

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: P524094

Luminaire Tested: **IFLD-L-SA7D-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524094
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

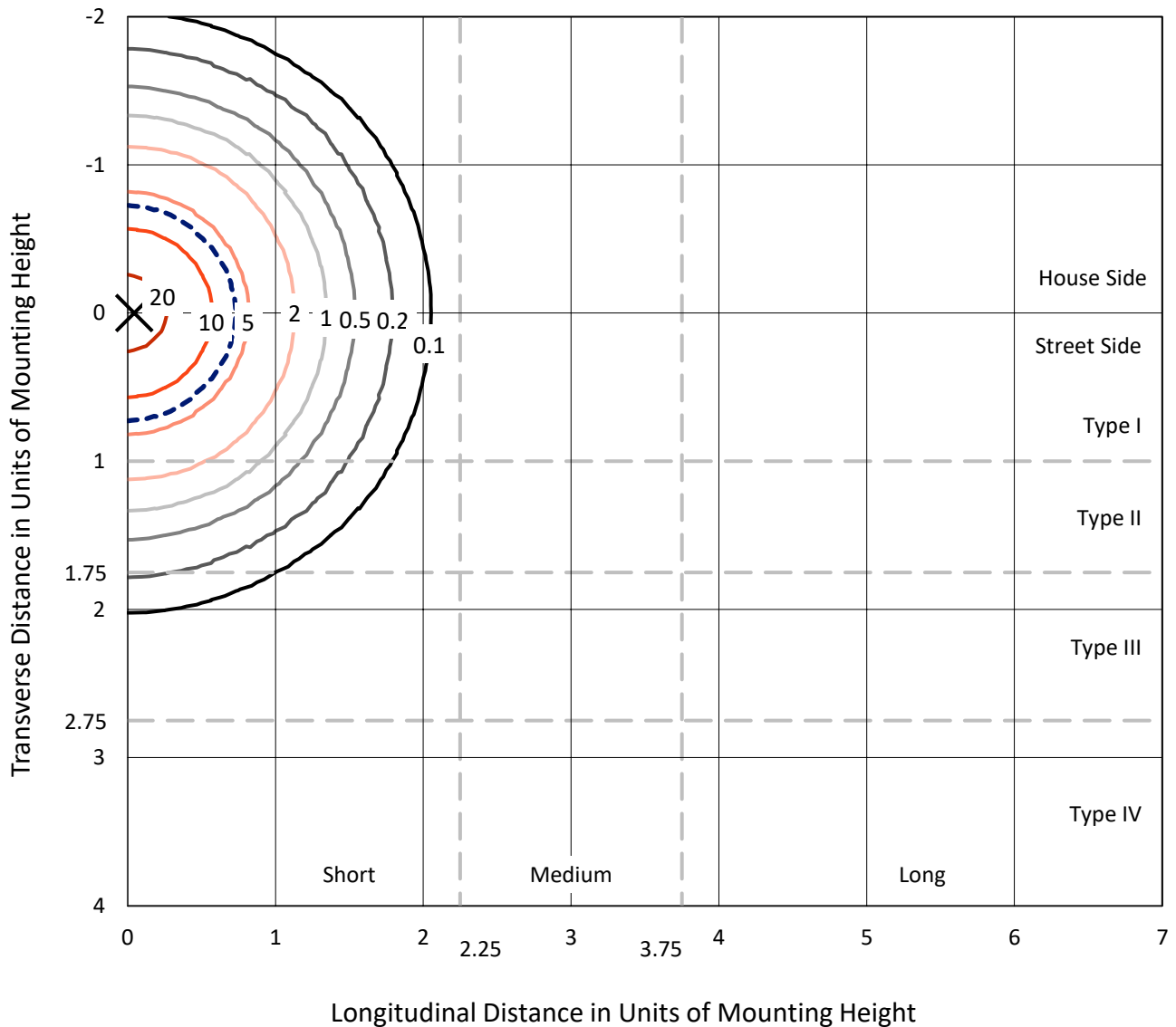
Lumens per Lamp: N/A
Luminaire Lumens: 32040.7 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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

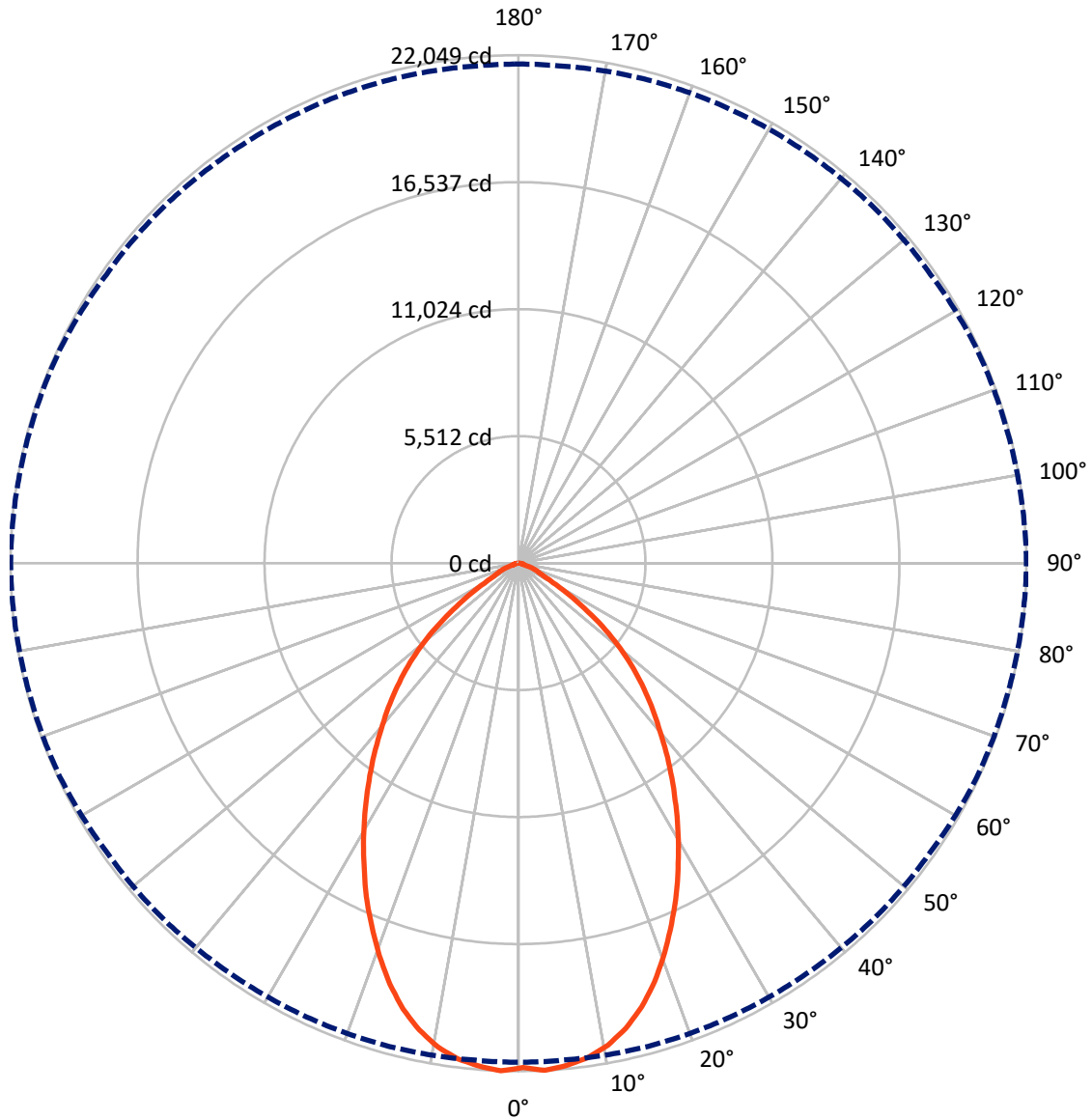
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 24.3 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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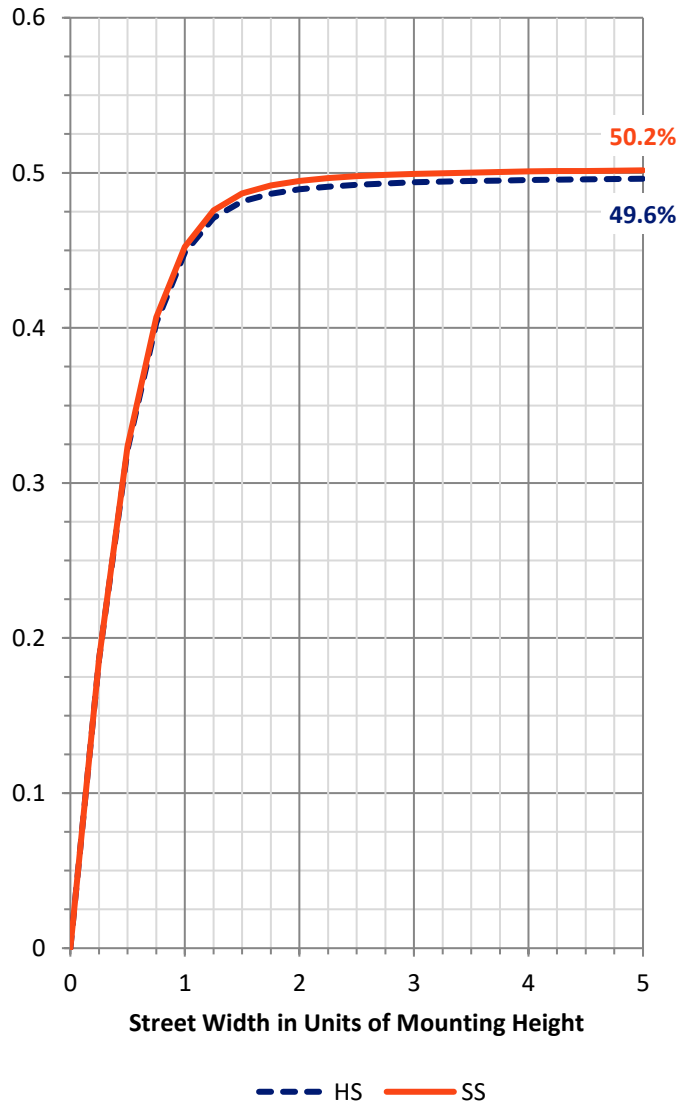
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16020.3	0.0	16020.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16020.3	0.0	16020.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	32040.7	0.0	32040.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2056.0	6.4
