

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: P479733

Luminaire Tested: **IFLD-S-SA6C-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479733
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

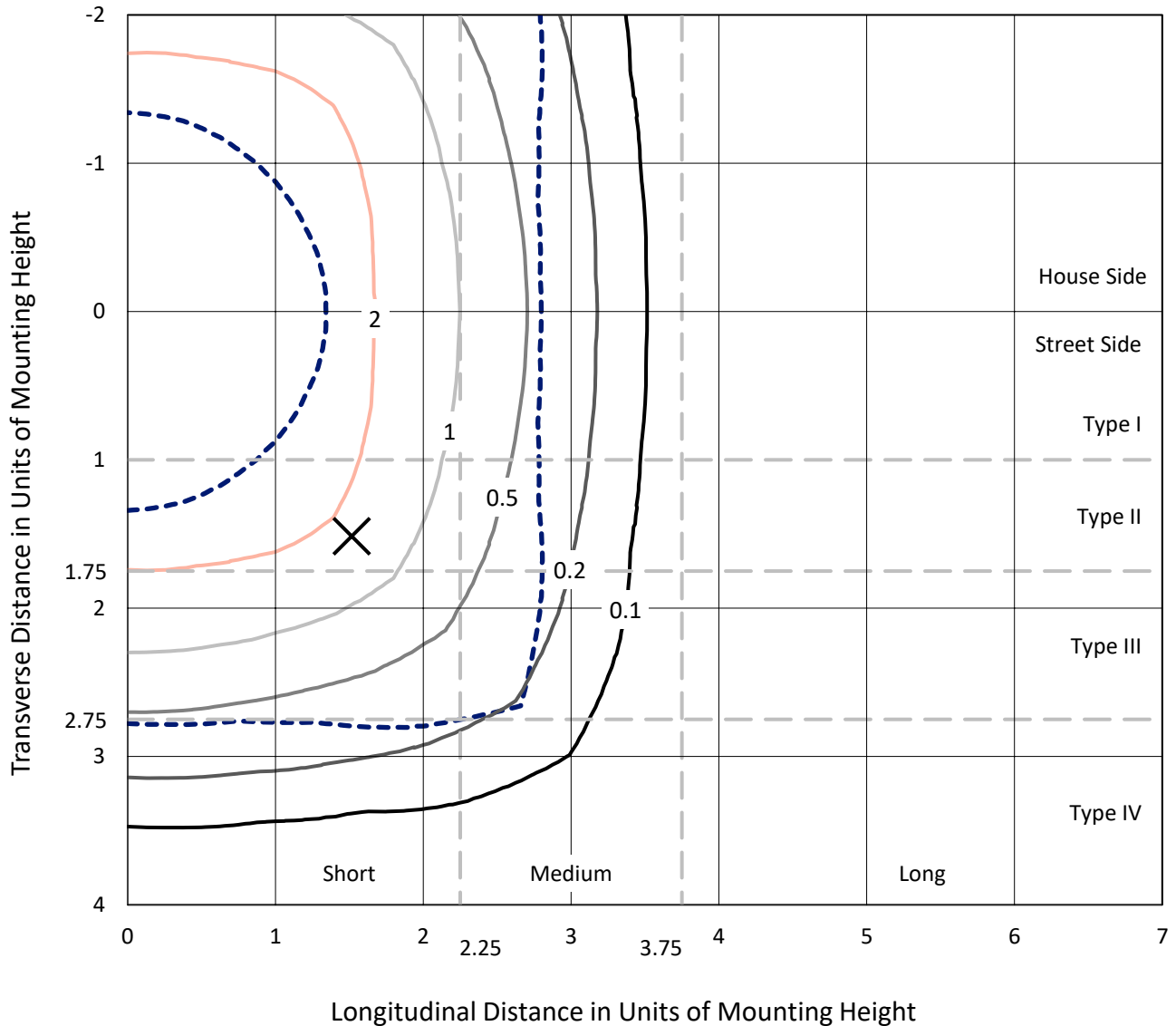
Lumens per Lamp: N/A
Luminaire Lumens: 42640.1 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

