

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: P525345

Luminaire Tested: **IFLD-L-SA8B-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525345
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

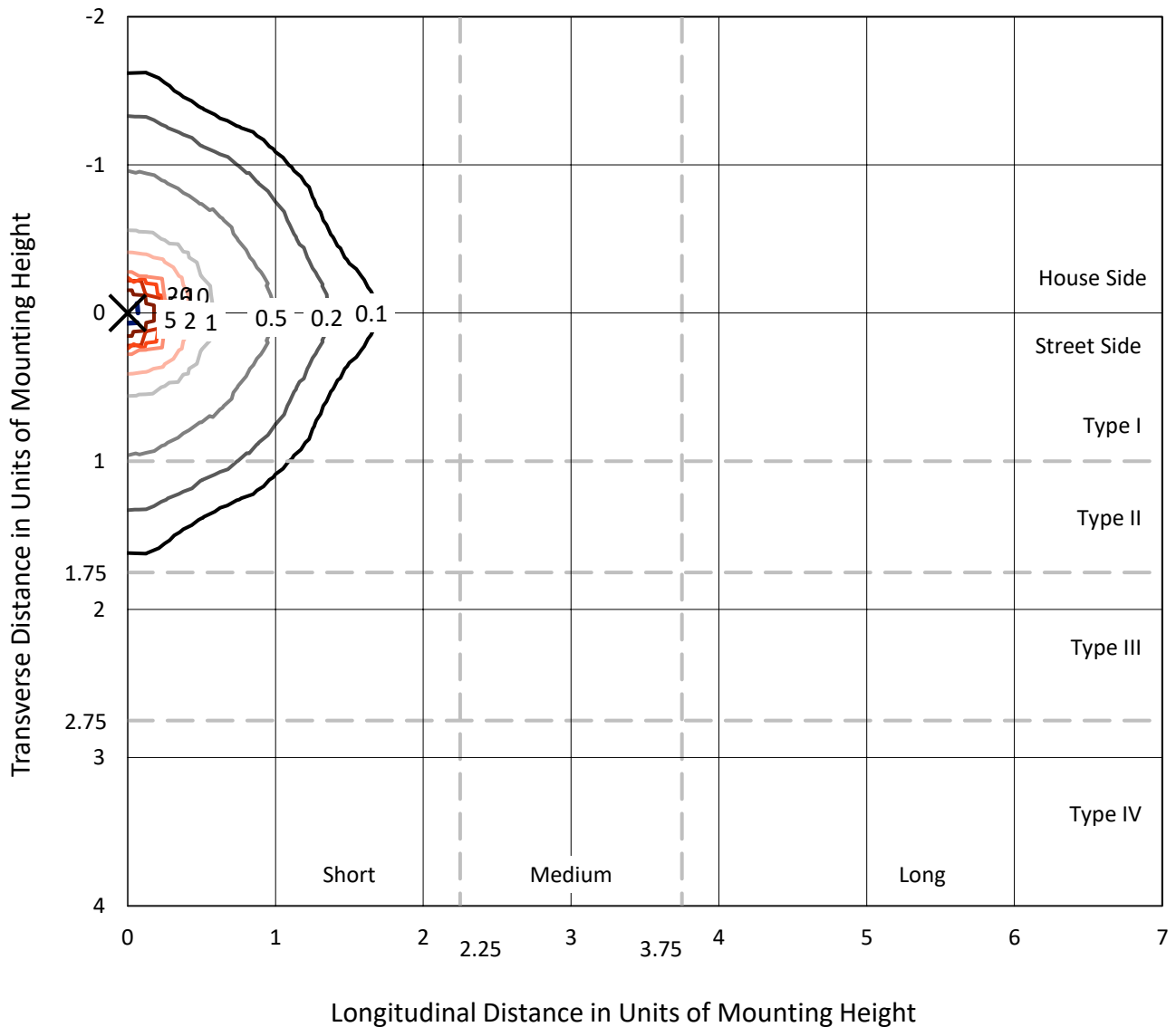
Lumens per Lamp: N/A
Luminaire Lumens: 15340.2 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 320
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: P525345
 CATALOG NUMBER: IFLD-L-SA8B-935-U-11