10°-20°	5524.4	17.2
20°-30°	7147.5	22.3
30°-40°	7049.1	22.0
40°-50°	5703.1	17.8
50°-60°	3105.2	9.7
60°-70°	983.9	3.1
70°-80°	380.7	1.2
80°-90°	91.0	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°	32040.7	100.0
0°-180°	32040.7	100.0

Coefficient of Utilization



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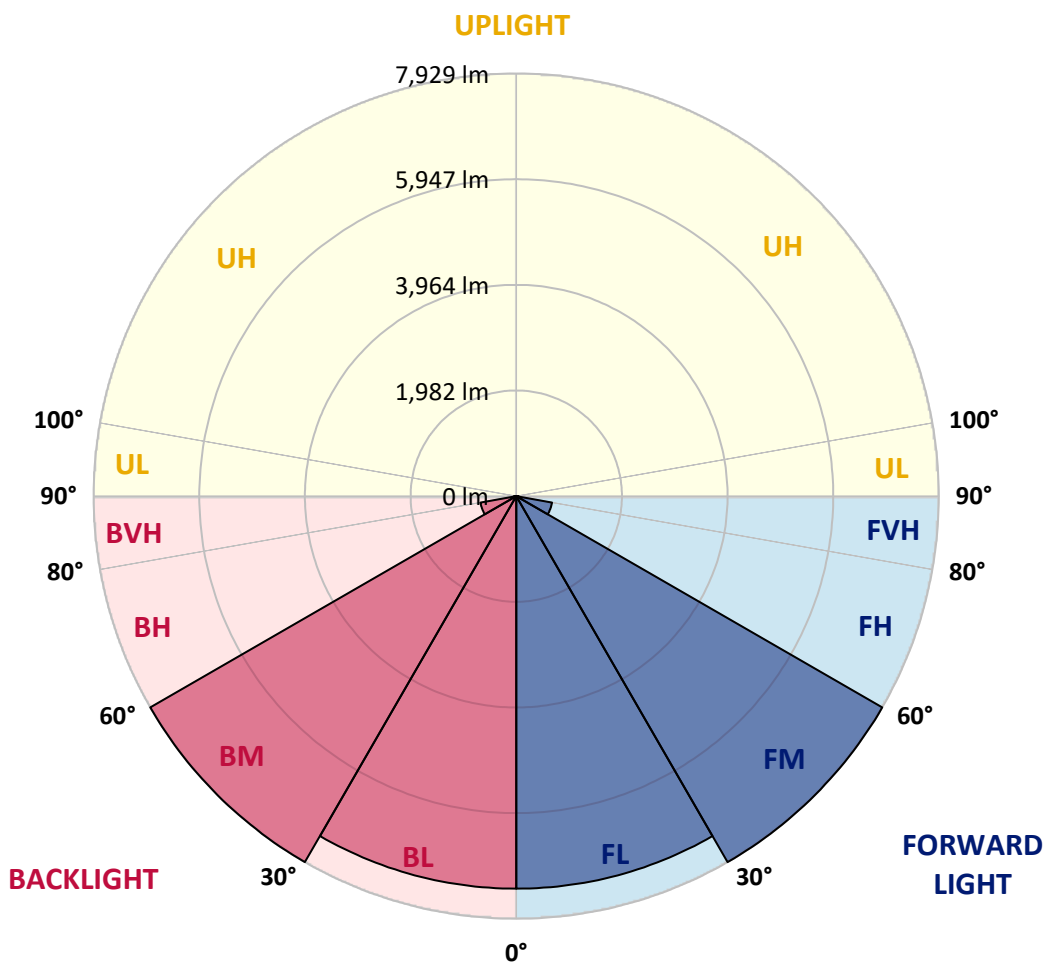
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7363.9	23.0			
FM (30°-60°)	7928.7	24.7			
FH (60°-80°)	682.3	2.1			G1/1800
FVH (80°-90°)	45.5	0.1			G1/100
BL (0°-30°)	7363.9	23.0	B5		
BM (30°-60°)	7928.7	24.7	B4/8500		
BH (60°-80°)	682.3	2.1	B2/1000		G1/1800
BVH (80°-90°)	45.5	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°	21900.6	21900.6	21900.6	21900.6	21900.6	21900.6	21900.6	21900.6	21900.6	21900.6	21900.6
2.5°	21664.6	21659.9	21715.5	21738.6	21766.4	21821.9	21840.5	21960.8	21974.7	22021.0	22048.8
5°	21627.5	21609.0	21664.6	21673.8	21706.2	21715.5	21743.3	21826.6	21817.3	21886.8	21900.6
