

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: P524131

Luminaire Tested: **IFLD-L-SA7B-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524131
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

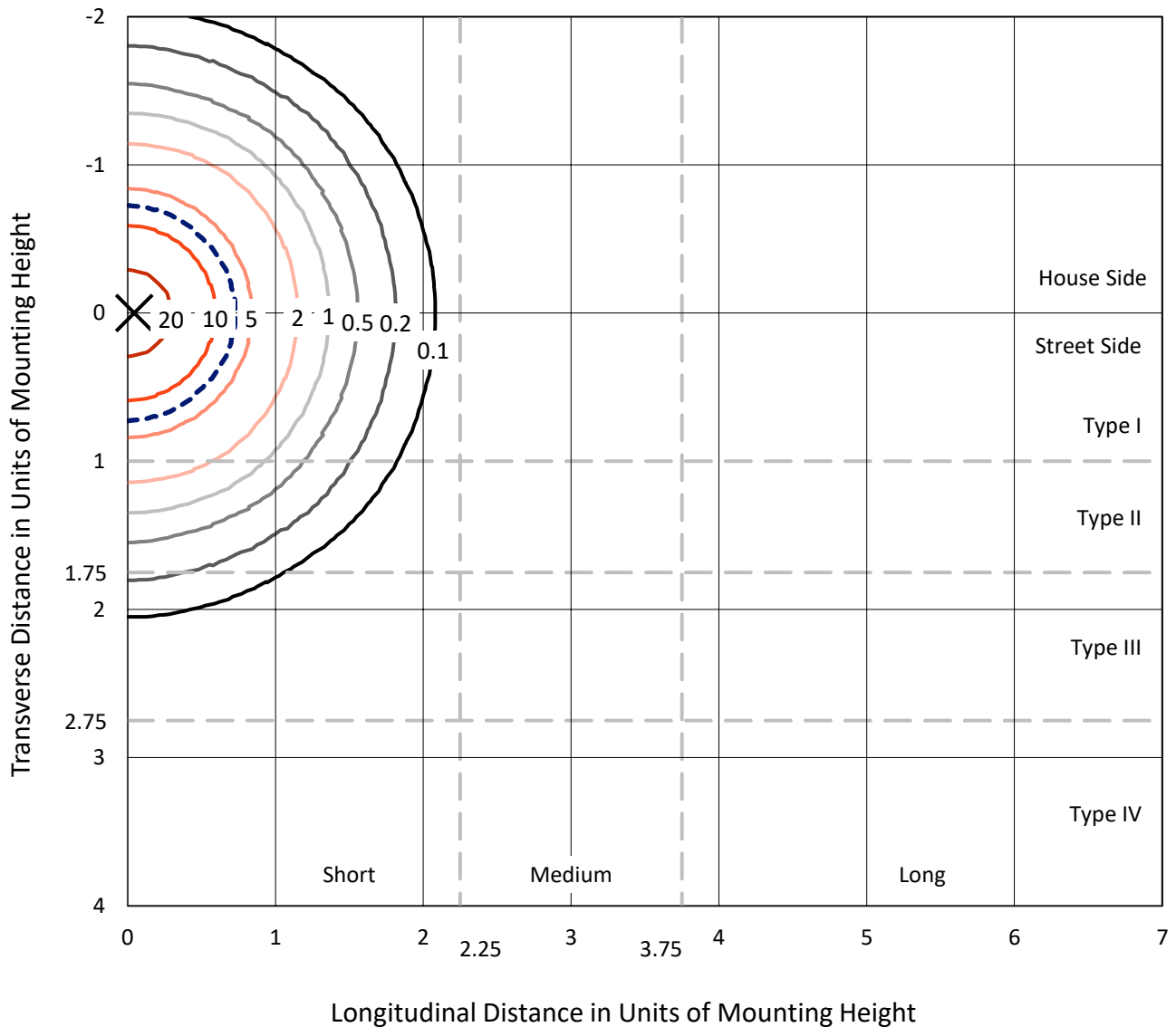
Lumens per Lamp: N/A
Luminaire Lumens: 23648.2 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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: P524131
 CATALOG NUMBER: IFLD-L-SA7B-930-U-66

