

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: P479695

Luminaire Tested: **IFLD-S-SA6D-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479695
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

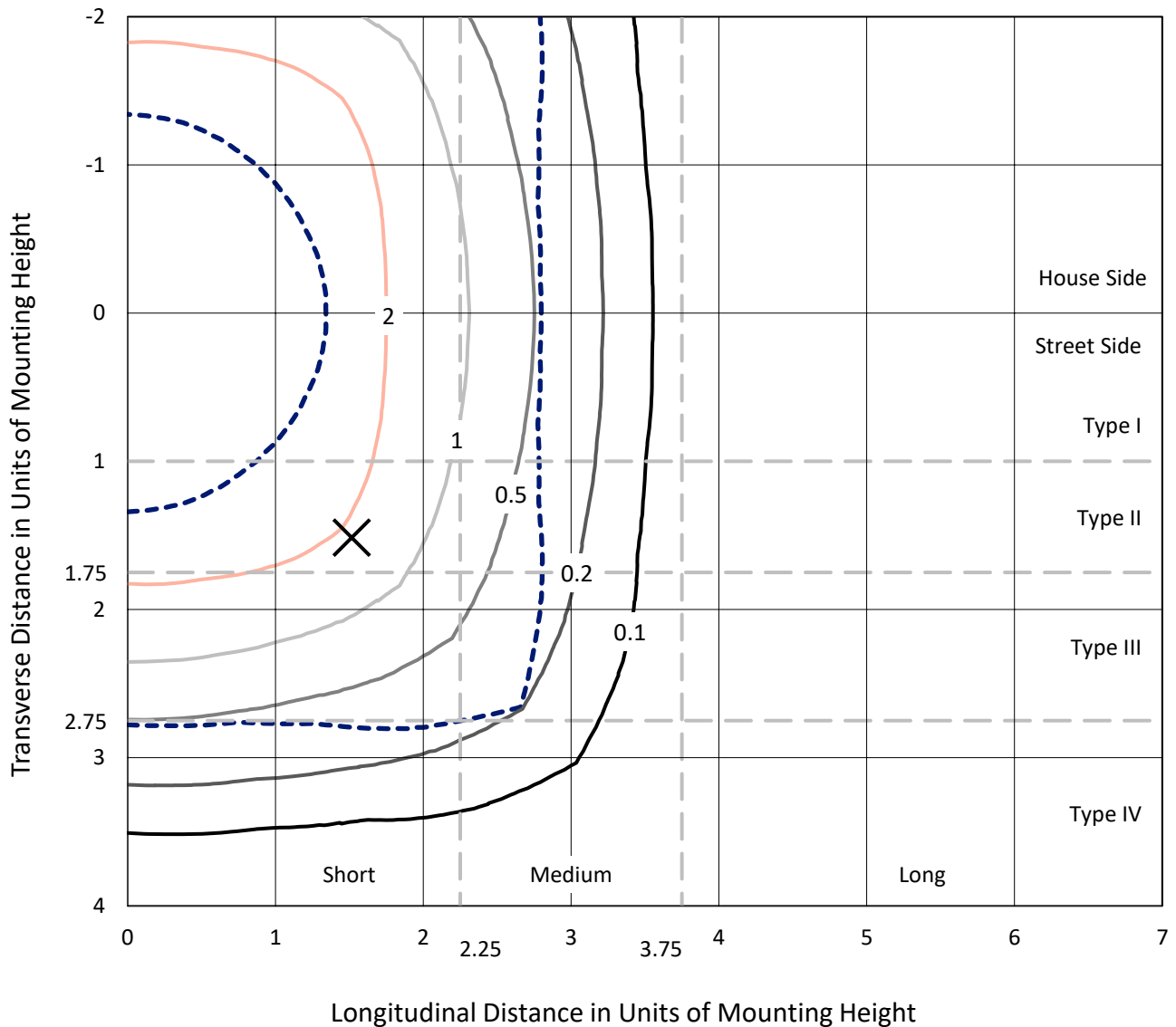
Lumens per Lamp: N/A
Luminaire Lumens: 46276.5 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 368.2
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

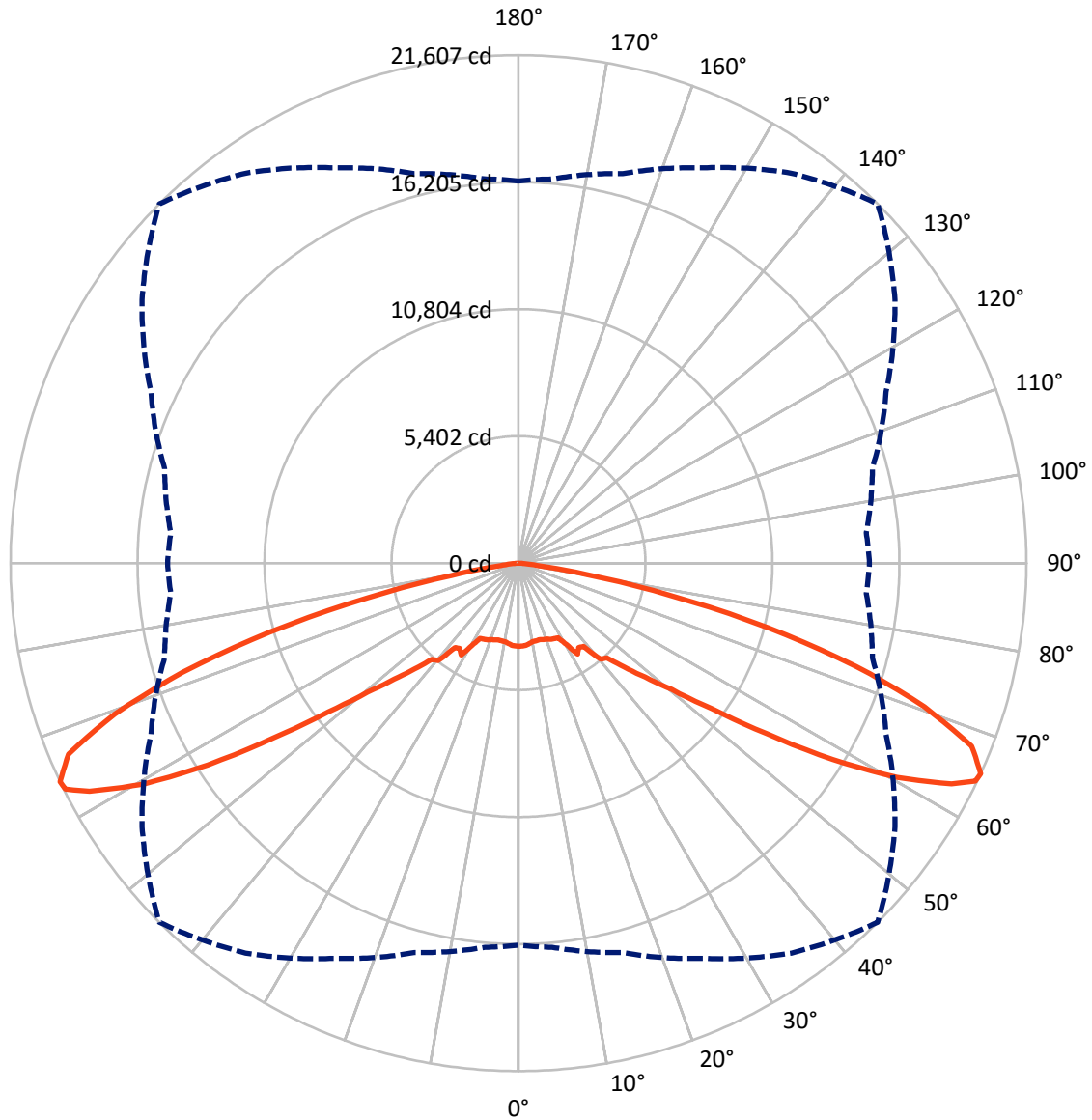
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.9 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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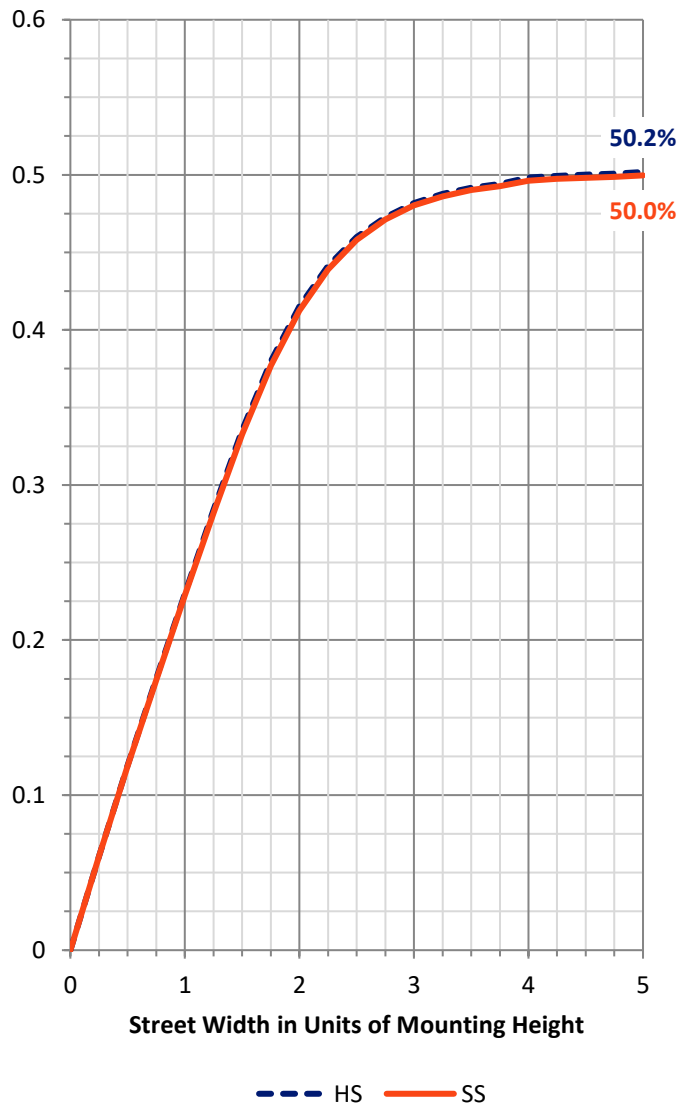
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23138.3	0.0	23138.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23138.3	0.0	23138.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	46276.5	0.0	46276.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.0	0.7
10°-20°	975.3	2.1
