

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: P479705

Luminaire Tested: **IFLD-L-SA7D-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479705
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

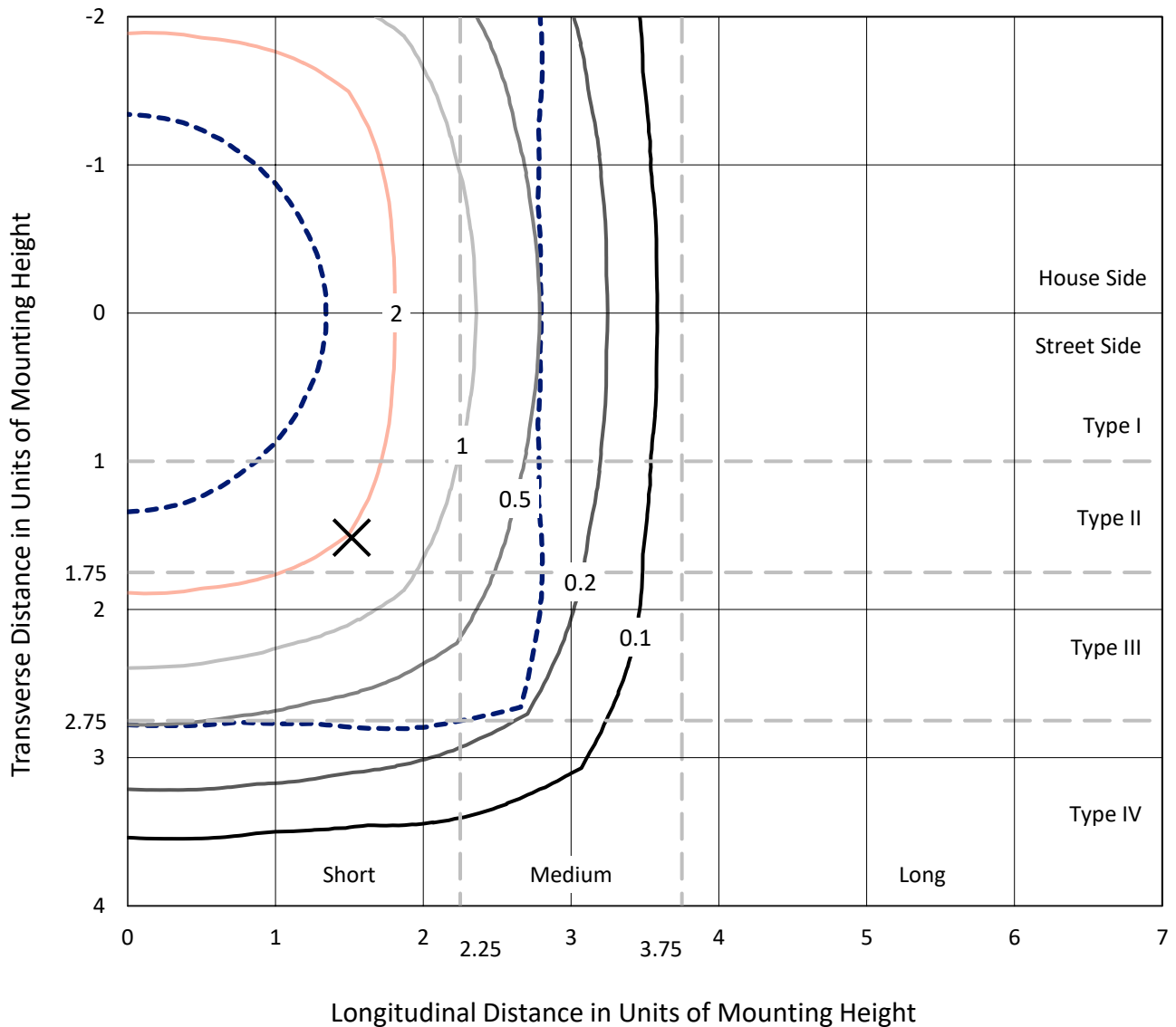
Lumens per Lamp: N/A
Luminaire Lumens: 49370.9 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 422.6
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: P479705
 CATALOG NUMBER: IFLD-L-SA7D-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