Iso-Footcandle Lines of Horizontal Illumination

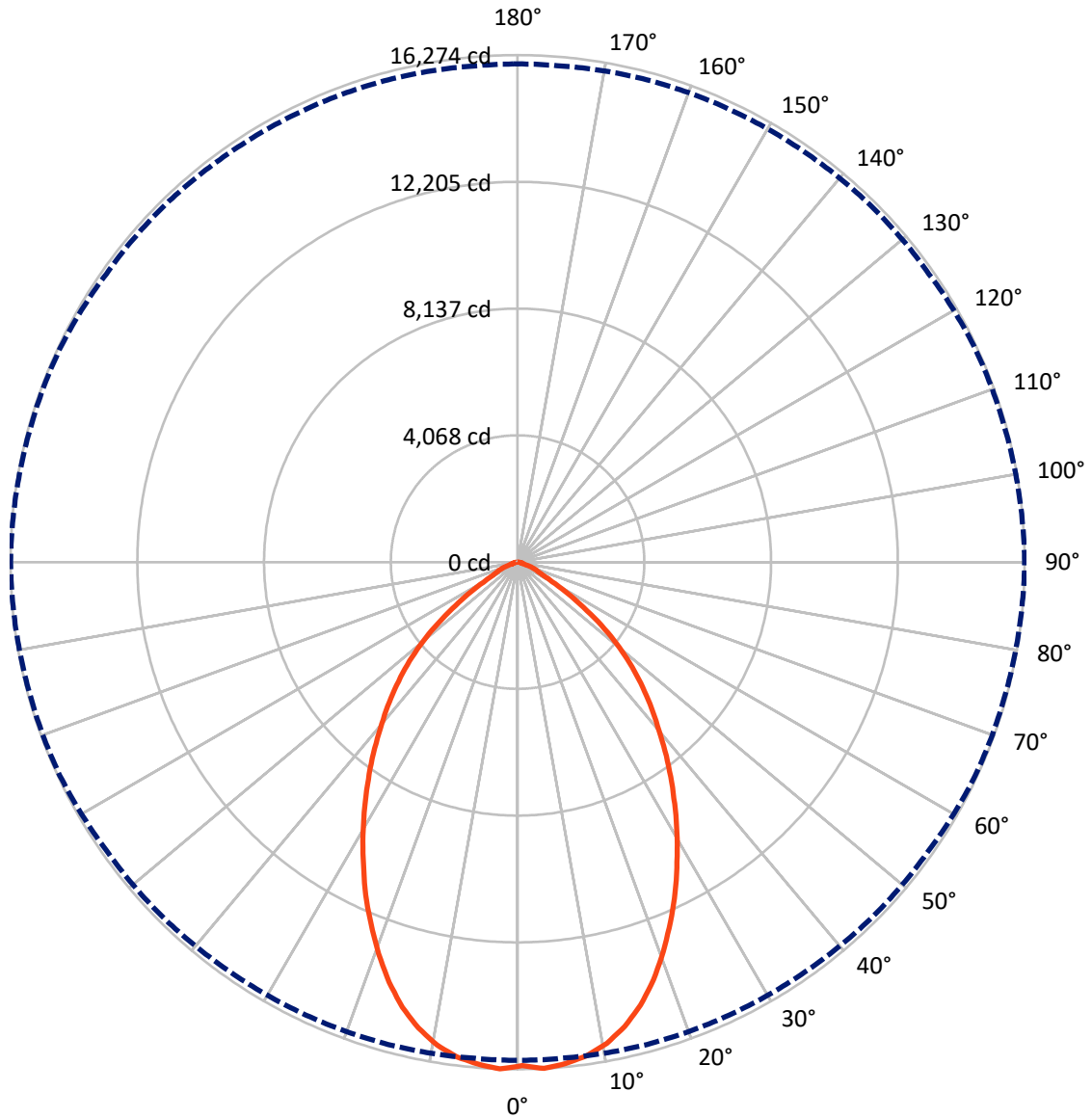
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.9 fc
 Type V - Short - N/A

REPORT NUMBER: P524131
CATALOG NUMBER: IFLD-L-SA7B-930-U-66

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P524131

CATALOG NUMBER: IFLD-L-SA7B-930-U-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11824.1	0.0	11824.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11824.1	0.0	11824.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23648.2	0.0	23648.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1517.4	6.4
10°-20°	4077.4	17.2
20°-30°	5275.3	22.3
30°-40°	5202.7	22.0
40°-50°	4209.2	17.8
50°-60°	2291.8	9.7
60°-70°	726.1	3.1
70°-80°	281.0	1.2
80°-90°	67.1	0.3
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°	23648.2	100.0
0°-180°	23648.2	100.0

