

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: P479626

Luminaire Tested: **IFLD-L-SA7C-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479626
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

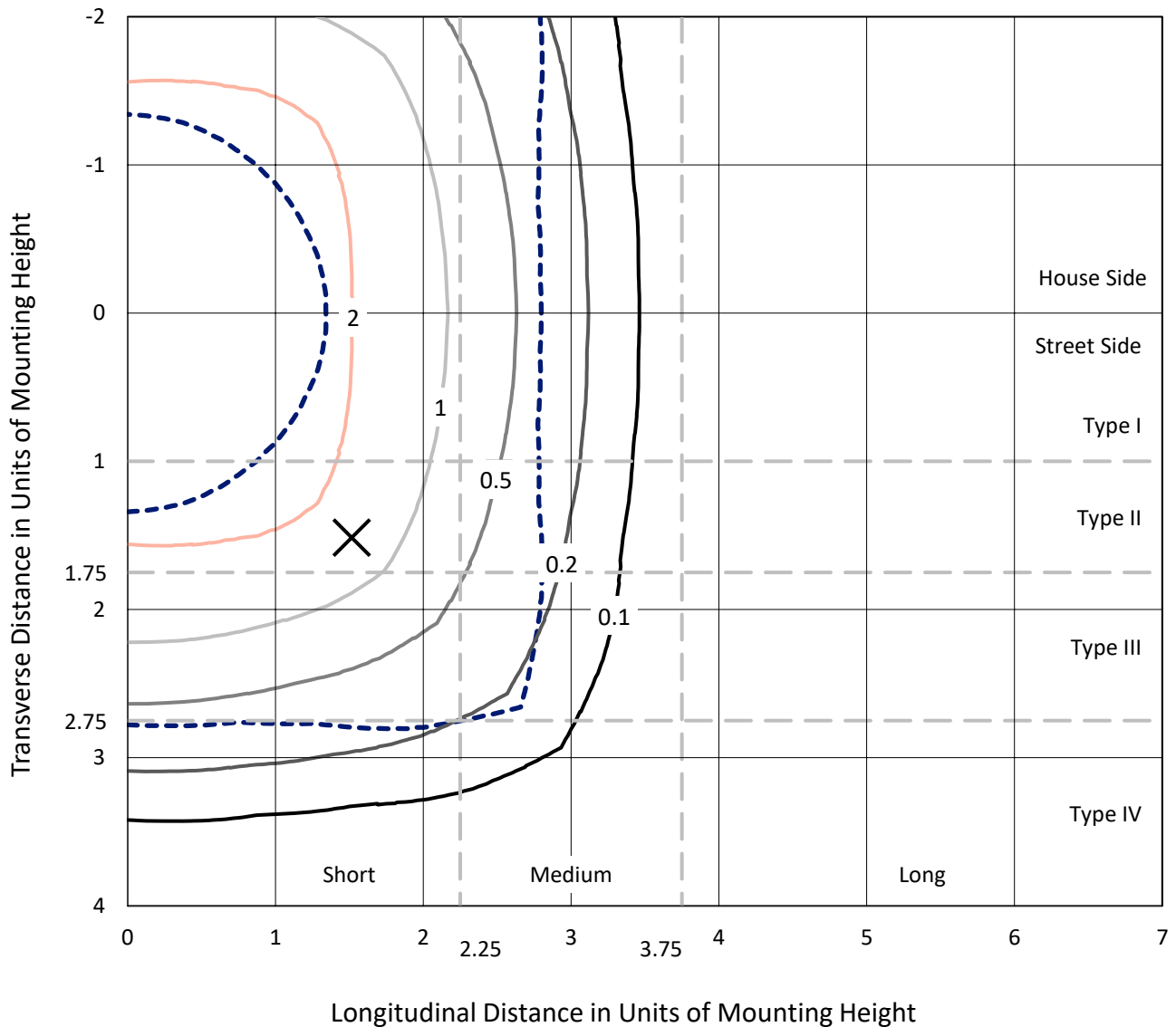
Lumens per Lamp: N/A
Luminaire Lumens: 38044.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 369
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

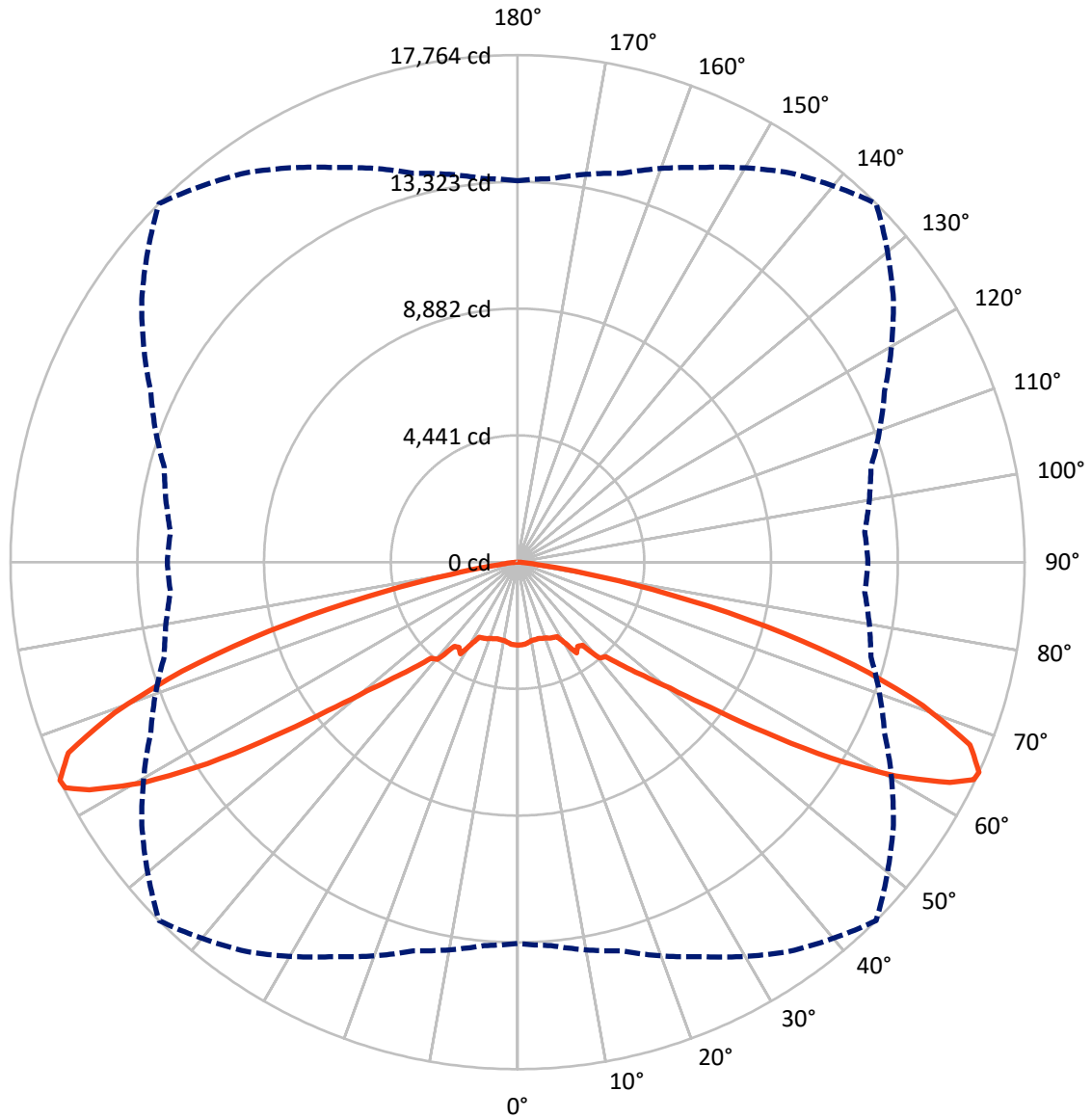
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 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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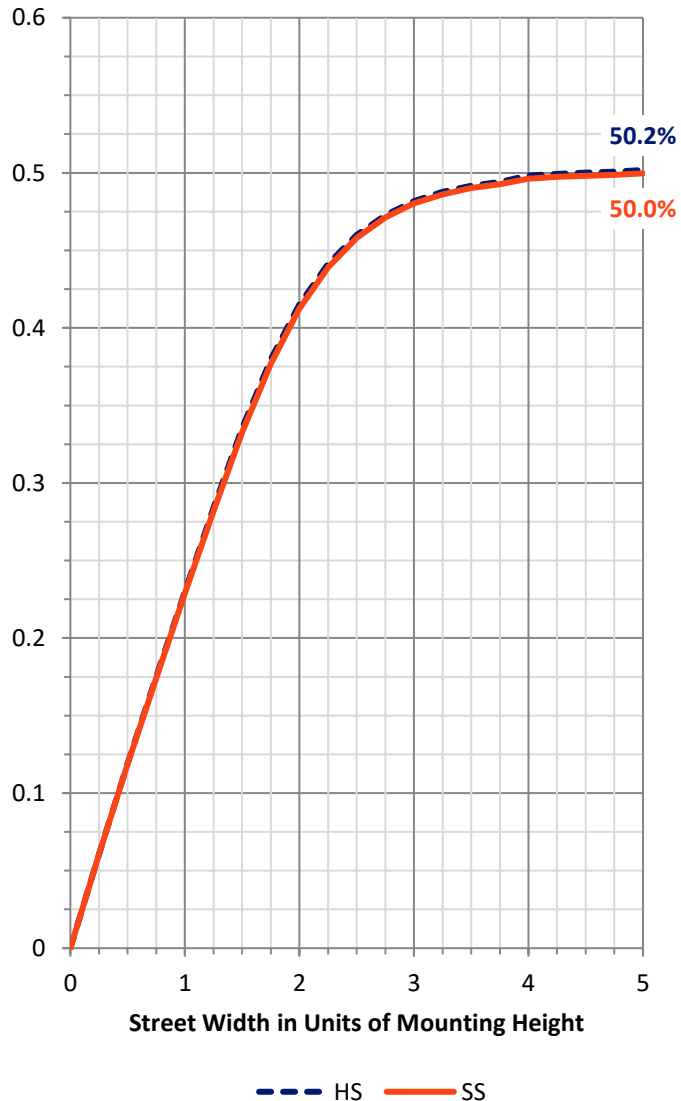
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19022.5	0.0	19022.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19022.5	0.0	19022.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38044.9	0.0	38044.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	0.7
10°-20°	801.8	2.1