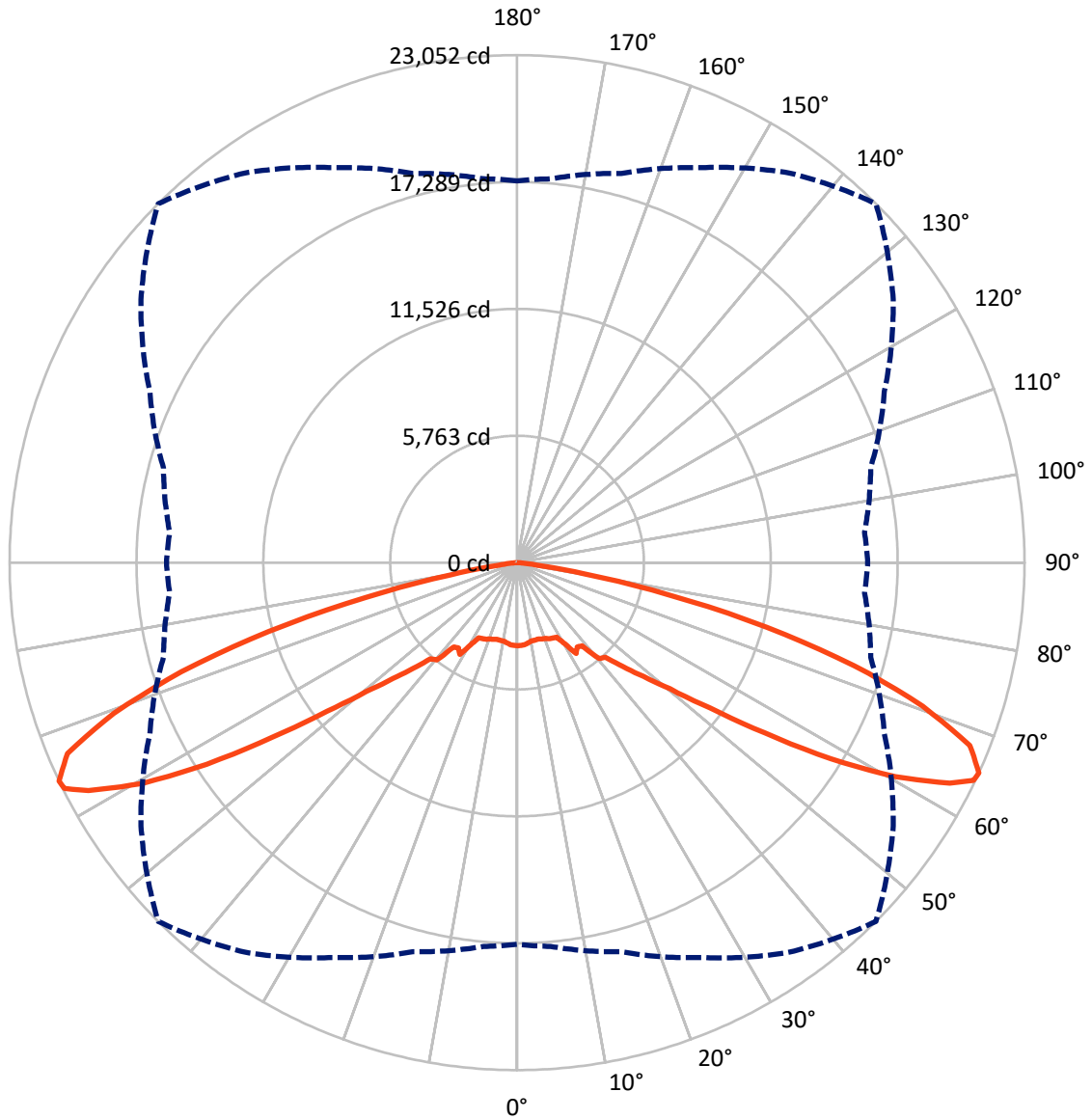
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P479705
CATALOG NUMBER: IFLD-L-SA7D-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479705