Iso-Footcandle Lines of Horizontal Illumination

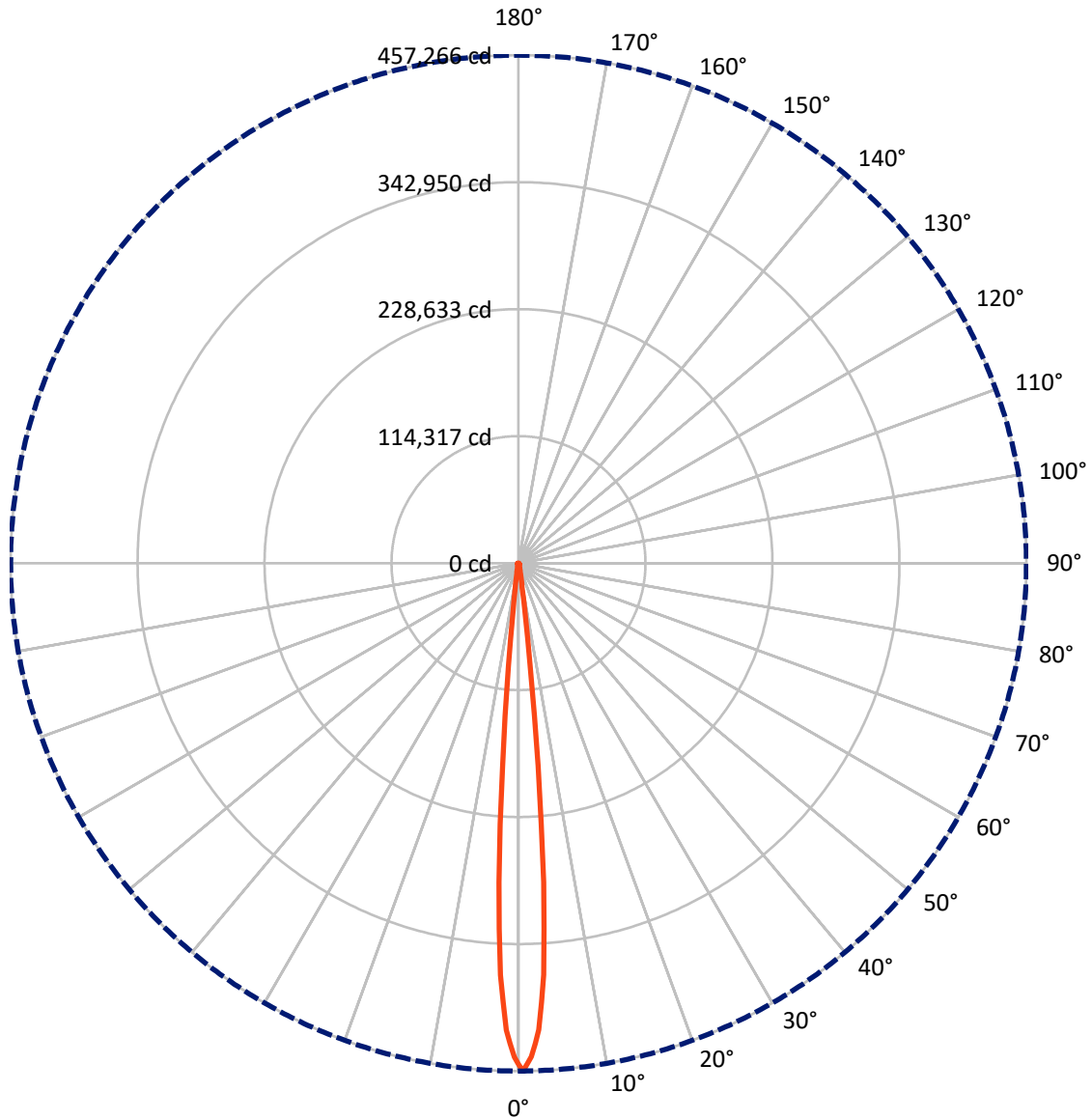
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 731.6 fc
 Type V - Short - N/A

REPORT NUMBER: P525345
CATALOG NUMBER: IFLD-L-SA8B-935-U-11

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525345
 CATALOG NUMBER: IFLD-L-SA8B-935-U-11

