

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: P635994

Luminaire Tested: **IFLD-S-SA6B-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635994
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20080.7 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

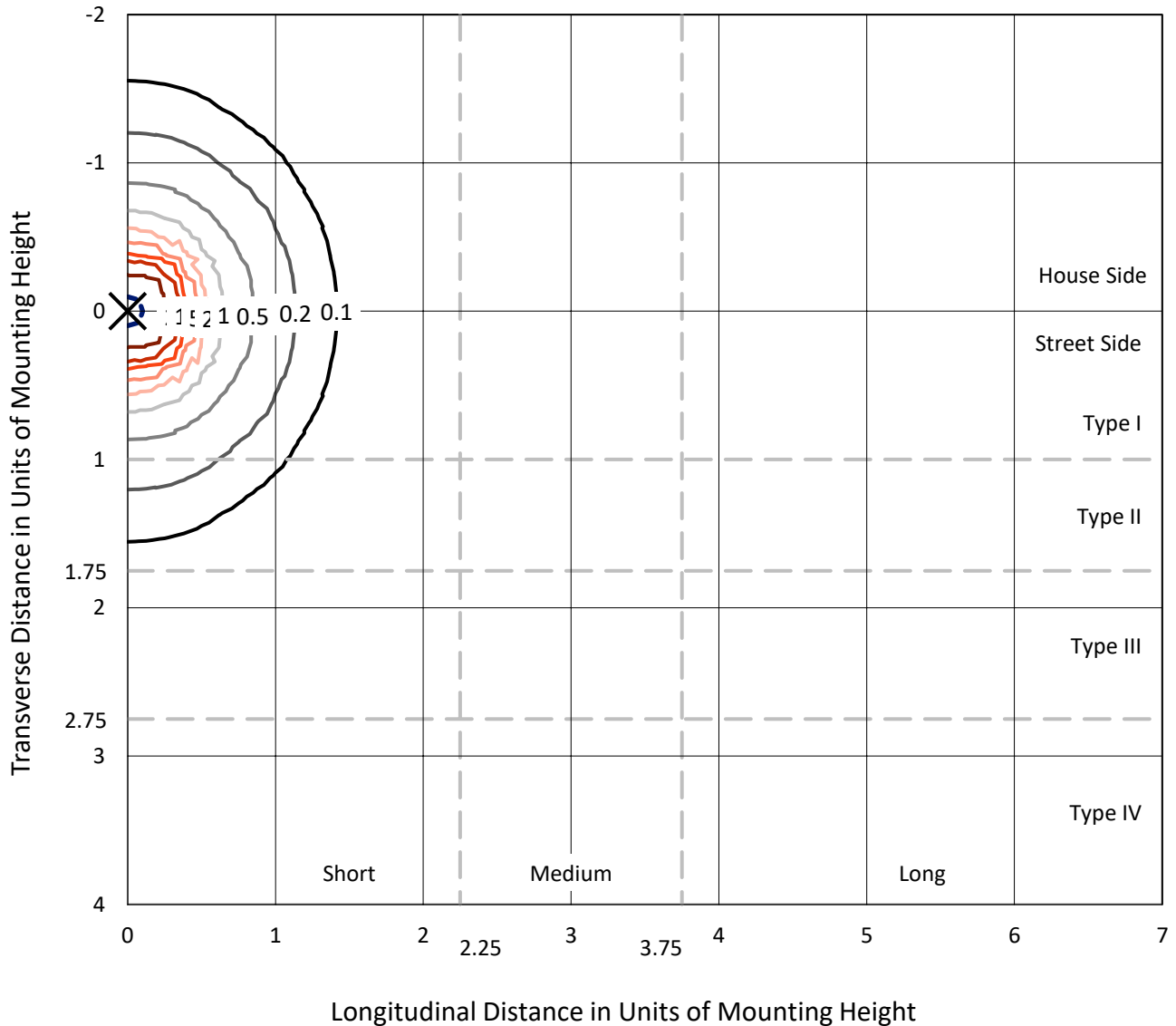
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P635994
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Iso-Footcandle Lines of Horizontal Illumination

