

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: P524216

Luminaire Tested: **IFLD-L-SA8D-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524216
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-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

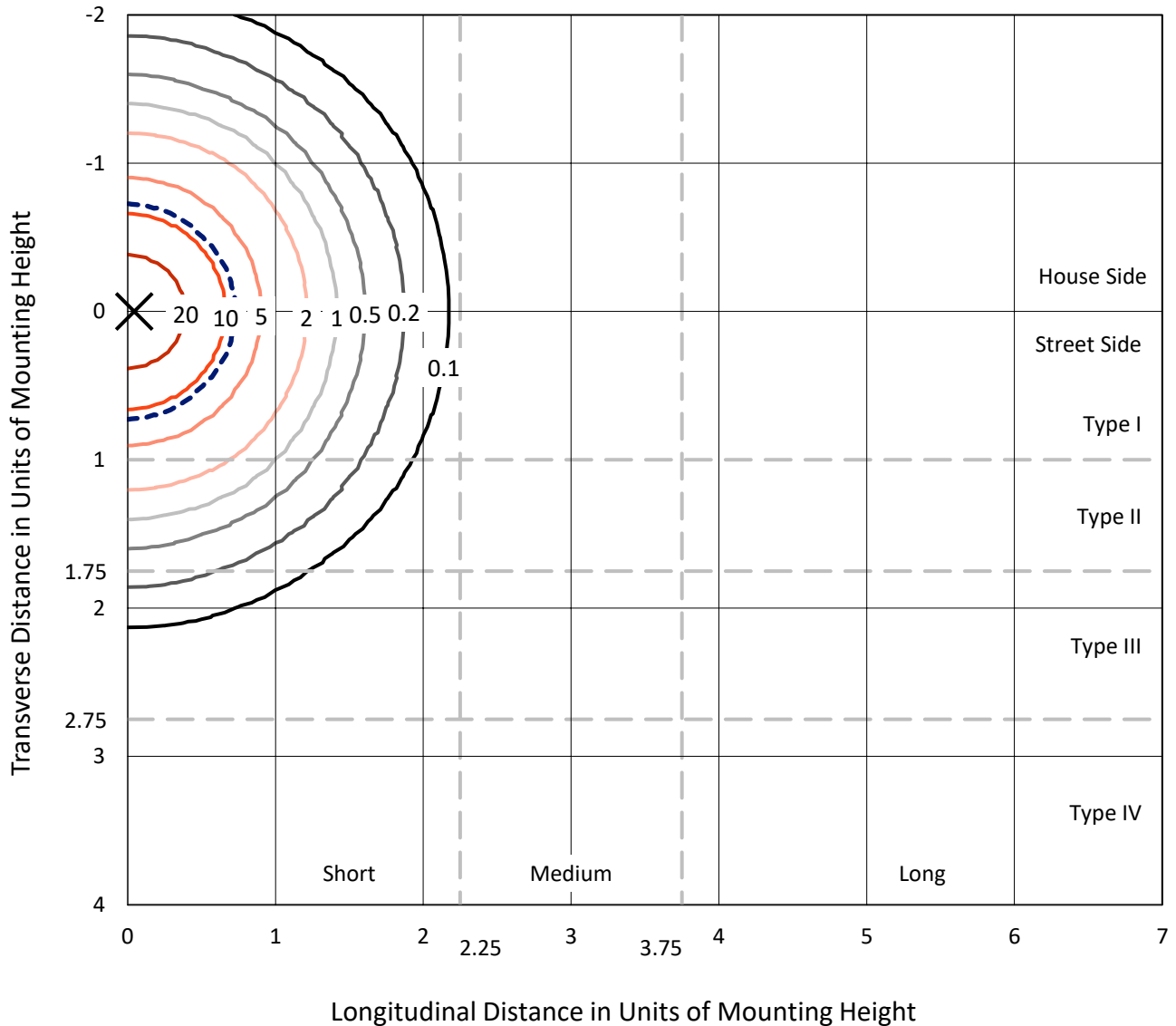
Lumens per Lamp: N/A
Luminaire Lumens: 41114.5 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

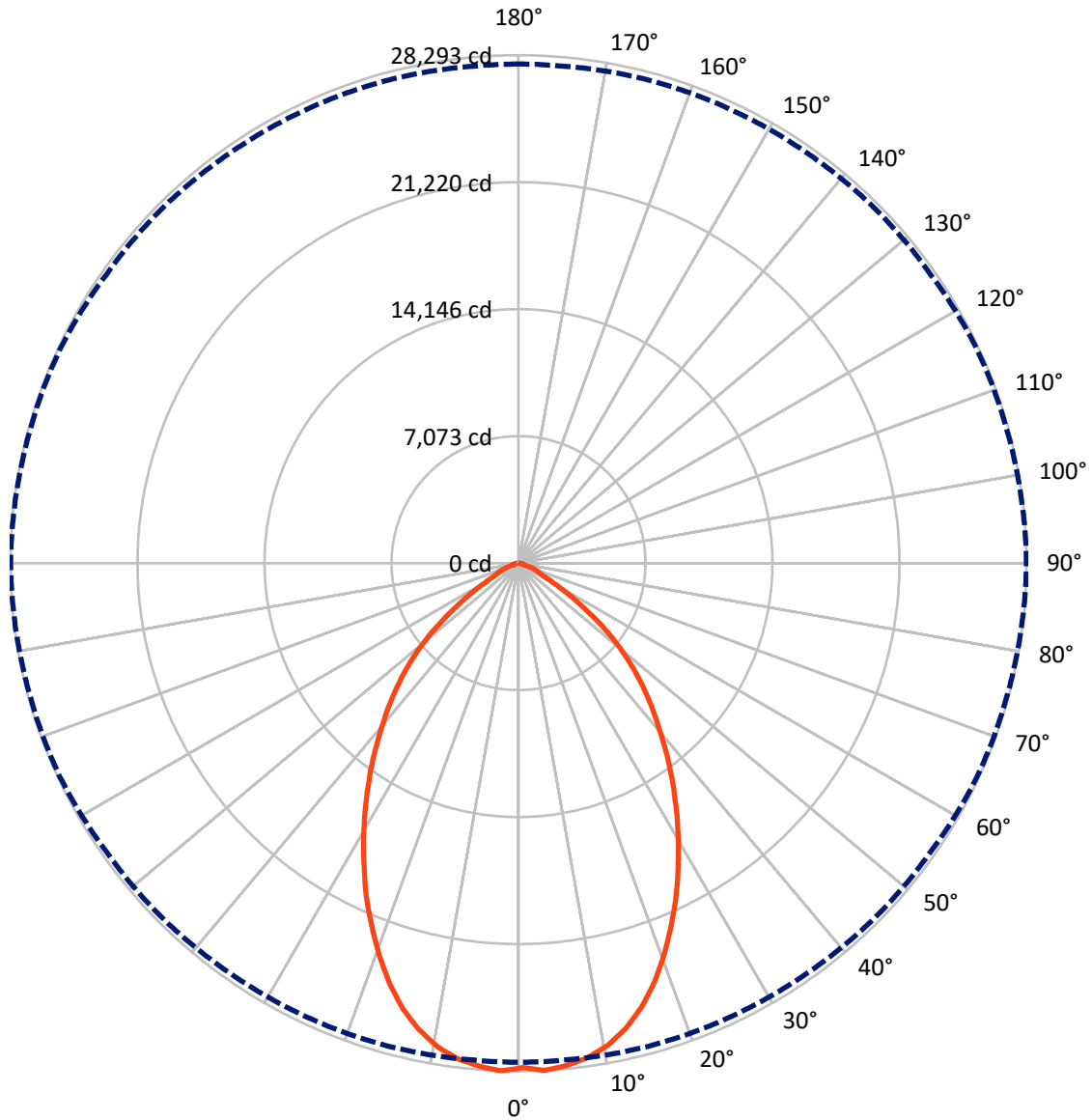
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 31.2 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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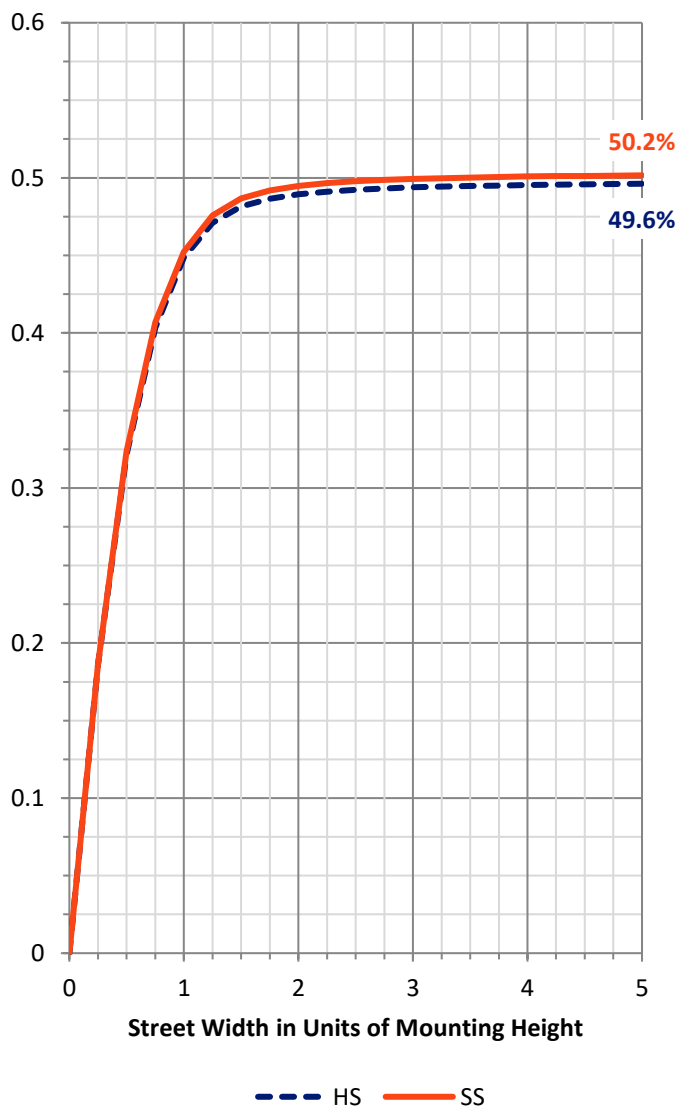
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20557.3	0.0	20557.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20557.3	0.0	20557.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	41114.5	0.0	41114.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2638.2	6.4