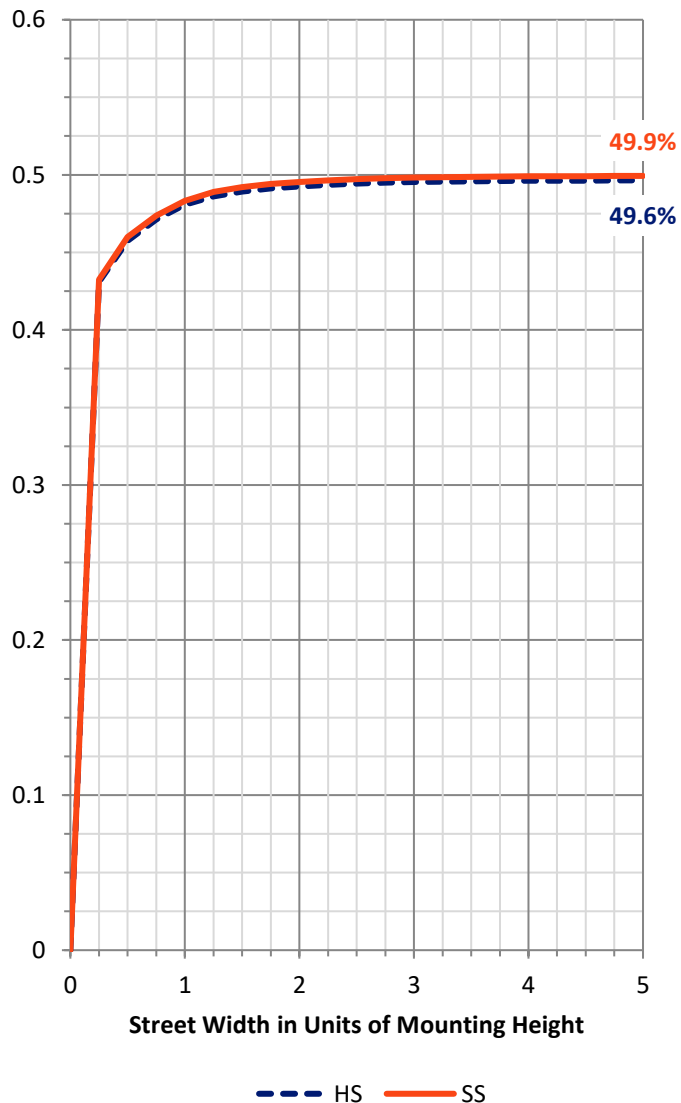
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7670.1	0.0	7670.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7670.1	0.0	7670.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15340.2	0.0	15340.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11781.2	76.8
10°-20°	1149.1	7.5
20°-30°	613.9	4.0
30°-40°	506.3	3.3
40°-50°	563.8	3.7
50°-60°	379.1	2.5
60°-70°	241.9	1.6
70°-80°	95.5	0.6
80°-90°	9.4	0.1
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°	15340.2	100.0
0°-180°	15340.2	100.0

