

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: P524333

Luminaire Tested: **IFLD-L-SA8D-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524333
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34721.3 lumens
Efficiency: N/A
Efficacy: 71.1 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): 488.3
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

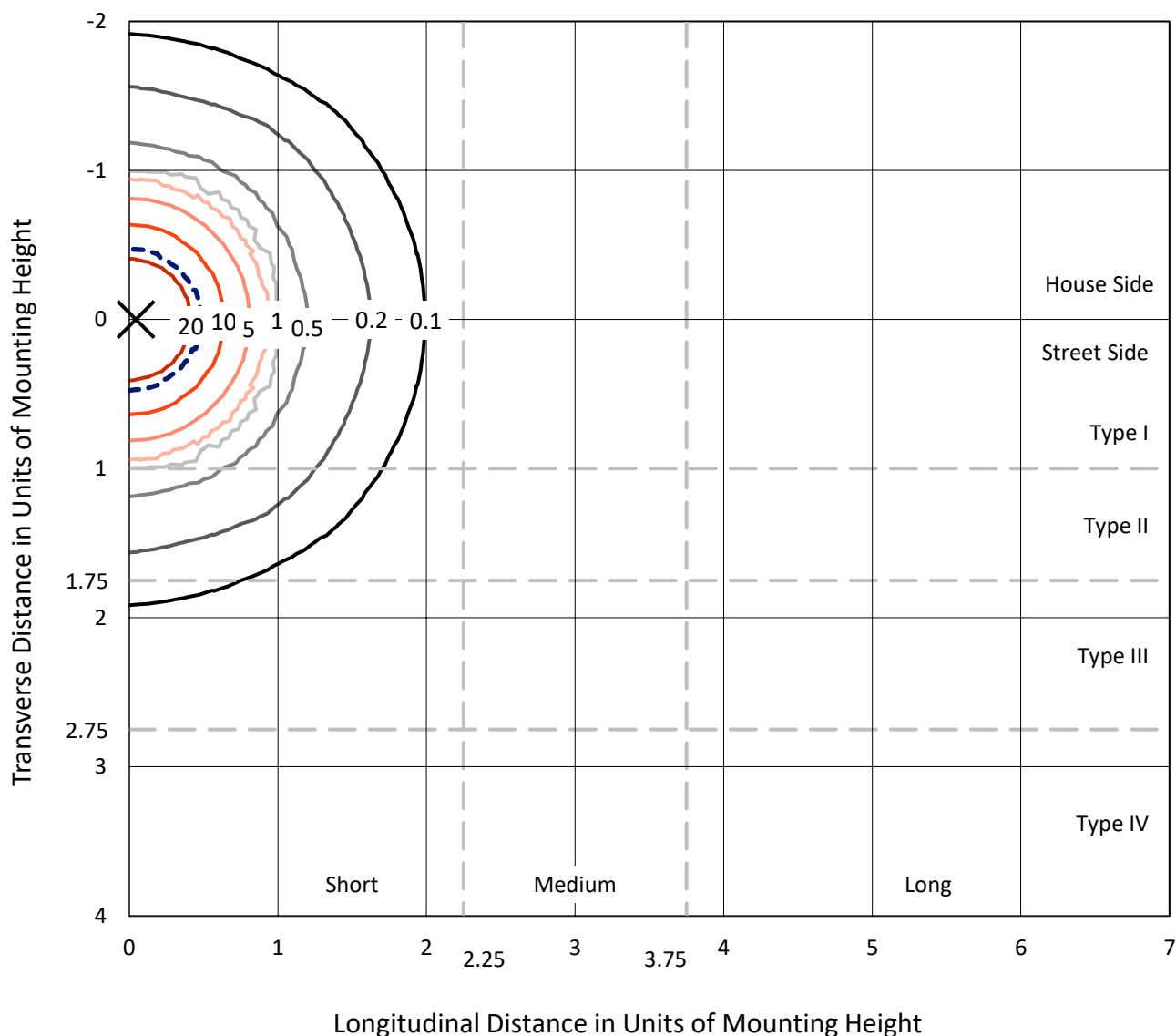
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