10°-20°	7088.9	17.2
20°-30°	9171.6	22.3
30°-40°	9045.4	22.0
40°-50°	7318.2	17.8
50°-60°	3984.5	9.7
60°-70°	1262.5	3.1
70°-80°	488.5	1.2
80°-90°	116.8	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°	41114.5	100.0
0°-180°	41114.5	100.0

Coefficient of Utilization



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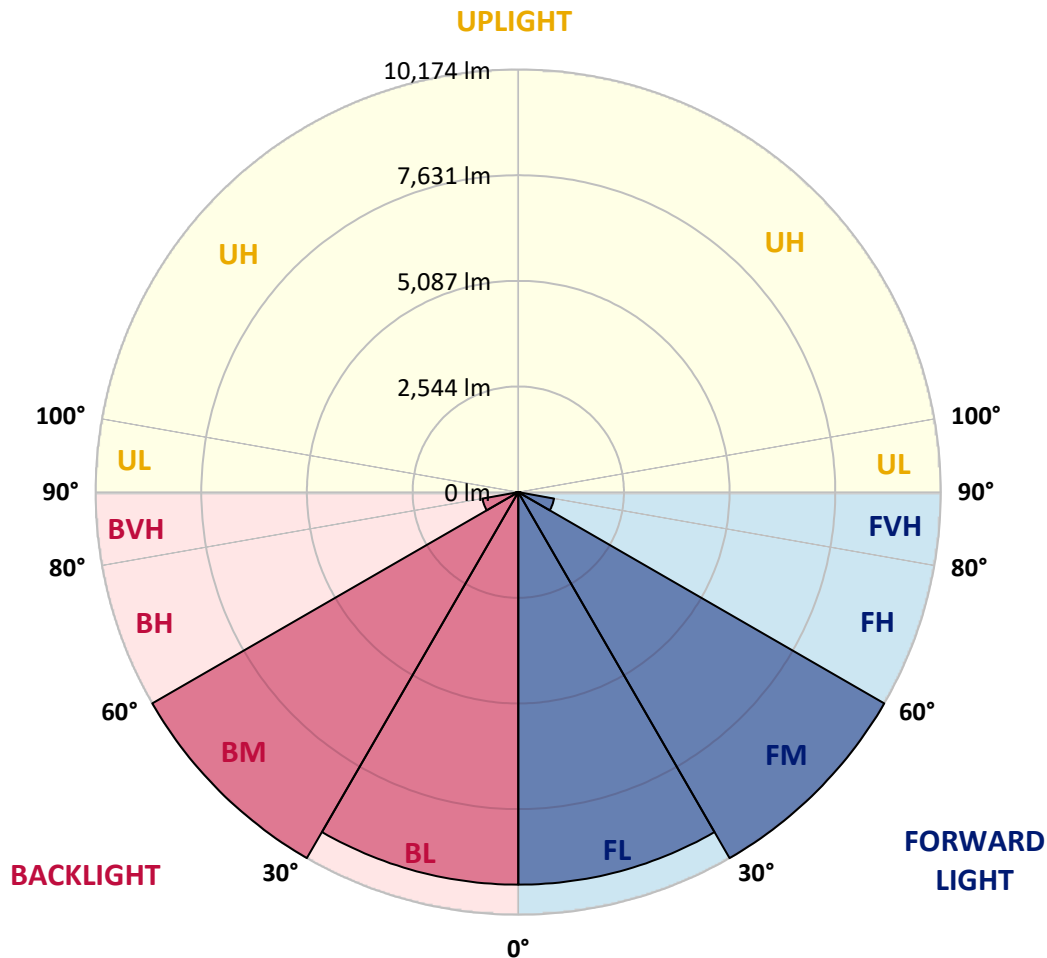
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9449.4	23.0			
FM (30°-60°)	10174.0	24.7			
FH (60°-80°)	875.5	2.1			G1/1800
FVH (80°-90°)	58.4	0.1			G1/100
BL (0°-30°)	9449.4	23.0	B5		
BM (30°-60°)	10174.0	24.7	B5		
BH (60°-80°)	875.5	2.1	B2/1000		G1/1800
BVH (80°-90°)	58.4	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°	28102.9	28102.9	28102.9	28102.9	28102.9	28102.9	28102.9	28102.9	28102.9	28102.9	28102.9
2.5°	27799.9	27794.0	27865.3	27895.0	27930.6	28001.9	28025.6	28180.1	28197.9	28257.3	28292.9
5°	27752.4	27728.6	27799.9	27811.8	27853.4	27865.3	27900.9	28007.8	27995.9	28085.0	28102.9
