

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: P524215

Luminaire Tested: **IFLD-L-SA8C-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524215
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

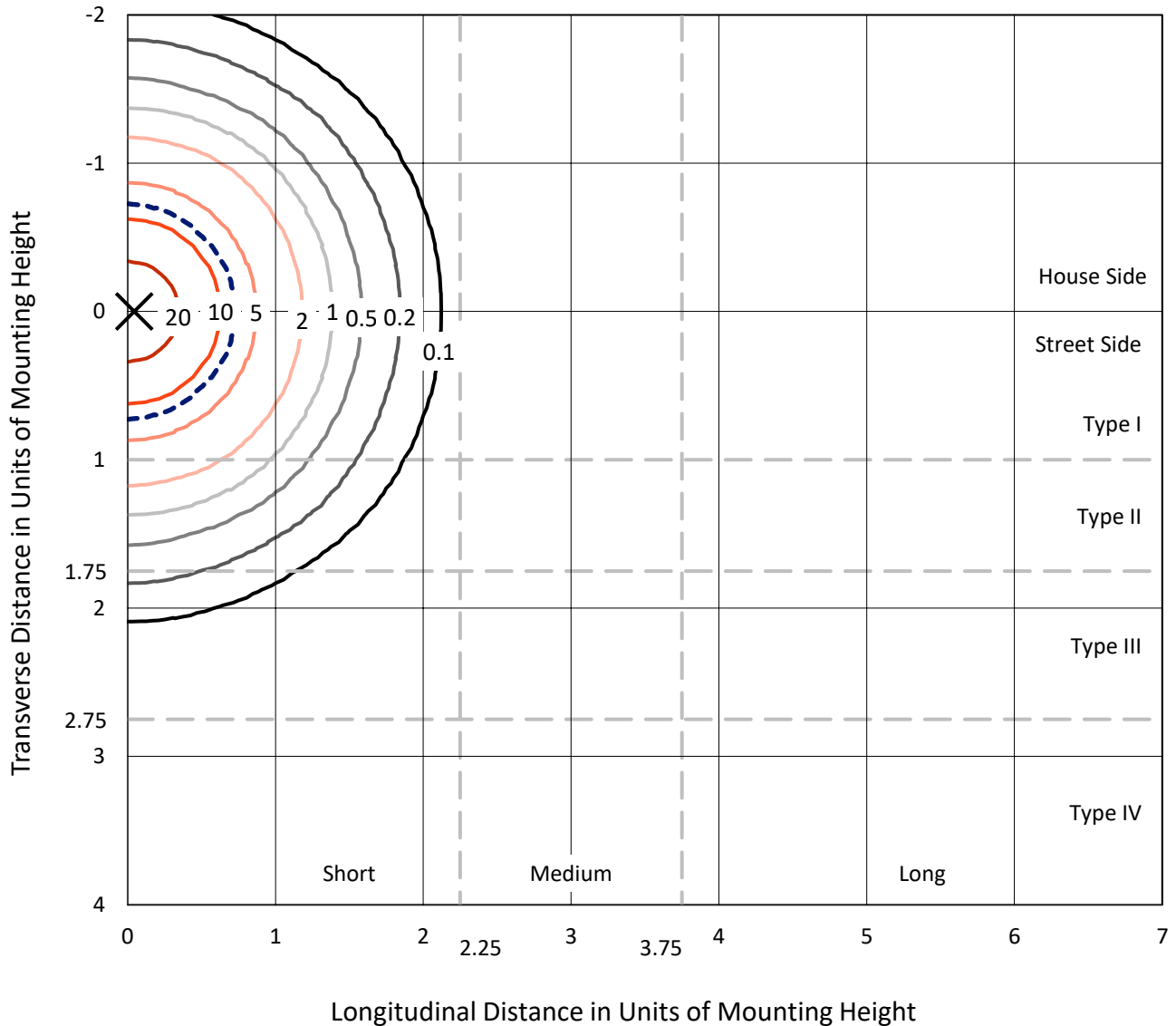
Lumens per Lamp: N/A
Luminaire Lumens: 37365.2 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

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Iso-Footcandle Lines of Horizontal Illumination

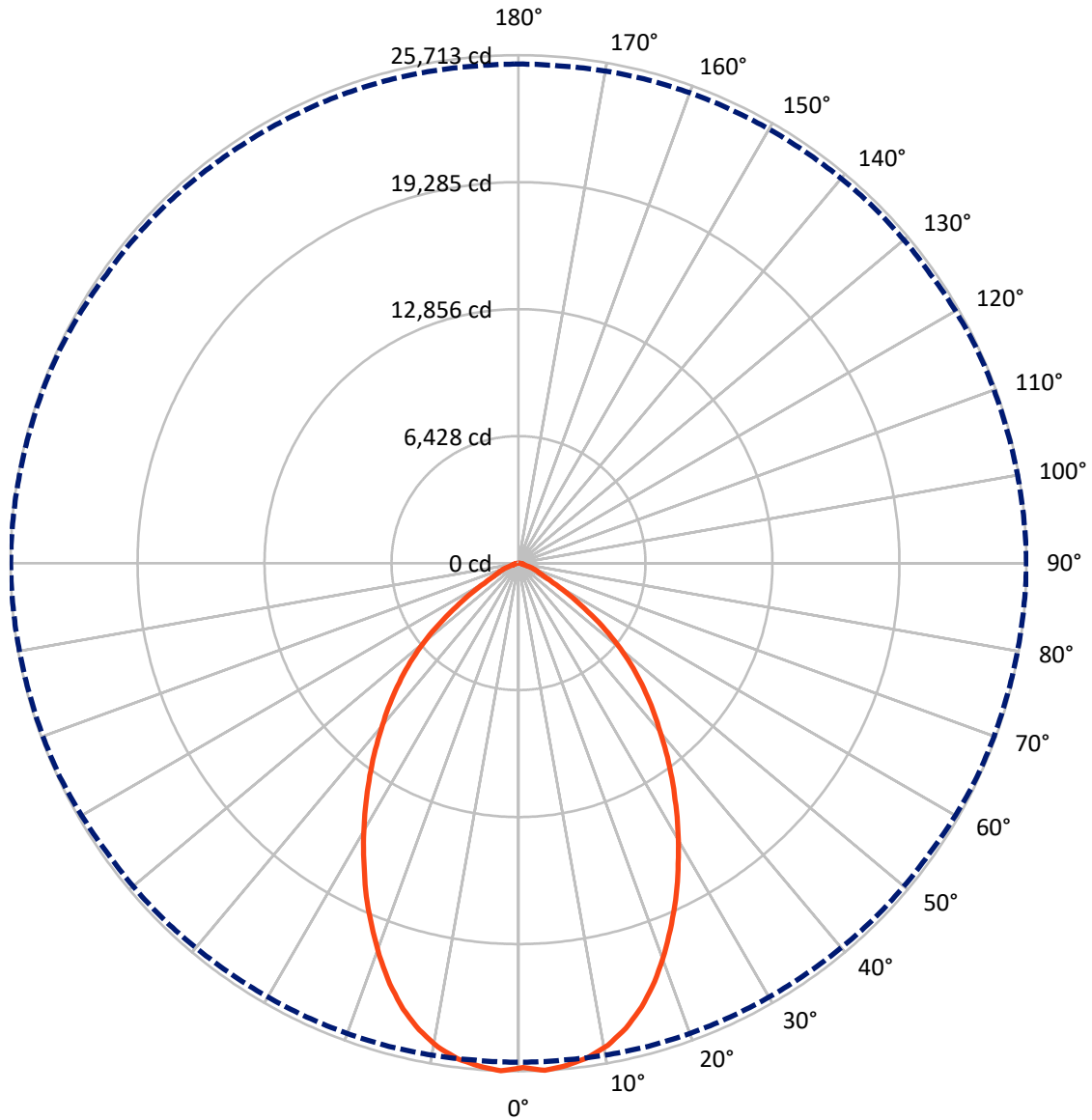
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 28.4 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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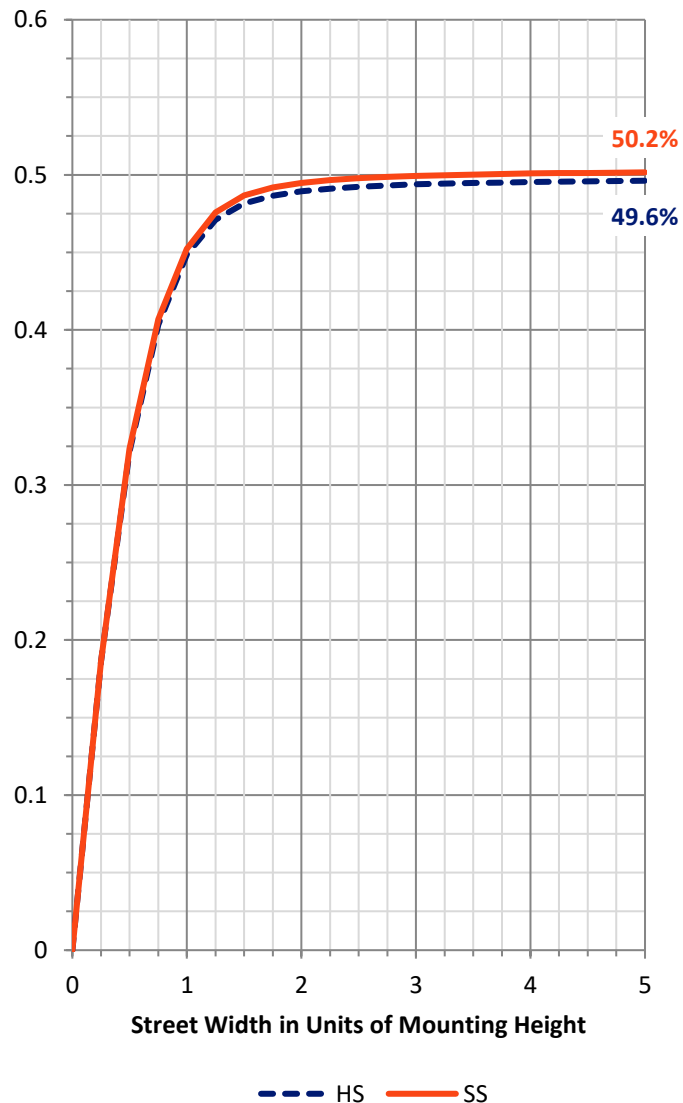
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18682.6	0.0	18682.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18682.6	0.0	18682.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	37365.2	0.0	37365.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2397.6	6.4
