

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: P524134

Luminaire Tested: **IFLD-L-SA7E-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524134
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-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

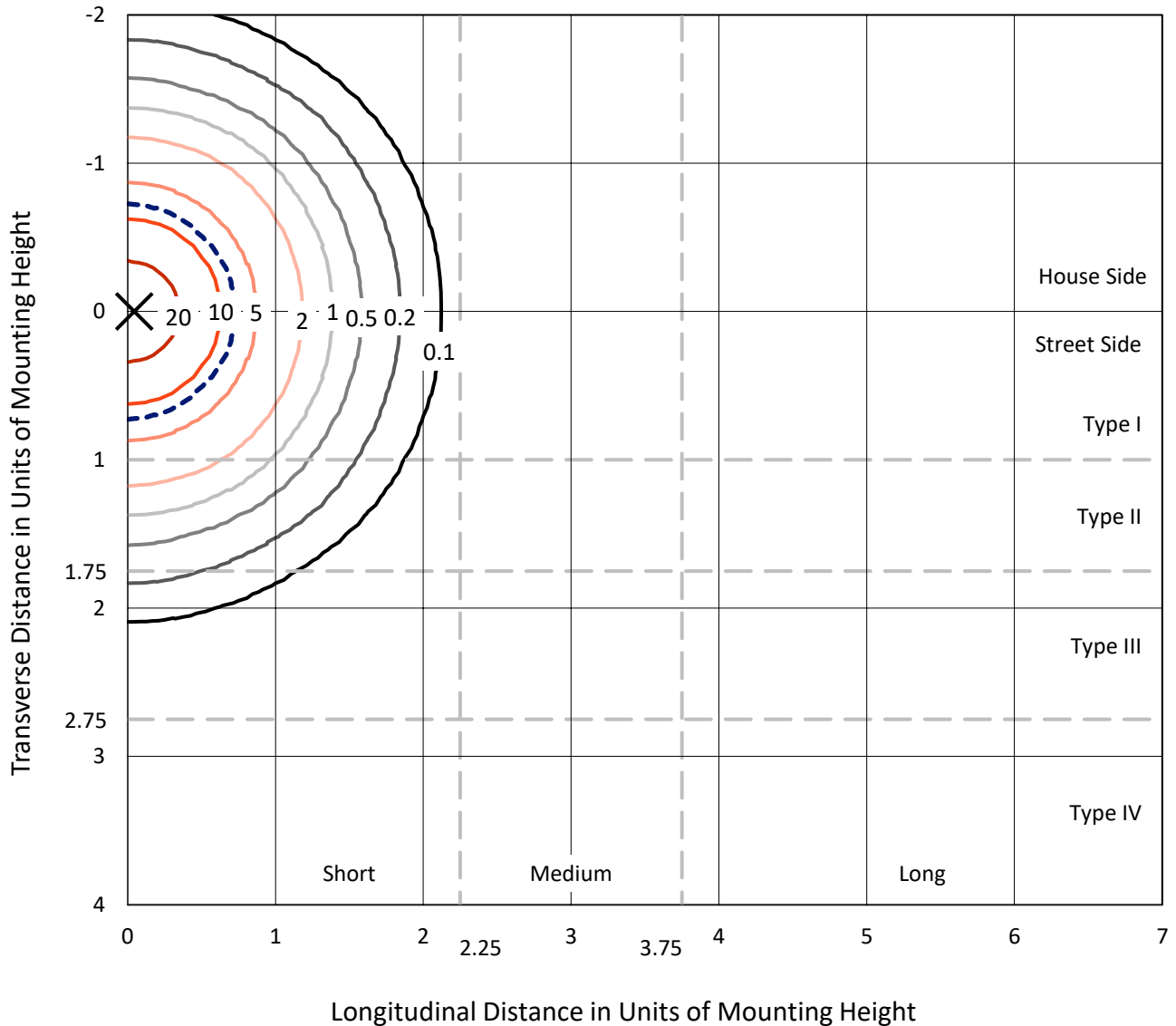
Lumens per Lamp: N/A
Luminaire Lumens: 37486.6 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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: P524134
 CATALOG NUMBER: IFLD-L-SA7E-930-U-66