Coefficient of Utilization



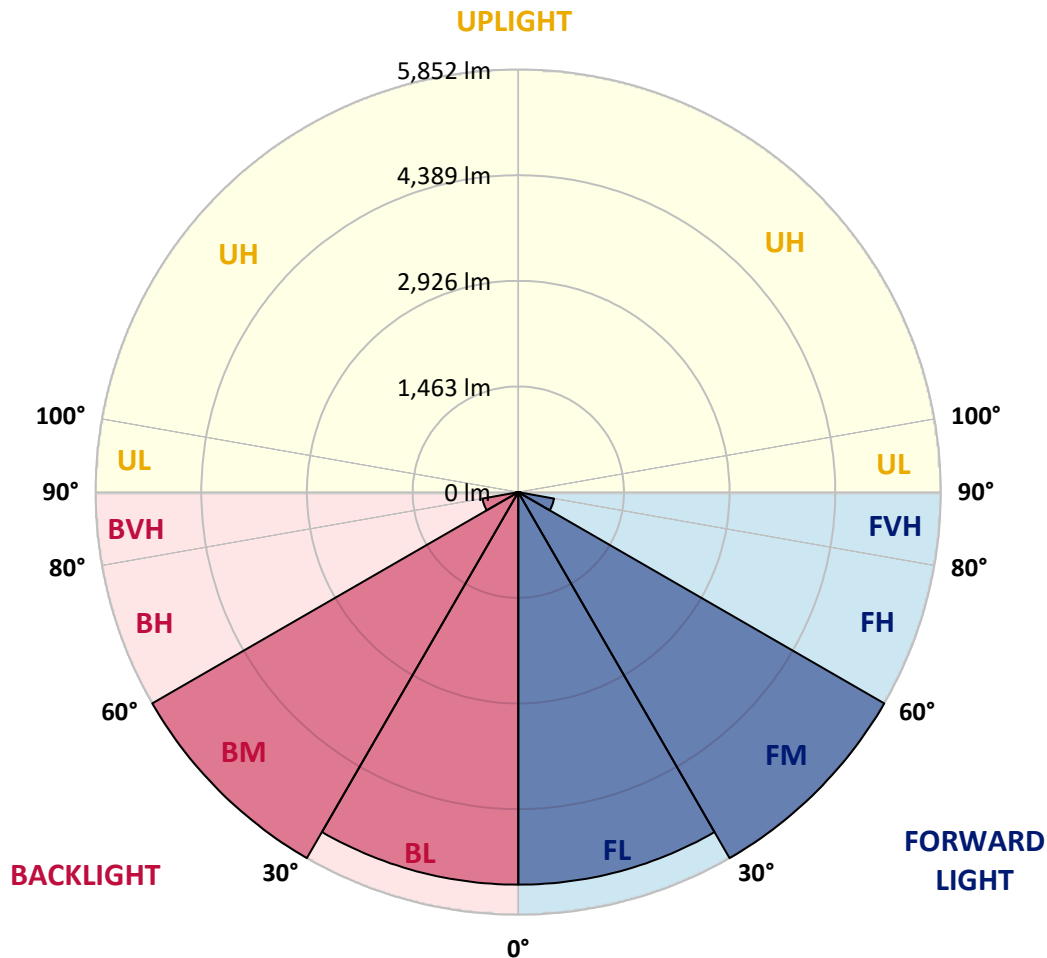
REPORT NUMBER: P524131
 CATALOG NUMBER: IFLD-L-SA7B-930-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5435.1	23.0			
FM (30°-60°)	5851.9	24.7			
FH (60°-80°)	503.6	2.1			G0/660
FVH (80°-90°)	33.6	0.1			G1/100
BL (0°-30°)	5435.1	23.0	B5		
BM (30°-60°)	5851.9	24.7	B4/8500		
BH (60°-80°)	503.6	2.1	B2/1000		G0/660
BVH (80°-90°)	33.6	0.1			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





