

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: P635997

Luminaire Tested: **IFLD-S-SA6E-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635997
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-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: 31831.6 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

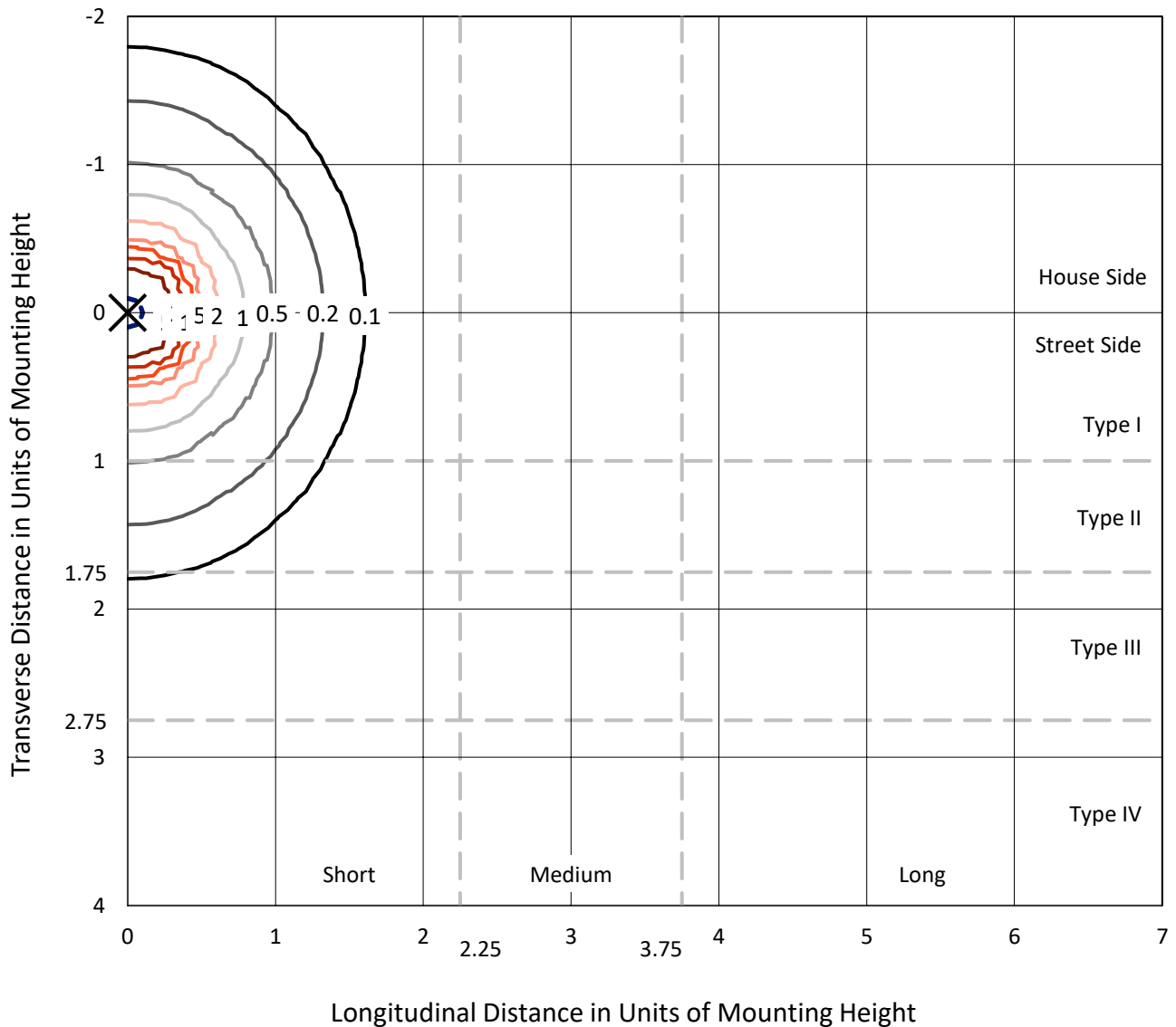
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