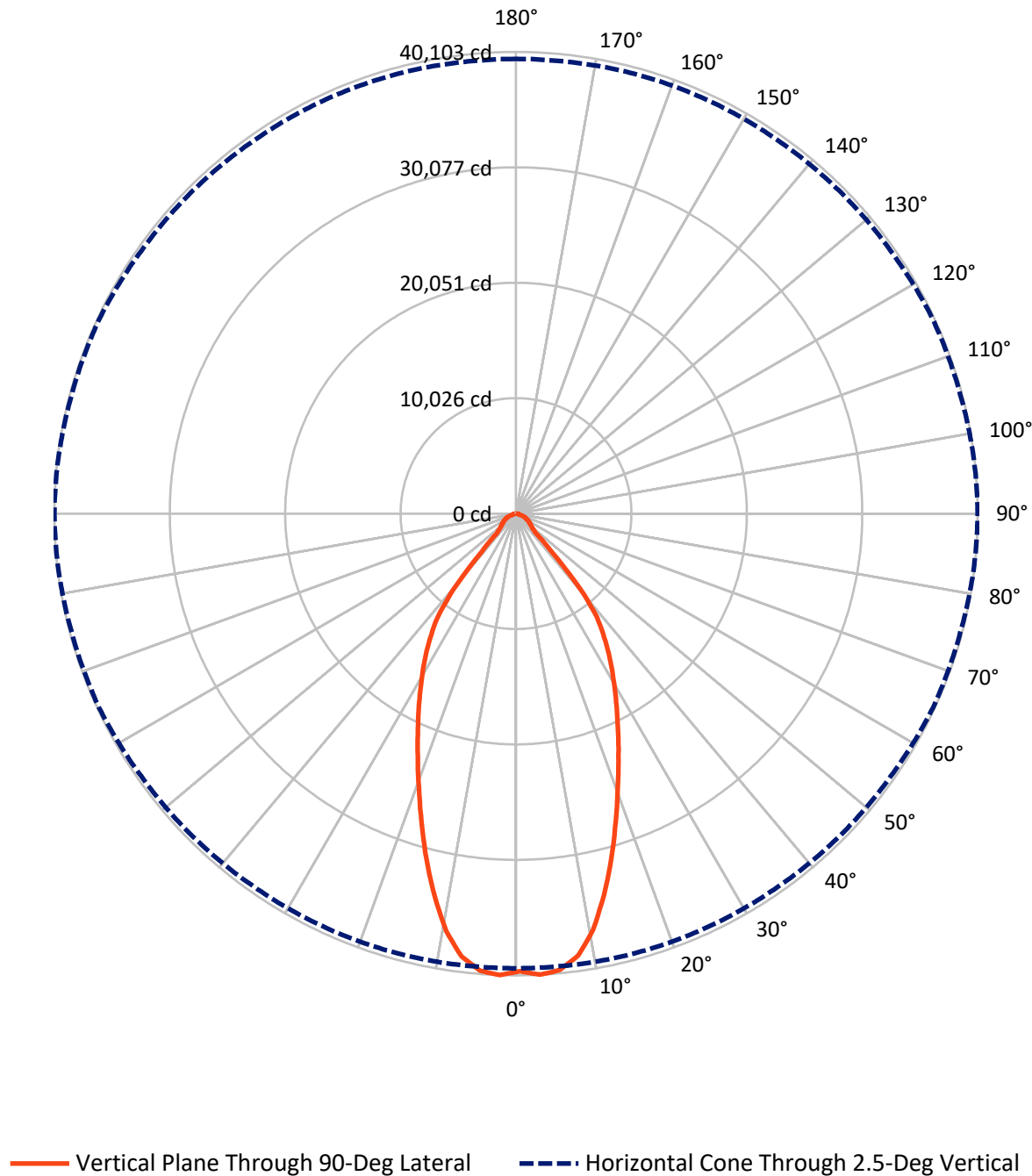


Based on 30 foot mounting height. Maximum calculated value = 44.2 fc

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	17360.6	0.0	17360.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17360.6	0.0	17360.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	34721.3	0.0	34721.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3663.9	10.6
10°-20°	8457.8	24.4
20°-30°	9286.0	26.7
30°-40°	8051.6	23.2
40°-50°	2649.3	7.6
50°-60°	1187.9	3.4
60°-70°	839.6	2.4
70°-80°	455.9	1.3
80°-90°	129.3	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°	34721.3	100.0
0°-180°	34721.3	100.0

