

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: P479771

Luminaire Tested: **IFLD-S-SA6B-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479771
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

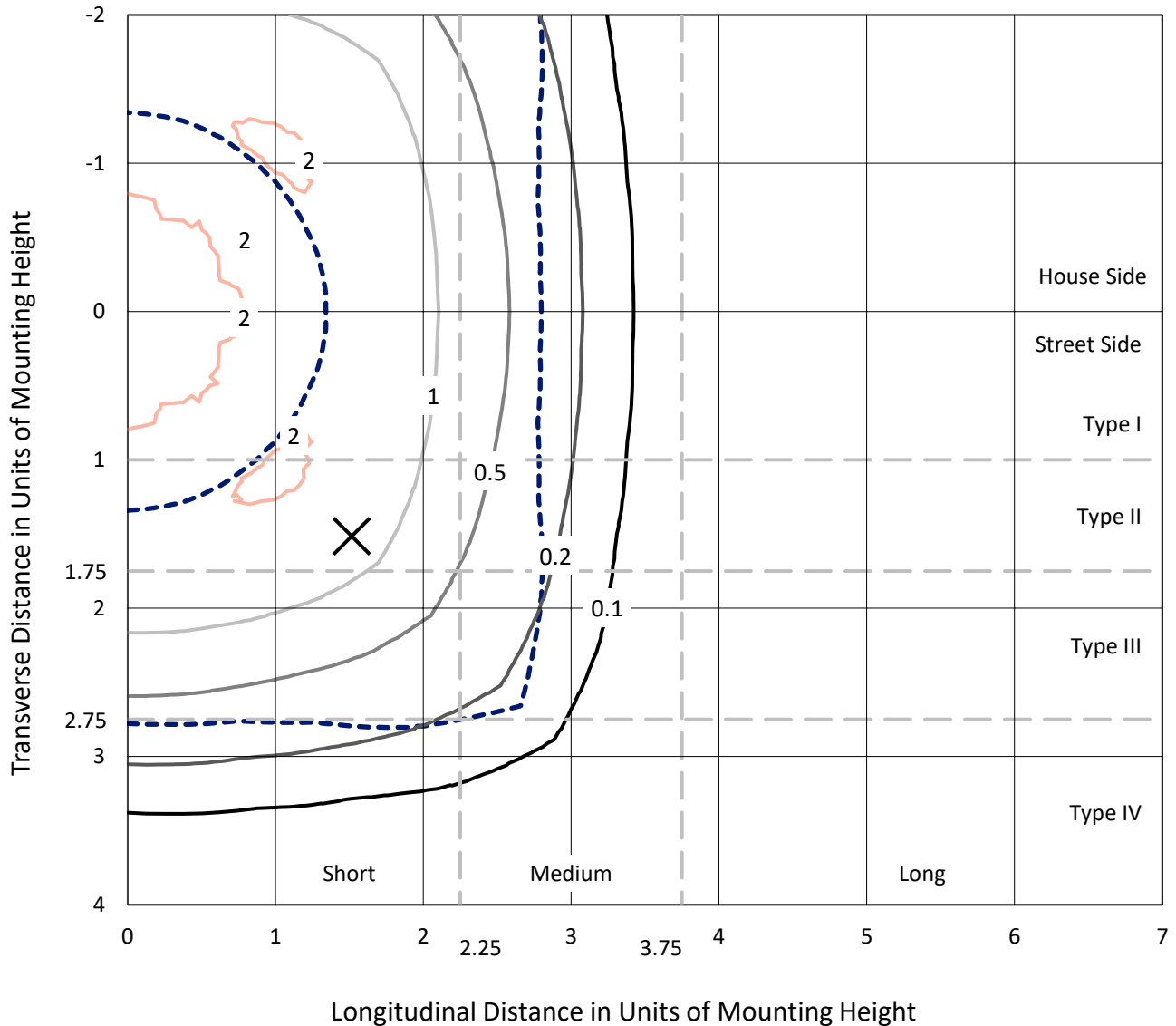
Lumens per Lamp: N/A
Luminaire Lumens: 35038.3 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 244.9
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

REPORT NUMBER: P479771
 CATALOG NUMBER: IFLD-S-SA6B-750-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