20°-30°	1387.9	3.6
30°-40°	2307.8	6.1
40°-50°	4163.7	10.9
50°-60°	9275.3	24.4
60°-70°	13823.2	36.3
70°-80°	5728.5	15.1
80°-90°	283.7	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°	38044.9	100.0
0°-180°	38044.9	100.0

Coefficient of Utilization



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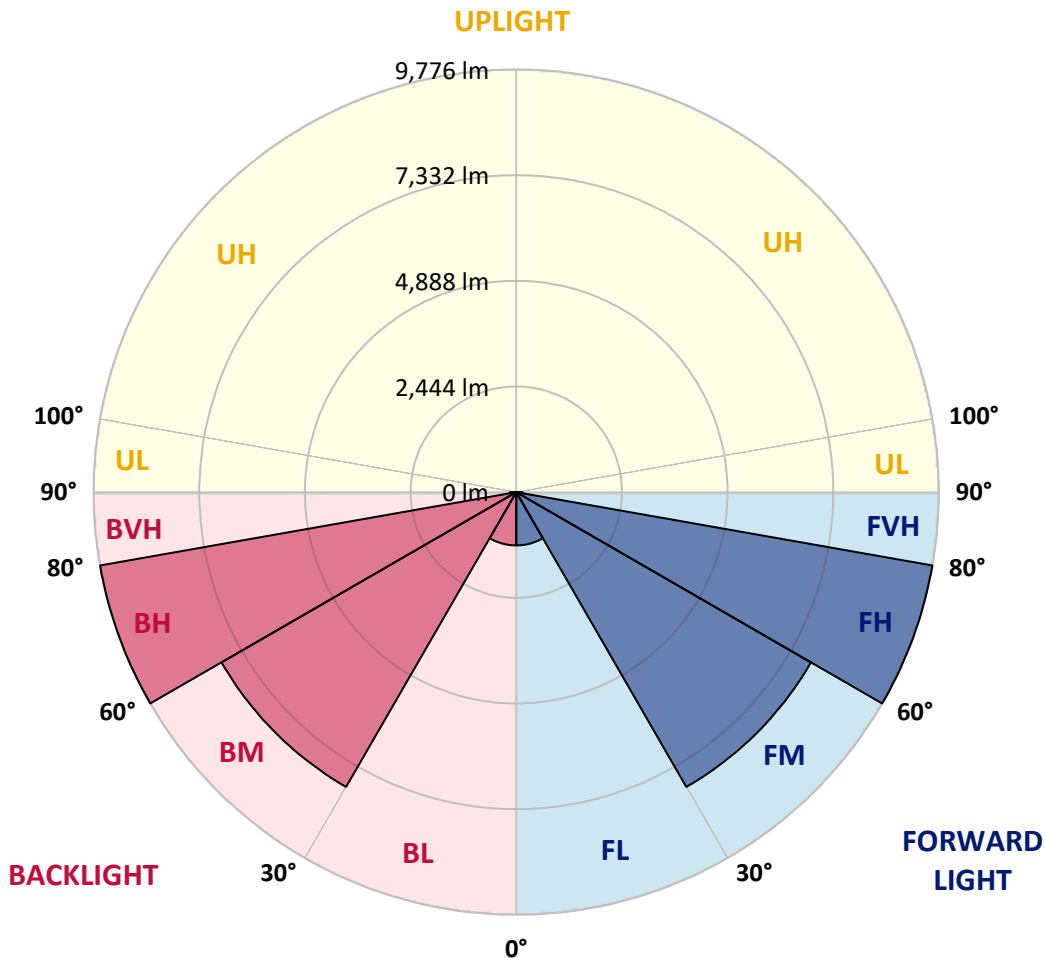
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.4	3.2			
FM (30°-60°)	7873.4	20.7			
FH (60°-80°)	9775.8	25.7			G4/12000
FVH (80°-90°)	141.9	0.4			G2/225
BL (0°-30°)	1231.4	3.2	B3/2500		
BM (30°-60°)	7873.4	20.7	B4/8500		
BH (60°-80°)	9775.8	25.7	B5		G4/12000
BVH (80°-90°)	141.9	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°	2908.8	2908.8	2908.8	2908.8	2908.8	2908.8	2908.8	2908.8	2908.8	2908.8	2908.8
2.5°	2875.1	2883.5	2879.3	2879.3	2892.0	2900.4	2904.6	2946.6	2929.8	2942.4	2929.8
5°	2883.5	2883.5	2892.0	2883.5	2892.0	2883.5	2892.0	2879.3	2892.0	2900.4	2913.0
