

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: P524099

Luminaire Tested: **IFLD-L-SA8D-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524099
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

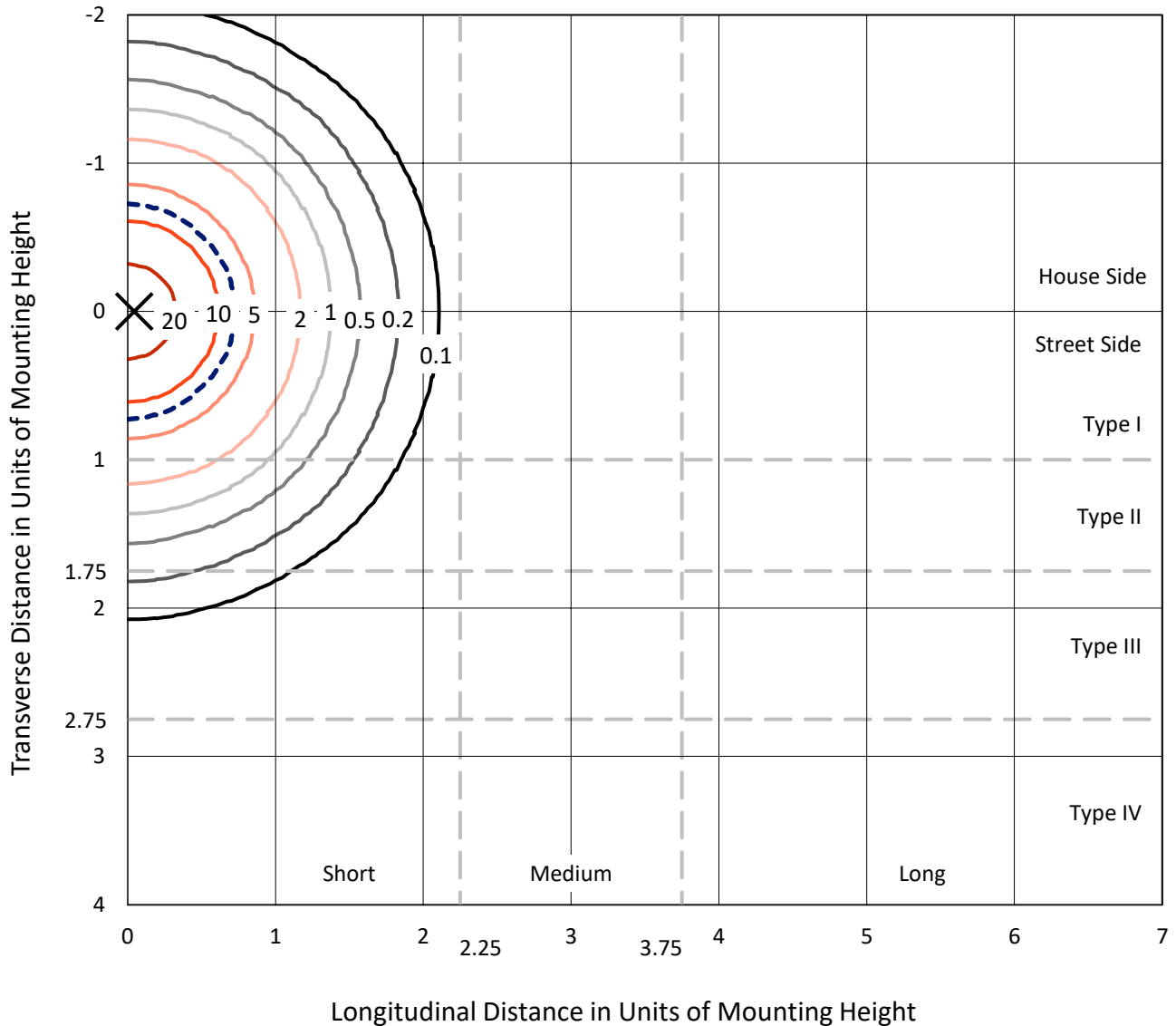
Lumens per Lamp: N/A
Luminaire Lumens: 36020.4 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

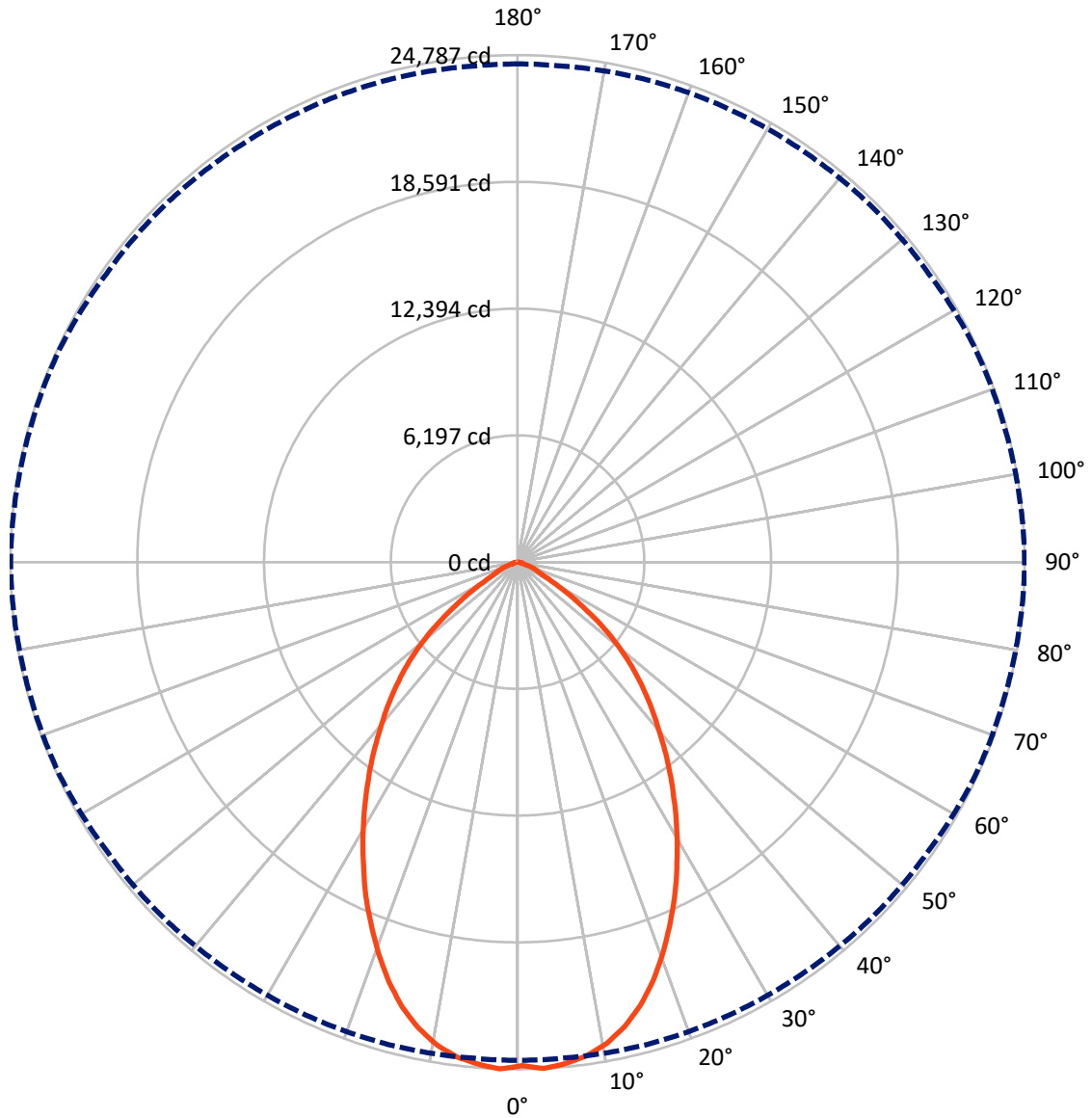
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 27.4 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	18010.2	0.0	18010.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18010.2	0.0	18010.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	36020.4	0.0	36020.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2311.3	6.4
10°-20°	6210.6	17.2
20°-30°	8035.2	22.3
30°-40°	7924.7	22.0
40°-50°	6411.4	17.8
50°-60°	3490.8	9.7
60°-70°	1106.1	3.1
70°-80°	427.9	1.2
80°-90°	102.3	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°	36020.4	100.0
0°-180°	36020.4	100.0

Coefficient of Utilization



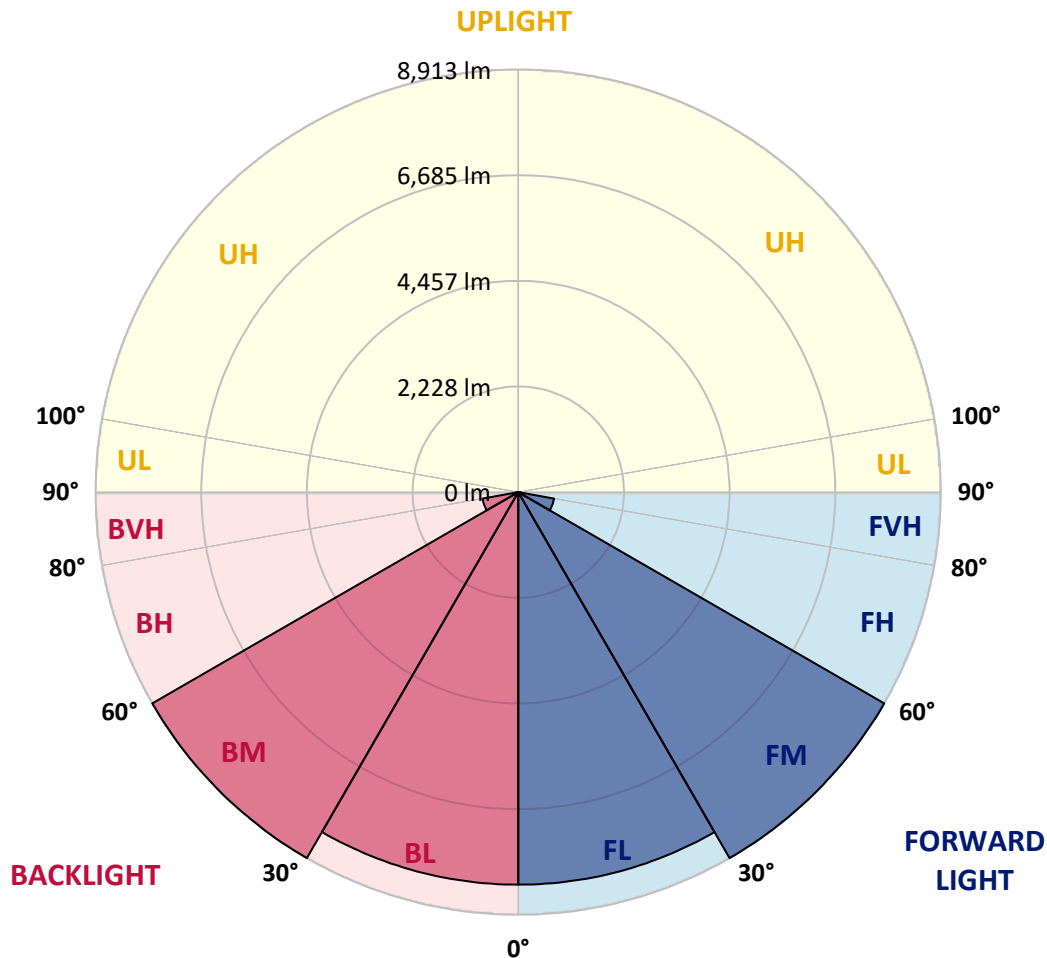
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8278.6	23.0			