REPORT NUMBER: P479733
 CATALOG NUMBER: IFLD-S-SA6C-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

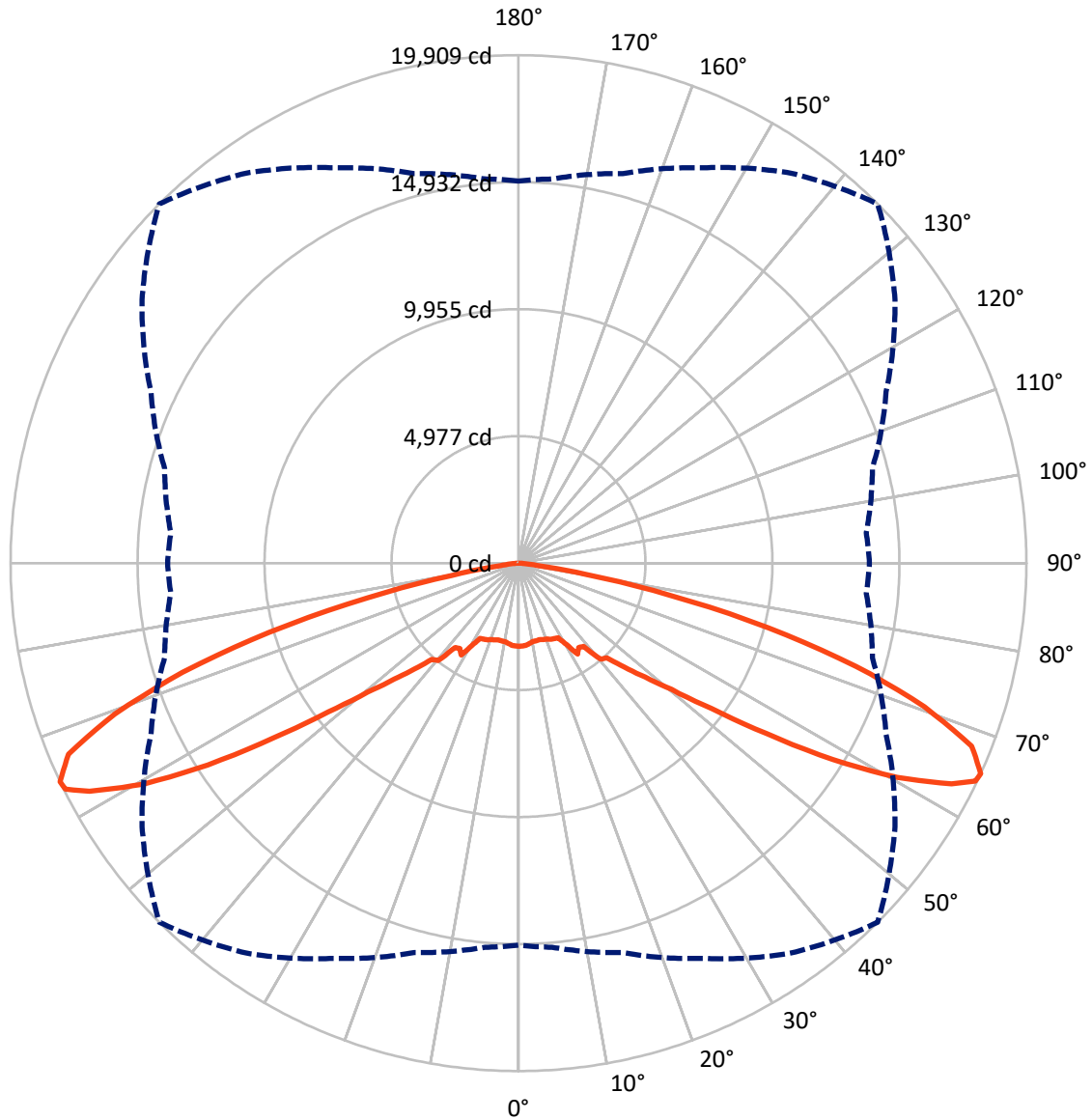
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P479733
CATALOG NUMBER: IFLD-S-SA6C-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479733