10°-20°	6442.5	17.2
20°-30°	8335.2	22.3
30°-40°	8220.6	22.0
40°-50°	6650.8	17.8
50°-60°	3621.2	9.7
60°-70°	1147.4	3.1
70°-80°	443.9	1.2
80°-90°	106.1	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°	37365.2	100.0
0°-180°	37365.2	100.0

Coefficient of Utilization



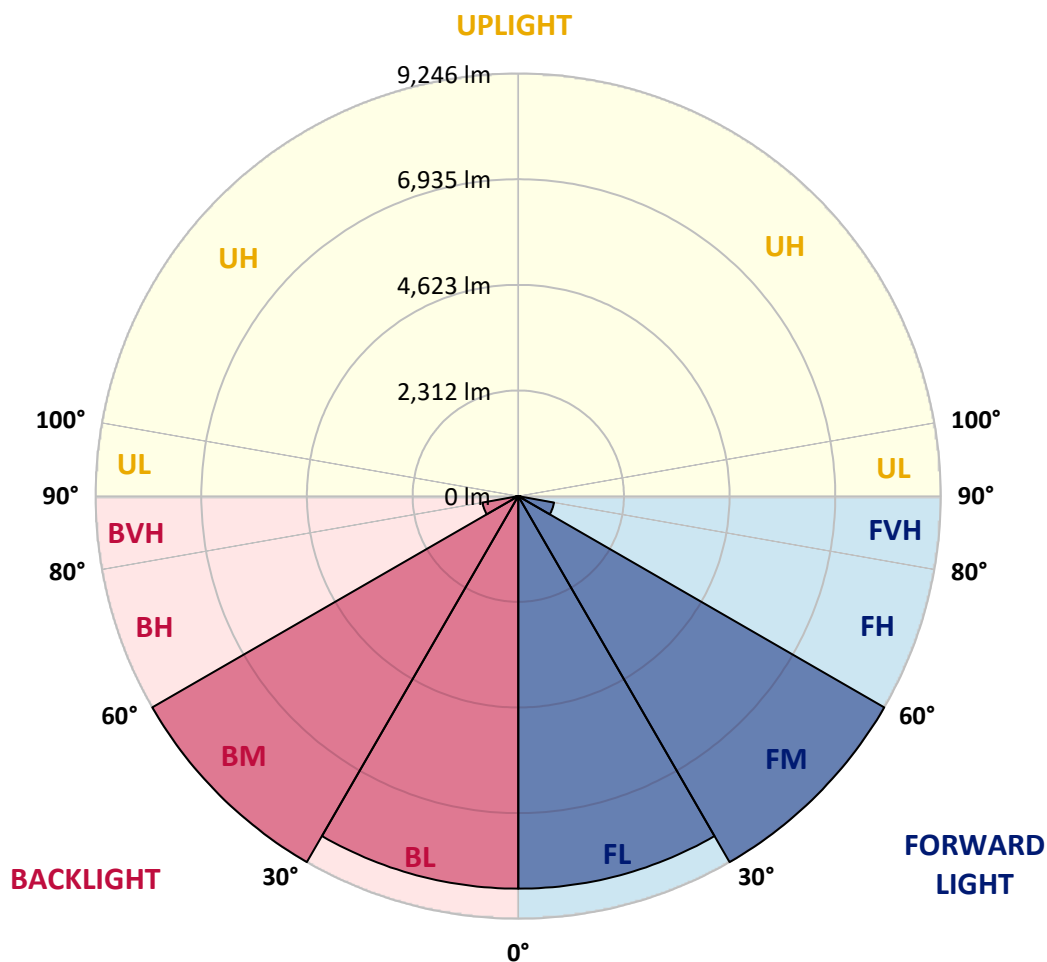
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8587.7	23.0			
FM (30°-60°)	9246.3	24.7			
FH (60°-80°)	795.6	2.1			G1/1800
FVH (80°-90°)	53.1	0.1			G1/100
BL (0°-30°)	8587.7	23.0	B5		
BM (30°-60°)	9246.3	24.7	B5		
BH (60°-80°)	795.6	2.1	B2/1000		G1/1800
BVH (80°-90°)	53.1	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°	25540.1	25540.1	25540.1	25540.1	25540.1	25540.1	25540.1	25540.1	25540.1	25540.1	25540.1
2.5°	25264.8	25259.4	25324.2	25351.2	25383.6	25448.4	25470.0	25610.3	25626.5	25680.5	25712.9
5°	25221.6	25200.0	25264.8	25275.6	25313.4	25324.2	25356.6	25453.8	25443.0	25523.9	25540.1