7.5°	27497.0	27467.3	27526.7	27538.5	27597.9	27580.1	27639.5	27716.7	27716.7	27782.1	27811.8
10°	26926.7	26920.8	26980.2	26986.1	27069.3	27051.5	27146.5	27164.3	27211.8	27259.4	27312.8
12.5°	26243.6	26166.4	26243.6	26213.9	26326.8	26261.4	26392.1	26433.7	26457.4	26540.6	26582.2
15°	25364.4	25269.4	25322.9	25293.2	25364.4	25281.3	25417.9	25501.1	25530.8	25613.9	25655.5
17.5°	24188.3	24111.1	24123.0	24081.4	24128.9	24063.6	24194.2	24324.9	24366.5	24455.6	24515.0
20°	22709.2	22709.2	22715.1	22679.5	22721.1	22655.7	22738.9	22940.9	22982.4	23101.3	23202.2
22.5°	21265.7	21265.7	21283.6	21236.0	21247.9	21218.2	21307.3	21503.4	21568.7	21693.4	21818.2
25°	19881.7	19857.9	19869.8	19828.2	19780.7	19792.6	19899.5	20024.3	20166.8	20327.2	20422.2
27.5°	18563.0	18592.7	18521.4	18491.7	18456.1	18390.7	18515.5	18669.9	18770.9	18901.6	18949.1
30°	17155.2	17214.6	17161.1	17137.3	17048.2	16965.1	17095.8	17250.2	17351.2	17475.9	17529.4
