

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: P479773

Luminaire Tested: **IFLD-S-SA6D-750-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479773  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-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**

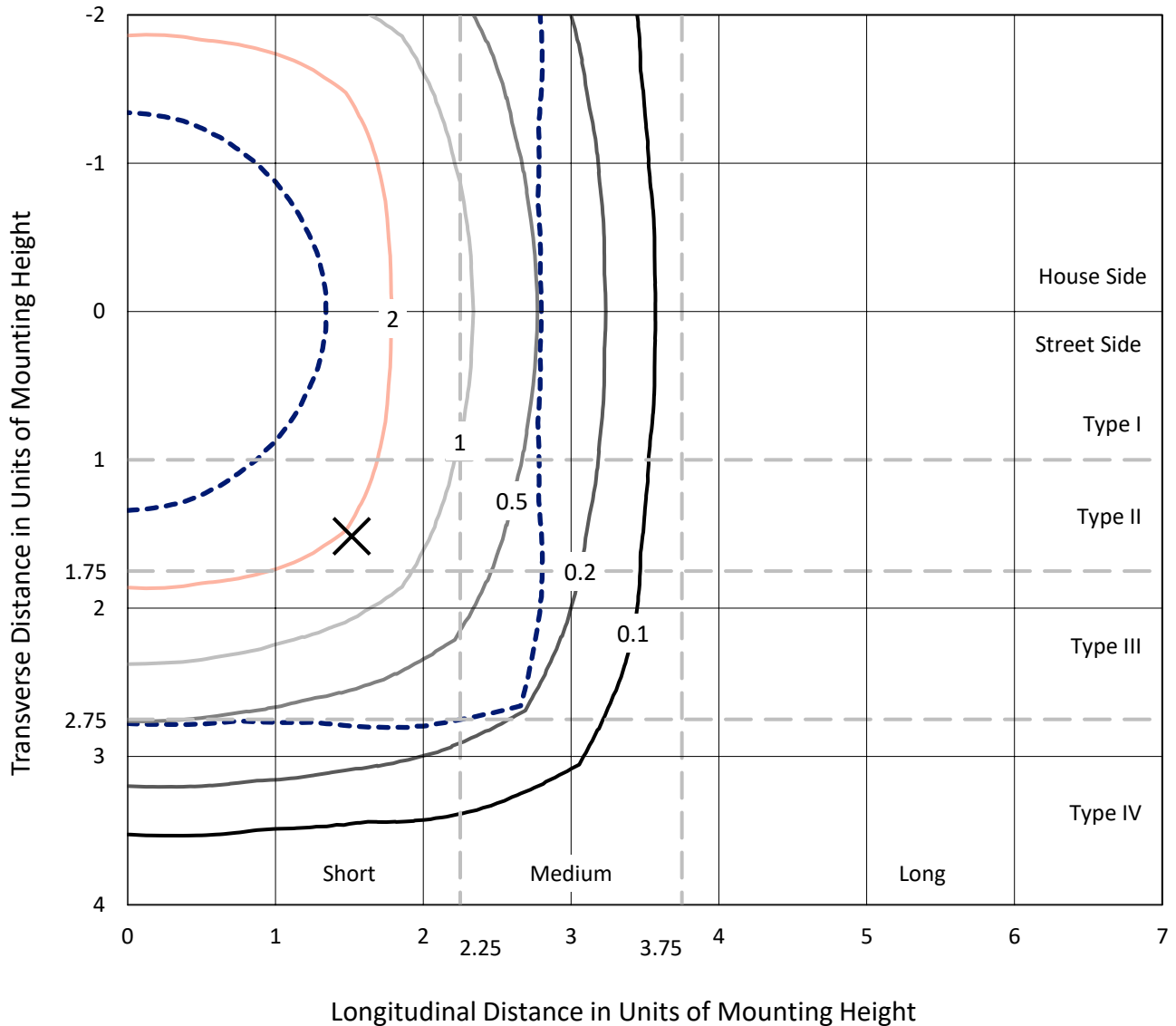
Lumens per Lamp: N/A  
Luminaire Lumens: 47993.8 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 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

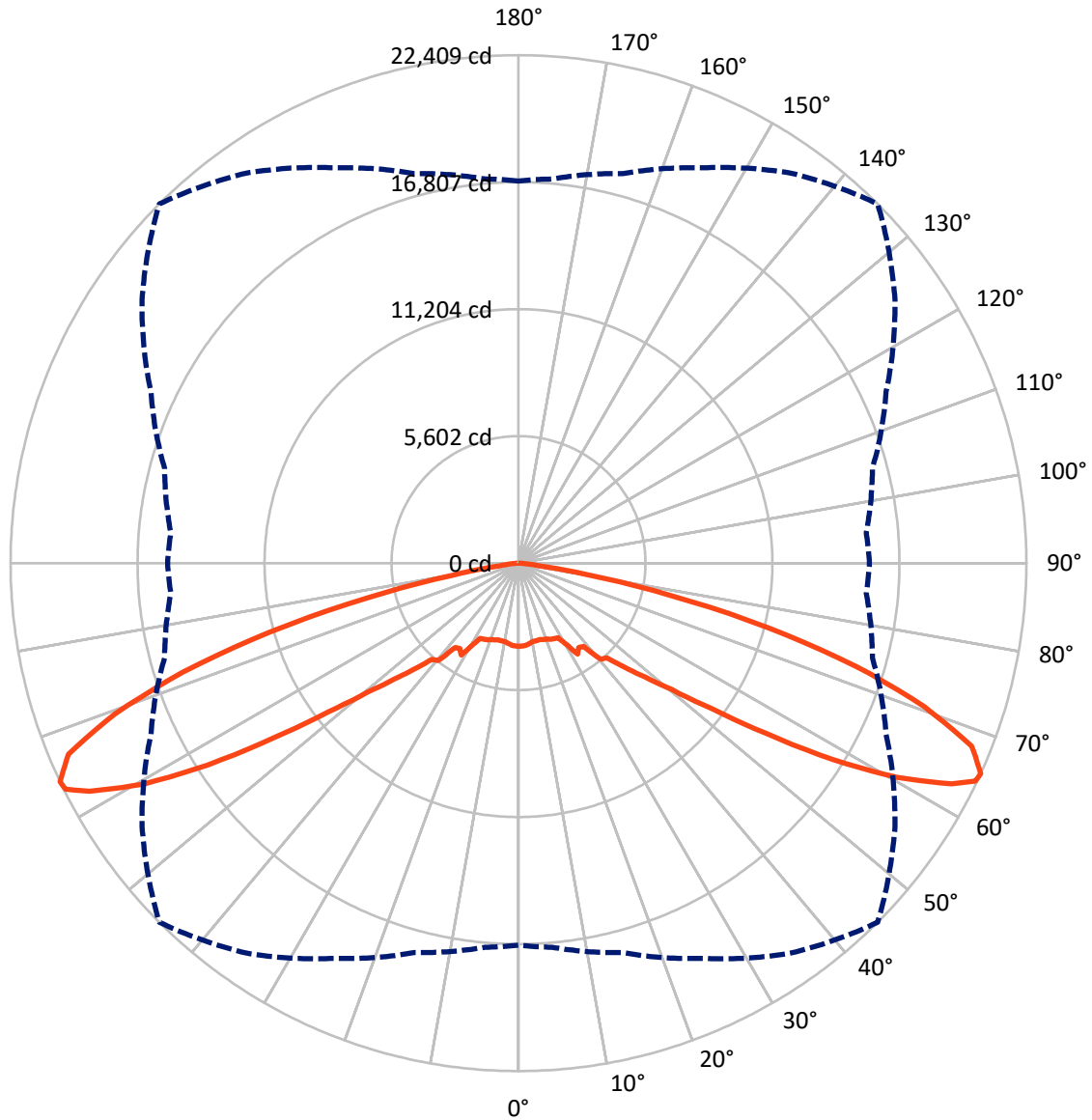
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.1 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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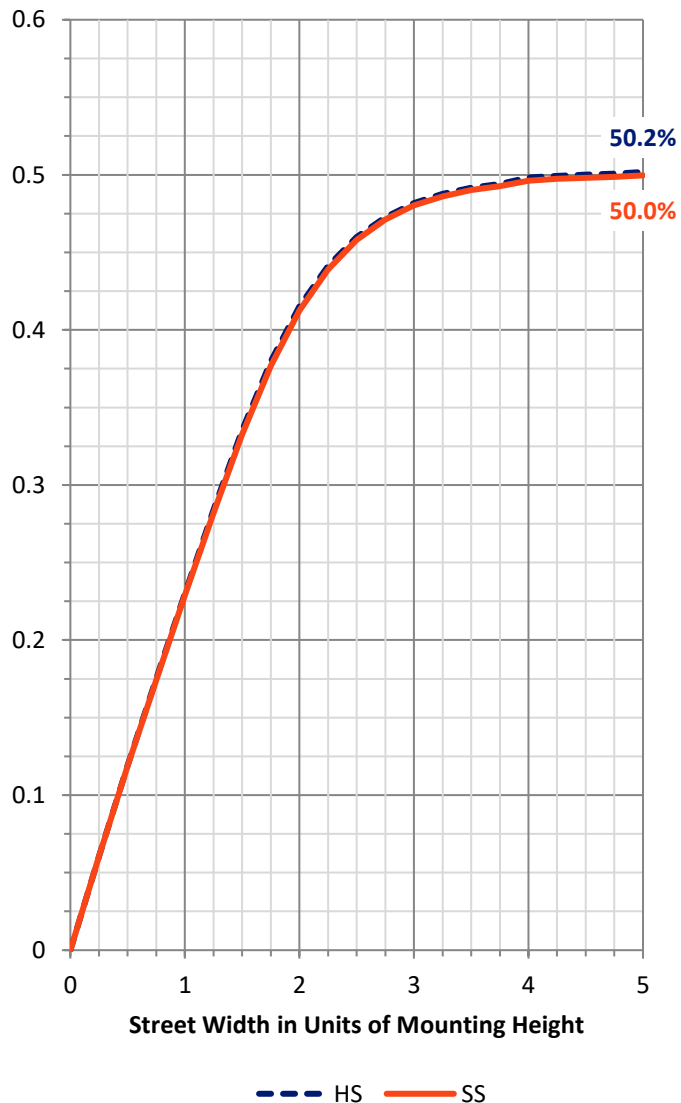
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23996.9	0.0	23996.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23996.9	0.0	23996.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47993.8	0.0	47993.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.4	0.7
