

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: P479655

Luminaire Tested: **IFLD-S-SA6C-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479655
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

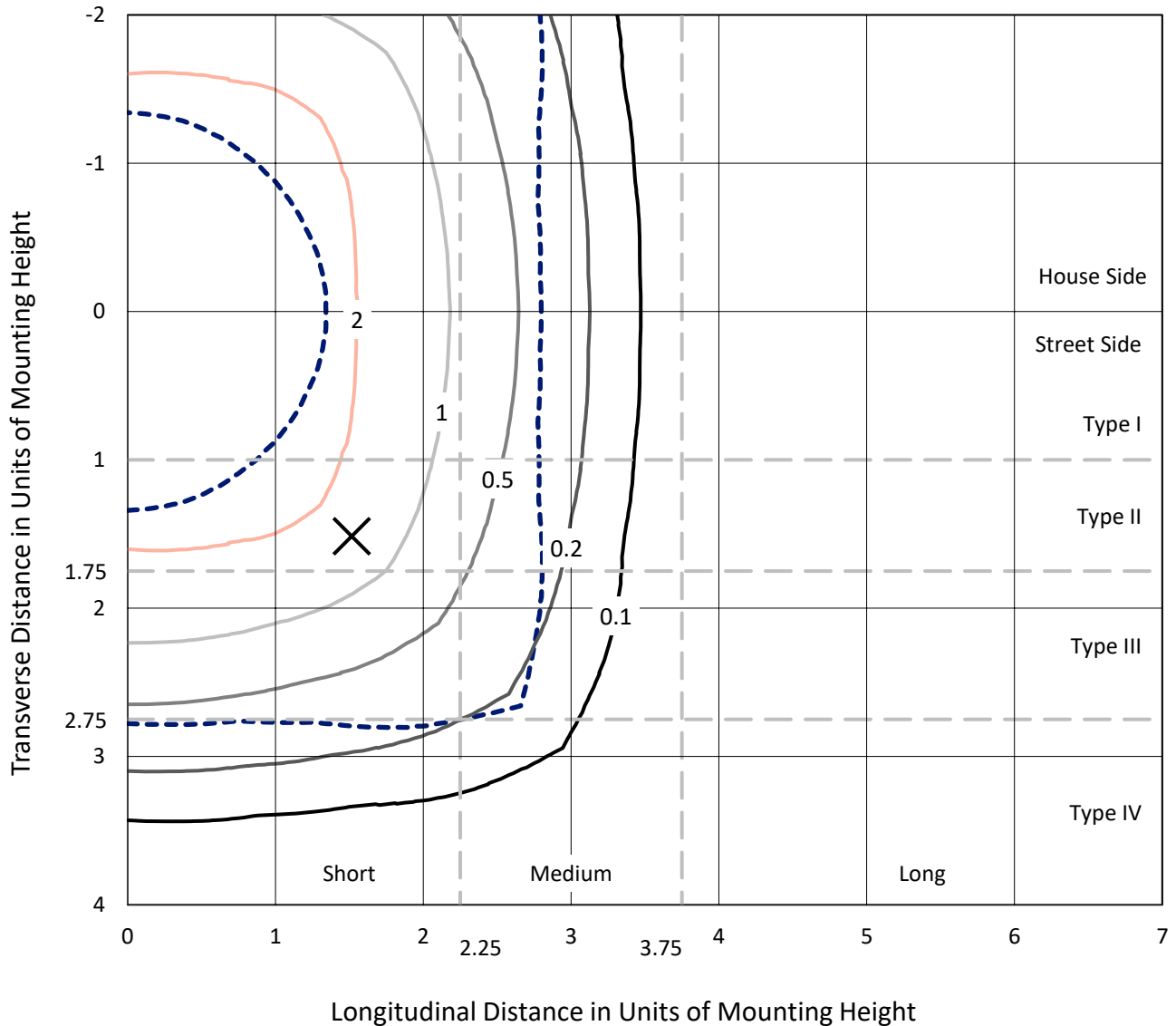
Lumens per Lamp: N/A
Luminaire Lumens: 38828.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 321.5
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

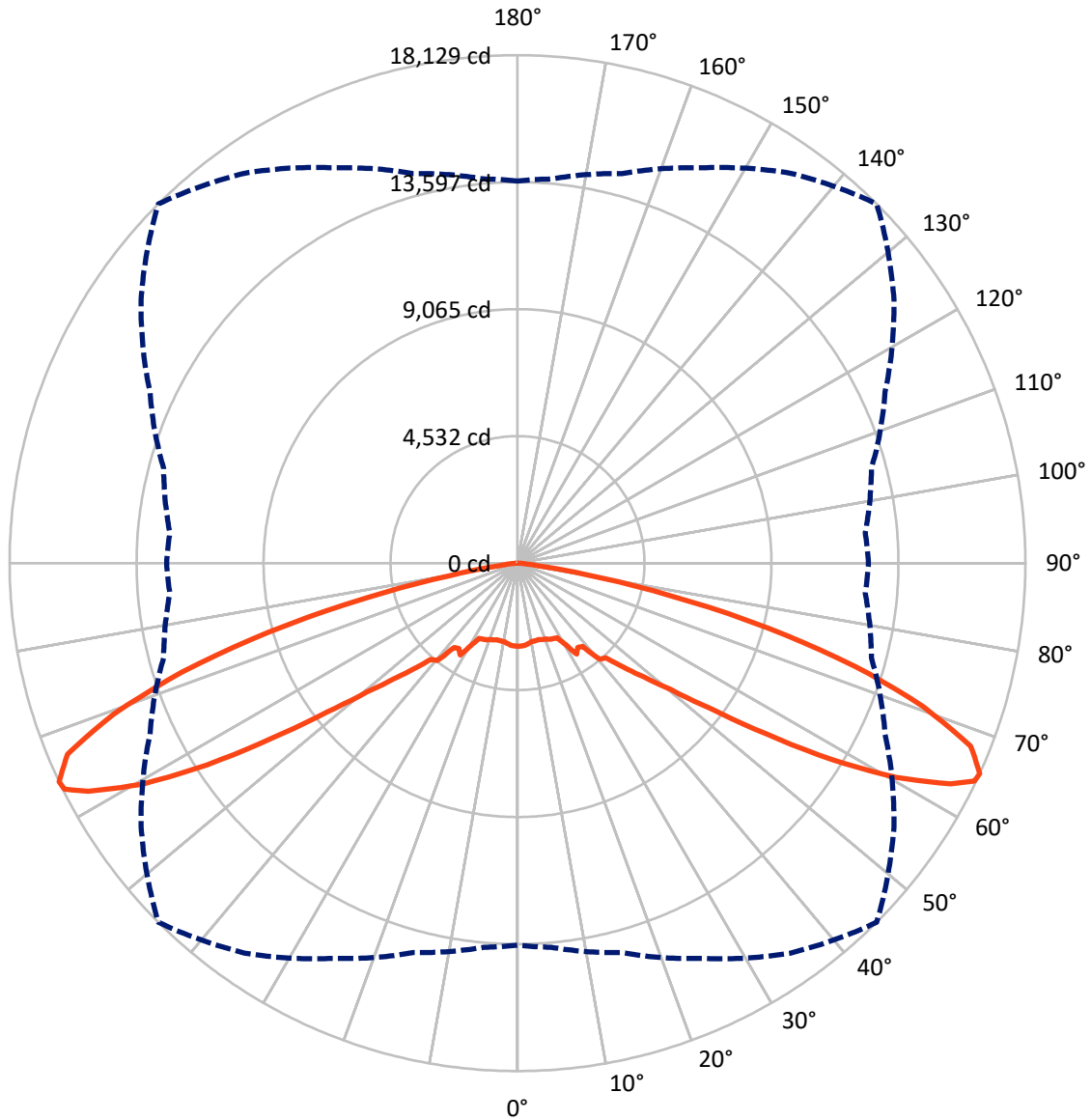
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.3 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	19414.0	0.0	19414.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19414.0	0.0	19414.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38828.1	0.0	38828.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.6	0.7
10°-20°	818.3	2.1
20°-30°	1416.5	3.6
30°-40°	2355.3	6.1
40°-50°	4249.4	10.9
50°-60°	9466.2	24.4
60°-70°	14107.7	36.3
70°-80°	5846.4	15.1
80°-90°	289.6	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°	38828.1	100.0
0°-180°	38828.1	100.0

Coefficient of Utilization



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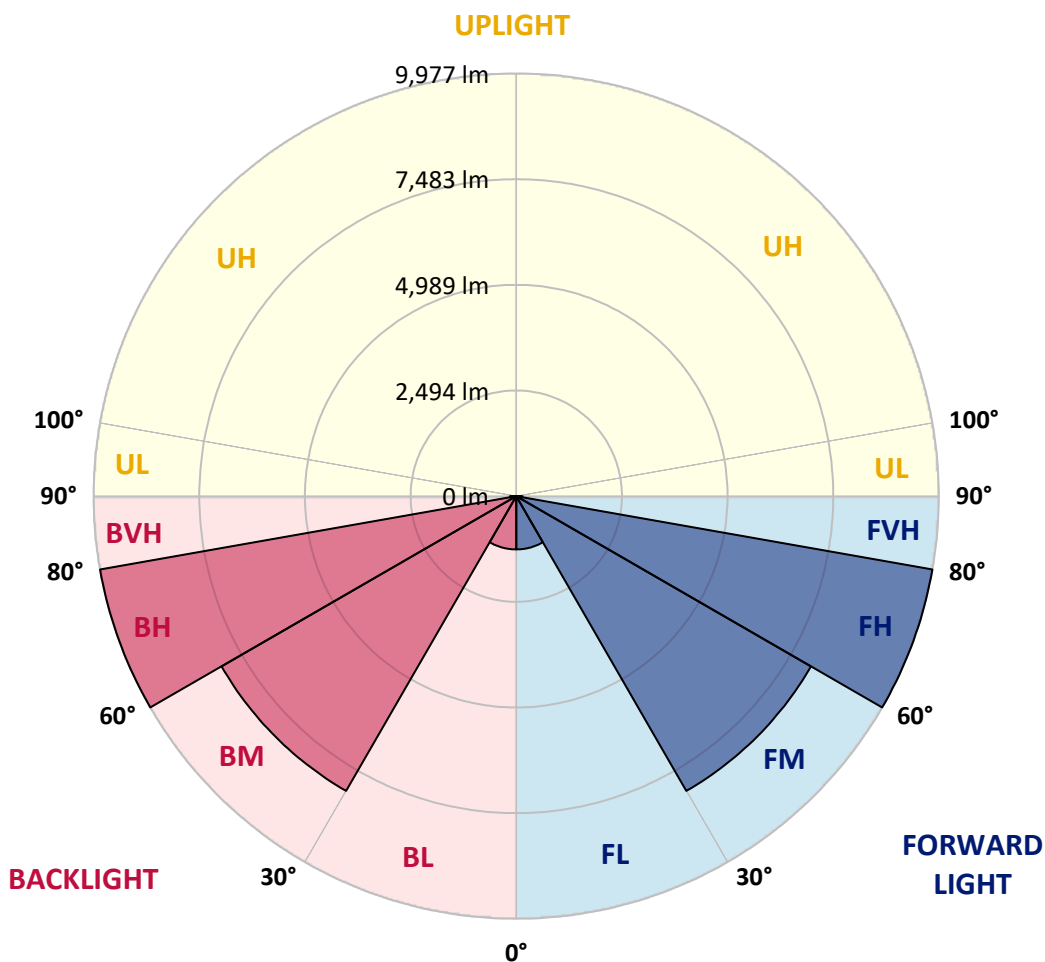
