

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: P524175

Luminaire Tested: **IFLD-L-SA8B-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524175
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-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

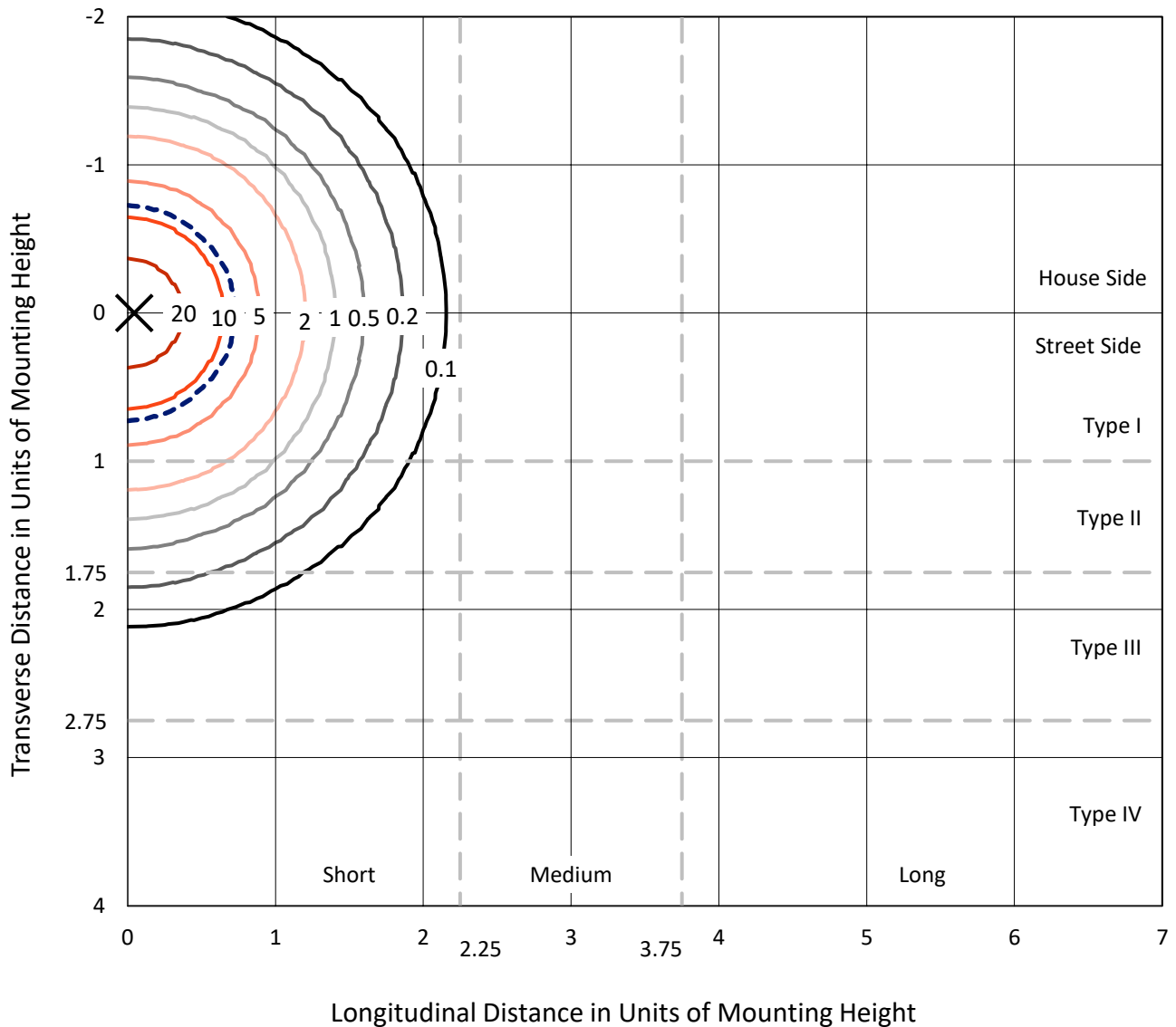
Lumens per Lamp: N/A
Luminaire Lumens: 27581.7 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

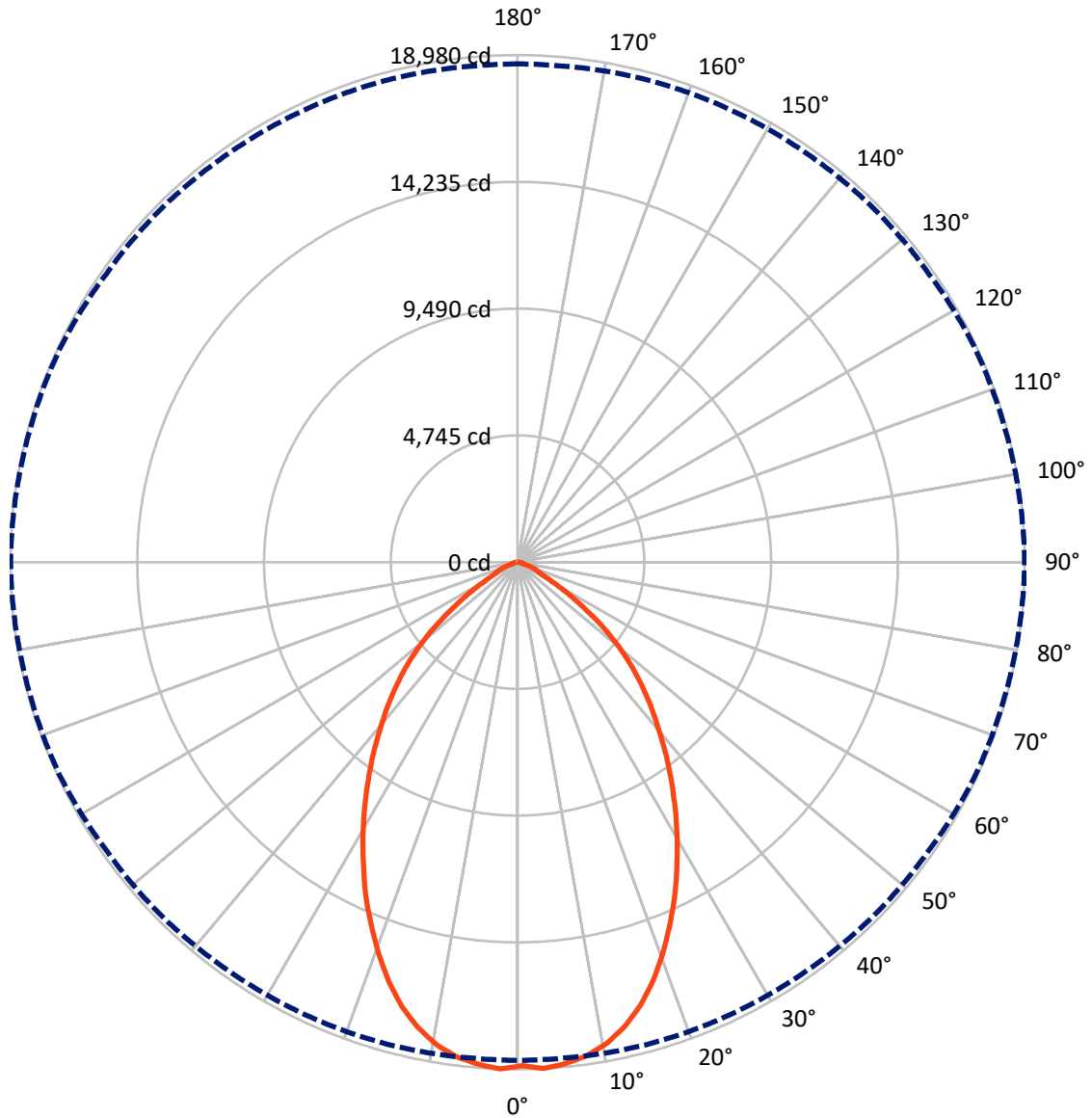
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 30.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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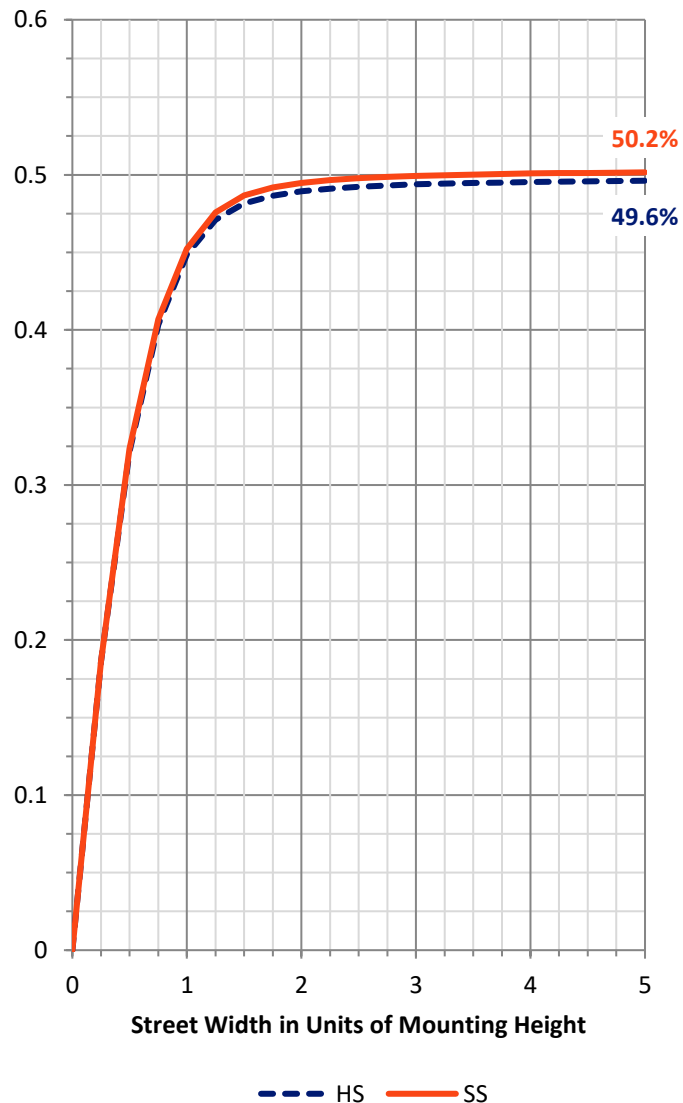
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13790.9	0.0	13790.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13790.9	0.0	13790.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	27581.7	0.0	27581.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1769.8	6.4