Coefficient of Utilization

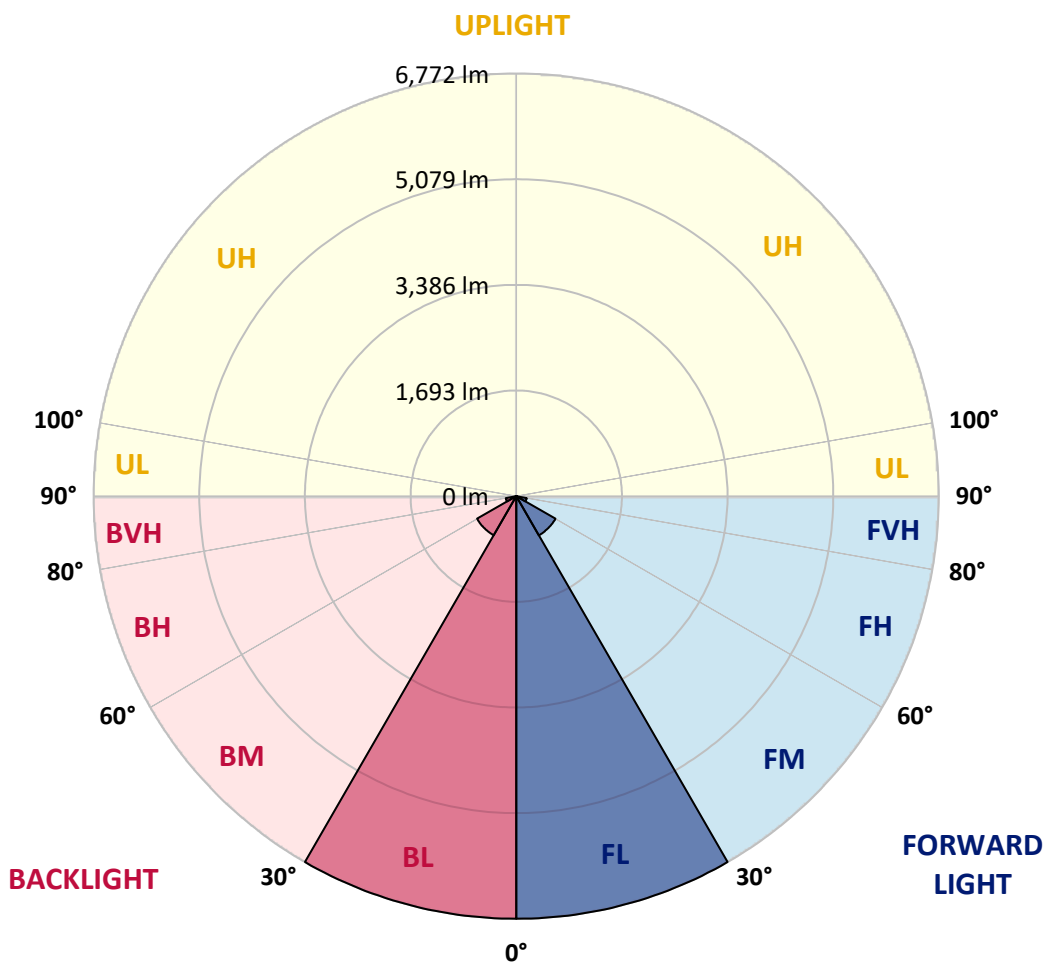


REPORT NUMBER: P525345
 CATALOG NUMBER: IFLD-L-SA8B-935-U-11

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6772.1	44.1			
FM (30°-60°)	724.6	4.7			
FH (60°-80°)	168.7	1.1			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	6772.1	44.1	B5		
BM (30°-60°)	724.6	4.7	B1/1000		
BH (60°-80°)	168.7	1.1	B1/500		G0/660
BVH (80°-90°)	4.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	457266.4	457266.4	457266.4	457266.4	457266.4	457266.4	457266.4	457266.4	457266.4	457266.4
1°	444557.7	445330.8	445470.3	444549.7	442202.5	442756.4	442684.7	442808.2	442577.1	441110.5
2°	420487.3	421631.0	420427.5	417845.1	412497.0	411221.7	406961.6	402207.3	397146.1	392073.0
3°	371354.1	373761.1	372043.5	374801.3	363953.6	362857.7	353899.1	342087.0	330115.6	320415.7
4°	287924.6	292372.0	292961.8	302063.9	293153.1	295938.7	285704.8	269293.9	251384.5	237683.5
5°	183529.0	189730.0	193228.9	201765.2	205869.9	216558.1	211572.7	195102.0	174407.0	158645.6
6°	92730.9	96106.4	105507.4	114892.5	125373.5	139556.7	141477.5	127019.3	110548.6	95420.9
7°	43227.1	44622.0	51253.3	53253.8	65237.2	80624.0	82776.0	74849.5	66161.8	54437.4
8°	22336.9	22878.9	25301.8	26788.3	33778.3	42629.4	44139.7	39150.3	35595.5	29697.5
9°	13756.8	13995.9	14904.5	15239.3	17853.6	21790.9	22324.9	20236.7	19272.3	17235.9
10°	9540.5	9668.0	10094.4	10182.1	11054.9	12350.0	12397.9	11712.4	11728.4	11218.3
12.5°	5085.1	5124.9	5244.5	5256.4	5423.8	5559.3	5527.4	5531.4	5599.2	5531.4
15°	3251.9	3271.8	3343.6	3359.5	3447.2	3495.0	3471.1	3467.1	3491.0	3447.2
17.5°	2319.4	2331.3	2383.1	2427.0	2482.8	2498.7	2490.7	2482.8	2482.8	2442.9
20°	1809.3	1825.2	1861.1	1904.9	1932.8	1960.7	1964.7	1960.7	1948.7	1928.8
22.5°	1538.3	1546.2	1558.2	1578.1	1598.1	1610.0	1618.0	1622.0	1618.0	1610.0
25°	1339.0	1347.0	1370.9	1382.9	1382.9	1386.8	1402.8	1410.8	1414.7	1398.8