CATALOG NUMBER: IFLD-S-SA6C-740-U-5WQ

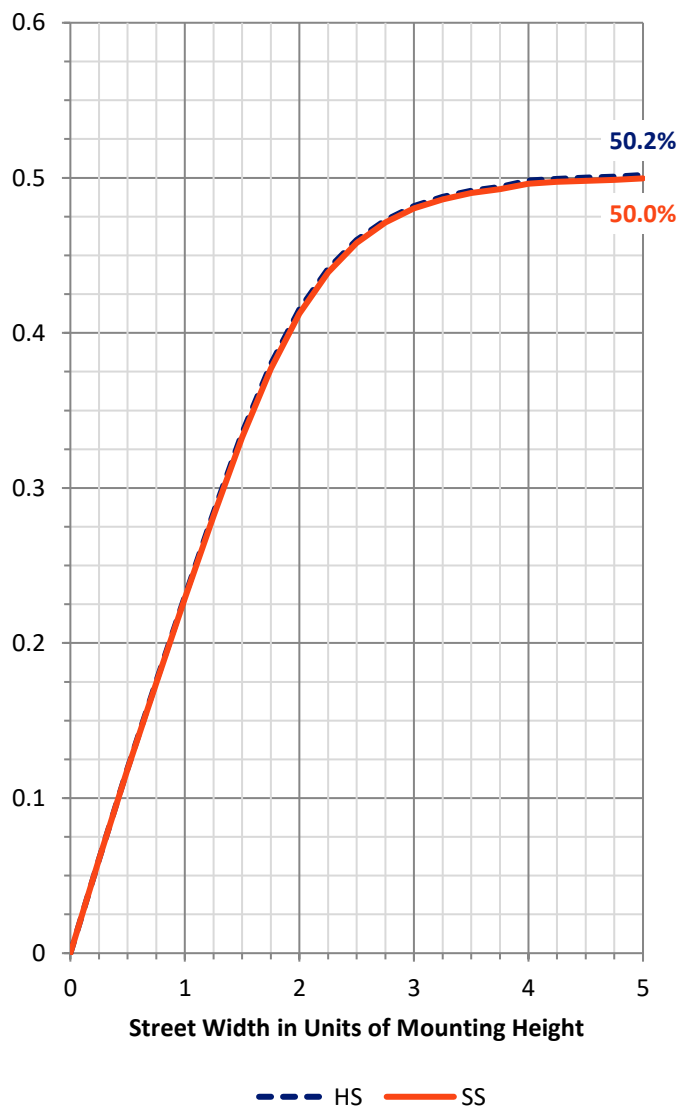
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21320.1	0.0	21320.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21320.1	0.0	21320.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	42640.1	0.0	42640.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.9	0.7
10°-20°	898.7	2.1
20°-30°	1555.6	3.6
30°-40°	2586.6	6.1
40°-50°	4666.6	10.9
50°-60°	10395.6	24.4
60°-70°	15492.8	36.3
70°-80°	6420.4	15.1
80°-90°	318.0	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°	42640.1	100.0
0°-180°	42640.1	100.0