10°-20°	1011.5	2.1
20°-30°	1750.9	3.6
30°-40°	2911.3	6.1
40°-50°	5252.5	10.9
50°-60°	11700.8	24.4
60°-70°	17438.0	36.3
70°-80°	7226.5	15.1
80°-90°	357.9	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°	47993.8	100.0
0°-180°	47993.8	100.0

**Coefficient of Utilization**



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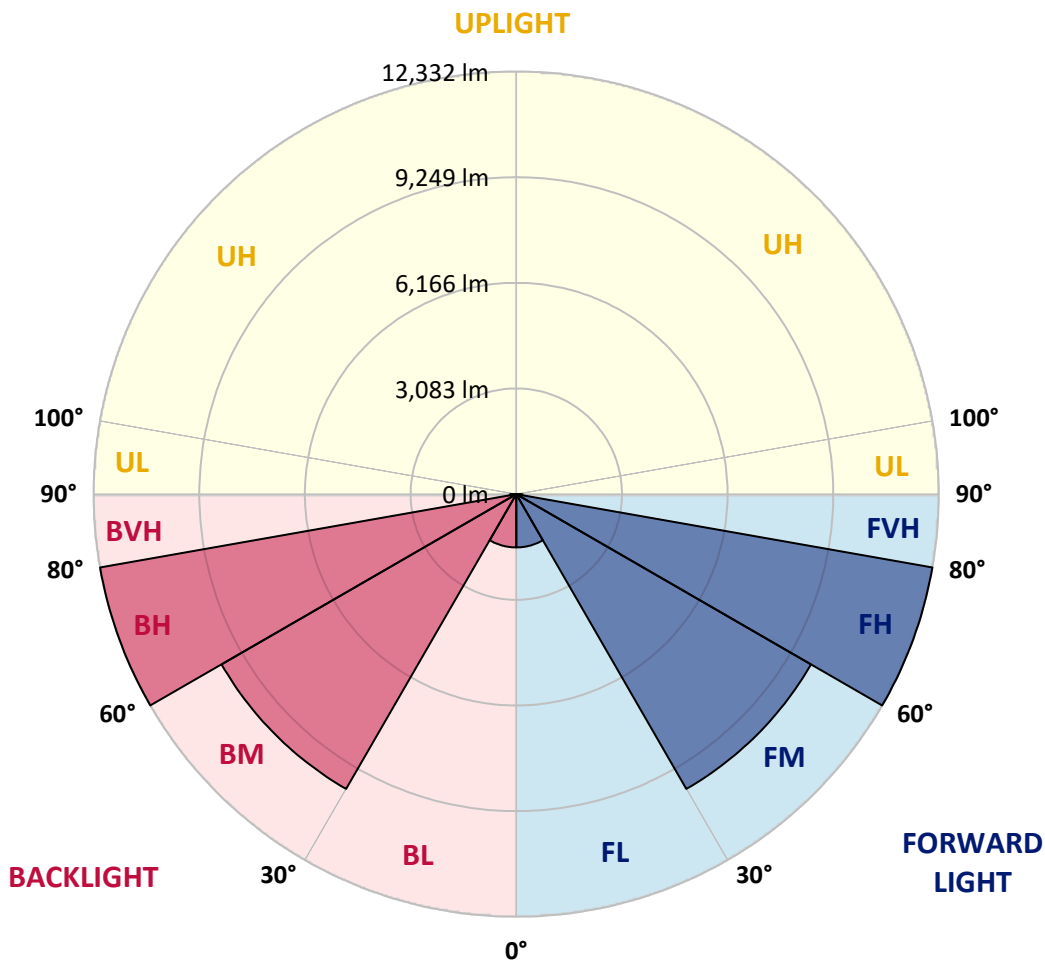
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1553.4	3.2			
FM (30°-60°)	9932.3	20.7			
FH (60°-80°)	12332.2	25.7			G5
FVH (80°-90°)	179.0	0.4			G2/225
BL (0°-30°)	1553.4	3.2	B3/2500		
BM (30°-60°)	9932.3	20.7	B5		
BH (60°-80°)	12332.2	25.7	B5		G5
BVH (80°-90°)	179.0	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-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3669.4	3669.4	3669.4	3669.4	3669.4	3669.4	3669.4	3669.4	3669.4	3669.4	3669.4
2.5°	3627.0	3637.6	3632.3	3632.3	3648.2	3658.8	3664.1	3717.1	3695.9	3711.8	3695.9
5°	3637.6	3637.6	3648.2	3637.6	3648.2	3637.6	3648.2	3632.3	3648.2	3658.8	3674.7
