

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: P636182

Luminaire Tested: **IFLD-L-SA8A-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636182
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20980.6 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

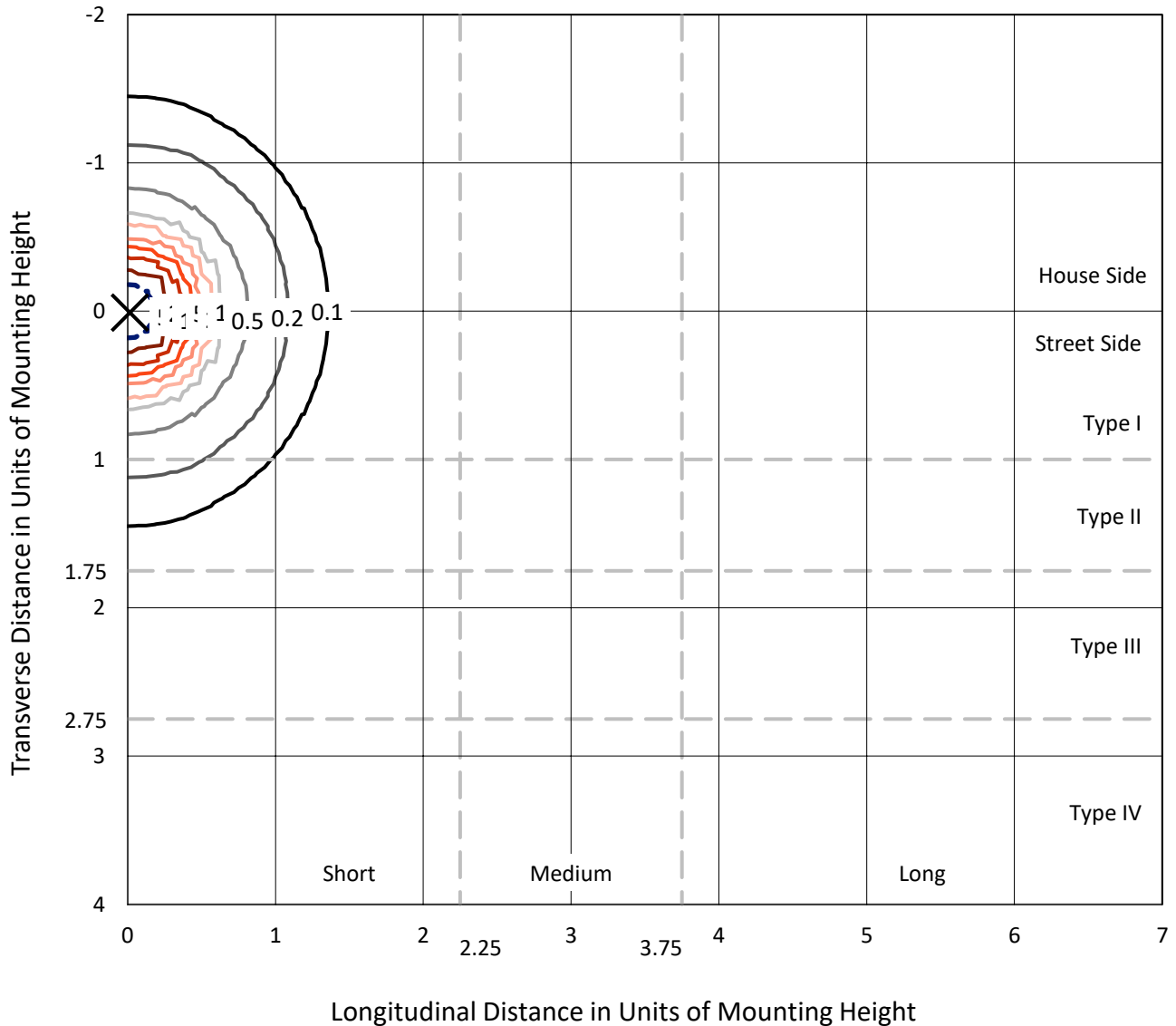
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