20°-30°	1688.2	3.6
30°-40°	2807.2	6.1
40°-50°	5064.6	10.9
50°-60°	11282.1	24.4
60°-70°	16814.0	36.3
70°-80°	6967.9	15.1
80°-90°	345.1	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°	46276.5	100.0
0°-180°	46276.5	100.0

Coefficient of Utilization



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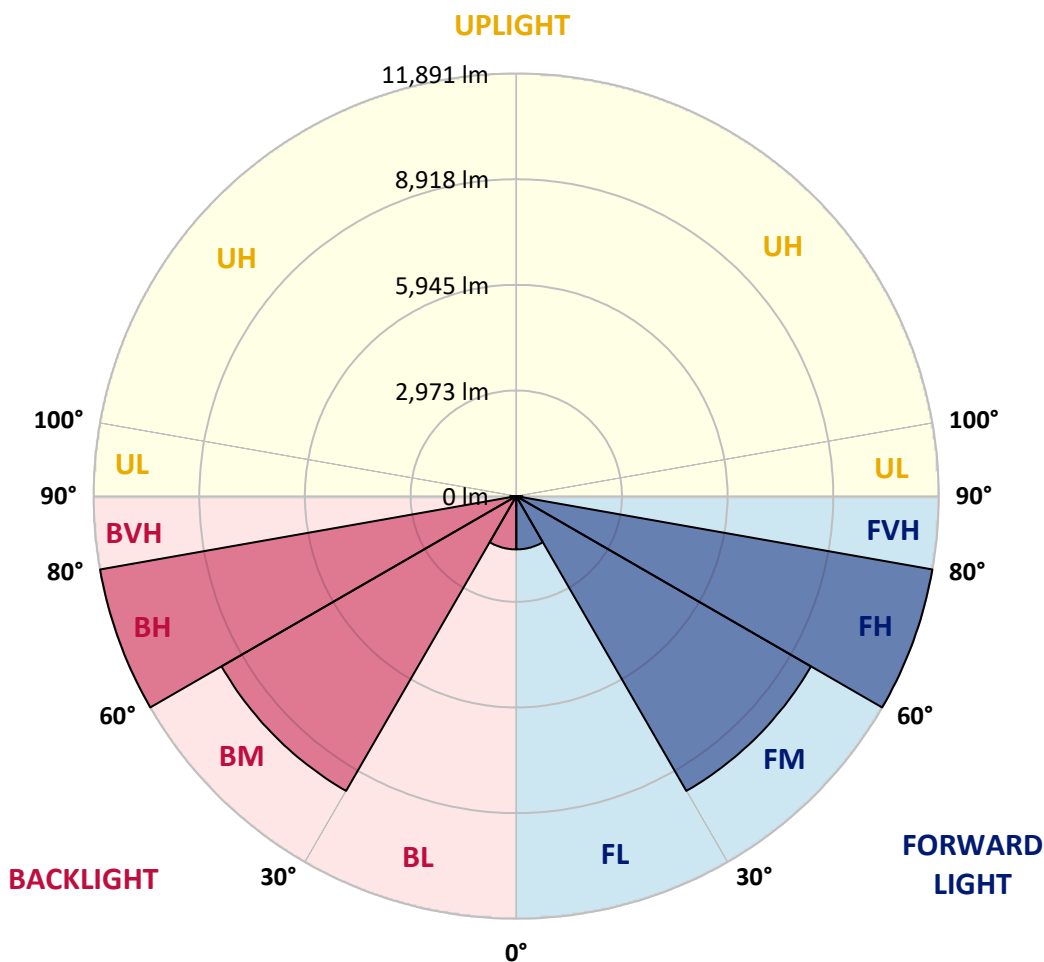
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1497.8	3.2			
FM (30°-60°)	9576.9	20.7			
FH (60°-80°)	11891.0	25.7			G4/12000
FVH (80°-90°)	172.6	0.4			G2/225
BL (0°-30°)	1497.8	3.2	B3/2500		
BM (30°-60°)	9576.9	20.7	B5		
BH (60°-80°)	11891.0	25.7	B5		G4/12000
BVH (80°-90°)	172.6	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°	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1	3538.1
2.5°	3497.2	3507.4	3502.3	3502.3	3517.7	3527.9	3533.0	3584.1	3563.7	3579.0	3563.7
5°	3507.4	3507.4	3517.7	3507.4	3517.7	3507.4	3517.7	3502.3	3517.7	3527.9	3543.2