Iso-Footcandle Lines of Horizontal Illumination

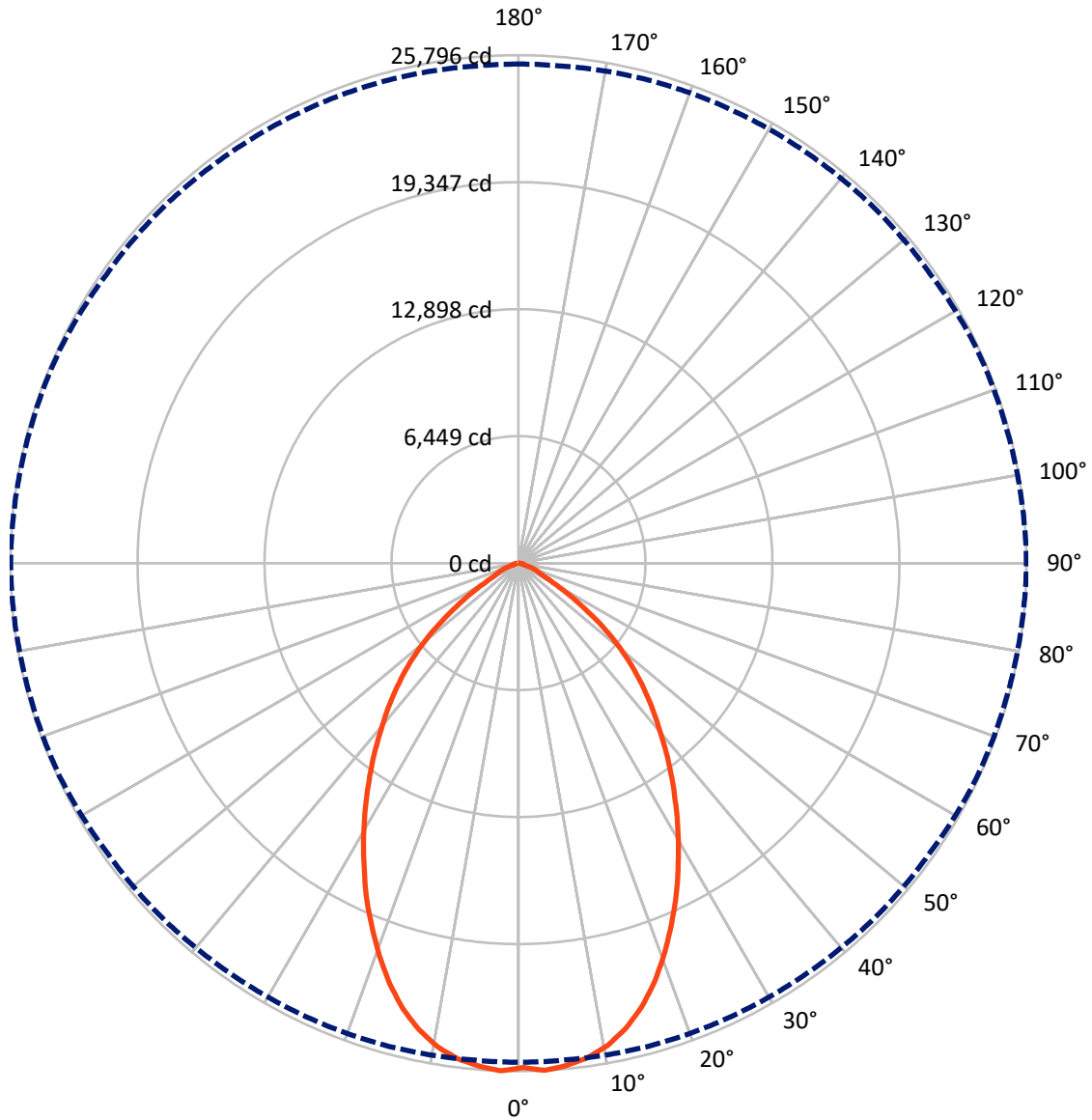
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 28.5 fc
 Type V - Short - N/A