Coefficient of Utilization



REPORT NUMBER: P479733

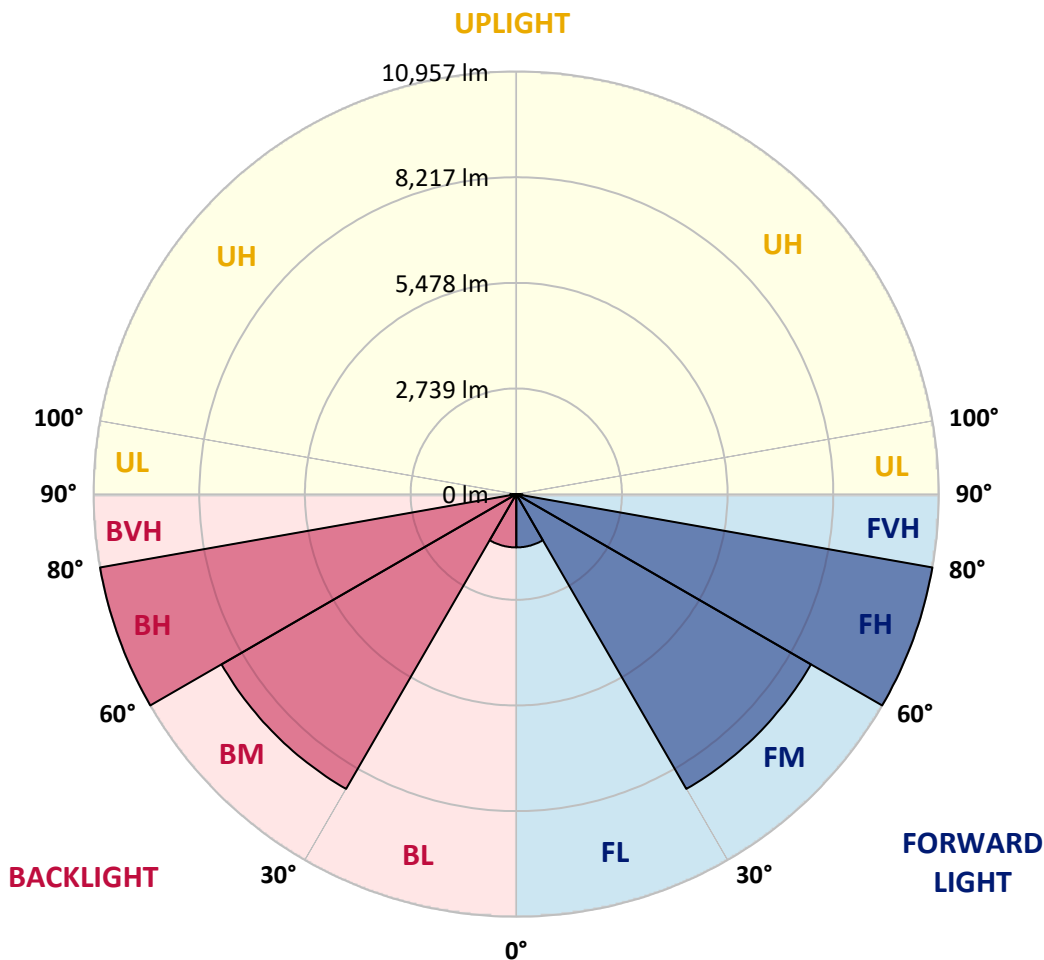
CATALOG NUMBER: IFLD-S-SA6C-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1380.1	3.2			
FM (30°-60°)	8824.4	20.7			
FH (60°-80°)	10956.6	25.7			G4/12000
FVH (80°-90°)	159.0	0.4			G2/225
BL (0°-30°)	1380.1	3.2	B3/2500		
BM (30°-60°)	8824.4	20.7	B5		
BH (60°-80°)	10956.6	25.7	B5		G4/12000
BVH (80°-90°)	159.0	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: P479733
 CATALOG NUMBER: IFLD-S-SA6C-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3260.1	3260.1	3260.1	3260.1	3260.1	3260.1	3260.1	3260.1	3260.1	3260.1	3260.1
2.5°	3222.4	3231.8	3227.1	3227.1	3241.3	3250.7	3255.4	3302.5	3283.7	3297.8	3283.7
5°	3231.8	3231.8	3241.3	3231.8	3241.3	3231.8	3241.3	3227.1	3241.3	3250.7	3264.8
7.5°	3213.0	3203.6	3189.4	3189.4	3184.7	3175.3	3161.2	3198.9	3180.0	3194.1	3217.7
10°	3217.7	3203.6	3156.5	3165.9	3123.5	3123.5	3132.9	3132.9	3175.3	3222.4	3236.5
12.5°	3217.7	3189.4	3175.3	3114.1	3114.1	3118.8	3142.3	3151.7	3180.0	3198.9	3246.0
15°	3217.7	3203.6	3180.0	3099.9	3118.8	3109.3	3132.9	3132.9	3194.1	3227.1	3250.7
17.5°	3236.5	3246.0	3203.6	3128.2	3132.9	3151.7	3137.6	3151.7	3227.1	3250.7	3283.7
20°	3241.3	3203.6	3189.4	3142.3	3184.7	3175.3	3170.6	3198.9	3222.4	3264.8	3302.5
22.5°	3231.8	3246.0	3189.4	3184.7	3222.4	3241.3	3250.7	3217.7	3246.0	3274.2	3307.2
25°	3311.9	3260.1	3246.0	3236.5	3255.4	3274.2	3264.8	3293.1	3293.1	3326.1	3368.5
27.5°	3528.6	3533.3	3505.1	3392.0	3354.3	3311.9	3330.8	3406.1	3495.7	3566.3	3580.5
30°	3627.6	3646.4	3721.8	3702.9	3688.8	3702.9	3698.2	3717.1	3726.5	3731.2	3717.1
32.5°	3717.1	3707.7	3674.7	3759.5	4037.4	4249.4	4046.9	3768.9	3707.7	3688.8	3707.7
35°	4042.1	4042.1	3971.5	3863.1	4009.2	4061.0	3966.8	3834.9	3910.2	4065.7	4075.1
37.5°	4461.4	4400.2	4428.5	4414.3	4254.1	4141.1	4306.0	4390.8	4404.9	4400.2	4447.3
