

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: P479742

Luminaire Tested: **IFLD-L-SA7B-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479742
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

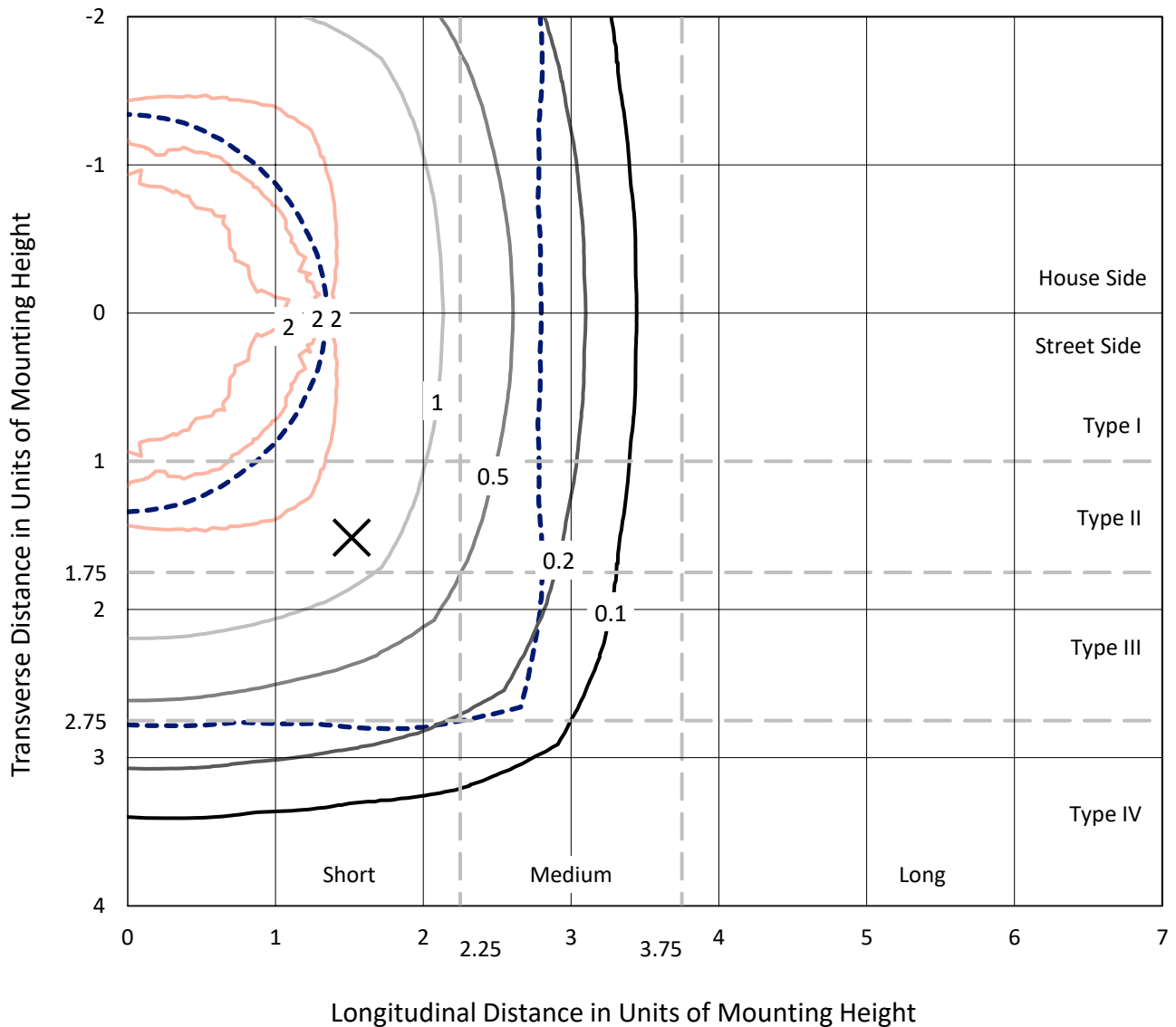
Lumens per Lamp: N/A
Luminaire Lumens: 36544.8 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 281
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

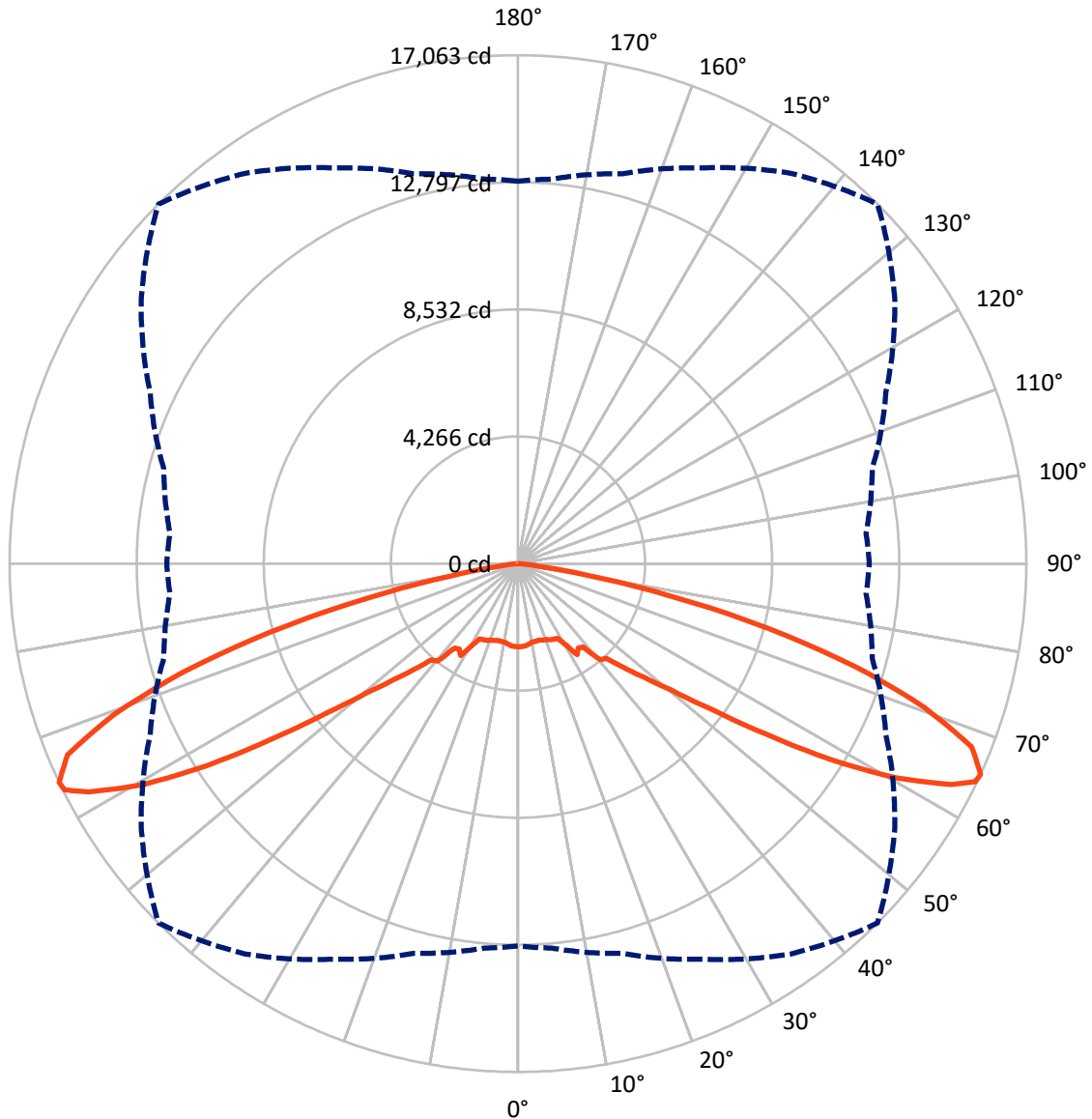
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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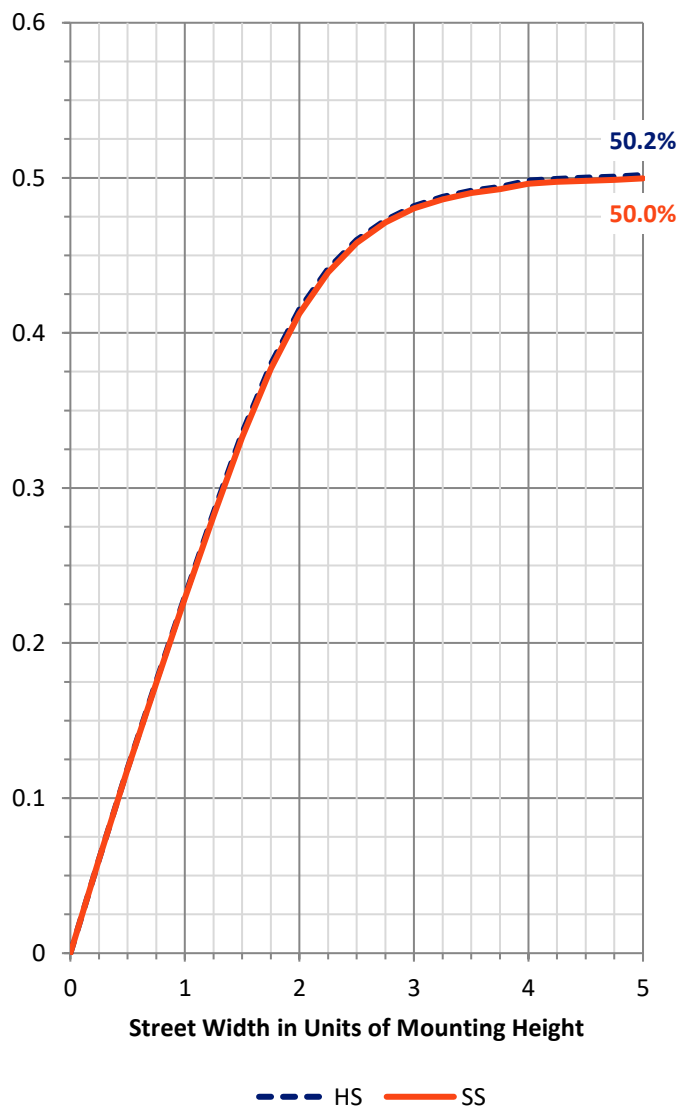
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18272.4	0.0	18272.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18272.4	0.0	18272.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	36544.8	0.0	36544.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	0.7
10°-20°	770.2	2.1
20°-30°	1333.2	3.6
30°-40°	2216.8	6.1