7.5°	2866.7	2858.3	2845.7	2845.7	2841.5	2833.1	2820.5	2854.1	2837.3	2849.9	2870.9
10°	2870.9	2858.3	2816.3	2824.7	2786.9	2786.9	2795.3	2795.3	2833.1	2875.1	2887.7
12.5°	2870.9	2845.7	2833.1	2778.5	2778.5	2782.7	2803.7	2812.1	2837.3	2854.1	2896.2
15°	2870.9	2858.3	2837.3	2765.8	2782.7	2774.3	2795.3	2795.3	2849.9	2879.3	2900.4
17.5°	2887.7	2896.2	2858.3	2791.1	2795.3	2812.1	2799.5	2812.1	2879.3	2900.4	2929.8
20°	2892.0	2858.3	2845.7	2803.7	2841.5	2833.1	2828.9	2854.1	2875.1	2913.0	2946.6
22.5°	2883.5	2896.2	2845.7	2841.5	2875.1	2892.0	2900.4	2870.9	2896.2	2921.4	2950.8
25°	2955.0	2908.8	2896.2	2887.7	2904.6	2921.4	2913.0	2938.2	2938.2	2967.6	3005.4
27.5°	3148.4	3152.6	3127.3	3026.5	2992.8	2955.0	2971.8	3039.1	3118.9	3182.0	3194.6
30°	3236.6	3253.4	3320.7	3303.9	3291.3	3303.9	3299.7	3316.5	3324.9	3329.1	3316.5
32.5°	3316.5	3308.1	3278.7	3354.3	3602.3	3791.5	3610.7	3362.7	3308.1	3291.3	3308.1
35°	3606.5	3606.5	3543.5	3446.8	3577.1	3623.3	3539.3	3421.6	3488.8	3627.5	3636.0