7.5°	24989.5	24962.5	25016.5	25027.3	25081.3	25065.1	25119.1	25189.2	25189.2	25248.6	25275.6
10°	24471.2	24465.8	24519.8	24525.2	24600.8	24584.6	24671.0	24687.2	24730.4	24773.6	24822.1
12.5°	23850.4	23780.2	23850.4	23823.4	23926.0	23866.6	23985.4	24023.2	24044.8	24120.3	24158.1
15°	23051.4	22965.1	23013.7	22986.7	23051.4	22975.9	23100.0	23175.6	23202.6	23278.2	23316.0
17.5°	21982.6	21912.4	21923.2	21885.4	21928.6	21869.2	21988.0	22106.7	22144.5	22225.5	22279.5
20°	20638.3	20638.3	20643.7	20611.3	20649.1	20589.7	20665.3	20848.9	20886.7	20994.6	21086.4
22.5°	19326.5	19326.5	19342.7	19299.5	19310.3	19283.3	19364.3	19542.4	19601.8	19715.2	19828.6
25°	18068.7	18047.1	18057.9	18020.1	17976.9	17987.7	18084.9	18198.2	18327.8	18473.5	18559.9
27.5°	16870.2	16897.2	16832.4	16805.4	16773.0	16713.6	16827.0	16967.4	17059.2	17177.9	17221.1
30°	15590.8	15644.8	15596.2	15574.6	15493.6	15418.0	15536.8	15677.1	15768.9	15882.3	15930.9