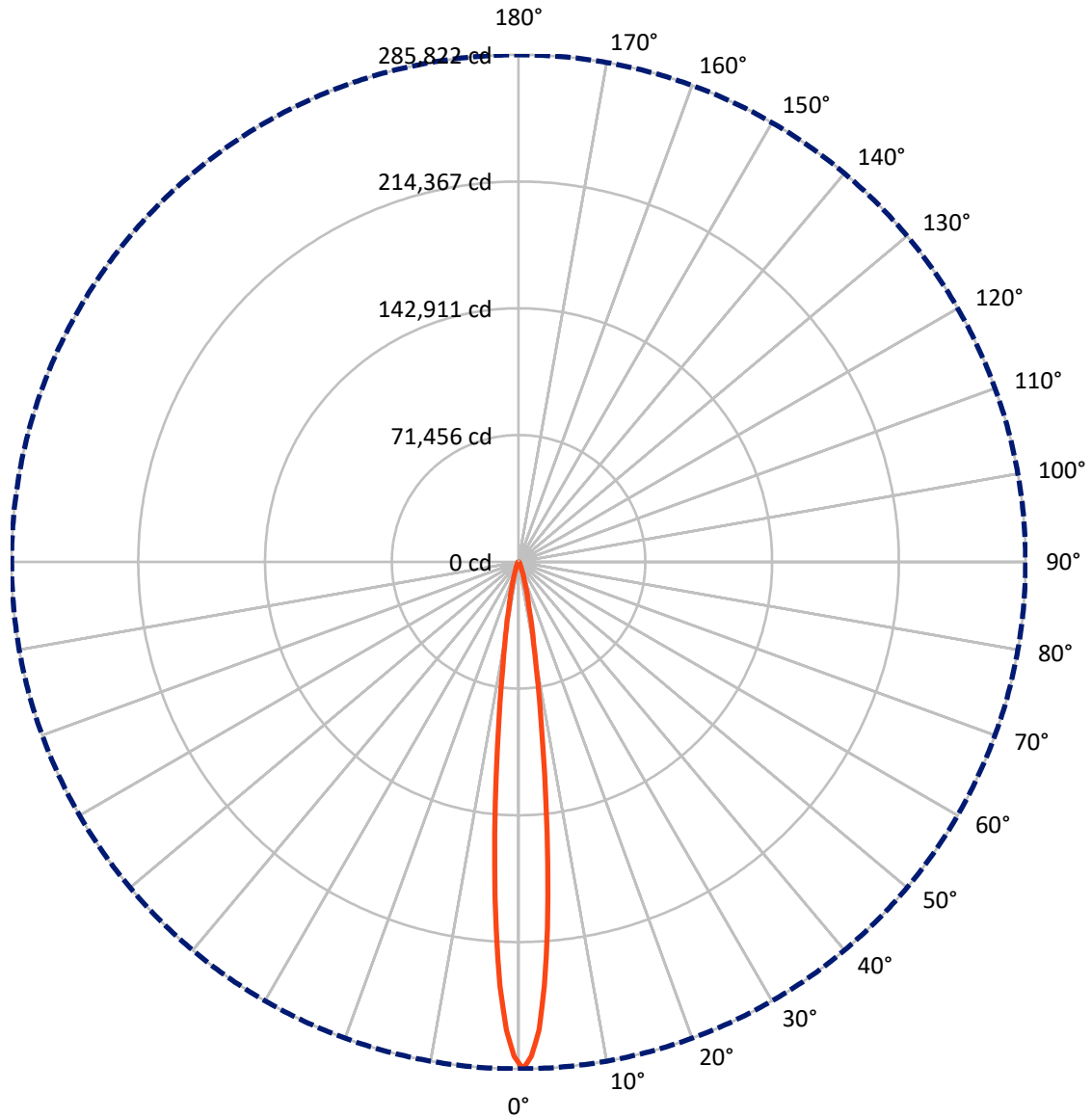
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 714.6 fc
 Type V - Short - N/A

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CATALOG NUMBER: IFLD-S-SA6B-927-U-22-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10040.3	0.0	10040.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10040.3	0.0	10040.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	20080.7	0.0	20080.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12240.8	61.0
10°-20°	5483.9	27.3
20°-30°	1224.7	6.1
30°-40°	399.7	2.0
40°-50°	275.7	1.4
50°-60°	208.3	1.0
60°-70°	142.5	0.7
70°-80°	75.1	0.4
80°-90°	30.0	0.1
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°	20080.7	100.0
0°-180°	20080.7	100.0