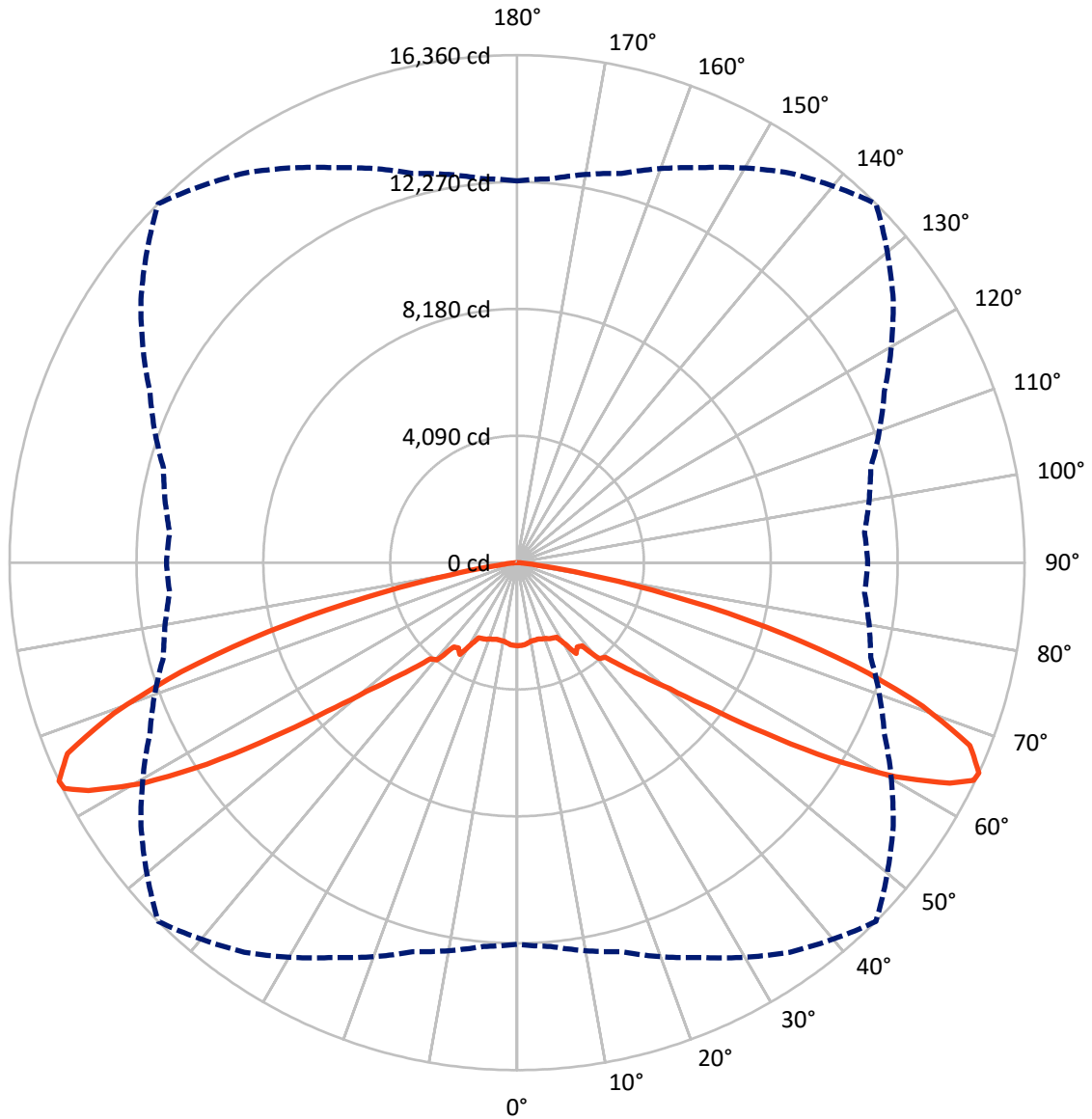
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

REPORT NUMBER: P479771
CATALOG NUMBER: IFLD-S-SA6B-750-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479771

CATALOG NUMBER: IFLD-S-SA6B-750-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17519.2	0.0	17519.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17519.2	0.0	17519.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	35038.3	0.0	35038.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	0.7
10°-20°	738.5	2.1
20°-30°	1278.2	3.6
30°-40°	2125.4	6.1
40°-50°	3834.6	10.9
50°-60°	8542.3	24.4
60°-70°	12730.8	36.3
70°-80°	5275.8	15.1
80°-90°	261.3	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°	35038.3	100.0
0°-180°	35038.3	100.0

