

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: P524138

Luminaire Tested: **IFLD-L-SA8D-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524138
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-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

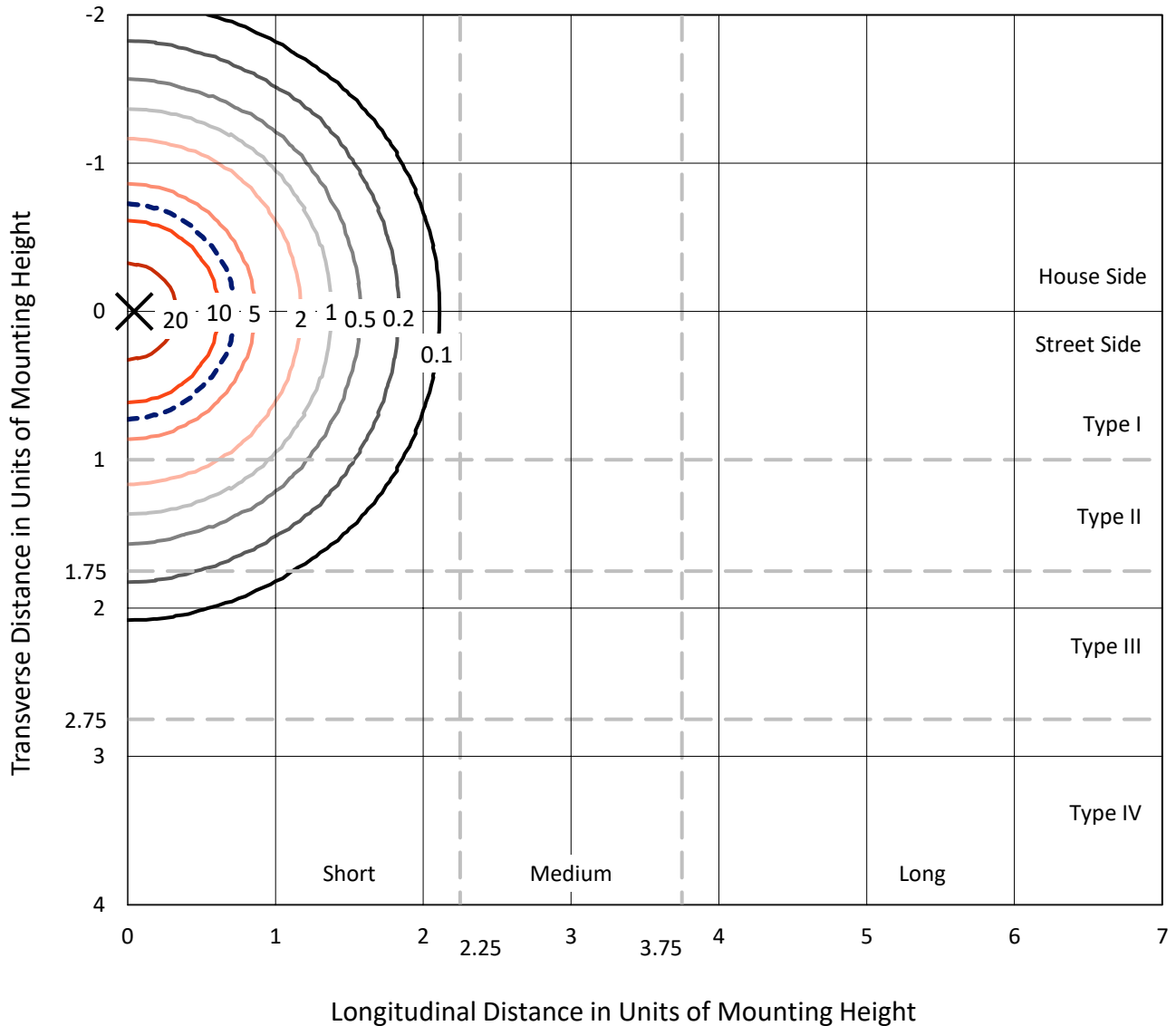
Lumens per Lamp: N/A
Luminaire Lumens: 36415.1 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