37.5°	3980.6	3926.0	3951.2	3938.6	3795.7	3694.8	3841.9	3917.6	3930.2	3926.0	3968.0
40°	4203.4	4165.6	4127.8	4195.0	4325.3	4417.8	4287.5	4106.7	4153.0	4245.5	4207.6
42.5°	4712.0	4615.4	4623.8	4556.5	4552.3	4522.9	4493.5	4506.1	4573.3	4678.4	4695.2
45°	5233.3	5279.5	5250.1	5124.0	5182.8	5182.8	5098.7	5161.8	5195.4	5317.3	5334.1
47.5°	6048.7	6027.7	6040.3	5926.8	5922.6	5952.0	5922.6	5926.8	6031.9	6023.5	5977.3
50°	7002.9	7061.7	7078.6	7023.9	6956.7	6944.0	6897.8	6956.7	7019.7	7023.9	6986.1
52.5°	8322.8	8385.8	8385.8	8402.6	8486.7	8444.7	8436.3	8440.5	8318.6	8234.5	8276.5
55°	9987.3	10008.3	10079.8	10226.9	10483.3	10517.0	10357.2	10285.8	10063.0	9928.5	10033.6
57.5°	11630.9	11714.9	11912.5	12295.0	12610.3	12954.9	12492.6	12021.8	11584.6	11370.2	11408.1
60°	12997.0	13118.9	13497.2	14031.0	14905.3	15220.6	14438.7	13631.7	12744.8	12089.0	12353.8
62.5°	13640.1	13829.2	14148.7	15229.0	16540.4	16994.4	15846.9	14379.9	13034.8	12404.3	12391.7