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1256.7	3.2			
FM (30°-60°)	8035.5	20.7			
FH (60°-80°)	9977.1	25.7			G4/12000
FVH (80°-90°)	144.8	0.4			G2/225
BL (0°-30°)	1256.7	3.2	B3/2500		
BM (30°-60°)	8035.5	20.7	B4/8500		
BH (60°-80°)	9977.1	25.7	B5		G4/12000
BVH (80°-90°)	144.8	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°	2968.6	2968.6	2968.6	2968.6	2968.6	2968.6	2968.6	2968.6	2968.6	2968.6	2968.6
2.5°	2934.3	2942.9	2938.6	2938.6	2951.5	2960.1	2964.4	3007.3	2990.1	3003.0	2990.1
5°	2942.9	2942.9	2951.5	2942.9	2951.5	2942.9	2951.5	2938.6	2951.5	2960.1	2972.9
7.5°	2925.7	2917.2	2904.3	2904.3	2900.0	2891.4	2878.6	2912.9	2895.7	2908.6	2930.0
10°	2930.0	2917.2	2874.3	2882.8	2844.2	2844.2	2852.8	2852.8	2891.4	2934.3	2947.2
12.5°	2930.0	2904.3	2891.4	2835.7	2835.7	2839.9	2861.4	2870.0	2895.7	2912.9	2955.8
15°	2930.0	2917.2	2895.7	2822.8	2839.9	2831.4	2852.8	2852.8	2908.6	2938.6	2960.1
17.5°	2947.2	2955.8	2917.2	2848.5	2852.8	2870.0	2857.1	2870.0	2938.6	2960.1	2990.1
20°	2951.5	2917.2	2904.3	2861.4	2900.0	2891.4	2887.1	2912.9	2934.3	2972.9	3007.3
22.5°	2942.9	2955.8	2904.3	2900.0	2934.3	2951.5	2960.1	2930.0	2955.8	2981.5	3011.5