REPORT NUMBER: P524134
CATALOG NUMBER: IFLD-L-SA7E-930-U-66

Luminous Intensity Polar Plot



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

REPORT NUMBER: P524134

CATALOG NUMBER: IFLD-L-SA7E-930-U-66

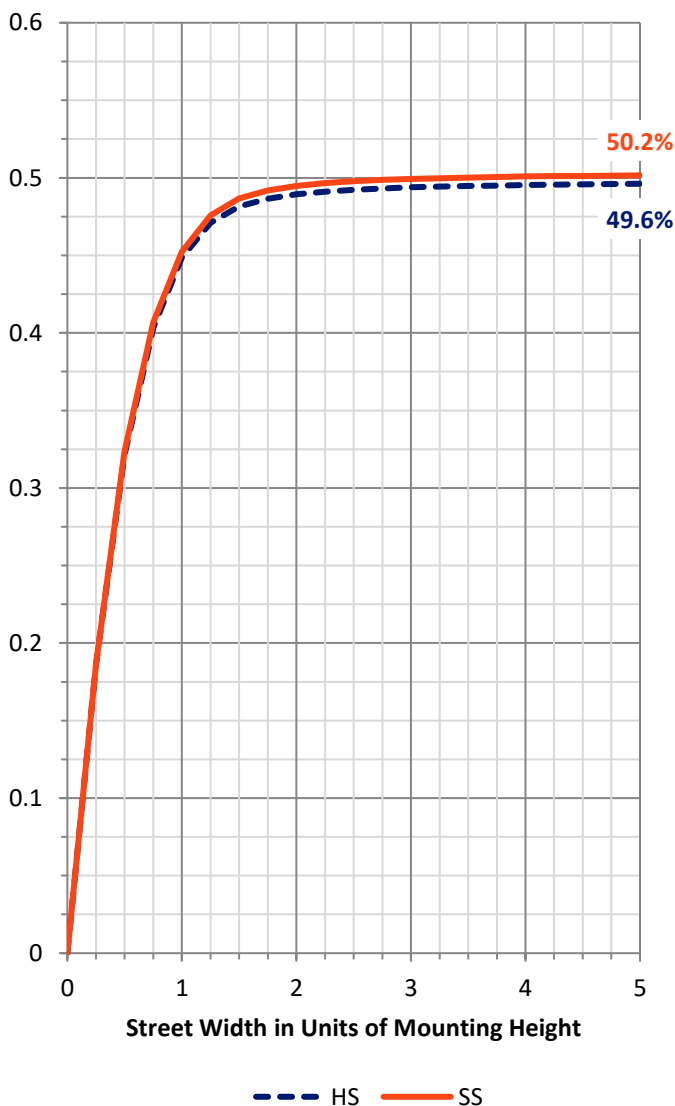
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18743.3	0.0	18743.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18743.3	0.0	18743.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	37486.6	0.0	37486.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2405.4	6.4
10°-20°	6463.4	17.2
20°-30°	8362.3	22.3
30°-40°	8247.3	22.0
40°-50°	6672.4	17.8
50°-60°	3632.9	9.7
60°-70°	1151.1	3.1
70°-80°	445.4	1.2
80°-90°	106.5	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°	37486.6	100.0
0°-180°	37486.6	100.0