10°-20°	4755.6	17.2
20°-30°	6152.8	22.3
30°-40°	6068.1	22.0
40°-50°	4909.4	17.8
50°-60°	2673.0	9.7
60°-70°	846.9	3.1
70°-80°	327.7	1.2
80°-90°	78.3	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°	27581.7	100.0
0°-180°	27581.7	100.0

Coefficient of Utilization



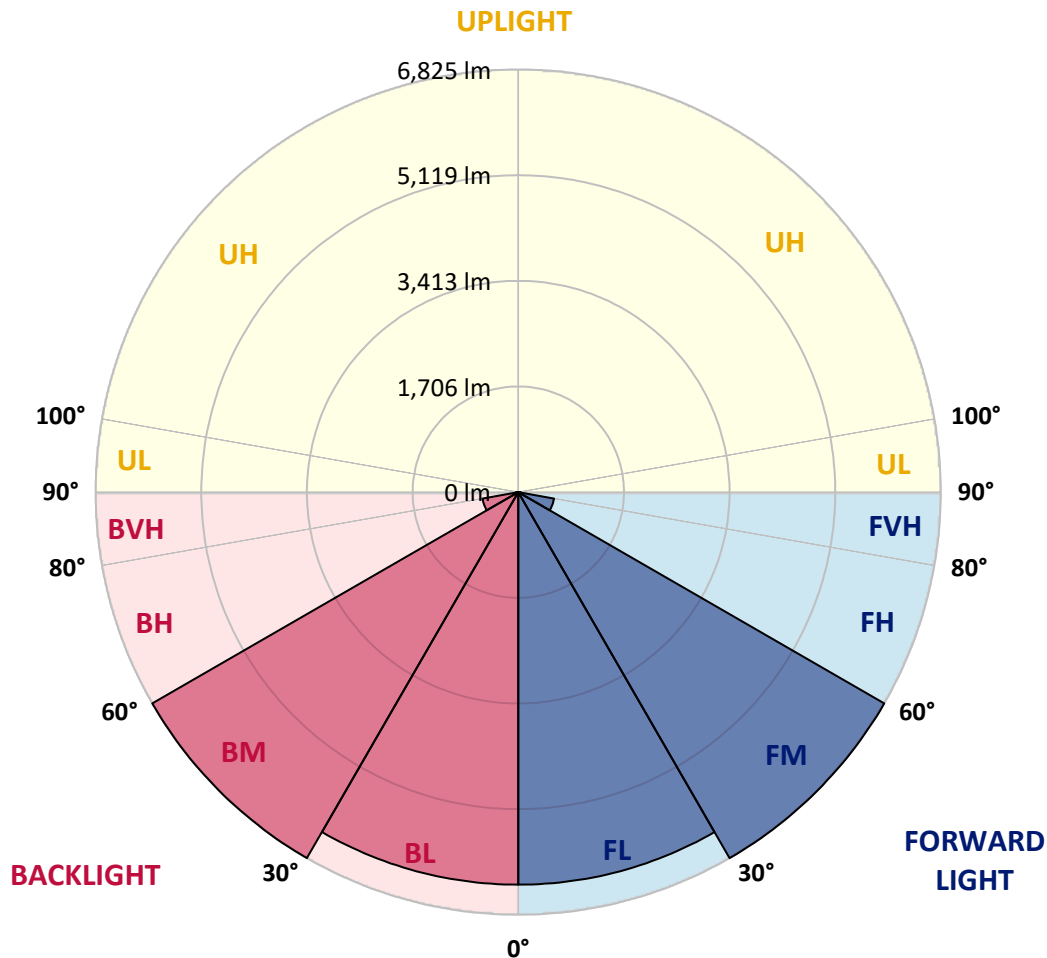
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6339.1	23.0			
FM (30°-60°)	6825.3	24.7			
FH (60°-80°)	587.3	2.1			G0/660
FVH (80°-90°)	39.2	0.1			G1/100
BL (0°-30°)	6339.1	23.0	B5		
BM (30°-60°)	6825.3	24.7	B4/8500		
BH (60°-80°)	587.3	2.1	B2/1000		G0/660
BVH (80°-90°)	39.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	18852.8	18852.8	18852.8	18852.8	18852.8	18852.8	18852.8	18852.8	18852.8	18852.8	18852.8
2.5°	18649.6	18645.6	18693.4	18713.4	18737.3	18785.1	18801.0	18904.6	18916.6	18956.5	18980.4
5°	18617.7	18601.8	18649.6	18657.6	18685.5	18693.4	18717.4	18789.1	18781.1	18840.9	18852.8