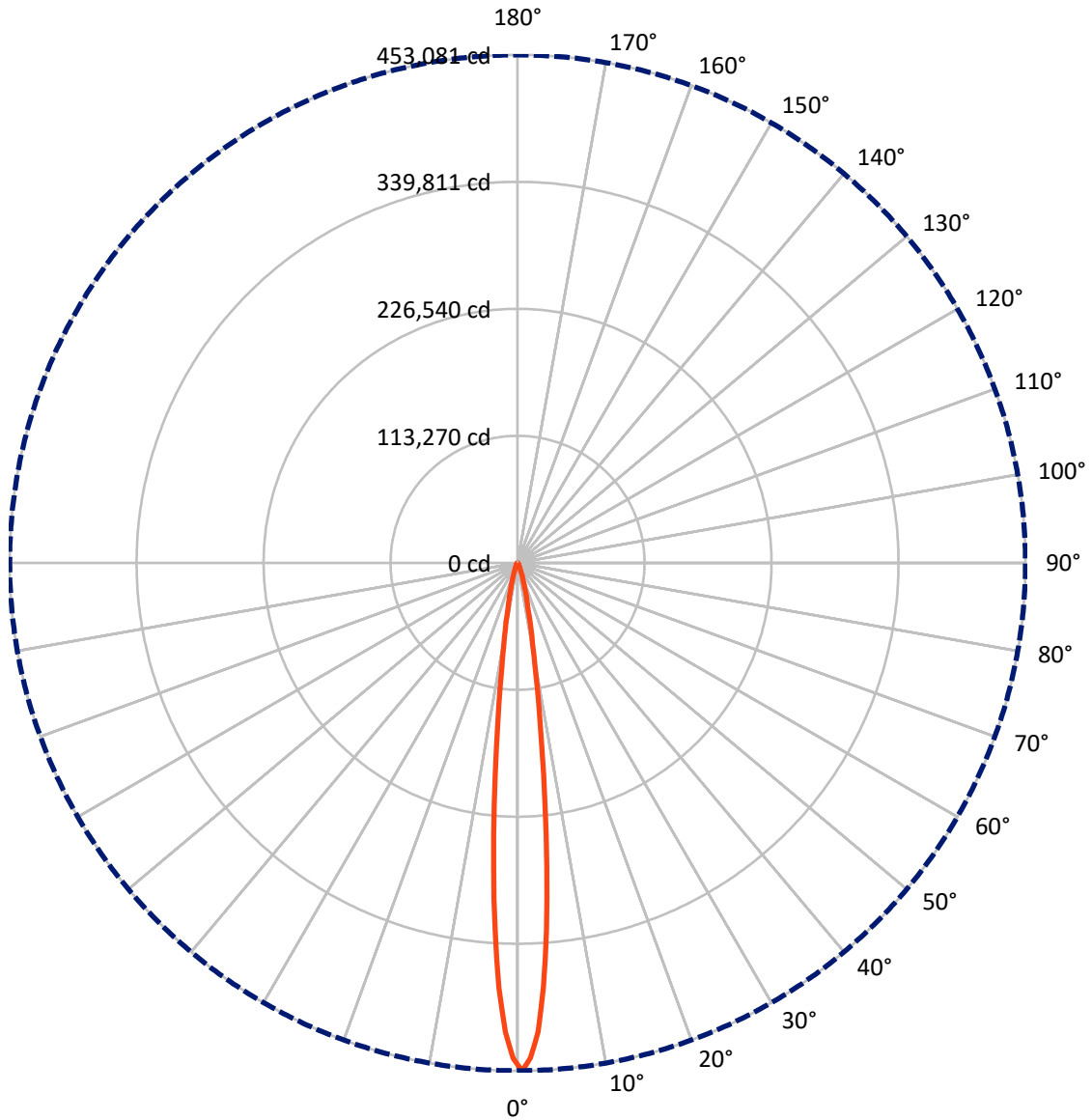
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1132.7 fc
 Type V - Short - N/A

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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	15915.8	0.0	15915.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15915.8	0.0	15915.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	31831.6	0.0	31831.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19403.9	61.0
10°-20°	8693.1	27.3
20°-30°	1941.4	6.1
30°-40°	633.6	2.0
40°-50°	437.0	1.4
50°-60°	330.2	1.0
60°-70°	226.0	0.7
70°-80°	119.0	0.4
80°-90°	47.5	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°	31831.6	100.0
0°-180°	31831.6	100.0