7.5°	3616.4	3605.8	3589.9	3589.9	3584.6	3574.0	3558.1	3600.5	3579.3	3595.2	3621.7
10°	3621.7	3605.8	3552.8	3563.4	3515.6	3515.6	3526.2	3526.2	3574.0	3627.0	3642.9
12.5°	3621.7	3589.9	3574.0	3505.0	3505.0	3510.3	3536.9	3547.5	3579.3	3600.5	3653.5
15°	3621.7	3605.8	3579.3	3489.1	3510.3	3499.7	3526.2	3526.2	3595.2	3632.3	3658.8
17.5°	3642.9	3653.5	3605.8	3520.9	3526.2	3547.5	3531.6	3547.5	3632.3	3658.8	3695.9
20°	3648.2	3605.8	3589.9	3536.9	3584.6	3574.0	3568.7	3600.5	3627.0	3674.7	3717.1
22.5°	3637.6	3653.5	3589.9	3584.6	3627.0	3648.2	3658.8	3621.7	3653.5	3685.3	3722.4
25°	3727.7	3669.4	3653.5	3642.9	3664.1	3685.3	3674.7	3706.5	3706.5	3743.7	3791.4
27.5°	3971.7	3977.0	3945.2	3817.9	3775.5	3727.7	3749.0	3833.8	3934.6	4014.1	4030.0
30°	4083.0	4104.2	4189.1	4167.9	4152.0	4167.9	4162.6	4183.8	4194.4	4199.7	4183.8
32.5°	4183.8	4173.2	4136.0	4231.5	4544.4	4783.0	4555.0	4242.1	4173.2	4152.0	4173.2
35°	4549.7	4549.7	4470.1	4348.2	4512.5	4570.9	4464.8	4316.3	4401.2	4576.2	4586.8