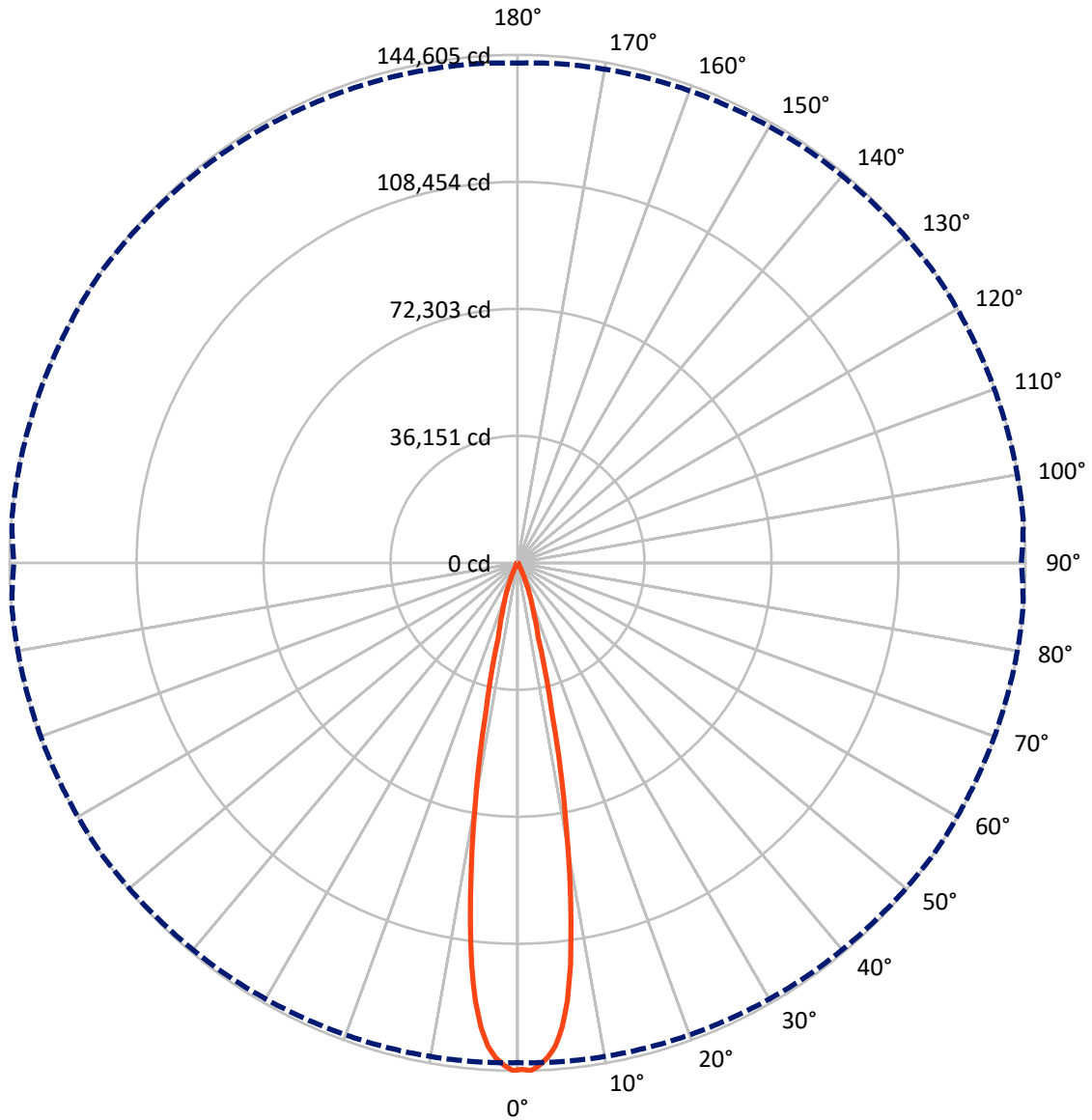
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 360.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10490.3	0.0	10490.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10490.3	0.0	10490.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	20980.6	0.0	20980.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10659.7	50.8
10°-20°	7554.7	36.0
20°-30°	1770.2	8.4
30°-40°	370.0	1.8
40°-50°	238.7	1.1
50°-60°	176.8	0.8
60°-70°	120.2	0.6
70°-80°	64.1	0.3
80°-90°	26.3	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°	20980.6	100.0
0°-180°	20980.6	100.0