7.5°	3487.0	3476.8	3461.4	3461.4	3456.3	3446.1	3430.8	3471.7	3451.2	3466.5	3492.1
10°	3492.1	3476.8	3425.6	3435.9	3389.9	3389.9	3400.1	3400.1	3446.1	3497.2	3512.6
12.5°	3492.1	3461.4	3446.1	3379.6	3379.6	3384.7	3410.3	3420.5	3451.2	3471.7	3522.8
15°	3492.1	3476.8	3451.2	3364.3	3384.7	3374.5	3400.1	3400.1	3466.5	3502.3	3527.9
17.5°	3512.6	3522.8	3476.8	3395.0	3400.1	3420.5	3405.2	3420.5	3502.3	3527.9	3563.7
20°	3517.7	3476.8	3461.4	3410.3	3456.3	3446.1	3441.0	3471.7	3497.2	3543.2	3584.1
22.5°	3507.4	3522.8	3461.4	3456.3	3497.2	3517.7	3527.9	3492.1	3522.8	3553.5	3589.3
25°	3594.4	3538.1	3522.8	3512.6	3533.0	3553.5	3543.2	3573.9	3573.9	3609.7	3655.7
27.5°	3829.6	3834.7	3804.0	3681.3	3640.4	3594.4	3614.8	3696.6	3793.8	3870.5	3885.8
30°	3936.9	3957.4	4039.2	4018.7	4003.4	4018.7	4013.6	4034.1	4044.3	4049.4	4034.1
32.5°	4034.1	4023.8	3988.1	4080.1	4381.8	4611.8	4392.0	4090.3	4023.8	4003.4	4023.8
35°	4386.9	4386.9	4310.2	4192.6	4351.1	4407.3	4305.1	4161.9	4243.7	4412.4	4422.7