Coefficient of Utilization



REPORT NUMBER: P524134

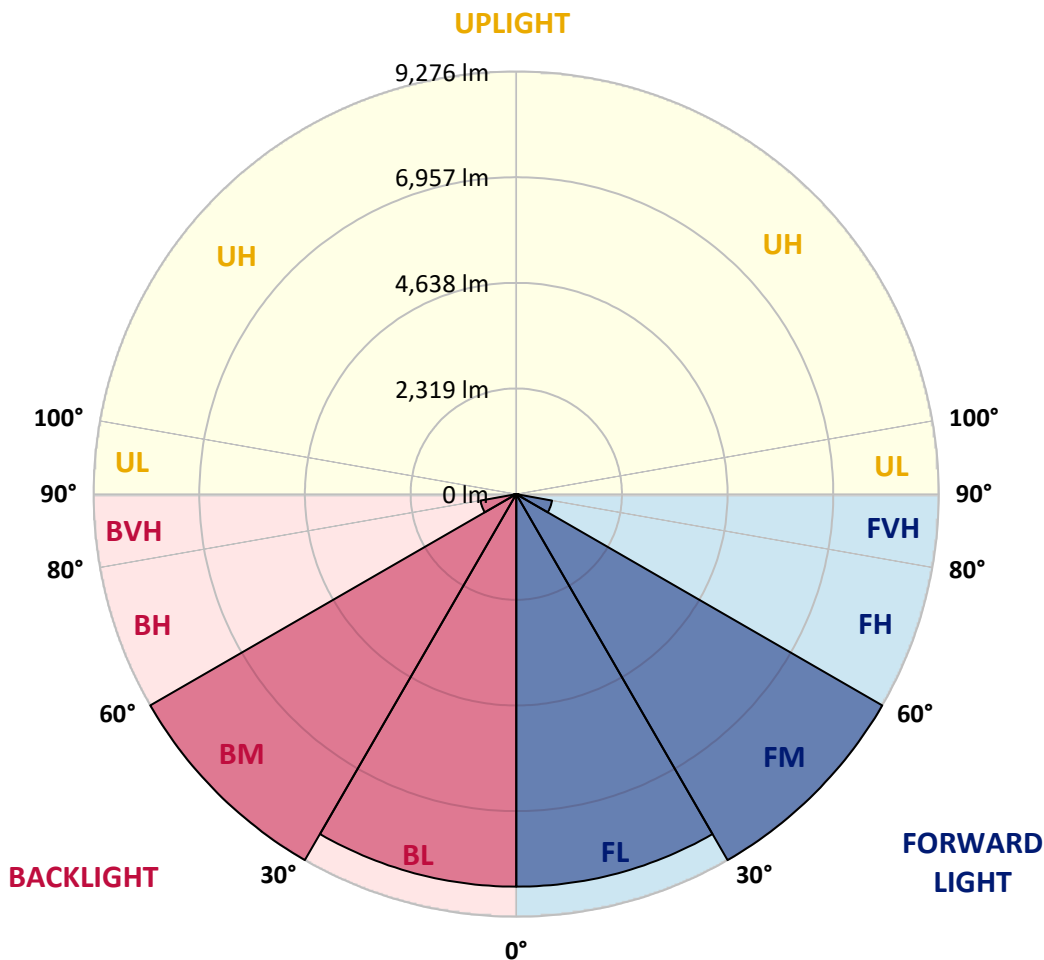
CATALOG NUMBER: IFLD-L-SA7E-930-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8615.6	23.0			
FM (30°-60°)	9276.3	24.7			
FH (60°-80°)	798.2	2.1			G1/1800
FVH (80°-90°)	53.2	0.1			G1/100
BL (0°-30°)	8615.6	23.0	B5		
BM (30°-60°)	9276.3	24.7	B5		
BH (60°-80°)	798.2	2.1	B2/1000		G1/1800
BVH (80°-90°)	53.2	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: P524134
 CATALOG NUMBER: IFLD-L-SA7E-930-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	25623.1	25623.1	25623.1	25623.1	25623.1	25623.1	25623.1	25623.1	25623.1	25623.1	25623.1
2.5°	25346.9	25341.4	25406.4	25433.5	25466.0	25531.0	25552.7	25693.5	25709.7	25763.9	25796.4
5°	25303.5	25281.9	25346.9	25357.7	25395.6	25406.4	25438.9	25536.4	25525.6	25606.8	25623.1
7.5°	25070.6	25043.6	25097.7	25108.6	25162.7	25146.5	25200.6	25271.0	25271.0	25330.6	25357.7
10°	24550.7	24545.3	24599.5	24604.9	24680.7	24664.5	24751.1	24767.4	24810.7	24854.0	24902.8
12.5°	23927.9	23857.5	23927.9	23900.8	24003.7	23944.1	24063.3	24101.2	24122.9	24198.7	24236.6
15°	23126.3	23039.7	23088.4	23061.3	23126.3	23050.5	23175.1	23250.9	23278.0	23353.8	23391.7
17.5°	22053.9	21983.5	21994.4	21956.5	21999.8	21940.2	22059.4	22178.5	22216.4	22297.7	22351.8
20°	20705.4	20705.4	20710.8	20678.3	20716.2	20656.6	20732.4	20916.6	20954.5	21062.8	21154.9
22.5°	19389.3	19389.3	19405.5	19362.2	19373.0	19345.9	19427.2	19605.9	19665.5	19779.2	19893.0
25°	18127.3	18105.7	18116.5	18078.6	18035.3	18046.1	18143.6	18257.3	18387.3	18533.5	18620.2
27.5°	16925.0	16952.1	16887.1	16860.0	16827.5	16767.9	16881.7	17022.5	17114.6	17233.7	17277.0
30°	15641.4	15695.6	15646.8	15625.2	15543.9	15468.1	15587.2	15728.1	15820.1	15933.9	15982.6
32.5°	14498.6	14482.4	14439.0	14390.3	14309.1	14249.5	14298.2	14460.7	14531.1	14650.3	14666.5