32.5°	15901.8	15884.0	15836.4	15783.0	15693.9	15628.5	15682.0	15860.2	15937.4	16068.1	16085.9
35°	14559.3	14547.4	14517.7	14410.8	14381.1	14303.9	14351.4	14505.9	14565.3	14642.5	14701.9
37.5°	13246.5	13205.0	13193.1	13151.5	13098.0	13080.2	13080.2	13163.4	13222.8	13300.0	13359.4
40°	11945.6	11957.5	11921.9	11886.2	11868.4	11844.7	11850.6	11898.1	11945.6	11981.3	12016.9
42.5°	10769.5	10704.2	10680.4	10644.8	10662.6	10692.3	10626.9	10698.2	10757.6	10757.6	10834.8
45°	9421.1	9450.8	9462.7	9522.1	9522.1	9492.4	9468.6	9504.2	9563.6	9557.7	9634.9
47.5°	8244.9	8209.3	8239.0	8328.1	8405.3	8417.2	8345.9	8363.7	8381.6	8351.9	8423.1
50°	6955.9	6967.8	6961.9	7098.5	7252.9	7199.5	7146.0	7163.8	7157.9	7157.9	7169.8
52.5°	5554.0	5583.7	5548.1	5744.1	5910.5	5868.9	5833.2	5833.2	5862.9	5857.0	5851.0
55°	4276.9	4265.0	4187.8	4282.8	4431.4	4437.3	4383.8	4407.6	4437.3	4467.0	4461.1
57.5°	3183.9	3148.3	3041.4	3047.3	3213.6	3255.2	3207.7	3201.7	3237.4	3249.3	3314.6