37.5°	4841.9	4775.4	4806.1	4790.8	4616.9	4494.2	4673.2	4765.2	4780.6	4775.4	4826.6
40°	5112.9	5066.9	5020.9	5102.7	5261.2	5373.7	5215.2	4995.3	5051.5	5164.0	5118.0
42.5°	5731.6	5614.0	5624.2	5542.4	5537.3	5501.5	5465.7	5481.0	5562.8	5690.7	5711.1
45°	6365.6	6421.8	6386.0	6232.6	6304.2	6304.2	6201.9	6278.6	6319.5	6467.8	6488.3
47.5°	7357.5	7331.9	7347.2	7209.2	7204.1	7239.9	7204.1	7209.2	7337.0	7326.8	7270.5
50°	8518.1	8589.7	8610.1	8543.7	8461.8	8446.5	8390.3	8461.8	8538.5	8543.7	8497.6
52.5°	10123.5	10200.2	10200.2	10220.7	10322.9	10271.8	10261.6	10266.7	10118.4	10016.2	10067.3
55°	12148.2	12173.8	12260.7	12439.7	12751.6	12792.5	12598.2	12511.3	12240.3	12076.7	12204.5
57.5°	14147.4	14249.6	14489.9	14955.2	15338.7	15757.9	15195.5	14622.9	14091.1	13830.4	13876.4
60°	15809.1	15957.4	16417.5	17066.8	18130.3	18513.8	17562.8	16581.1	15502.3	14704.7	15026.8
62.5°	16591.4	16821.4	17210.0	18524.0	20119.2	20671.4	19275.6	17491.2	15855.1	15088.2	15072.8