7.5°	18446.4	18426.5	18466.3	18474.3	18514.1	18502.2	18542.0	18593.8	18593.8	18637.7	18657.6
10°	18063.8	18059.8	18099.7	18103.7	18159.5	18147.5	18211.3	18223.2	18255.1	18287.0	18322.8
12.5°	17605.6	17553.7	17605.6	17585.6	17661.3	17617.5	17705.2	17733.1	17749.0	17804.8	17832.7
15°	17015.8	16952.0	16987.9	16968.0	17015.8	16960.0	17051.6	17107.4	17127.4	17183.1	17211.0
17.5°	16226.8	16175.0	16182.9	16155.0	16186.9	16143.1	16230.7	16318.4	16346.3	16406.1	16445.9
20°	15234.5	15234.5	15238.5	15214.6	15242.5	15198.6	15254.4	15389.9	15417.8	15497.5	15565.3
22.5°	14266.2	14266.2	14278.1	14246.2	14254.2	14234.3	14294.1	14425.6	14469.4	14553.1	14636.8
25°	13337.7	13321.7	13329.7	13301.8	13269.9	13277.9	13349.6	13433.3	13528.9	13636.5	13700.3
27.5°	12453.0	12472.9	12425.1	12405.2	12381.3	12337.4	12421.1	12524.7	12592.5	12680.1	12712.0
30°	11508.6	11548.4	11512.5	11496.6	11436.8	11381.0	11468.7	11572.3	11640.1	11723.8	11759.6