REPORT NUMBER: P524138
 CATALOG NUMBER: IFLD-L-SA8D-930-U-66

Iso-Footcandle Lines of Horizontal Illumination

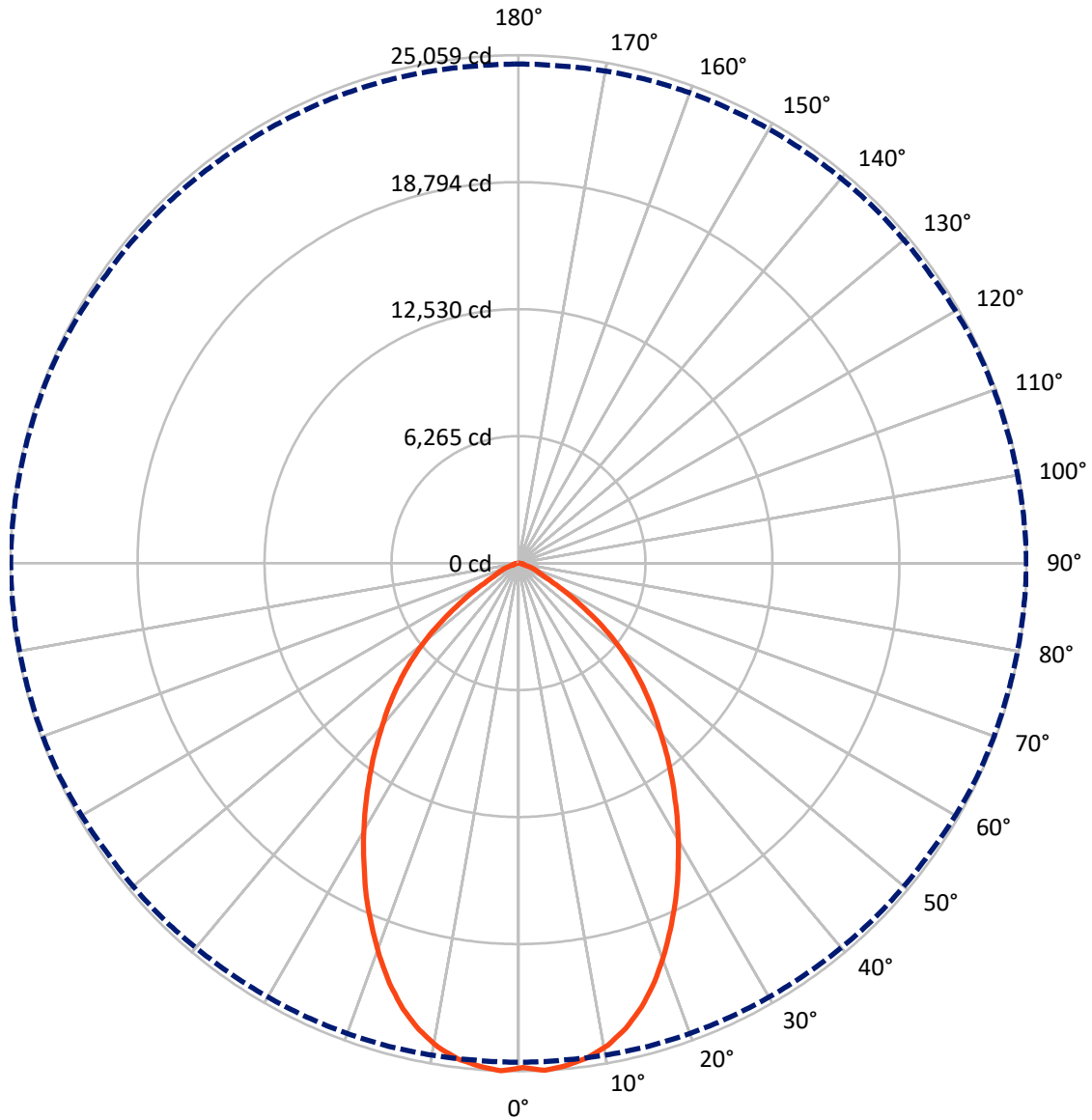
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 27.7 fc
 Type V - Short - N/A