64°	13644.3	13673.7	14312.6	15477.0	16826.3	17704.8	16187.4	14379.9	13106.3	12328.6	12471.5
65°	13362.7	13484.6	14102.5	15250.0	16645.5	17763.6	16069.7	14182.3	12812.0	12206.7	12274.0
67.5°	12084.8	12080.6	12652.3	13791.4	15729.2	17095.3	15069.3	13076.8	12084.8	11429.1	11509.0
70°	9167.7	9314.8	9861.2	11261.0	13610.7	15073.5	13177.7	11113.8	9878.0	9352.6	9323.2
72.5°	5485.5	5678.8	6376.6	8083.2	10571.6	12349.6	10458.1	8221.9	6733.9	5901.6	5922.6
75°	2501.0	2643.9	3123.1	4514.5	7044.9	9028.9	7087.0	4754.1	3409.0	2879.3	2803.7
77.5°	702.0	790.2	1055.1	2072.3	3867.1	5414.0	3976.4	2290.9	1488.0	1235.8	1210.6
80°	315.3	332.1	374.1	504.4	1227.4	2387.5	1643.5	840.7	559.1	462.4	441.4
82.5°	172.3	185.0	243.8	260.6	348.9	634.7	542.2	395.1	336.3	269.0	260.6
85°	96.7	100.9	138.7	138.7	168.1	185.0	197.6	210.2	206.0	151.3	147.1
87.5°	29.4	33.6	42.0	42.0	42.0	42.0	67.3	92.5	100.9	71.5	71.5
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)