64°	16596.5	16632.3	17409.4	18825.7	20466.9	21535.5	19689.8	17491.2	15942.0	14996.1	15170.0
65°	16253.9	16402.2	17153.8	18549.6	20247.1	21607.1	19546.6	17250.9	15584.1	14847.9	14929.7
67.5°	14699.6	14694.5	15389.8	16775.4	19132.5	20794.2	18329.7	15906.2	14699.6	13902.0	13999.1
70°	11151.2	11330.2	11994.9	13697.5	16555.6	18334.8	16028.9	13518.5	12015.3	11376.2	11340.4
72.5°	6672.3	6907.5	7756.3	9832.1	12858.9	15021.7	12720.9	10000.8	8190.9	7178.5	7204.1
75°	3042.2	3216.0	3798.9	5491.3	8569.2	10982.5	8620.3	5782.7	4146.6	3502.3	3410.3
77.5°	853.9	961.2	1283.3	2520.7	4703.9	6585.4	4836.8	2786.5	1810.0	1503.2	1472.5
80°	383.5	403.9	455.0	613.5	1493.0	2904.1	1999.1	1022.6	680.0	562.4	536.9
82.5°	209.6	225.0	296.5	317.0	424.4	772.0	659.6	480.6	409.0	327.2	317.0
85°	117.6	122.7	168.7	168.7	204.5	225.0	240.3	255.6	250.5	184.1	179.0
87.5°	35.8	40.9	51.1	51.1	51.1	51.1	81.8	112.5	122.7	86.9	86.9
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)