

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: P524084

Luminaire Tested: **IFLD-S-SA6D-927-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524084  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-927-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (96) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

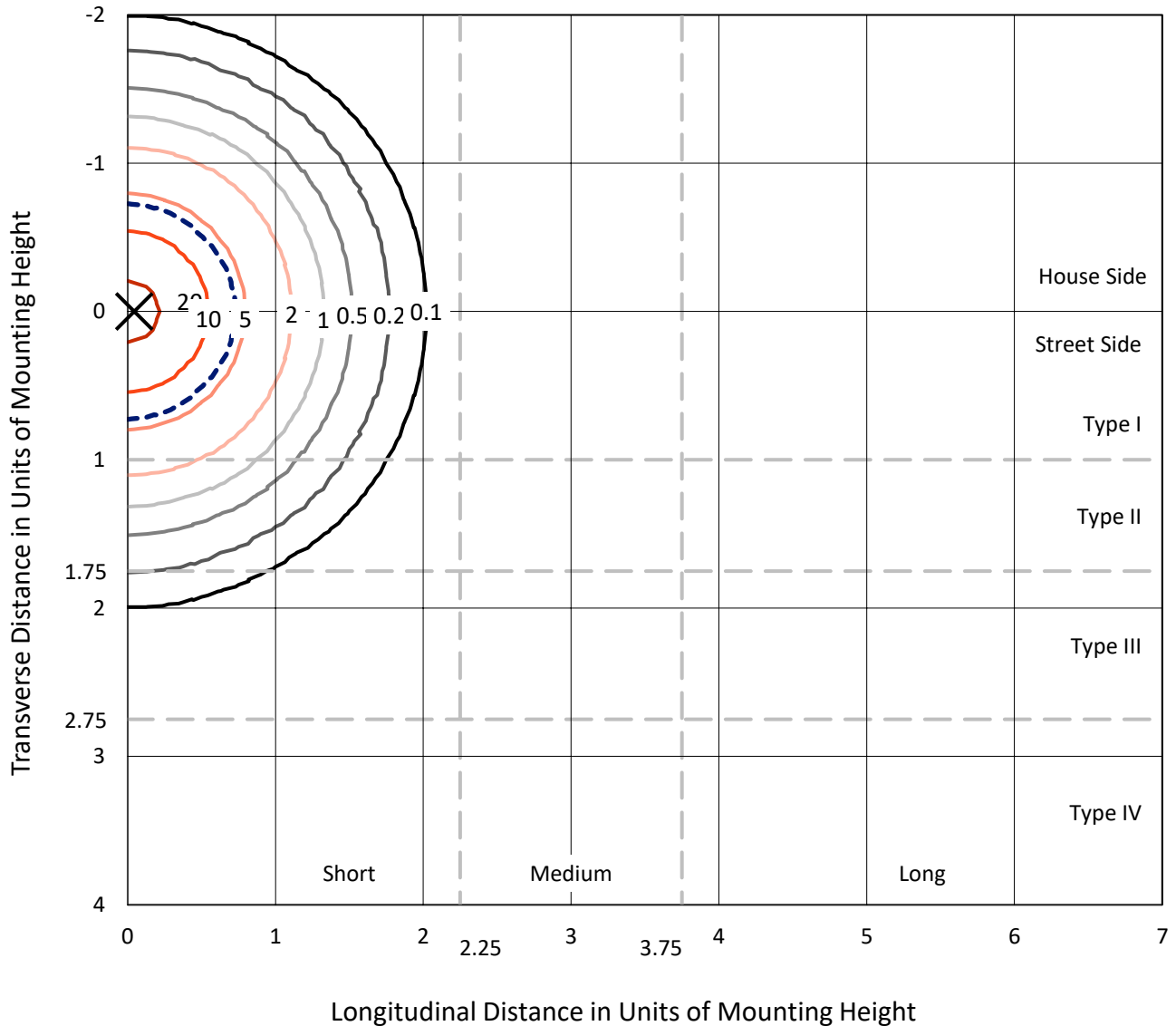
Lumens per Lamp: N/A  
Luminaire Lumens: 30032.5 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

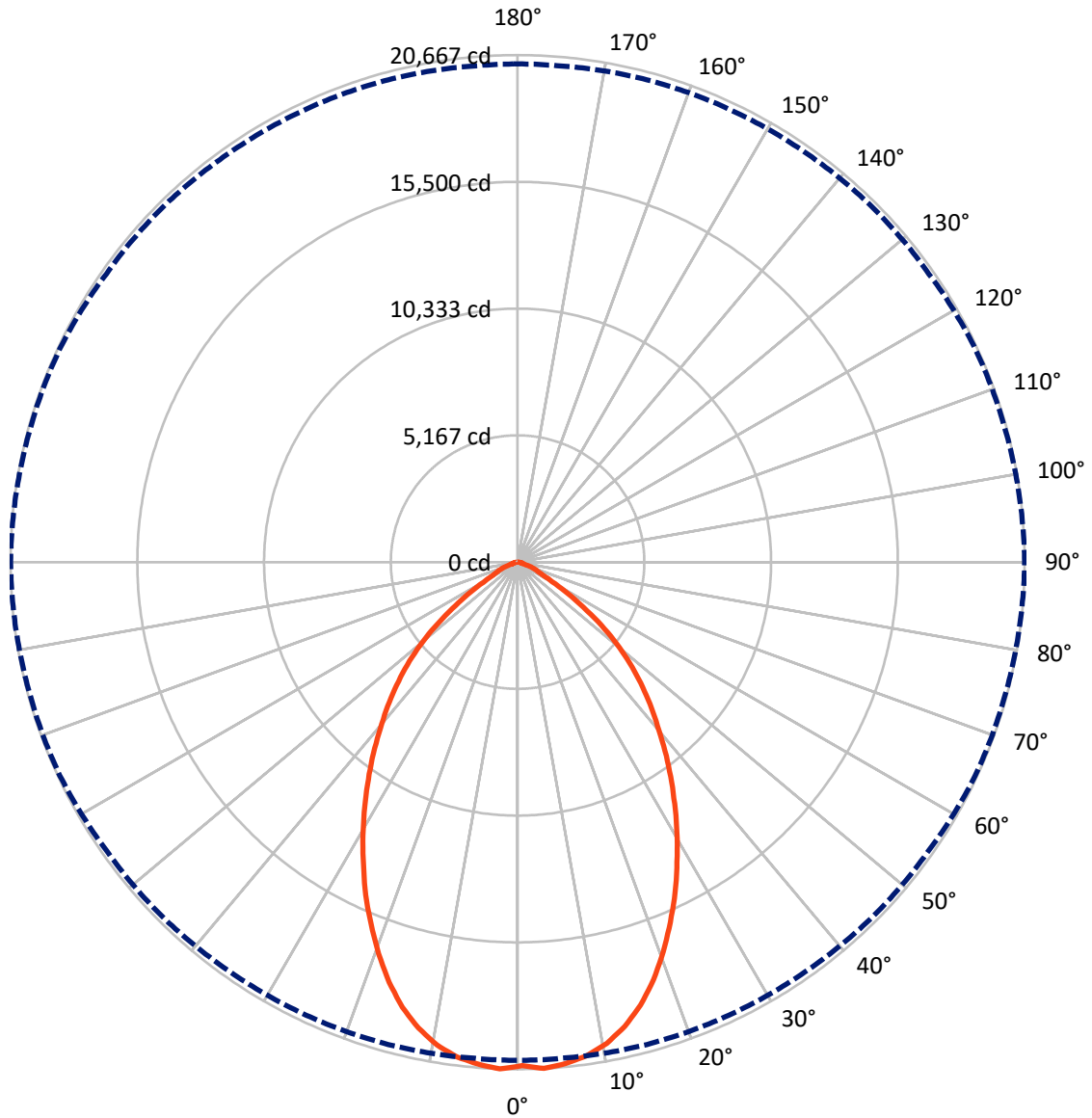
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 22.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15016.3	0.0	15016.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15016.3	0.0	15016.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30032.5	0.0	30032.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1927.1	6.4
10°-20°	5178.2	17.2
20°-30°	6699.5	22.3
30°-40°	6607.3	22.0
40°-50°	5345.6	17.8
50°-60°	2910.5	9.7
60°-70°	922.2	3.1
70°-80°	356.8	1.2
80°-90°	85.3	0.3
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°	30032.5	100.0
0°-180°	30032.5	100.0