25°	3015.8	2968.6	2955.8	2947.2	2964.4	2981.5	2972.9	2998.7	2998.7	3028.7	3067.3
27.5°	3213.2	3217.5	3191.7	3088.8	3054.4	3015.8	3033.0	3101.6	3183.1	3247.5	3260.4
30°	3303.3	3320.4	3389.1	3371.9	3359.0	3371.9	3367.6	3384.8	3393.3	3397.6	3384.8
32.5°	3384.8	3376.2	3346.2	3423.4	3676.5	3869.5	3685.1	3432.0	3376.2	3359.0	3376.2
35°	3680.8	3680.8	3616.4	3517.8	3650.7	3697.9	3612.1	3492.0	3560.7	3702.2	3710.8
37.5°	4062.6	4006.8	4032.6	4019.7	3873.8	3770.9	3921.0	3998.2	4011.1	4006.8	4049.7
40°	4289.9	4251.3	4212.7	4281.4	4414.4	4508.7	4375.7	4191.3	4238.5	4332.8	4294.2
42.5°	4809.0	4710.4	4718.9	4650.3	4646.0	4616.0	4586.0	4598.8	4667.5	4774.7	4791.9
45°	5341.0	5388.2	5358.1	5229.4	5289.5	5289.5	5203.7	5268.1	5302.4	5426.8	5443.9
47.5°	6173.2	6151.8	6164.7	6048.8	6044.5	6074.6	6044.5	6048.8	6156.1	6147.5	6100.3
50°	7147.1	7207.1	7224.3	7168.5	7099.9	7087.0	7039.8	7099.9	7164.2	7168.5	7129.9
52.5°	8494.1	8558.4	8558.4	8575.6	8661.4	8618.5	8609.9	8614.2	8489.8	8404.0	8446.9
55°	10192.9	10214.4	10287.3	10437.4	10699.1	10733.4	10570.4	10497.5	10270.1	10132.9	10240.1
57.5°	11870.3	11956.1	12157.7	12548.1	12869.8	13221.6	12749.7	12269.3	11823.1	11604.3	11642.9