27.5°	988.3	1008.2	1044.1	1064.0	1064.0	1072.0	1084.0	1099.9	1115.8	1088.0
30°	765.2	781.1	820.9	820.9	817.0	824.9	836.9	860.8	884.7	852.8
32.5°	689.4	689.4	697.4	701.4	701.4	713.3	721.3	741.2	761.2	753.2
35°	721.3	701.4	677.5	677.5	685.4	709.4	713.3	733.3	753.2	781.1
37.5°	1048.1	988.3	900.6	884.7	884.7	912.6	900.6	912.6	948.5	1052.1
40°	952.5	904.6	852.8	781.1	781.1	820.9	793.0	809.0	892.7	956.4
42.5°	848.8	848.8	793.0	725.3	725.3	745.2	737.3	745.2	840.9	892.7
45°	785.1	785.1	769.1	661.5	677.5	689.4	689.4	689.4	817.0	832.9
47.5°	749.2	749.2	709.4	609.7	629.7	633.6	641.6	633.6	733.3	789.1
50°	669.5	677.5	609.7	538.0	561.9	561.9	573.9	557.9	633.6	725.3
52.5°	577.8	585.8	482.2	426.4	454.3	450.3	466.3	442.4	502.1	629.7
55°	514.1	510.1	398.5	346.7	378.6	374.6	382.6	354.7	406.5	542.0
57.5°	446.3	454.3	326.8	282.9	318.8	310.8	322.8	290.9	334.8	482.2
60°	394.5	406.5	279.0	239.1	275.0	267.0	279.0	243.1	286.9	434.4
62.5°	378.6	378.6	247.1	203.2	239.1	231.1	239.1	203.2	255.1	398.5
65°	450.3	426.4	223.2	167.4	203.2	195.3	203.2	167.4	223.2	382.6
67.5°	597.8	569.9	211.2	131.5	163.4	151.4	163.4	135.5	195.3	358.7
70°	310.8	330.8	211.2	103.6	123.5	123.5	119.6	103.6	163.4	263.0
72.5°	179.3	183.3	163.4	79.7	95.6	103.6	91.7	79.7	119.6	195.3
75°	99.6	111.6	103.6	59.8	71.7	79.7	67.7	59.8	83.7	139.5
77.5°	59.8	67.7	59.8	39.9	47.8	43.8	47.8	39.9	55.8	91.7
80°	31.9	31.9	31.9	23.9	23.9	27.9	27.9	23.9	31.9	47.8
82.5°	12.0	12.0	12.0	8.0	12.0	12.0	12.0	15.9	15.9	19.9
85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 457266.4
- 442557.1
- 394994.1
- 324094.0
- 240859.7
- 160666.1
- 96552.7
- 55856.1
- 30498.5
- 17678.2
- 11453.4
- 5607.1
- 3479.1
- 2454.9
- 1932.8
- 1614.0
- 1398.8
- 1084.0
- 844.9
- 753.2
- 797.0
- 1103.9
- 1016.2
- 896.7
- 828.9
- 777.1
- 717.3
- 613.7
- 534.0
- 470.3
- 422.4
- 394.5
- 382.6
- 354.7
- 259.0
- 191.3
- 123.5
- 67.7
- 39.9
- 19.9
- 4.0
- 4.0
- 0.0

OF REPORT)