7.5°	21428.5	21405.3	21451.6	21460.9	21507.2	21493.3	21539.6	21599.7	21599.7	21650.7	21673.8
10°	20984.1	20979.4	21025.7	21030.4	21095.2	21081.3	21155.3	21169.2	21206.3	21243.3	21285.0
12.5°	20451.7	20391.5	20451.7	20428.6	20516.5	20465.6	20567.4	20599.8	20618.4	20683.2	20715.6
15°	19766.6	19692.5	19734.2	19711.0	19766.6	19701.8	19808.3	19873.1	19896.2	19961.0	19993.4
17.5°	18850.0	18789.8	18799.1	18766.7	18803.7	18752.8	18854.6	18956.5	18988.9	19058.3	19104.6
20°	17697.4	17697.4	17702.0	17674.2	17706.6	17655.7	17720.5	17877.9	17910.3	18002.9	18081.6
22.5°	16572.5	16572.5	16586.3	16549.3	16558.6	16535.4	16604.9	16757.6	16808.5	16905.8	17003.0
25°	15493.9	15475.3	15484.6	15452.2	15415.2	15424.4	15507.7	15605.0	15716.1	15841.1	15915.1
27.5°	14466.2	14489.3	14433.8	14410.6	14382.9	14331.9	14429.2	14549.5	14628.2	14730.0	14767.1
30°	13369.1	13415.4	13373.7	13355.2	13285.7	13220.9	13322.8	13443.1	13521.8	13619.0	13660.7