60°	2144.4	2138.5	2043.4	2037.5	2102.8	2215.7	2162.2	2162.2	2174.1	2191.9	2209.7
62.5°	1467.2	1479.1	1443.5	1437.5	1449.4	1544.4	1538.5	1532.6	1526.6	1550.4	1544.4
65°	1152.4	1158.3	1146.4	1146.4	1152.4	1194.0	1235.6	1241.5	1247.4	1253.4	1247.4
67.5°	926.7	932.6	920.7	932.6	932.6	938.5	997.9	1021.7	1027.6	1027.6	1021.7
70°	712.8	736.6	748.5	748.5	748.5	748.5	790.0	819.7	813.8	778.2	742.5
72.5°	356.4	433.6	600.0	605.9	600.0	594.0	617.8	647.5	641.5	451.5	338.6
75°	237.6	255.4	469.3	493.0	487.1	463.3	487.1	522.7	510.9	291.1	279.2
77.5°	136.6	148.5	314.8	362.3	392.1	338.6	386.1	421.8	403.9	237.6	231.7
80°	106.9	101.0	225.7	279.2	267.3	213.8	314.8	338.6	308.9	178.2	160.4
82.5°	65.3	65.3	148.5	213.8	196.0	124.7	219.8	261.4	231.7	130.7	118.8
85°	35.6	41.6	71.3	106.9	112.9	83.2	118.8	142.6	142.6	83.2	83.2
87.5°	17.8	17.8	23.8	23.8	29.7	35.6	35.6	41.6	29.7	23.8	23.8
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)