FM (30°-60°)	8913.5	24.7			
FH (60°-80°)	767.0	2.1			G1/1800
FVH (80°-90°)	51.1	0.1			G1/100
BL (0°-30°)	8278.6	23.0	B5		
BM (30°-60°)	8913.5	24.7	B5		
BH (60°-80°)	767.0	2.1	B2/1000		G1/1800
BVH (80°-90°)	51.1	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°	24620.9	24620.9	24620.9	24620.9	24620.9	24620.9	24620.9	24620.9	24620.9	24620.9	24620.9
2.5°	24355.5	24350.3	24412.7	24438.8	24470.0	24532.4	24553.3	24688.6	24704.2	24756.2	24787.4
5°	24313.9	24293.1	24355.5	24365.9	24402.3	24412.7	24444.0	24537.6	24527.2	24605.3	24620.9
7.5°	24090.1	24064.1	24116.1	24126.5	24178.6	24162.9	24215.0	24282.6	24282.6	24339.9	24365.9
10°	23590.5	23585.3	23637.3	23642.5	23715.4	23699.8	23783.0	23798.7	23840.3	23881.9	23928.8
12.5°	22992.0	22924.4	22992.0	22966.0	23064.9	23007.6	23122.1	23158.5	23179.4	23252.2	23288.6
15°	22221.8	22138.5	22185.4	22159.3	22221.8	22148.9	22268.6	22341.5	22367.5	22440.4	22476.8
17.5°	21191.4	21123.7	21134.1	21097.7	21139.3	21082.1	21196.6	21311.1	21347.5	21425.6	21477.6
20°	19895.5	19895.5	19900.7	19869.5	19905.9	19848.7	19921.6	20098.5	20134.9	20239.0	20327.5