REPORT NUMBER: P524138
CATALOG NUMBER: IFLD-L-SA8D-930-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524138

CATALOG NUMBER: IFLD-L-SA8D-930-U-66

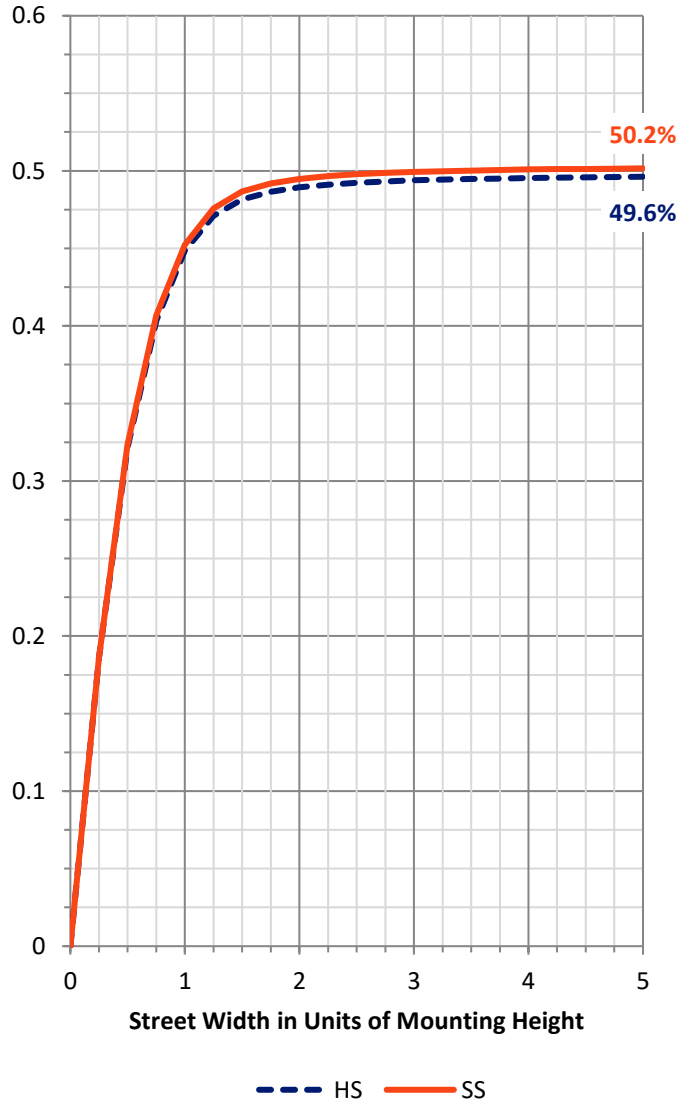
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18207.6	0.0	18207.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18207.6	0.0	18207.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	36415.1	0.0	36415.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2336.7	6.4
10°-20°	6278.6	17.2
20°-30°	8123.3	22.3
30°-40°	8011.5	22.0
40°-50°	6481.7	17.8
50°-60°	3529.1	9.7
60°-70°	1118.2	3.1
70°-80°	432.6	1.2
80°-90°	103.4	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°	36415.1	100.0
0°-180°	36415.1	100.0