32.5°	12392.3	12378.4	12341.4	12299.7	12230.3	12179.4	12221.0	12359.9	12420.1	12521.9	12535.8
35°	11346.1	11336.9	11313.7	11230.4	11207.2	11147.1	11184.1	11304.5	11350.7	11410.9	11457.2
37.5°	10323.1	10290.7	10281.4	10249.0	10207.3	10193.5	10193.5	10258.3	10304.6	10364.7	10411.0
40°	9309.3	9318.5	9290.8	9263.0	9249.1	9230.6	9235.2	9272.2	9309.3	9337.1	9364.8
42.5°	8392.7	8341.8	8323.3	8295.5	8309.4	8332.5	8281.6	8337.2	8383.4	8383.4	8443.6
45°	7341.9	7365.0	7374.3	7420.6	7420.6	7397.4	7378.9	7406.7	7453.0	7448.3	7508.5
47.5°	6425.3	6397.5	6420.7	6490.1	6550.3	6559.5	6504.0	6517.9	6531.8	6508.6	6564.2
50°	5420.8	5430.0	5425.4	5531.9	5652.2	5610.6	5568.9	5582.8	5578.2	5578.2	5587.4
52.5°	4328.3	4351.4	4323.7	4476.4	4606.0	4573.6	4545.9	4545.9	4569.0	4564.4	4559.7
55°	3333.0	3323.8	3263.6	3337.6	3453.4	3458.0	3416.3	3434.9	3458.0	3481.1	3476.5
57.5°	2481.2	2453.5	2370.1	2374.8	2504.4	2536.8	2499.8	2495.1	2522.9	2532.2	2583.1