40°-50°	3999.5	10.9
50°-60°	8909.6	24.4
60°-70°	13278.1	36.3
70°-80°	5502.6	15.1
80°-90°	272.5	0.7
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°	36544.8	100.0
0°-180°	36544.8	100.0

Coefficient of Utilization



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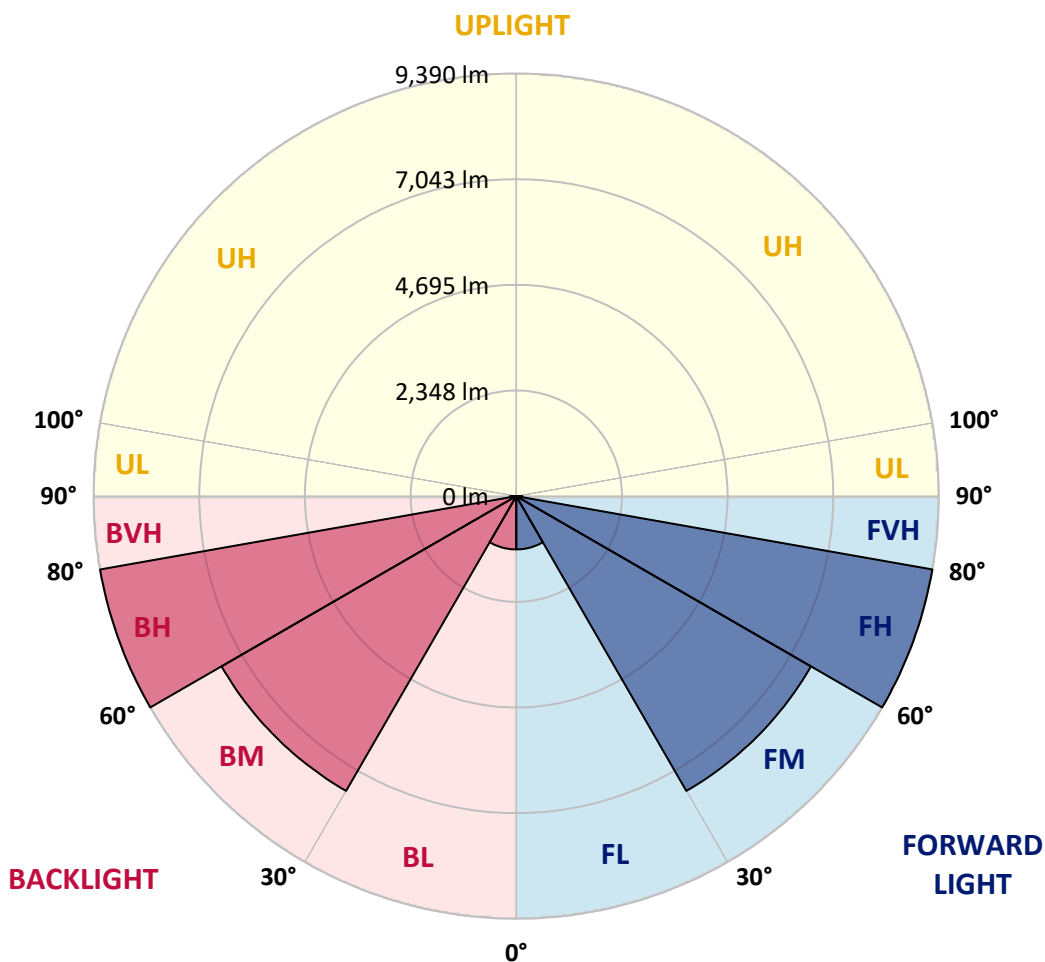
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1182.8	3.2			
FM (30°-60°)	7563.0	20.7			
FH (60°-80°)	9390.4	25.7			G4/12000
FVH (80°-90°)	136.3	0.4			G2/225
BL (0°-30°)	1182.8	3.2	B3/2500		
BM (30°-60°)	7563.0	20.7	B4/8500		
BH (60°-80°)	9390.4	25.7	B5		G4/12000
BVH (80°-90°)	136.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2794.1	2794.1	2794.1	2794.1	2794.1	2794.1	2794.1	2794.1	2794.1	2794.1	2794.1
2.5°	2761.8	2769.8	2765.8	2765.8	2777.9	2786.0	2790.0	2830.4	2814.3	2826.4	2814.3
5°	2769.8	2769.8	2777.9	2769.8	2777.9	2769.8	2777.9	2765.8	2777.9	2786.0	2798.1
7.5°	2753.7	2745.6	2733.5	2733.5	2729.5	2721.4	2709.3	2741.6	2725.4	2737.5	2757.7