32.5°	10667.7	10655.8	10623.9	10588.0	10528.3	10484.4	10520.3	10639.8	10691.6	10779.3	10791.3
35°	9767.1	9759.2	9739.2	9667.5	9647.6	9595.8	9627.7	9731.3	9771.1	9822.9	9862.8
37.5°	8886.5	8858.6	8850.6	8822.7	8786.8	8774.9	8774.9	8830.7	8870.5	8922.3	8962.2
40°	8013.8	8021.7	7997.8	7973.9	7961.9	7946.0	7950.0	7981.9	8013.8	8037.7	8061.6
42.5°	7224.7	7180.9	7165.0	7141.0	7153.0	7172.9	7129.1	7176.9	7216.8	7216.8	7268.6
45°	6320.1	6340.1	6348.0	6387.9	6387.9	6368.0	6352.0	6375.9	6415.8	6411.8	6463.6
47.5°	5531.1	5507.2	5527.1	5586.9	5638.7	5646.7	5598.9	5610.8	5622.8	5602.9	5650.7
50°	4666.4	4674.4	4670.4	4762.0	4865.6	4829.8	4793.9	4805.9	4801.9	4801.9	4809.8
52.5°	3725.9	3745.9	3722.0	3853.5	3965.0	3937.1	3913.2	3913.2	3933.2	3929.2	3925.2
55°	2869.2	2861.2	2809.4	2873.2	2972.8	2976.8	2940.9	2956.8	2976.8	2996.7	2992.7
57.5°	2135.9	2112.0	2040.3	2044.3	2155.9	2183.8	2151.9	2147.9	2171.8	2179.8	2223.6