Coefficient of Utilization



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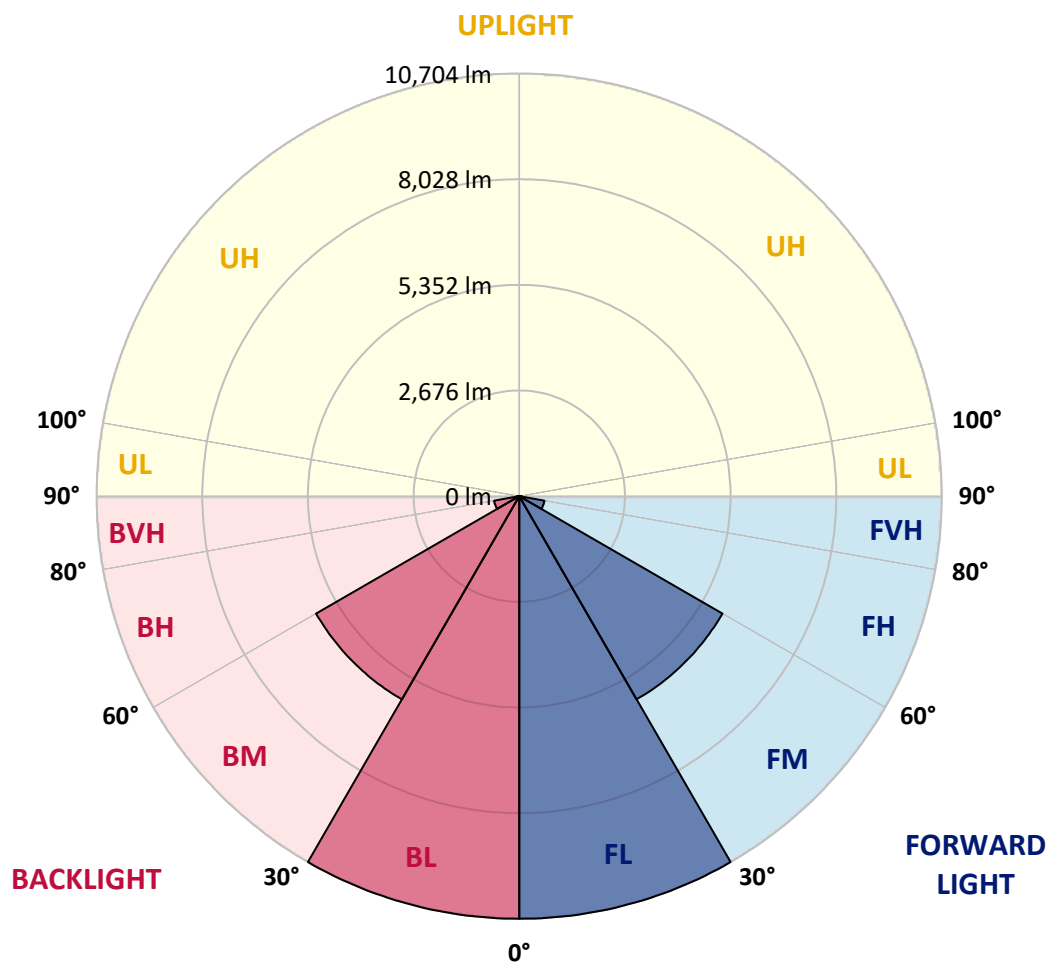
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10703.9	30.8			
FM	(30°-60°)	5944.4	17.1			
FH	(60°-80°)	647.7	1.9			G0/660
FVH	(80°-90°)	64.6	0.2			G1/100
BL	(0°-30°)	10703.9	30.8	B5		
BM	(30°-60°)	5944.4	17.1	B4/8500		
BH	(60°-80°)	647.7	1.9	B2/1000		G0/660
BVH	(80°-90°)	64.6	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°	39745.0	39745.0	39745.0	39745.0	39745.0	39745.0	39745.0	39745.0	39745.0	39745.0
2.5°	39497.7	39492.5	39555.6	39587.1	39602.9	39676.6	39750.2	39944.9	39950.1	40065.9
5°	39445.1	39397.8	39439.8	39376.7	39392.5	39392.5	39487.2	39629.2	39681.8	39797.6
7.5°	38272.0	38261.4	38235.1	38166.7	38250.9	38193.0	38366.7	38492.9	38613.9	38671.8
10°	36083.5	35983.5	35983.5	35888.8	35973.0	35894.1	36178.2	36293.9	36499.1	36620.1
12.5°	33253.2	33211.1	33216.4	33174.3	33169.0	33058.6	33390.0	33489.9	33674.1	33852.9
15°	30233.5	30170.4	30228.3	30228.3	30180.9	30081.0	30433.4	30570.2	30838.5	30922.7
17.5°	27250.7	27224.4	27261.2	27277.0	27240.2	27145.5	27487.4	27787.3	27971.4	27971.4
20°	24515.1	24504.6	24551.9	24504.6	24467.7	24404.6	24720.3	25009.6	25172.7	25183.2
22.5°	22110.9	22168.8	22126.7	22068.8	21989.9	21942.6	22231.9	22500.2	22610.7	22721.2
25°	20001.4	20017.2	20048.7	19959.3	19864.6	19806.7	20022.4	20248.6	20422.2	20485.4
27.5°	18265.3	18323.2	18244.3	18107.5	18054.9	17986.5	18139.1	18302.1	18428.4	18517.8
30°	16576.6	16608.2	16624.0	16481.9	16355.7	16255.7	16382.0	16524.0	16571.4	16650.3
32.5°	14956.3	15008.9	15061.5	14887.9	14798.5	14703.8	14766.9	14856.4	14882.7	14887.9
35°	13341.3	13304.4	13257.1	13194.0	13125.6	13009.8	13073.0	13104.5	13125.6	13125.6