CATALOG NUMBER: IFLD-L-SA7D-735-U-5WQ

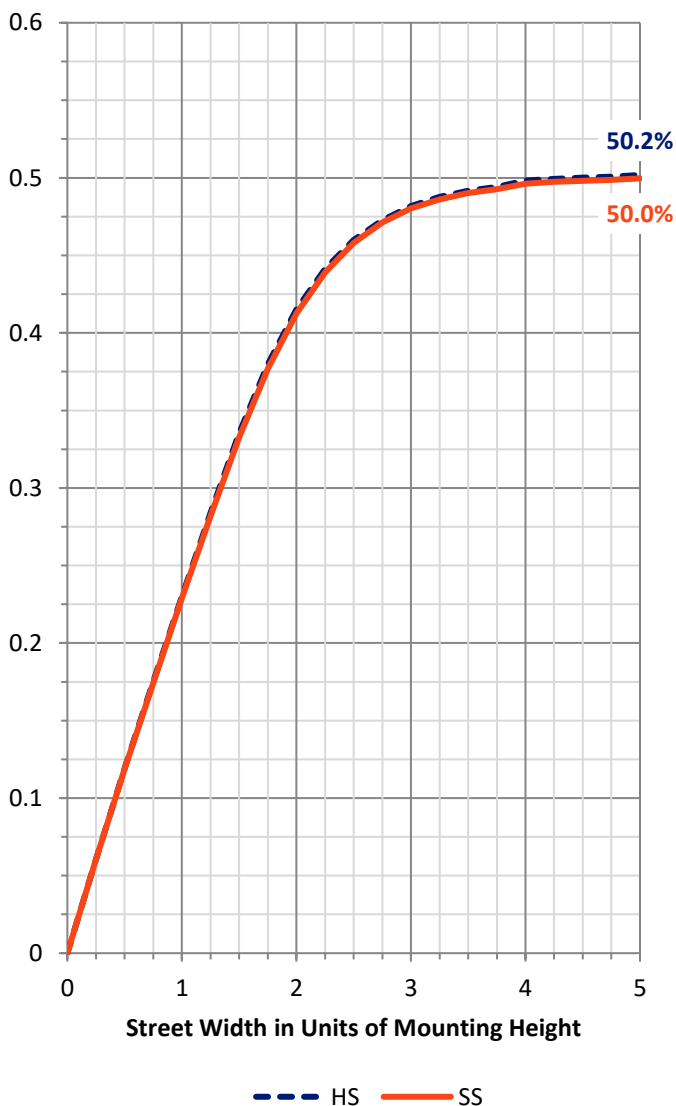
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24685.4	0.0	24685.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24685.4	0.0	24685.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	49370.9	0.0	49370.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.2	0.7
10°-20°	1040.5	2.1
20°-30°	1801.1	3.6
30°-40°	2994.9	6.1
40°-50°	5403.2	10.9
50°-60°	12036.5	24.4
60°-70°	17938.3	36.3
70°-80°	7433.9	15.1
80°-90°	368.2	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°	49370.9	100.0
0°-180°	49370.9	100.0