37.5°	5021.6	4952.7	4984.5	4968.6	4788.3	4661.0	4846.6	4942.0	4958.0	4952.7	5005.7
40°	5302.6	5254.9	5207.2	5292.0	5456.4	5573.1	5408.7	5180.7	5239.0	5355.7	5307.9
42.5°	5944.2	5822.3	5832.9	5748.0	5742.7	5705.6	5668.5	5684.4	5769.3	5901.8	5923.0
45°	6601.8	6660.1	6623.0	6463.9	6538.1	6538.1	6432.1	6511.6	6554.0	6707.8	6729.0
47.5°	7630.5	7604.0	7619.9	7476.7	7471.4	7508.5	7471.4	7476.7	7609.3	7598.7	7540.3
50°	8834.2	8908.4	8929.6	8860.7	8775.8	8759.9	8701.6	8775.8	8855.4	8860.7	8813.0
52.5°	10499.2	10578.7	10578.7	10600.0	10706.0	10653.0	10642.4	10647.7	10493.9	10387.8	10440.9
55°	12599.0	12625.6	12715.7	12901.3	13224.8	13267.2	13065.7	12975.5	12694.5	12524.8	12657.4
57.5°	14672.4	14778.4	15027.6	15510.2	15907.9	16342.7	15759.4	15165.5	14614.0	14343.6	14391.3
60°	16395.7	16549.5	17026.7	17700.2	18803.1	19200.8	18214.5	17196.4	16077.6	15250.4	15584.4
62.5°	17207.0	17445.6	17848.6	19211.4	20865.8	21438.5	19990.9	18140.3	16443.4	15648.1	15632.1