REPORT NUMBER: P635994

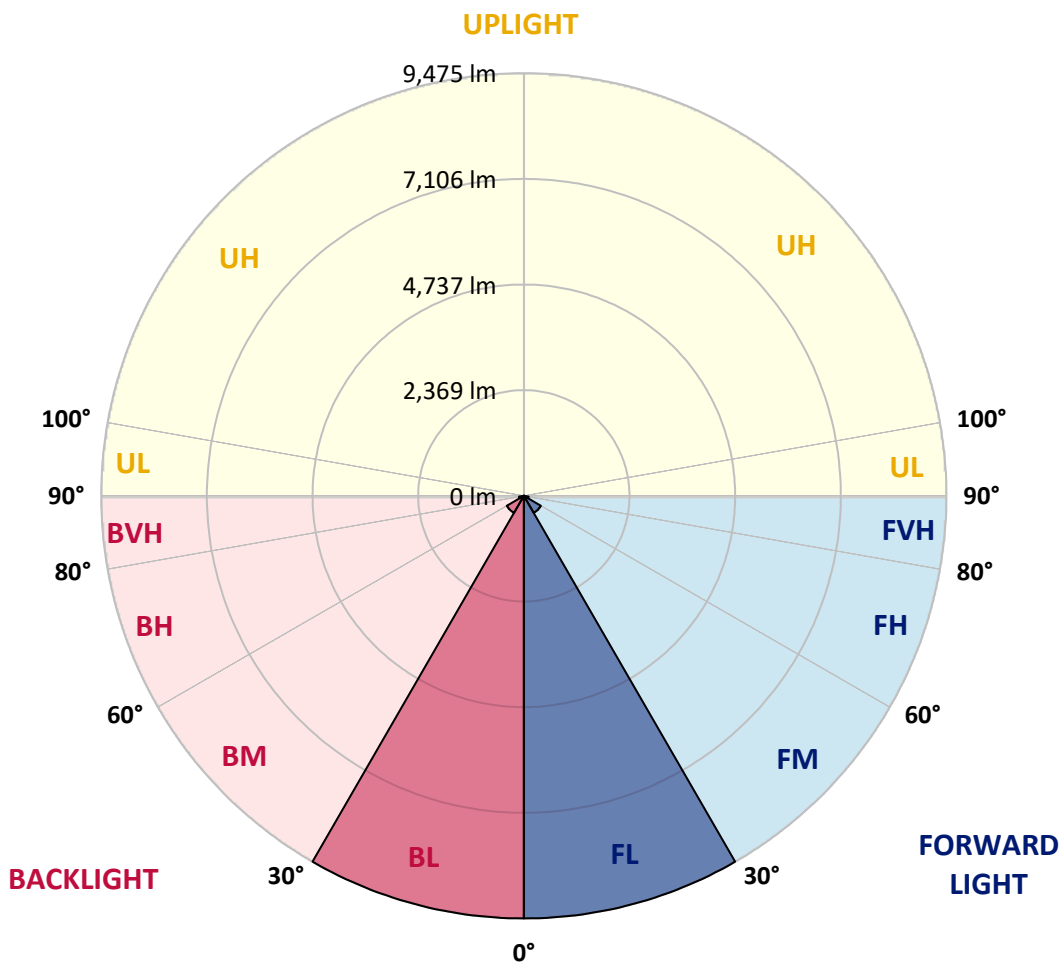
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9474.7	47.2			
FM (30°-60°)	441.8	2.2			
FH (60°-80°)	108.8	0.5			G0/660
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	9474.7	47.2	B5		
BM (30°-60°)	441.8	2.2	B1/1000		
BH (60°-80°)	108.8	0.5	B0/110		G0/660
BVH (80°-90°)	15.0	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°
0°	285822.0	285822.0	285822.0	285822.0	285822.0	285822.0	285822.0	285822.0	285822.0	285822.0
1°	278725.7	279104.9	278682.8	280814.6	281694.5	282152.3	282205.9	283407.7	282481.3	282738.9
2°	264036.0	264880.1	263467.3	264833.6	267566.3	268600.0	266915.3	268997.0	268253.0	268685.8
3°	239352.8	240386.5	238433.6	240104.0	243619.9	244406.8	241645.5	244603.5	244528.4	245150.8
4°	207537.6	209215.1	206425.2	208403.2	209959.1	212698.9	210023.4	213389.2	213324.8	214405.0
5°	171423.1	173236.5	170811.5	172864.5	174338.2	175357.5	174377.5	178100.9	178337.0	179452.9
6°	136084.8	137776.6	135069.0	137029.0	139364.7	139783.1	139529.2	142734.0	143445.7	142576.6
7°	104730.9	105153.0	104727.4	106508.6	108382.8	108450.8	108779.8	111598.3	112224.2	111923.8
8°	80208.7	78277.3	79936.9	80881.1	81460.6	84121.7	84318.4	85738.4	86890.1	86972.4
9°	61055.2	59266.8	61187.5	61563.1	62893.7	65257.9	64961.0	66513.3	67235.8	67189.3
10°	46547.9	45639.4	46601.5	47016.4	48110.9	50113.9	50460.9	51172.6	51709.1	52059.7
12.5°	25259.0	25470.1	26028.0	26464.4	27938.0	28471.0	28685.6	28746.4	28742.8	28800.0
15°	15691.2	15862.9	16252.8	17043.2	17941.0	18602.7	18695.7	18352.3	18055.5	18009.0
17.5°	9786.0	9718.0	10633.7	11499.3	12579.4	12922.8	12565.1	12171.7	11767.5	11535.0
20°	5873.0	5919.5	6230.7	6617.0	7489.7	8083.5	7711.5	7310.9	6892.4	6617.0
22.5°	3337.1	3387.2	3523.1	3723.4	4056.0	4596.1	4360.1	3955.9	3659.0	3537.4
25°	1970.8	1970.8	2053.1	2142.5	2282.0	2407.2	2357.1	2142.5	1967.2	1917.1