32.5°	14451.7	14435.5	14392.3	14343.7	14262.7	14203.4	14251.9	14413.9	14484.1	14602.8	14619.0
35°	13231.6	13220.8	13193.9	13096.7	13069.7	12999.5	13042.7	13183.1	13237.0	13307.2	13361.2
37.5°	12038.6	12000.8	11990.0	11952.2	11903.6	11887.4	11887.4	11963.0	12017.0	12087.2	12141.1
40°	10856.3	10867.1	10834.7	10802.3	10786.1	10764.5	10769.9	10813.1	10856.3	10888.7	10921.1
42.5°	9787.4	9728.0	9706.4	9674.1	9690.2	9717.2	9657.9	9722.6	9776.6	9776.6	9846.8
45°	8562.0	8589.0	8599.8	8653.7	8653.7	8626.7	8605.2	8637.5	8691.5	8686.1	8756.3
47.5°	7493.1	7460.7	7487.7	7568.6	7638.8	7649.6	7584.8	7601.0	7617.2	7590.2	7655.0
50°	6321.6	6332.4	6327.0	6451.2	6591.5	6542.9	6494.4	6510.5	6505.2	6505.2	6515.9
52.5°	5047.6	5074.6	5042.2	5220.3	5371.5	5333.7	5301.3	5301.3	5328.3	5322.9	5317.5
55°	3886.9	3876.1	3805.9	3892.3	4027.3	4032.7	3984.1	4005.7	4032.7	4059.6	4054.2
57.5°	2893.6	2861.2	2764.0	2769.4	2920.6	2958.4	2915.2	2909.8	2942.2	2953.0	3012.3