22.5°	18630.9	18630.9	18646.5	18604.9	18615.3	18589.3	18667.3	18839.1	18896.3	19005.6	19114.9
25°	17418.3	17397.5	17407.9	17371.5	17329.9	17340.3	17434.0	17543.2	17668.1	17808.7	17891.9
27.5°	16263.0	16289.0	16226.6	16200.6	16169.3	16112.1	16221.4	16356.7	16445.2	16559.7	16601.3
30°	15029.6	15081.7	15034.8	15014.0	14936.0	14863.1	14977.6	15112.9	15201.4	15310.7	15357.5
32.5°	13931.6	13915.9	13874.3	13827.5	13749.4	13692.2	13739.0	13895.1	13962.8	14077.3	14092.9
35°	12755.4	12745.0	12719.0	12625.3	12599.3	12531.6	12573.3	12708.6	12760.6	12828.3	12880.3
37.5°	11605.3	11568.9	11558.5	11522.0	11475.2	11459.6	11459.6	11532.4	11584.5	11652.1	11704.2
40°	10465.6	10476.0	10444.8	10413.5	10397.9	10377.1	10382.3	10423.9	10465.6	10496.8	10528.0
42.5°	9435.2	9377.9	9357.1	9325.9	9341.5	9367.5	9310.3	9372.7	9424.7	9424.7	9492.4
45°	8253.8	8279.8	8290.2	8342.3	8342.3	8316.3	8295.4	8326.7	8378.7	8373.5	8441.2
47.5°	7223.4	7192.2	7218.2	7296.2	7363.9	7374.3	7311.9	7327.5	7343.1	7317.1	7379.5
50°	6094.1	6104.5	6099.3	6219.0	6354.3	6307.5	6260.6	6276.2	6271.0	6271.0	6281.4
52.5°	4865.9	4891.9	4860.7	5032.4	5178.1	5141.7	5110.5	5110.5	5136.5	5131.3	5126.1