10°	2757.7	2745.6	2705.2	2713.3	2677.0	2677.0	2685.1	2685.1	2721.4	2761.8	2773.9
12.5°	2757.7	2733.5	2721.4	2668.9	2668.9	2672.9	2693.1	2701.2	2725.4	2741.6	2782.0
15°	2757.7	2745.6	2725.4	2656.8	2672.9	2664.9	2685.1	2685.1	2737.5	2765.8	2786.0
17.5°	2773.9	2782.0	2745.6	2681.0	2685.1	2701.2	2689.1	2701.2	2765.8	2786.0	2814.3
20°	2777.9	2745.6	2733.5	2693.1	2729.5	2721.4	2717.4	2741.6	2761.8	2798.1	2830.4
22.5°	2769.8	2782.0	2733.5	2729.5	2761.8	2777.9	2786.0	2757.7	2782.0	2806.2	2834.4
25°	2838.5	2794.1	2782.0	2773.9	2790.0	2806.2	2798.1	2822.3	2822.3	2850.6	2886.9
27.5°	3024.2	3028.3	3004.0	2907.1	2874.8	2838.5	2854.6	2919.2	2996.0	3056.5	3068.6
30°	3109.0	3125.2	3189.8	3173.6	3161.5	3173.6	3169.6	3185.7	3193.8	3197.8	3185.7
32.5°	3185.7	3177.7	3149.4	3222.1	3460.3	3642.0	3468.4	3230.1	3177.7	3161.5	3177.7
35°	3464.3	3464.3	3403.8	3310.9	3436.1	3480.5	3399.7	3286.7	3351.3	3484.5	3492.6