60°	1948.8	1943.4	1857.1	1851.7	1911.1	2013.6	1965.0	1965.0	1975.8	1992.0	2008.2
62.5°	1333.4	1344.2	1311.8	1306.4	1317.2	1403.6	1398.2	1392.8	1387.4	1409.0	1403.6
65°	1047.3	1052.7	1041.9	1041.9	1047.3	1085.1	1122.9	1128.3	1133.7	1139.1	1133.7
67.5°	842.2	847.6	836.8	847.6	847.6	853.0	906.9	928.5	933.9	933.9	928.5
70°	647.8	669.4	680.2	680.2	680.2	680.2	718.0	745.0	739.6	707.2	674.8
72.5°	323.9	394.1	545.2	550.6	545.2	539.8	561.4	588.4	583.0	410.3	307.7
75°	215.9	232.1	426.5	448.1	442.7	421.1	442.7	475.1	464.3	264.5	253.7
77.5°	124.2	135.0	286.1	329.3	356.3	307.7	350.9	383.3	367.1	215.9	210.5
80°	97.2	91.8	205.1	253.7	242.9	194.3	286.1	307.7	280.7	162.0	145.8
82.5°	59.4	59.4	135.0	194.3	178.1	113.4	199.7	237.5	210.5	118.8	108.0
85°	32.4	37.8	64.8	97.2	102.6	75.6	108.0	129.6	129.6	75.6	75.6
87.5°	16.2	16.2	21.6	21.6	27.0	32.4	32.4	37.8	27.0	21.6	21.6
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)