Coefficient of Utilization



REPORT NUMBER: P479705

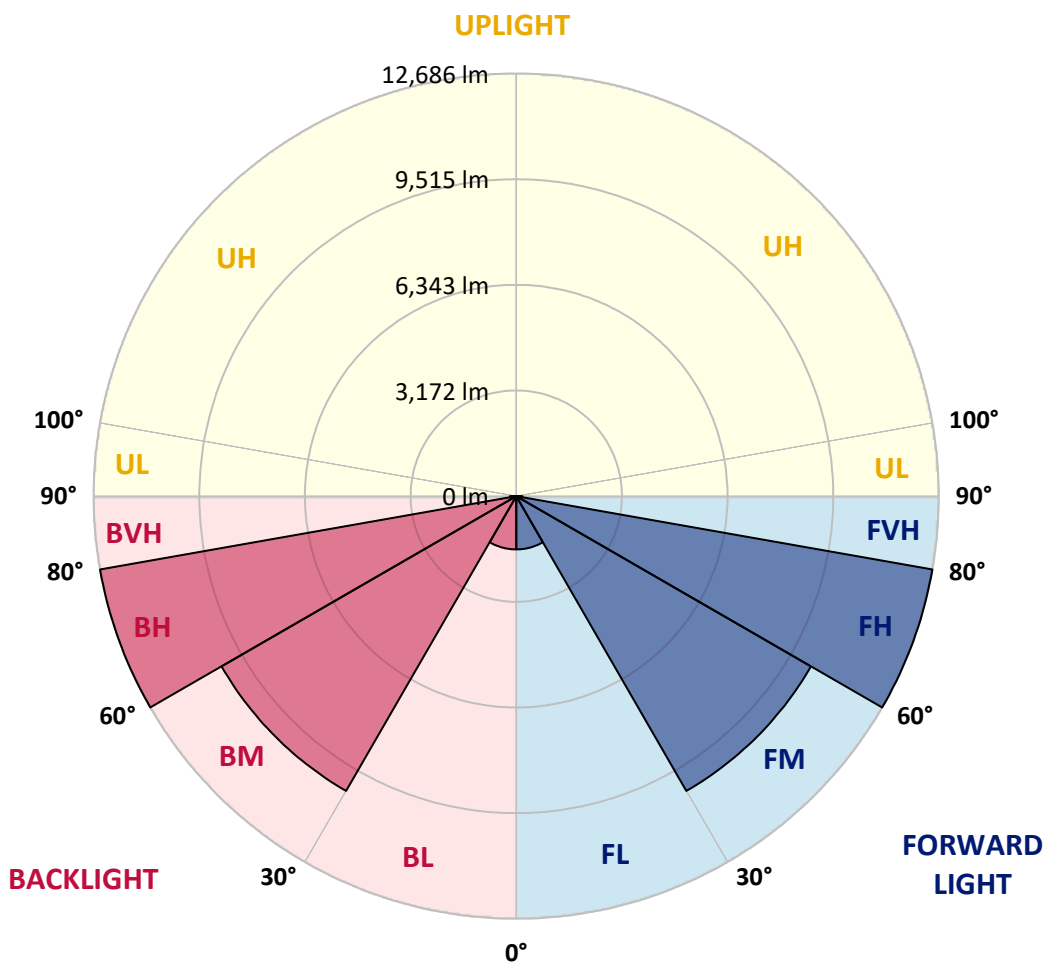
CATALOG NUMBER: IFLD-L-SA7D-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1597.9	3.2			
FM (30°-60°)	10217.3	20.7			
FH (60°-80°)	12686.1	25.7			G5
FVH (80°-90°)	184.1	0.4			G2/225
BL (0°-30°)	1597.9	3.2	B3/2500		
BM (30°-60°)	10217.3	20.7	B5		
BH (60°-80°)	12686.1	25.7	B5		G5
BVH (80°-90°)	184.1	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-G5