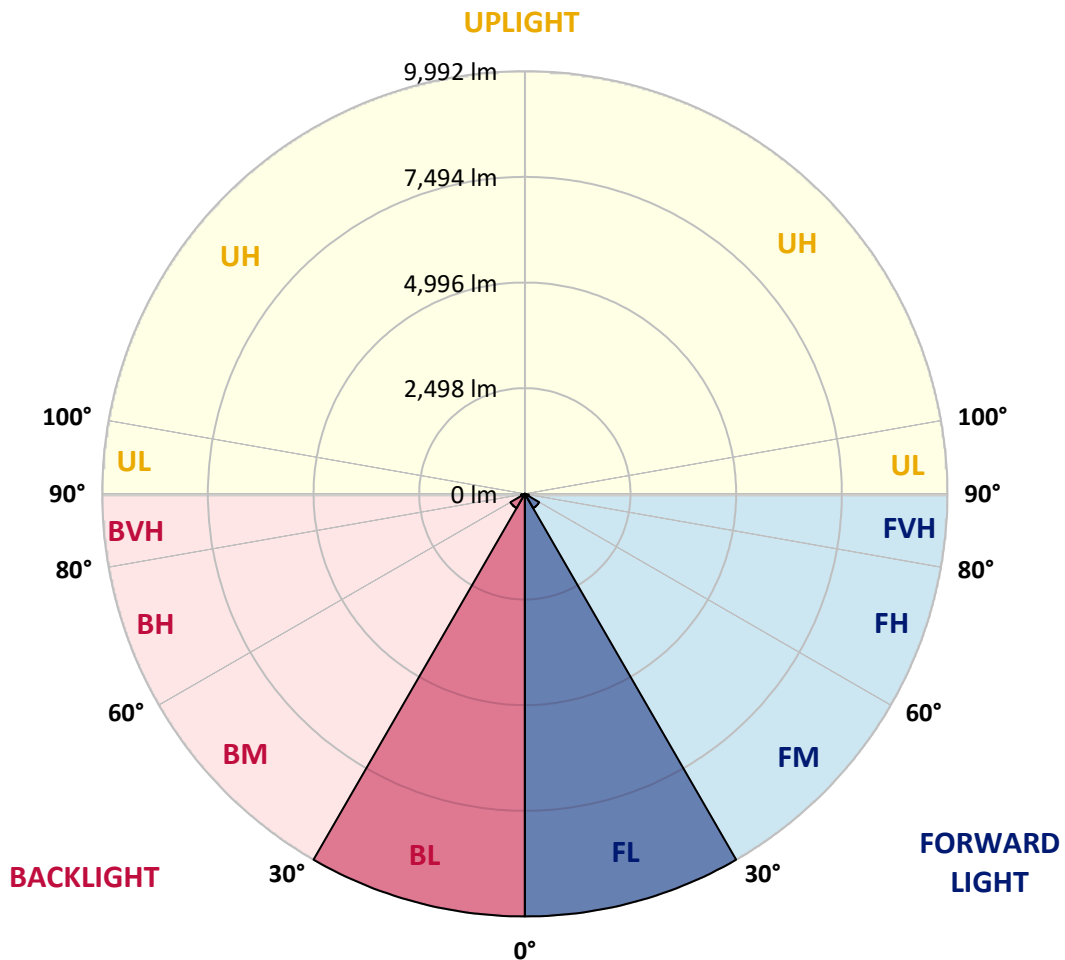


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9992.3	47.6			
FM (30°-60°)	392.7	1.9			
FH (60°-80°)	92.1	0.4			G0/660
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	9992.3	47.6	B5		
BM (30°-60°)	392.7	1.9	B1/1000		
BH (60°-80°)	92.1	0.4	B0/110		G0/660
BVH (80°-90°)	13.1	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°	144234.2	144234.2	144234.2	144234.2	144234.2	144234.2	144234.2	144234.2	144234.2	144234.2
1°	142293.6	142557.1	142879.9	143173.0	143614.5	143974.4	144605.2	144471.6	144453.1	144479.1
2°	139536.8	139867.0	140364.2	140657.3	141796.4	142263.9	143217.5	143499.5	143273.2	143529.2
3°	135407.1	135678.0	136457.2	137032.3	138509.0	139770.6	141046.9	141469.9	141206.5	141325.2
4°	130490.9	130769.1	131711.6	132884.1	135017.5	136416.4	137945.1	138323.5	137462.7	137522.1
5°	124639.6	124769.4	125923.4	126992.0	129544.7	131240.4	132691.1	132809.9	132023.3	131722.7
6°	118057.3	117823.6	118884.8	119337.4	122509.8	124238.9	125300.0	125162.7	124565.4	124309.4
7°	110235.8	109916.7	110773.8	110528.9	113337.7	114324.7	115345.0	114877.5	114402.6	114992.5
8°	101186.2	101008.1	100455.2	101457.0	102013.6	102896.7	102893.0	102622.1	102607.3	103590.5
9°	88029.1	89672.8	89186.8	90236.8	90095.8	90055.0	89784.1	89609.7	88867.7	89999.3
10°	73580.8	74656.8	75476.8	77042.6	76738.4	77168.8	75662.4	75918.4	75424.9	76359.9
12.5°	38087.2	39296.8	40005.5	41200.2	42513.7	43856.9	43422.7	42973.8	42302.2	43125.9
15°	18748.6	19227.3	19453.6	20666.9	21601.9	21939.6	21991.5	21594.5	21423.8	21601.9
17.5°	11505.9	11672.9	12329.6	13724.7	14533.6	14734.0	14604.1	14170.0	13683.9	13479.9
20°	8329.8	8378.1	8626.7	8897.5	9977.3	10541.2	10333.4	9906.8	9457.8	9246.3
22.5°	5439.4	5487.7	5569.3	5717.7	6007.1	6704.7	6478.3	6188.9	5884.7	5821.6
25°	3079.6	3079.6	3165.0	3317.1	3532.3	3584.2	3628.8	3320.8	3179.8	3116.7