55°	3747.0	3736.6	3668.9	3752.2	3882.3	3887.5	3840.7	3861.5	3887.5	3913.5	3908.3
57.5°	2789.4	2758.2	2664.5	2669.7	2815.5	2851.9	2810.3	2805.0	2836.3	2846.7	2903.9
60°	1878.7	1873.5	1790.2	1785.0	1842.3	1941.2	1894.3	1894.3	1904.7	1920.3	1936.0
62.5°	1285.4	1295.8	1264.6	1259.4	1269.8	1353.1	1347.9	1342.7	1337.5	1358.3	1353.1
65°	1009.6	1014.8	1004.4	1004.4	1009.6	1046.0	1082.5	1087.7	1092.9	1098.1	1092.9
67.5°	811.9	817.1	806.6	817.1	817.1	822.3	874.3	895.1	900.3	900.3	895.1
70°	624.5	645.3	655.7	655.7	655.7	655.7	692.2	718.2	713.0	681.7	650.5
72.5°	312.3	379.9	525.6	530.8	525.6	520.4	541.2	567.3	562.1	395.5	296.6
75°	208.2	223.8	411.1	431.9	426.7	405.9	426.7	458.0	447.6	255.0	244.6
77.5°	119.7	130.1	275.8	317.5	343.5	296.6	338.3	369.5	353.9	208.2	203.0
80°	93.7	88.5	197.8	244.6	234.2	187.4	275.8	296.6	270.6	156.1	140.5
82.5°	57.2	57.2	130.1	187.4	171.7	109.3	192.6	229.0	203.0	114.5	104.1
85°	31.2	36.4	62.5	93.7	98.9	72.9	104.1	124.9	124.9	72.9	72.9
87.5°	15.6	15.6	20.8	20.8	26.0	31.2	31.2	36.4	26.0	20.8	20.8
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)