Coefficient of Utilization



REPORT NUMBER: P479771

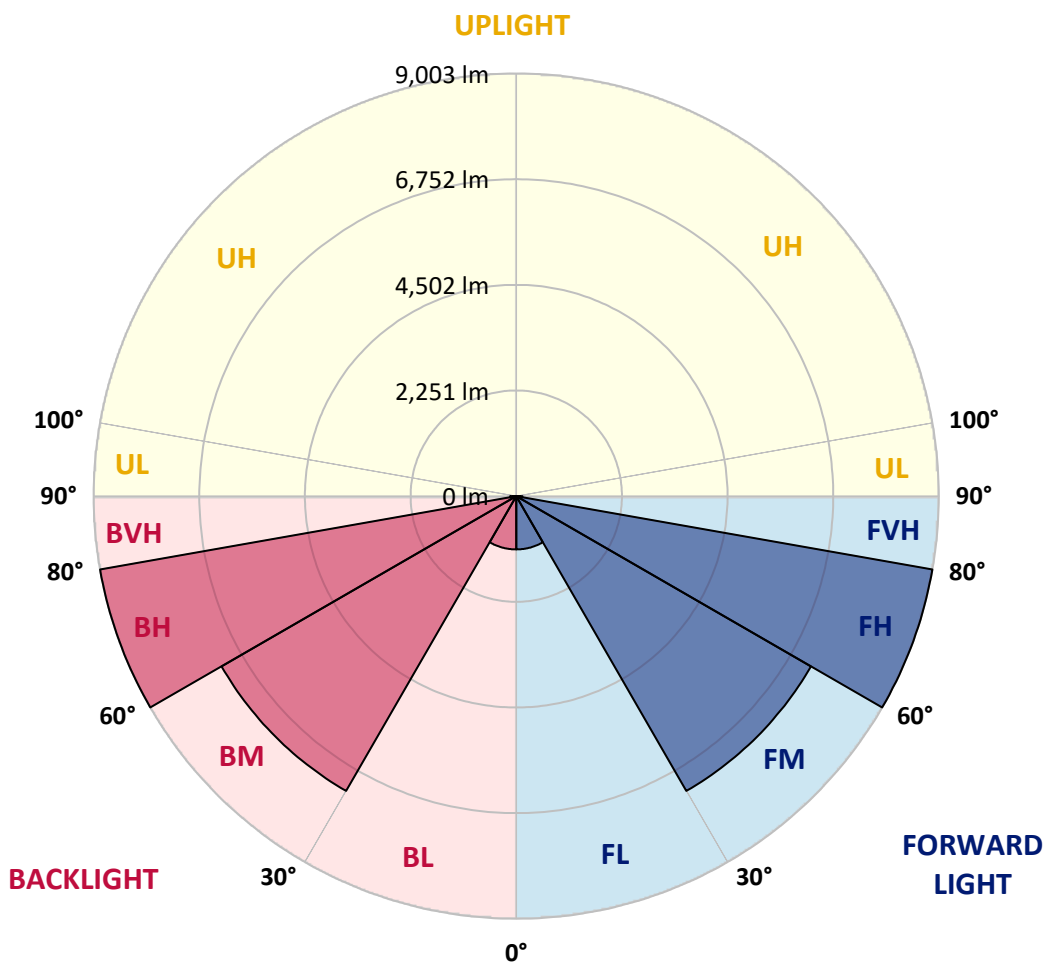
CATALOG NUMBER: IFLD-S-SA6B-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1134.1	3.2			
FM (30°-60°)	7251.2	20.7			
FH (60°-80°)	9003.3	25.7			G4/12000
FVH (80°-90°)	130.7	0.4			G2/225
BL (0°-30°)	1134.1	3.2	B3/2500		
BM (30°-60°)	7251.2	20.7	B4/8500		
BH (60°-80°)	9003.3	25.7	B5		G4/12000
BVH (80°-90°)	130.7	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