37.5°	3823.7	3771.2	3795.4	3783.3	3646.0	3549.1	3690.4	3763.1	3775.2	3771.2	3811.6
40°	4037.7	4001.3	3965.0	4029.6	4154.8	4243.6	4118.4	3944.8	3989.2	4078.1	4041.7
42.5°	4526.2	4433.4	4441.4	4376.8	4372.8	4344.5	4316.3	4328.4	4393.0	4493.9	4510.1
45°	5026.9	5071.3	5043.1	4921.9	4978.5	4978.5	4897.7	4958.3	4990.6	5107.7	5123.8
47.5°	5810.2	5790.0	5802.1	5693.1	5689.1	5717.4	5689.1	5693.1	5794.1	5786.0	5741.6
50°	6726.8	6783.3	6799.4	6747.0	6682.4	6670.2	6625.8	6682.4	6742.9	6747.0	6710.6
52.5°	7994.6	8055.2	8055.2	8071.3	8152.1	8111.7	8103.6	8107.7	7990.6	7909.8	7950.2
55°	9593.5	9613.7	9682.4	9823.7	10070.0	10102.3	9948.8	9880.2	9666.2	9537.0	9637.9
57.5°	11172.3	11253.0	11442.8	11810.2	12113.0	12444.1	12000.0	11547.8	11127.8	10921.9	10958.3
60°	12484.5	12601.6	12965.0	13477.8	14317.6	14620.4	13869.4	13094.2	12242.2	11612.4	11866.7
62.5°	13102.3	13284.0	13590.8	14628.5	15888.3	16324.3	15222.0	13812.9	12520.8	11915.2	11903.1
