16742.5	16742.5	16782.7	16843.1	16865.4	16914.6
7.5°	16266.2	16261.7	16250.6	16221.5	16257.3	16232.7	16306.5	16360.1	16411.5	16436.1
10°	15336.1	15293.6	15293.6	15253.3	15289.1	15255.6	15376.3	15425.5	15512.7	15564.1
12.5°	14133.2	14115.3	14117.5	14099.6	14097.4	14050.4	14191.3	14233.8	14312.0	14388.1
15°	12849.7	12822.9	12847.5	12847.5	12827.4	12784.9	12934.7	12992.8	13106.9	13142.7
17.5°	11582.0	11570.8	11586.5	11593.2	11577.5	11537.3	11682.6	11810.1	11888.3	11888.3
20°	10419.3	10414.8	10435.0	10414.8	10399.2	10372.4	10506.5	10629.5	10698.8	10703.3
22.5°	9397.5	9422.1	9404.2	9379.6	9346.1	9326.0	9448.9	9563.0	9609.9	9656.9
25°	8500.9	8507.6	8521.0	8483.0	8442.8	8418.2	8509.9	8606.0	8679.8	8706.6
27.5°	7763.1	7787.7	7754.1	7696.0	7673.6	7644.6	7709.4	7778.7	7832.4	7870.4
30°	7045.3	7058.8	7065.5	7005.1	6951.4	6908.9	6962.6	7023.0	7043.1	7076.6
32.5°	6356.7	6379.0	6401.4	6327.6	6289.6	6249.4	6276.2	6314.2	6325.4	6327.6
35°	5670.3	5654.6	5634.5	5607.7	5578.6	5529.4	5556.2	5569.6	5578.6	5578.6
37.5°	4840.7	4854.2	4858.6	4807.2	4793.8	4760.2	4778.1	4780.4	4798.3	4809.4
40°	3662.4	3709.4	3678.1	3646.8	3651.2	3611.0	3604.3	3595.3	3635.6	3651.2
42.5°	1992.2	2072.7	1990.0	2016.8	1996.7	1974.3	1967.6	1978.8	1927.4	1884.9
45°	1001.7	997.2	1015.1	1015.1	1033.0	1039.7	1024.0	1010.6	1003.9	986.0
47.5°	807.2	793.7	791.5	802.7	816.1	825.0	811.6	804.9	802.7	813.9
50°	693.1	673.0	666.3	682.0	693.1	702.1	690.9	690.9	688.7	706.5
52.5°	603.7	583.6	583.6	614.9	623.8	632.8	626.1	626.1	626.1	646.2
55°	534.4	518.7	500.8	541.1	570.2	579.1	574.6	572.4	574.6	597.0
57.5°	480.7	471.8	460.6	469.5	514.3	525.4	523.2	523.2	527.7	545.6
60°	429.3	424.8	420.4	420.4	456.1	476.2	474.0	474.0	478.5	489.7
62.5°	382.3	377.9	373.4	377.9	391.3	422.6	422.6	424.8	431.5	436.0
65°	335.4	333.1	333.1	335.4	339.9	364.5	373.4	380.1	386.8	389.0
67.5°	290.7	288.4	290.7	295.1	295.1	306.3	326.4	333.1	339.9	339.9
70°	234.8	245.9	252.7	254.9	259.4	261.6	279.5	292.9	299.6	290.7
72.5°	127.4	145.3	219.1	225.8	228.1	230.3	243.7	259.4	263.8	172.2
75°	91.7	91.7	183.3	194.5	196.8	196.8	207.9	223.6	228.1	131.9
77.5°	60.4	58.1	127.4	140.9	161.0	129.7	169.9	187.8	192.3	109.6
80°	47.0	44.7	98.4	109.6	111.8	89.4	138.6	152.0	154.3	89.4
82.5°	35.8	33.5	71.5	80.5	87.2	58.1	98.4	116.3	120.7	78.3
85°	20.1	20.1	35.8	33.5	51.4	38.0	55.9	58.1	78.3	49.2
87.5°	6.7	8.9	15.7	15.7	17.9	15.7	22.4	22.4	24.6	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

16892.3
17044.3
16923.6
16476.4
15620.0
14439.5
13191.8
11917.4
10727.9
9683.7
8724.5
7881.6
7083.3
6354.4
5605.4
4856.4
3671.4
1905.0
1001.7
822.8
728.9
668.5
610.4
559.0
498.6
442.7
393.5
339.9
257.1
147.6
129.7
107.3
80.5
80.5
47.0
13.4
0.0