40°	4711.1	4668.7	4626.3	4701.7	4847.7	4951.4	4805.3	4602.8	4654.6	4758.2	4715.8
42.5°	5281.2	5172.8	5182.2	5106.9	5102.1	5069.2	5036.2	5050.3	5125.7	5243.5	5262.3
45°	5865.3	5917.2	5884.2	5742.9	5808.8	5808.8	5714.6	5785.3	5822.9	5959.6	5978.4
47.5°	6779.3	6755.7	6769.9	6642.7	6638.0	6670.9	6638.0	6642.7	6760.5	6751.0	6699.2
50°	7848.7	7914.7	7933.5	7872.3	7796.9	7782.8	7731.0	7796.9	7867.6	7872.3	7829.9
52.5°	9328.0	9398.7	9398.7	9417.5	9511.8	9464.6	9455.2	9459.9	9323.3	9229.1	9276.2
55°	11193.6	11217.2	11297.3	11462.2	11749.5	11787.2	11608.2	11528.1	11278.4	11127.7	11245.4
57.5°	13035.7	13129.9	13351.3	13780.0	14133.4	14519.7	14001.5	13473.8	12983.9	12743.6	12786.0
60°	14566.8	14703.4	15127.4	15725.7	16705.6	17059.0	16182.7	15278.2	14284.1	13549.2	13846.0
62.5°	15287.6	15499.6	15857.6	17068.4	18538.3	19047.1	17760.9	16116.7	14609.2	13902.5	13888.4
64°	15292.3	15325.3	16041.4	17346.4	18858.6	19843.2	18142.5	16116.7	14689.3	13817.7	13977.9
65°	14976.7	15113.3	15805.8	17092.0	18656.0	19909.2	18010.6	15895.3	14359.5	13681.1	13756.5
67.5°	13544.5	13539.8	14180.5	15457.2	17629.0	19160.1	16889.4	14656.3	13544.5	12809.5	12899.1
70°	10275.0	10439.8	11052.3	12621.1	15254.6	16894.1	14769.4	12456.2	11071.1	10482.2	10449.3
72.5°	6148.0	6364.7	7146.8	9059.5	11848.5	13841.3	11721.3	9215.0	7547.2	6614.4	6638.0
75°	2803.1	2963.3	3500.4	5059.7	7895.8	10119.5	7943.0	5328.3	3820.7	3227.1	3142.3
77.5°	786.8	885.7	1182.5	2322.6	4334.2	6067.9	4456.7	2567.6	1667.7	1385.1	1356.8
80°	353.3	372.2	419.3	565.3	1375.6	2675.9	1842.0	942.2	626.6	518.2	494.7
82.5°	193.2	207.3	273.2	292.1	391.0	711.4	607.7	442.8	376.9	301.5	292.1
85°	108.4	113.1	155.5	155.5	188.4	207.3	221.4	235.6	230.8	169.6	164.9
87.5°	33.0	37.7	47.1	47.1	47.1	47.1	75.4	103.6	113.1	80.1	80.1
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)