60°	1438.6	1434.6	1370.8	1366.8	1410.7	1486.4	1450.5	1450.5	1458.5	1470.5	1482.4
62.5°	984.3	992.3	968.3	964.4	972.3	1036.1	1032.1	1028.1	1024.1	1040.1	1036.1
65°	773.1	777.1	769.1	769.1	773.1	801.0	828.9	832.9	836.8	840.8	836.8
67.5°	621.7	625.6	617.7	625.6	625.6	629.6	669.5	685.4	689.4	689.4	685.4
70°	478.2	494.1	502.1	502.1	502.1	502.1	530.0	549.9	545.9	522.0	498.1
72.5°	239.1	290.9	402.5	406.5	402.5	398.5	414.4	434.4	430.4	302.9	227.1
75°	159.4	171.4	314.8	330.8	326.8	310.8	326.8	350.7	342.7	195.3	187.3
77.5°	91.7	99.6	211.2	243.1	263.0	227.1	259.0	282.9	271.0	159.4	155.4
80°	71.7	67.7	151.4	187.3	179.3	143.5	211.2	227.1	207.2	119.5	107.6
82.5°	43.8	43.8	99.6	143.5	131.5	83.7	147.4	175.3	155.4	87.7	79.7
85°	23.9	27.9	47.8	71.7	75.7	55.8	79.7	95.6	95.6	55.8	55.8
87.5°	12.0	12.0	15.9	15.9	19.9	23.9	23.9	27.9	19.9	15.9	15.9
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)