REPORT NUMBER: P524131
 CATALOG NUMBER: IFLD-L-SA7B-930-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16164.2	16164.2	16164.2	16164.2	16164.2	16164.2	16164.2	16164.2	16164.2	16164.2	16164.2
2.5°	15989.9	15986.5	16027.5	16044.6	16065.1	16106.1	16119.8	16208.6	16218.8	16253.0	16273.5
5°	15962.6	15948.9	15989.9	15996.8	16020.7	16027.5	16048.0	16109.5	16102.7	16153.9	16164.2
7.5°	15815.7	15798.6	15832.8	15839.6	15873.8	15863.5	15897.7	15942.1	15942.1	15979.7	15996.8
10°	15487.7	15484.3	15518.4	15521.8	15569.7	15559.4	15614.1	15624.3	15651.7	15679.0	15709.8
12.5°	15094.8	15050.4	15094.8	15077.7	15142.6	15105.0	15180.2	15204.1	15217.8	15265.6	15289.5
15°	14589.1	14534.4	14565.2	14548.1	14589.1	14541.3	14619.9	14667.7	14684.8	14732.6	14756.5
17.5°	13912.6	13868.2	13875.0	13851.1	13878.4	13840.9	13916.0	13991.2	14015.1	14066.4	14100.5
20°	13061.9	13061.9	13065.3	13044.8	13068.7	13031.1	13078.9	13195.1	13219.0	13287.4	13345.4
22.5°	12231.6	12231.6	12241.9	12214.5	12221.4	12204.3	12255.5	12368.3	12405.9	12477.6	12549.4
25°	11435.5	11421.9	11428.7	11404.8	11377.5	11384.3	11445.8	11517.5	11599.5	11691.8	11746.4
27.5°	10677.0	10694.1	10653.1	10636.0	10615.5	10578.0	10649.7	10738.5	10796.6	10871.8	10899.1
30°	9867.3	9901.5	9870.7	9857.0	9805.8	9758.0	9833.1	9922.0	9980.0	10051.8	10082.5
32.5°	9146.4	9136.1	9108.8	9078.0	9026.8	8989.2	9020.0	9122.5	9166.9	9242.0	9252.3
35°	8374.2	8367.4	8350.3	8288.8	8271.7	8227.3	8254.6	8343.5	8377.6	8422.0	8456.2
37.5°	7619.1	7595.2	7588.4	7564.5	7533.7	7523.5	7523.5	7571.3	7605.5	7649.9	7684.1
40°	6870.9	6877.7	6857.2	6836.7	6826.5	6812.8	6816.2	6843.6	6870.9	6891.4	6911.9
42.5°	6194.4	6156.8	6143.1	6122.6	6132.9	6150.0	6112.4	6153.4	6187.6	6187.6	6232.0
45°	5418.8	5435.9	5442.7	5476.9	5476.9	5459.8	5446.1	5466.6	5500.8	5497.4	5541.8
47.5°	4742.3	4721.8	4738.9	4790.1	4834.6	4841.4	4800.4	4810.6	4820.9	4803.8	4844.8
50°	4000.9	4007.7	4004.3	4082.9	4171.7	4141.0	4110.2	4120.5	4117.1	4117.1	4123.9
52.5°	3194.6	3211.7	3191.2	3303.9	3399.6	3375.7	3355.2	3355.2	3372.2	3368.8	3365.4
55°	2460.0	2453.2	2408.7	2463.4	2548.8	2552.2	2521.5	2535.2	2552.2	2569.3	2565.9
57.5°	1831.3	1810.8	1749.3	1752.7	1848.4	1872.3	1845.0	1841.6	1862.1	1868.9	1906.5
60°	1233.4	1230.0	1175.3	1171.9	1209.5	1274.4	1243.7	1243.7	1250.5	1260.7	1271.0
62.5°	843.9	850.7	830.2	826.8	833.7	888.3	884.9	881.5	878.1	891.7	888.3
65°	662.8	666.2	659.4	659.4	662.8	686.7	710.7	714.1	717.5	720.9	717.5
67.5°	533.0	536.4	529.6	536.4	536.4	539.8	574.0	587.7	591.1	591.1	587.7
70°	410.0	423.7	430.5	430.5	430.5	430.5	454.4	471.5	468.1	447.6	427.1
72.5°	205.0	249.4	345.1	348.5	345.1	341.7	355.3	372.4	369.0	259.7	194.7
75°	136.7	146.9	269.9	283.6	280.2	266.5	280.2	300.7	293.8	167.4	160.6
77.5°	78.6	85.4	181.1	208.4	225.5	194.7	222.1	242.6	232.3	136.7	133.2
80°	61.5	58.1	129.8	160.6	153.7	123.0	181.1	194.7	177.7	102.5	92.2
82.5°	37.6	37.6	85.4	123.0	112.7	71.7	126.4	150.3	133.2	75.2	68.3
85°	20.5	23.9	41.0	61.5	64.9	47.8	68.3	82.0	82.0	47.8	47.8
87.5°	10.2	10.2	13.7	13.7	17.1	20.5	20.5	23.9	17.1	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)