64°	13106.3	13134.6	13748.3	14866.7	16162.8	17006.7	15549.1	13812.9	12589.5	11842.5	11979.8
65°	12835.8	12952.9	13546.4	14648.7	15989.2	17063.2	15436.0	13623.1	12306.8	11725.4	11790.0
67.5°	11608.3	11604.3	12153.4	13247.6	15109.0	16421.2	14475.1	12561.2	11608.3	10978.4	11055.2
70°	8806.2	8947.5	9472.4	10816.9	13074.0	14479.1	12658.1	10675.6	9488.5	8983.8	8955.6
72.5°	5269.2	5454.9	6125.2	7764.5	10154.8	11862.7	10045.7	7897.7	6468.4	5668.9	5689.1
75°	2402.4	2539.7	3000.0	4336.5	6767.1	8672.9	6807.5	4566.6	3274.6	2765.8	2693.1
77.5°	674.3	759.1	1013.5	1990.6	3714.7	5200.5	3819.6	2200.5	1429.3	1187.1	1162.9
80°	302.8	319.0	359.4	484.5	1179.0	2293.4	1578.7	807.5	537.0	444.1	424.0
82.5°	165.5	177.7	234.2	250.3	335.1	609.7	520.9	379.5	323.0	258.4	250.3
85°	92.9	96.9	133.2	133.2	161.5	177.7	189.8	201.9	197.8	145.4	141.3
87.5°	28.3	32.3	40.4	40.4	40.4	40.4	64.6	88.8	96.9	68.6	68.6
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)