Coefficient of Utilization



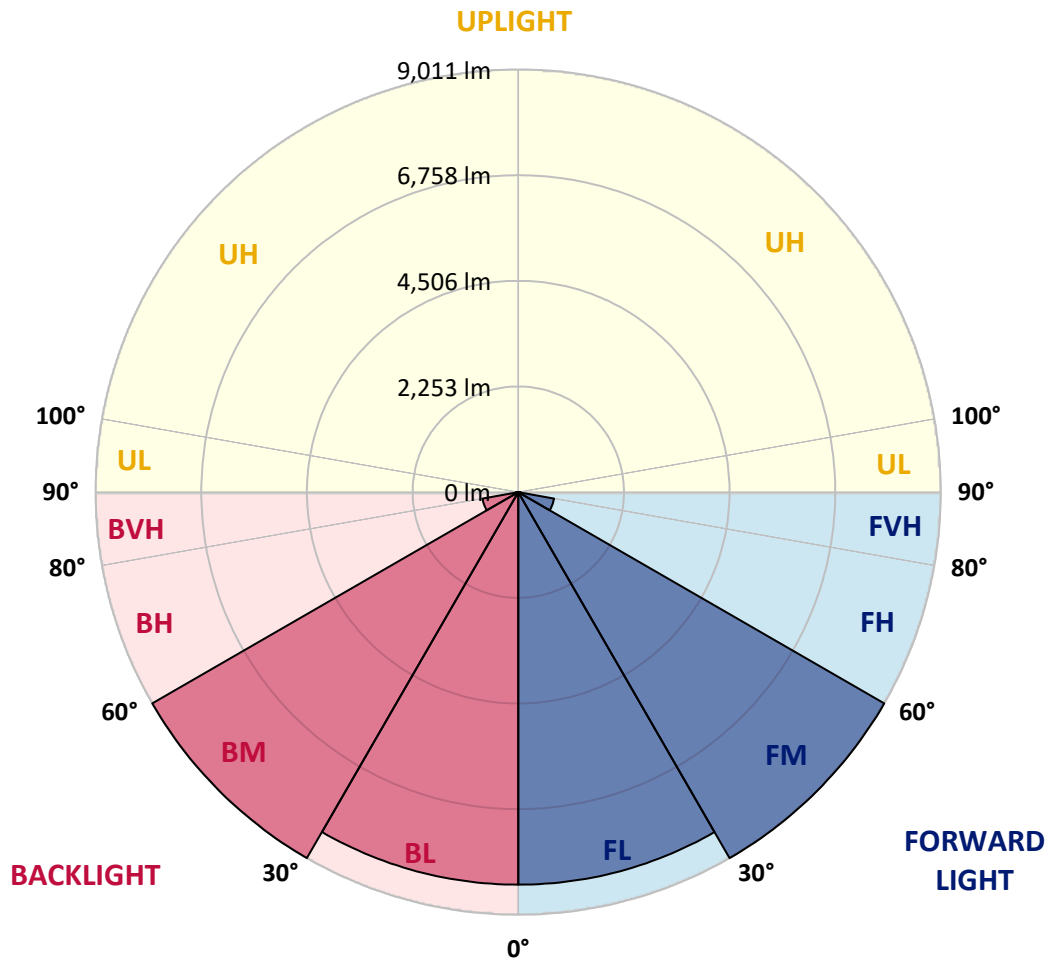
REPORT NUMBER: P524138
 CATALOG NUMBER: IFLD-L-SA8D-930-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8369.3	23.0			
FM (30°-60°)	9011.1	24.7			
FH (60°-80°)	775.4	2.1			G1/1800
FVH (80°-90°)	51.7	0.1			G1/100
BL (0°-30°)	8369.3	23.0	B5		
BM (30°-60°)	9011.1	24.7	B5		
BH (60°-80°)	775.4	2.1	B2/1000		G1/1800
BVH (80°-90°)	51.7	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: P524138
 CATALOG NUMBER: IFLD-L-SA8D-930-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	24890.7	24890.7	24890.7	24890.7	24890.7	24890.7	24890.7	24890.7	24890.7	24890.7	24890.7
2.5°	24622.4	24617.1	24680.3	24706.6	24738.1	24801.3	24822.3	24959.1	24974.9	25027.5	25059.1
5°	24580.3	24559.2	24622.4	24632.9	24669.7	24680.3	24711.8	24806.5	24796.0	24874.9	24890.7
7.5°	24354.1	24327.8	24380.4	24390.9	24443.5	24427.7	24480.3	24548.7	24548.7	24606.6	24632.9
10°	23849.0	23843.7	23896.3	23901.6	23975.3	23959.5	24043.7	24059.4	24101.5	24143.6	24191.0
12.5°	23243.9	23175.6	23243.9	23217.6	23317.6	23259.7	23375.5	23412.3	23433.4	23507.0	23543.8
15°	22465.3	22381.1	22428.5	22402.2	22465.3	22391.6	22512.6	22586.3	22612.6	22686.3	22723.1
17.5°	21423.6	21355.2	21365.7	21328.9	21371.0	21313.1	21428.8	21544.6	21581.4	21660.3	21712.9
20°	20113.5	20113.5	20118.8	20087.2	20124.1	20066.2	20139.8	20318.7	20355.6	20460.8	20550.2
22.5°	18835.1	18835.1	18850.9	18808.8	18819.3	18793.0	18871.9	19045.5	19103.4	19213.9	19324.4
25°	17609.2	17588.2	17598.7	17561.9	17519.8	17530.3	17625.0	17735.5	17861.7	18003.8	18088.0
27.5°	16441.2	16467.5	16404.4	16378.1	16346.5	16288.7	16399.1	16535.9	16625.4	16741.1	16783.2
30°	15194.3	15246.9	15199.6	15178.5	15099.6	15026.0	15141.7	15278.5	15367.9	15478.4	15525.8
32.5°	14084.2	14068.4	14026.3	13979.0	13900.1	13842.2	13889.5	14047.4	14115.8	14231.5	14247.3