**Coefficient of Utilization**



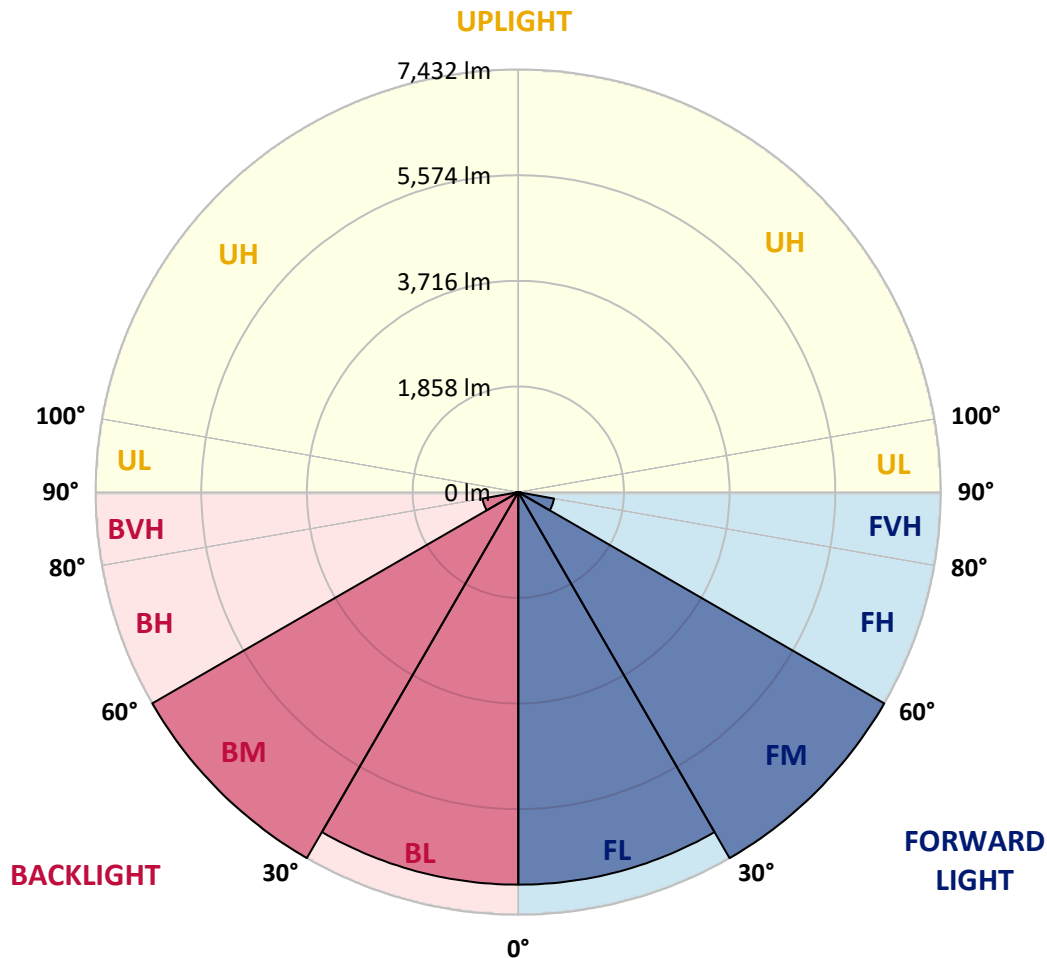
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6902.4	23.0			
FM (30°-60°)	7431.7	24.7			
FH (60°-80°)	639.5	2.1			G0/660
FVH (80°-90°)	42.6	0.1			G1/100
BL (0°-30°)	6902.4	23.0	B5		
BM (30°-60°)	7431.7	24.7	B4/8500		
BH (60°-80°)	639.5	2.1	B2/1000		G0/660
BVH (80°-90°)	42.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20528.0	20528.0	20528.0	20528.0	20528.0	20528.0	20528.0	20528.0	20528.0	20528.0	20528.0
2.5°	20306.7	20302.4	20354.5	20376.2	20402.2	20454.3	20471.6	20584.4	20597.4	20640.8	20666.9
5°	20272.0	20254.7	20306.7	20315.4	20345.8	20354.5	20380.5	20458.6	20449.9	20515.0	20528.0
7.5°	20085.4	20063.7	20107.1	20115.8	20159.2	20146.2	20189.6	20246.0	20246.0	20293.7	20315.4
10°	19668.9	19664.6	19707.9	19712.3	19773.0	19760.0	19829.4	19842.5	19877.2	19911.9	19950.9
12.5°	19169.9	19113.5	19169.9	19148.2	19230.6	19182.9	19278.4	19308.7	19326.1	19386.9	19417.2
15°	18527.7	18458.3	18497.3	18475.7	18527.7	18467.0	18566.8	18627.5	18649.2	18710.0	18740.3
17.5°	17668.6	17612.2	17620.9	17590.5	17625.2	17577.5	17672.9	17768.4	17798.8	17863.8	17907.2