60°	1671.1	1666.5	1592.4	1587.8	1638.7	1726.7	1685.0	1685.0	1694.3	1708.2	1722.1
62.5°	1143.4	1152.7	1124.9	1120.3	1129.5	1203.6	1199.0	1194.3	1189.7	1208.2	1203.6
65°	898.1	902.7	893.4	893.4	898.1	930.5	962.9	967.5	972.1	976.8	972.1
67.5°	722.2	726.8	717.5	726.8	726.8	731.4	777.7	796.2	800.8	800.8	796.2
70°	555.5	574.0	583.3	583.3	583.3	583.3	615.7	638.8	634.2	606.4	578.6
72.5°	277.8	337.9	467.5	472.2	467.5	462.9	481.4	504.6	500.0	351.8	263.9
75°	185.2	199.1	365.7	384.2	379.6	361.1	379.6	407.4	398.1	226.8	217.6
77.5°	106.5	115.7	245.3	282.4	305.5	263.9	300.9	328.7	314.8	185.2	180.5
80°	83.3	78.7	175.9	217.6	208.3	166.7	245.3	263.9	240.7	138.9	125.0
82.5°	50.9	50.9	115.7	166.7	152.8	97.2	171.3	203.7	180.5	101.8	92.6
85°	27.8	32.4	55.6	83.3	88.0	64.8	92.6	111.1	111.1	64.8	64.8
87.5°	13.9	13.9	18.5	18.5	23.1	27.8	27.8	32.4	23.1	18.5	18.5
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)