27.5°	1276.9	1266.2	1294.8	1337.7	1402.1	1409.2	1352.0	1287.6	1198.2	1166.0
30°	933.5	937.1	933.5	951.4	947.8	922.8	887.0	890.6	854.8	851.3
32.5°	758.3	761.8	761.8	758.3	740.4	701.0	676.0	701.0	693.9	686.7
35°	629.5	633.1	668.9	665.3	636.7	593.7	575.9	604.5	625.9	593.7
37.5°	543.7	547.2	575.9	590.2	554.4	525.8	504.3	529.4	561.6	525.8
40°	479.3	482.9	490.0	493.6	475.7	461.4	450.7	457.8	472.1	454.2
42.5°	422.1	418.5	422.1	418.5	397.0	404.2	397.0	386.3	397.0	382.7
45°	368.4	368.4	368.4	357.7	336.2	350.5	343.4	332.6	336.2	325.5
47.5°	336.2	336.2	336.2	321.9	304.0	304.0	307.6	289.7	293.3	289.7
50°	304.0	304.0	311.2	296.9	282.6	271.8	275.4	261.1	264.7	261.1
52.5°	279.0	279.0	279.0	271.8	261.1	253.9	246.8	239.6	236.1	232.5
55°	268.3	268.3	264.7	243.2	239.6	232.5	218.2	214.6	207.5	203.9
57.5°	250.4	250.4	246.8	228.9	214.6	214.6	193.1	189.6	178.8	178.8
60°	221.8	221.8	218.2	214.6	196.7	186.0	171.7	164.5	153.8	150.2
62.5°	211.0	211.0	203.9	186.0	182.4	164.5	150.2	135.9	128.8	121.6
65°	196.7	193.1	189.6	171.7	157.4	146.6	128.8	110.9	103.7	89.4
67.5°	175.3	175.3	171.7	157.4	143.1	125.2	107.3	93.0	75.1	64.4
70°	153.8	150.2	150.2	135.9	125.2	110.9	85.8	71.5	53.7	42.9
72.5°	128.8	128.8	125.2	114.5	107.3	96.6	75.1	57.2	35.8	28.6
75°	103.7	103.7	100.1	93.0	89.4	78.7	64.4	50.1	28.6	14.3
77.5°	85.8	82.3	82.3	75.1	71.5	64.4	53.7	39.3	21.5	10.7
80°	64.4	64.4	68.0	64.4	57.2	53.7	46.5	35.8	17.9	7.2
82.5°	46.5	46.5	50.1	50.1	50.1	46.5	46.5	35.8	17.9	3.6
85°	32.2	32.2	39.3	35.8	35.8	39.3	57.2	46.5	14.3	3.6
87.5°	17.9	17.9	17.9	14.3	14.3	17.9	21.5	17.9	7.2	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
285822.0
280846.8
267140.6
243480.4
212509.3
177321.2
142666.0
111512.5
85935.1
68283.8
52267.1
28846.5
17865.9
11499.3
6677.8
3551.7
1910.0
1166.0
847.7
672.4
586.6
522.2
447.1
382.7
325.5
289.7
261.1
232.5
200.3
178.8
143.1
118.0
85.8
64.4
42.9
25.0
14.3
7.2
3.6
3.6
3.6
3.6
0.0

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