20°	16588.2	16588.2	16592.5	16566.5	16596.8	16549.1	16609.9	16757.4	16787.8	16874.5	16948.3
22.5°	15533.8	15533.8	15546.8	15512.1	15520.8	15499.1	15564.2	15707.3	15755.1	15846.2	15937.3
25°	14522.8	14505.4	14514.1	14483.7	14449.0	14457.7	14535.8	14626.9	14731.1	14848.2	14917.6
27.5°	13559.5	13581.2	13529.1	13507.4	13481.4	13433.7	13524.8	13637.6	13711.4	13806.8	13841.6
30°	12531.2	12574.6	12535.5	12518.1	12453.1	12392.3	12487.8	12600.6	12674.3	12765.5	12804.5
32.5°	11615.6	11602.6	11567.9	11528.8	11463.8	11416.0	11455.1	11585.2	11641.7	11737.1	11750.1
35°	10635.0	10626.3	10604.6	10526.5	10504.8	10448.4	10483.1	10595.9	10639.3	10695.7	10739.1
37.5°	9676.1	9645.7	9637.0	9606.6	9567.6	9554.6	9554.6	9615.3	9658.7	9715.1	9758.5
40°	8725.8	8734.5	8708.5	8682.4	8669.4	8652.1	8656.4	8691.1	8725.8	8751.9	8777.9
42.5°	7866.7	7819.0	7801.6	7775.6	7788.6	7810.3	7762.6	7814.6	7858.0	7858.0	7914.4
45°	6881.7	6903.4	6912.1	6955.5	6955.5	6933.8	6916.4	6942.5	6985.9	6981.5	7037.9
47.5°	6022.6	5996.6	6018.3	6083.3	6139.7	6148.4	6096.4	6109.4	6122.4	6100.7	6152.8
50°	5081.0	5089.7	5085.4	5185.2	5298.0	5258.9	5219.9	5232.9	5228.5	5228.5	5237.2