REPORT NUMBER: P479771
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9	2678.9
2.5°	2647.9	2655.7	2651.8	2651.8	2663.4	2671.2	2675.0	2713.7	2698.3	2709.9	2698.3
5°	2655.7	2655.7	2663.4	2655.7	2663.4	2655.7	2663.4	2651.8	2663.4	2671.2	2682.8
7.5°	2640.2	2632.4	2620.8	2620.8	2617.0	2609.2	2597.6	2628.6	2613.1	2624.7	2644.1
10°	2644.1	2632.4	2593.7	2601.5	2566.6	2566.6	2574.4	2574.4	2609.2	2647.9	2659.5
12.5°	2644.1	2620.8	2609.2	2558.9	2558.9	2562.8	2582.1	2589.9	2613.1	2628.6	2667.3
15°	2644.1	2632.4	2613.1	2547.3	2562.8	2555.0	2574.4	2574.4	2624.7	2651.8	2671.2
17.5°	2659.5	2667.3	2632.4	2570.5	2574.4	2589.9	2578.2	2589.9	2651.8	2671.2	2698.3
20°	2663.4	2632.4	2620.8	2582.1	2617.0	2609.2	2605.3	2628.6	2647.9	2682.8	2713.7
22.5°	2655.7	2667.3	2620.8	2617.0	2647.9	2663.4	2671.2	2644.1	2667.3	2690.5	2717.6
25°	2721.5	2678.9	2667.3	2659.5	2675.0	2690.5	2682.8	2706.0	2706.0	2733.1	2767.9
27.5°	2899.6	2903.4	2880.2	2787.3	2756.3	2721.5	2737.0	2798.9	2872.5	2930.5	2942.1
30°	2980.9	2996.3	3058.3	3042.8	3031.2	3042.8	3038.9	3054.4	3062.1	3066.0	3054.4
32.5°	3054.4	3046.7	3019.6	3089.2	3317.6	3491.9	3325.4	3097.0	3046.7	3031.2	3046.7
35°	3321.5	3321.5	3263.5	3174.4	3294.4	3337.0	3259.6	3151.2	3213.1	3340.9	3348.6
37.5°	3666.1	3615.7	3639.0	3627.3	3495.7	3402.8	3538.3	3608.0	3619.6	3615.7	3654.4
40°	3871.2	3836.4	3801.6	3863.5	3983.5	4068.7	3948.7	3782.2	3824.8	3909.9	3875.1
42.5°	4339.7	4250.6	4258.4	4196.4	4192.5	4165.4	4138.4	4150.0	4211.9	4308.7	4324.2
45°	4819.7	4862.3	4835.2	4719.0	4773.2	4773.2	4695.8	4753.9	4784.8	4897.1	4912.6
47.5°	5570.7	5551.4	5563.0	5458.4	5454.6	5481.7	5454.6	5458.4	5555.2	5547.5	5504.9
50°	6449.5	6503.7	6519.2	6468.8	6406.9	6395.3	6352.7	6406.9	6465.0	6468.8	6434.0
52.5°	7665.0	7723.1	7723.1	7738.6	7816.0	7777.3	7769.6	7773.4	7661.2	7583.8	7622.5
55°	9198.1	9217.4	9283.2	9418.7	9654.9	9685.8	9538.7	9472.9	9267.7	9143.9	9240.6
57.5°	10711.7	10789.1	10971.1	11323.4	11613.7	11931.1	11505.3	11071.7	10669.1	10471.7	10506.5
60°	11969.9	12082.1	12430.5	12922.2	13727.4	14017.7	13297.7	12554.4	11737.6	11133.7	11377.6
62.5°	12562.2	12736.4	13030.6	14025.5	15233.3	15651.4	14594.6	13243.5	12004.7	11424.0	11412.4
64°	12566.0	12593.1	13181.6	14253.9	15496.6	16305.6	14908.1	13243.5	12070.5	11354.3	11486.0
65°	12306.7	12418.9	12988.0	14044.8	15330.1	16359.8	14799.7	13061.5	11799.5	11242.1	11304.0
67.5°	11129.8	11125.9	11652.4	12701.5	14486.2	15744.3	13878.4	12043.4	11129.8	10525.9	10599.4
70°	8443.2	8578.7	9081.9	10371.0	12535.1	13882.3	12136.3	10235.5	9097.4	8613.5	8586.4
72.5°	5052.0	5230.0	5872.7	7444.4	9736.2	11373.7	9631.6	7572.1	6201.7	5435.2	5454.6
75°	2303.4	2435.0	2876.3	4157.7	6488.2	8315.4	6526.9	4378.4	3139.6	2651.8	2582.1
77.5°	646.5	727.8	971.7	1908.5	3561.5	4986.2	3662.2	2109.8	1370.4	1138.1	1114.9
80°	290.3	305.8	344.5	464.5	1130.4	2198.9	1513.7	774.2	514.9	425.8	406.5
82.5°	158.7	170.3	224.5	240.0	321.3	584.6	499.4	363.9	309.7	247.8	240.0
85°	89.0	92.9	127.8	127.8	154.8	170.3	181.9	193.6	189.7	139.4	135.5
87.5°	27.1	31.0	38.7	38.7	38.7	38.7	61.9	85.2	92.9	65.8	65.8
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)