35°	13274.6	13263.8	13236.7	13139.2	13112.1	13041.7	13085.0	13225.9	13280.0	13350.4	13404.6
37.5°	12077.7	12039.8	12028.9	11991.0	11942.3	11926.0	11926.0	12001.8	12056.0	12126.4	12180.6
40°	10891.6	10902.4	10869.9	10837.4	10821.2	10799.5	10804.9	10848.2	10891.6	10924.1	10956.6
42.5°	9819.2	9759.6	9738.0	9705.5	9721.7	9748.8	9689.2	9754.2	9808.4	9808.4	9878.8
45°	8589.8	8616.9	8627.7	8681.8	8681.8	8654.8	8633.1	8665.6	8719.8	8714.3	8784.7
47.5°	7517.4	7484.9	7512.0	7593.2	7663.6	7674.5	7609.5	7625.7	7642.0	7614.9	7679.9
50°	6342.1	6353.0	6347.5	6472.1	6612.9	6564.2	6515.4	6531.7	6526.3	6526.3	6537.1
52.5°	5064.0	5091.0	5058.5	5237.3	5388.9	5351.0	5318.5	5318.5	5345.6	5340.2	5334.8
55°	3899.5	3888.7	3818.3	3904.9	4040.3	4045.7	3997.0	4018.7	4045.7	4072.8	4067.4
57.5°	2903.0	2870.5	2773.0	2778.4	2930.1	2968.0	2924.6	2919.2	2951.7	2962.6	3022.1
60°	1955.2	1949.8	1863.1	1857.7	1917.3	2020.2	1971.4	1971.4	1982.3	1998.5	2014.8
62.5°	1337.8	1348.6	1316.1	1310.7	1321.5	1408.2	1402.7	1397.3	1391.9	1413.6	1408.2
65°	1050.7	1056.1	1045.3	1045.3	1050.7	1088.6	1126.5	1131.9	1137.4	1142.8	1137.4
67.5°	844.9	850.3	839.5	850.3	850.3	855.7	909.9	931.6	937.0	937.0	931.6
70°	649.9	671.6	682.4	682.4	682.4	682.4	720.3	747.4	742.0	709.5	677.0
72.5°	325.0	395.4	547.0	552.4	547.0	541.6	563.3	590.3	584.9	411.6	308.7
75°	216.6	232.9	427.9	449.5	444.1	422.4	444.1	476.6	465.8	265.4	254.6
77.5°	124.6	135.4	287.0	330.4	357.5	308.7	352.0	384.5	368.3	216.6	211.2
80°	97.5	92.1	205.8	254.6	243.7	195.0	287.0	308.7	281.6	162.5	146.2
82.5°	59.6	59.6	135.4	195.0	178.7	113.7	200.4	238.3	211.2	119.2	108.3
85°	32.5	37.9	65.0	97.5	102.9	75.8	108.3	130.0	130.0	75.8	75.8
87.5°	16.2	16.2	21.7	21.7	27.1	32.5	32.5	37.9	27.1	21.7	21.7
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)