35°	12895.2	12884.7	12858.4	12763.7	12737.3	12669.0	12711.0	12847.8	12900.4	12968.8	13021.5
37.5°	11732.5	11695.6	11685.1	11648.3	11600.9	11585.1	11585.1	11658.8	11711.4	11779.8	11832.4
40°	10580.3	10590.8	10559.2	10527.6	10511.9	10490.8	10496.1	10538.2	10580.3	10611.8	10643.4
42.5°	9538.5	9480.7	9459.6	9428.1	9443.8	9470.1	9412.3	9475.4	9528.0	9528.0	9596.4
45°	8344.3	8370.6	8381.1	8433.7	8433.7	8407.4	8386.3	8417.9	8470.5	8465.3	8533.7
47.5°	7302.5	7271.0	7297.3	7376.2	7444.6	7455.1	7392.0	7407.8	7423.5	7397.2	7460.4
50°	6160.9	6171.4	6166.1	6287.1	6423.9	6376.6	6329.2	6345.0	6339.7	6339.7	6350.3
52.5°	4919.2	4945.5	4914.0	5087.6	5234.9	5198.1	5166.5	5166.5	5192.8	5187.5	5182.3
55°	3788.1	3777.5	3709.1	3793.3	3924.8	3930.1	3882.8	3903.8	3930.1	3956.4	3951.2
57.5°	2820.0	2788.4	2693.7	2699.0	2846.3	2883.1	2841.0	2835.8	2867.3	2877.9	2935.7
60°	1899.3	1894.0	1809.9	1804.6	1862.5	1962.4	1915.1	1915.1	1925.6	1941.4	1957.2
62.5°	1299.5	1310.0	1278.5	1273.2	1283.7	1367.9	1362.6	1357.4	1352.1	1373.2	1367.9
65°	1020.7	1025.9	1015.4	1015.4	1020.7	1057.5	1094.3	1099.6	1104.9	1110.1	1104.9
67.5°	820.7	826.0	815.5	826.0	826.0	831.3	883.9	904.9	910.2	910.2	904.9
70°	631.3	652.4	662.9	662.9	662.9	662.9	699.7	726.0	720.8	689.2	657.6
72.5°	315.7	384.1	531.4	536.6	531.4	526.1	547.2	573.5	568.2	399.9	299.9
75°	210.4	226.2	415.6	436.7	431.4	410.4	431.4	463.0	452.5	257.8	247.3
77.5°	121.0	131.5	278.8	320.9	347.2	299.9	342.0	373.5	357.8	210.4	205.2
80°	94.7	89.4	199.9	247.3	236.8	189.4	278.8	299.9	273.6	157.8	142.1
82.5°	57.9	57.9	131.5	189.4	173.6	110.5	194.7	231.5	205.2	115.7	105.2
85°	31.6	36.8	63.1	94.7	100.0	73.7	105.2	126.3	126.3	73.7	73.7
87.5°	15.8	15.8	21.0	21.0	26.3	31.6	31.6	36.8	26.3	21.0	21.0
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)