60°	13264.5	13388.9	13775.0	14319.8	15212.2	15533.9	14736.0	13912.3	13007.1	12337.9	12608.2
62.5°	13920.9	14113.9	14440.0	15542.5	16880.9	17344.3	16173.1	14675.9	13303.1	12659.6	12646.8
64°	13925.2	13955.2	14607.3	15795.6	17172.7	18069.3	16520.6	14675.9	13376.1	12582.4	12728.3
65°	13637.7	13762.2	14392.8	15563.9	16988.2	18129.3	16400.5	14474.3	13075.8	12458.0	12526.6
67.5°	12333.6	12329.3	12912.7	14075.3	16053.0	17447.2	15379.5	13346.0	12333.6	11664.4	11745.9
70°	9356.4	9506.5	10064.2	11492.8	13890.9	15383.8	13449.0	11342.6	10081.4	9545.1	9515.1
72.5°	5598.4	5795.7	6507.9	8249.6	10789.2	12603.9	10673.4	8391.1	6872.5	6023.1	6044.5
75°	2552.5	2698.4	3187.4	4607.4	7190.0	9214.8	7232.9	4851.9	3479.1	2938.6	2861.4
77.5°	716.4	806.5	1076.8	2114.9	3946.8	5525.5	4058.3	2338.0	1518.6	1261.2	1235.5
80°	321.7	338.9	381.8	514.8	1252.7	2436.7	1677.4	858.0	570.6	471.9	450.4
82.5°	175.9	188.8	248.8	266.0	356.1	647.8	553.4	403.3	343.2	274.6	266.0
85°	98.7	103.0	141.6	141.6	171.6	188.8	201.6	214.5	210.2	154.4	150.1
87.5°	30.0	34.3	42.9	42.9	42.9	42.9	68.6	94.4	103.0	72.9	72.9
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)