52.5°	4057.0	4078.7	4052.7	4195.9	4317.3	4287.0	4260.9	4260.9	4282.6	4278.3	4274.0
55°	3124.1	3115.4	3059.0	3128.5	3236.9	3241.3	3202.2	3219.6	3241.3	3263.0	3258.6
57.5°	2325.7	2299.7	2221.6	2225.9	2347.4	2377.8	2343.1	2338.7	2364.8	2373.5	2421.2
60°	1566.4	1562.1	1492.6	1488.3	1536.0	1618.5	1579.4	1579.4	1588.1	1601.1	1614.1
62.5°	1071.7	1080.4	1054.4	1050.0	1058.7	1128.2	1123.8	1119.5	1115.1	1132.5	1128.2
65°	841.8	846.1	837.4	837.4	841.8	872.1	902.5	906.9	911.2	915.5	911.2
67.5°	676.9	681.2	672.6	681.2	681.2	685.6	729.0	746.3	750.7	750.7	746.3
70°	520.7	538.0	546.7	546.7	546.7	546.7	577.1	598.8	594.4	568.4	542.4
72.5°	260.3	316.8	438.2	442.6	438.2	433.9	451.3	473.0	468.6	329.8	247.3
75°	173.6	186.6	342.8	360.1	355.8	338.4	355.8	381.8	373.2	212.6	203.9
77.5°	99.8	108.5	230.0	264.7	286.4	247.3	282.0	308.1	295.1	173.6	169.2
80°	78.1	73.8	164.9	203.9	195.3	156.2	230.0	247.3	225.6	130.2	117.2
82.5°	47.7	47.7	108.5	156.2	143.2	91.1	160.5	190.9	169.2	95.5	86.8
85°	26.0	30.4	52.1	78.1	82.4	60.7	86.8	104.1	104.1	60.7	60.7
87.5°	13.0	13.0	17.4	17.4	21.7	26.0	26.0	30.4	21.7	17.4	17.4
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)