37.5°	11389.5	11421.1	11431.6	11310.6	11279.0	11200.1	11242.2	11247.5	11289.6	11315.9
40°	8617.1	8727.6	8653.9	8580.3	8590.8	8496.1	8480.3	8459.3	8554.0	8590.8
42.5°	4687.3	4876.7	4682.1	4745.2	4697.8	4645.2	4629.5	4655.8	4534.8	4434.8
45°	2356.8	2346.3	2388.4	2388.4	2430.5	2446.2	2409.4	2377.9	2362.1	2320.0
47.5°	1899.1	1867.6	1862.3	1888.6	1920.2	1941.2	1909.7	1893.9	1888.6	1914.9
50°	1630.8	1583.5	1567.7	1604.5	1630.8	1651.9	1625.6	1625.6	1620.3	1662.4
52.5°	1420.4	1373.1	1373.1	1446.7	1467.7	1488.8	1473.0	1473.0	1473.0	1520.4
55°	1257.3	1220.5	1178.4	1273.1	1341.5	1362.5	1352.0	1346.8	1352.0	1404.6
57.5°	1131.1	1110.0	1083.7	1104.8	1210.0	1236.3	1231.0	1231.0	1241.5	1283.6
60°	1010.1	999.5	989.0	989.0	1073.2	1120.5	1115.3	1115.3	1125.8	1152.1
62.5°	899.6	889.1	878.5	889.1	920.6	994.3	994.3	999.5	1015.3	1025.8
65°	789.1	783.9	783.9	789.1	799.6	857.5	878.5	894.3	910.1	915.4
67.5°	683.9	678.6	683.9	694.4	694.4	720.7	768.1	783.9	799.6	799.6
70°	552.4	578.7	594.5	599.7	610.2	615.5	657.6	689.2	704.9	683.9
72.5°	299.9	341.9	515.6	531.3	536.6	541.9	573.4	610.2	620.8	405.1
75°	215.7	215.7	431.4	457.7	462.9	462.9	489.2	526.1	536.6	310.4
77.5°	142.0	136.8	299.9	331.4	378.8	305.1	399.8	441.9	452.4	257.8
80°	110.5	105.2	231.5	257.8	263.0	210.4	326.2	357.7	363.0	210.4
82.5°	84.2	78.9	168.3	189.4	205.2	136.8	231.5	273.6	284.1	184.1
85°	47.3	47.3	84.2	78.9	121.0	89.4	131.5	136.8	184.1	115.7
87.5°	15.8	21.0	36.8	36.8	42.1	36.8	52.6	52.6	57.9	42.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

39745.0
40102.7
39818.6
38766.5
36751.6
33973.9
31038.4
28039.8
25241.1
22784.3
20527.4
18544.1
16666.1
14951.1
13188.7
11426.3
8638.2
4482.2
2356.8
1936.0
1715.0
1573.0
1436.2
1315.2
1173.1
1041.6
925.9
799.6
605.0
347.2
305.1
252.5
189.4
189.4
110.5
31.6
0.0