64°	17212.3	17249.4	18055.4	19524.3	21226.4	22334.7	20420.4	18140.3	16533.6	15552.6	15732.9
65°	16857.1	17010.8	17790.3	19237.9	20998.4	22408.9	20271.9	17891.1	16162.4	15398.8	15483.7
67.5°	15245.1	15239.8	15960.9	17397.9	19842.4	21565.8	19009.9	16496.5	15245.1	14417.8	14518.6
70°	11565.0	11750.6	12440.0	14205.7	17169.9	19015.2	16623.7	14020.1	12461.2	11798.3	11761.2
72.5°	6919.9	7163.9	8044.1	10197.0	13336.1	15579.1	13192.9	10371.9	8494.8	7444.9	7471.4
75°	3155.1	3335.4	3939.9	5695.0	8887.2	11390.0	8940.2	5997.3	4300.4	3632.3	3536.9
77.5°	885.5	996.9	1331.0	2614.2	4878.4	6829.8	5016.3	2889.9	1877.1	1559.0	1527.2
80°	397.7	418.9	471.9	636.3	1548.4	3011.9	2073.3	1060.5	705.2	583.3	556.8
82.5°	217.4	233.3	307.6	328.8	440.1	800.7	684.0	498.4	424.2	339.4	328.8
85°	122.0	127.3	175.0	175.0	212.1	233.3	249.2	265.1	259.8	190.9	185.6
87.5°	37.1	42.4	53.0	53.0	53.0	53.0	84.8	116.7	127.3	90.1	90.1
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)