Type V Short





REPORT NUMBER: P479705
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3774.7	3774.7	3774.7	3774.7	3774.7	3774.7	3774.7	3774.7	3774.7	3774.7	3774.7
2.5°	3731.1	3742.0	3736.5	3736.5	3752.9	3763.8	3769.2	3823.8	3802.0	3818.3	3802.0
5°	3742.0	3742.0	3752.9	3742.0	3752.9	3742.0	3752.9	3736.5	3752.9	3763.8	3780.2
7.5°	3720.2	3709.2	3692.9	3692.9	3687.4	3676.5	3660.2	3703.8	3682.0	3698.3	3725.6
10°	3725.6	3709.2	3654.7	3665.6	3616.5	3616.5	3627.4	3627.4	3676.5	3731.1	3747.4
12.5°	3725.6	3692.9	3676.5	3605.6	3605.6	3611.1	3638.3	3649.2	3682.0	3703.8	3758.3
15°	3725.6	3709.2	3682.0	3589.2	3611.1	3600.2	3627.4	3627.4	3698.3	3736.5	3763.8
17.5°	3747.4	3758.3	3709.2	3622.0	3627.4	3649.2	3632.9	3649.2	3736.5	3763.8	3802.0
20°	3752.9	3709.2	3692.9	3638.3	3687.4	3676.5	3671.1	3703.8	3731.1	3780.2	3823.8
22.5°	3742.0	3758.3	3692.9	3687.4	3731.1	3752.9	3763.8	3725.6	3758.3	3791.1	3829.3
25°	3834.7	3774.7	3758.3	3747.4	3769.2	3791.1	3780.2	3812.9	3812.9	3851.1	3900.2
27.5°	4085.6	4091.1	4058.4	3927.4	3883.8	3834.7	3856.5	3943.8	4047.4	4129.3	4145.6
30°	4200.2	4222.0	4309.3	4287.5	4271.1	4287.5	4282.0	4303.8	4314.7	4320.2	4303.8
32.5°	4303.8	4292.9	4254.7	4352.9	4674.7	4920.2	4685.7	4363.8	4292.9	4271.1	4292.9
35°	4680.2	4680.2	4598.4	4472.9	4642.0	4702.0	4592.9	4440.2	4527.5	4707.5	4718.4
37.5°	5165.7	5094.8	5127.5	5111.1	4925.7	4794.7	4985.7	5083.9	5100.2	5094.8	5149.3
40°	5454.8	5405.7	5356.6	5443.9	5613.0	5733.0	5563.9	5329.3	5389.3	5509.3	5460.2
42.5°	6114.8	5989.3	6000.3	5913.0	5907.5	5869.3	5831.2	5847.5	5934.8	6071.2	6093.0
45°	6791.2	6851.2	6813.0	6649.4	6725.7	6725.7	6616.6	6698.5	6742.1	6900.3	6922.1
47.5°	7849.4	7822.1	7838.5	7691.2	7685.8	7724.0	7685.8	7691.2	7827.6	7816.7	7756.7
50°	9087.7	9164.0	9185.8	9114.9	9027.7	9011.3	8951.3	9027.7	9109.5	9114.9	9065.8
52.5°	10800.5	10882.3	10882.3	10904.1	11013.2	10958.6	10947.7	10953.2	10795.0	10685.9	10740.5
55°	12960.5	12987.8	13080.6	13271.5	13604.2	13647.8	13440.6	13347.8	13058.7	12884.2	13020.5
57.5°	15093.4	15202.5	15458.8	15955.2	16364.3	16811.6	16211.6	15600.7	15033.4	14755.2	14804.3
60°	16866.2	17024.4	17515.3	18208.0	19342.6	19751.7	18737.2	17689.8	16538.9	15687.9	16031.6
62.5°	17700.7	17946.2	18360.8	19762.7	21464.5	22053.7	20564.5	18660.8	16915.3	16097.0	16080.7
64°	17706.2	17744.4	18573.5	20084.5	21835.5	22975.5	21006.3	18660.8	17008.0	15998.9	16184.3
65°	17340.7	17498.9	18300.8	19789.9	21600.9	23051.9	20853.6	18404.4	16626.2	15840.7	15927.9
67.5°	15682.5	15677.0	16418.9	17897.1	20411.8	22184.6	19555.4	16969.8	15682.5	14831.5	14935.2
70°	11896.9	12087.8	12796.9	14613.3	17662.6	19560.8	17100.7	14422.4	12818.7	12136.9	12098.7
72.5°	7118.5	7369.4	8274.9	10489.5	13718.8	16026.1	13571.5	10669.5	8738.6	7658.5	7685.8
75°	3245.6	3431.1	4052.9	5858.4	9142.2	11716.9	9196.8	6169.4	4423.8	3736.5	3638.3
77.5°	910.9	1025.5	1369.1	2689.2	5018.4	7025.8	5160.2	2972.9	1931.0	1603.7	1571.0
80°	409.1	430.9	485.5	654.6	1592.8	3098.3	2132.8	1091.0	725.5	600.0	572.8
82.5°	223.6	240.0	316.4	338.2	452.7	823.7	703.7	512.7	436.4	349.1	338.2
85°	125.5	130.9	180.0	180.0	218.2	240.0	256.4	272.7	267.3	196.4	190.9
87.5°	38.2	43.6	54.5	54.5	54.5	54.5	87.3	120.0	130.9	92.7	92.7
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)