27.5°	1717.9	1729.0	1747.6	1807.0	1914.6	1903.4	1855.2	1773.6	1677.1	1576.9
30°	949.9	961.0	972.1	987.0	1005.5	972.1	942.4	927.6	886.8	875.7
32.5°	712.4	712.4	719.8	716.1	697.6	656.7	638.2	660.5	656.7	638.2
35°	586.2	586.2	593.7	608.5	571.4	541.7	526.9	556.6	556.6	545.4
37.5°	478.6	482.4	486.1	504.6	493.5	460.1	456.4	463.8	467.5	463.8
40°	419.3	415.6	415.6	419.3	411.9	404.4	397.0	393.3	397.0	393.3
42.5°	363.6	359.9	367.3	359.9	345.1	348.8	348.8	337.6	341.4	333.9
45°	319.1	315.4	319.1	311.7	300.5	304.3	304.3	289.4	289.4	285.7
47.5°	282.0	282.0	282.0	285.7	267.1	263.4	267.1	263.4	252.3	248.6
50°	244.9	248.6	252.3	259.7	241.2	233.8	233.8	233.8	226.3	222.6
52.5°	226.3	230.0	230.0	230.0	218.9	211.5	211.5	207.8	204.1	200.4
55°	218.9	218.9	218.9	204.1	200.4	196.7	185.5	181.8	178.1	178.1
57.5°	207.8	207.8	204.1	192.9	181.8	181.8	167.0	163.3	159.5	159.5
60°	185.5	185.5	185.5	181.8	167.0	163.3	148.4	141.0	137.3	137.3
62.5°	170.7	170.7	170.7	155.8	152.1	141.0	129.9	118.7	115.0	107.6
65°	155.8	155.8	155.8	141.0	133.6	122.4	107.6	96.5	89.0	77.9
67.5°	144.7	144.7	141.0	129.9	118.7	103.9	89.0	77.9	63.1	55.7
70°	126.2	126.2	122.4	115.0	103.9	92.8	74.2	59.4	48.2	37.1
72.5°	107.6	107.6	103.9	96.5	89.0	77.9	63.1	51.9	33.4	26.0
75°	89.0	89.0	85.3	77.9	74.2	66.8	55.7	40.8	26.0	11.1
77.5°	74.2	74.2	70.5	66.8	63.1	55.7	48.2	33.4	18.6	7.4
80°	55.7	59.4	59.4	59.4	51.9	48.2	44.5	33.4	14.8	3.7
82.5°	40.8	44.5	44.5	44.5	40.8	37.1	40.8	29.7	14.8	3.7
85°	29.7	29.7	33.4	33.4	33.4	33.4	44.5	33.4	11.1	3.7
87.5°	14.8	14.8	14.8	14.8	14.8	18.6	22.3	18.6	7.4	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
144234.2
143443.9
142557.1
140434.7
136639.0
131095.7
123734.2
114810.7
100863.4
87888.1
73963.0
40896.0
20770.8
13194.2
9083.0
5691.7
3064.8
1580.6
875.7
627.1
541.7
463.8
397.0
337.6
285.7
248.6
218.9
196.7
174.4
159.5
133.6
100.2
77.9
51.9
37.1
22.3
11.1
3.7
3.7
3.7
3.7
0.0
0.0

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