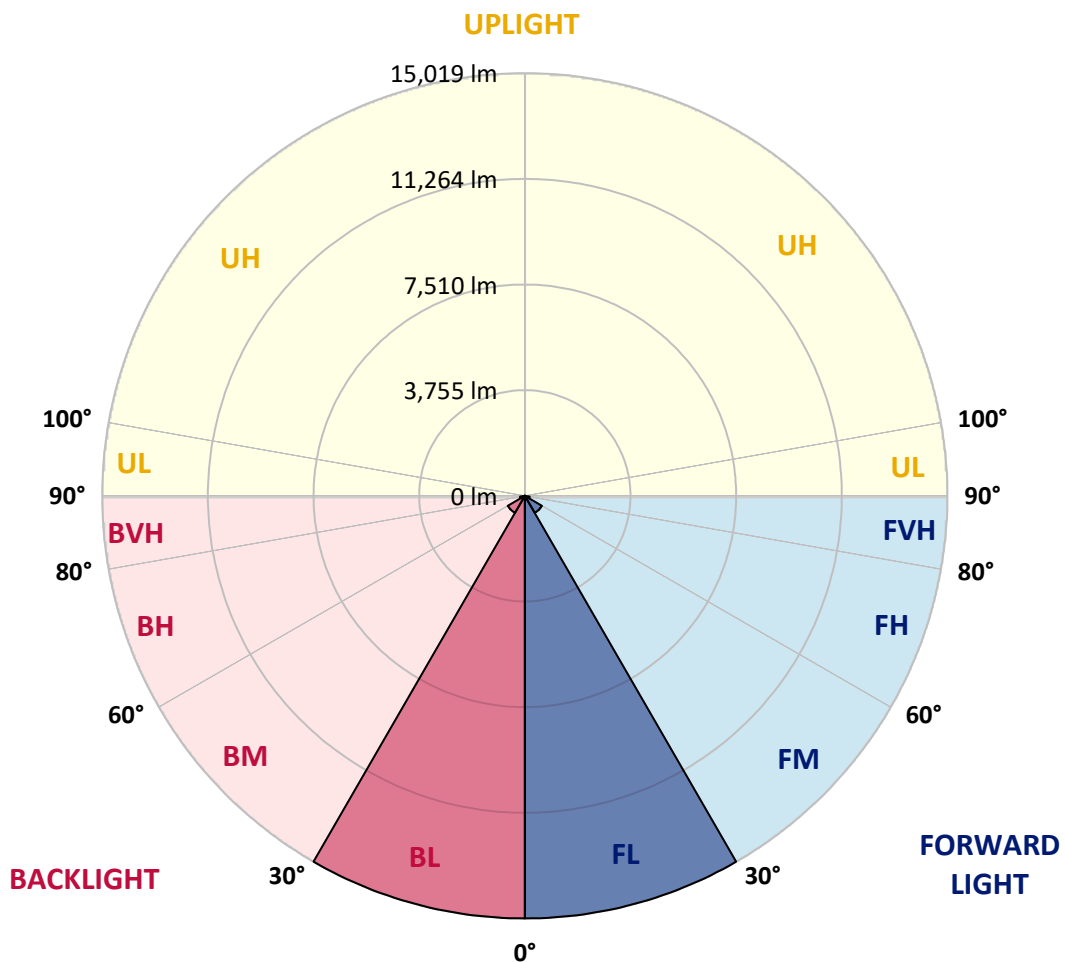


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15019.2	47.2			
FM (30°-60°)	700.4	2.2			
FH (60°-80°)	172.5	0.5			G0/660
FVH (80°-90°)	23.7	0.1			G1/100
BL (0°-30°)	15019.2	47.2	B5		
BM (30°-60°)	700.4	2.2	B1/1000		
BH (60°-80°)	172.5	0.5	B1/500		G0/660
BVH (80°-90°)	23.7	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°	453080.9	453080.9	453080.9	453080.9	453080.9	453080.9	453080.9	453080.9	453080.9	453080.9
1°	441832.0	442433.0	441763.9	445143.2	446537.9	447263.7	447348.7	449253.8	447785.3	448193.5
2°	418546.0	419884.1	417644.5	419810.4	424142.2	425780.7	423110.2	426410.1	425230.8	425916.8
3°	379418.6	381057.2	377961.5	380609.3	386182.7	387430.1	383053.0	387741.9	387622.8	388609.4
4°	328985.6	331644.7	327222.3	330357.7	332824.0	337167.1	332926.1	338261.4	338159.3	339871.6
5°	271737.4	274612.0	270767.9	274022.4	276358.3	277974.2	276420.7	282323.0	282697.2	284466.2
6°	215719.6	218401.4	214109.4	217216.4	220918.8	221582.2	221179.6	226259.8	227388.1	226010.3
7°	166018.0	166687.0	166012.3	168835.9	171806.9	171914.6	172436.2	176904.0	177896.2	177420.0
8°	127145.7	124084.0	126714.8	128211.6	129130.1	133348.5	133660.3	135911.2	137736.9	137867.3
9°	96783.8	93948.9	96993.6	97588.9	99698.1	103445.8	102975.3	105436.0	106581.3	106507.6
10°	73787.0	72346.9	73872.1	74529.8	76264.7	79439.8	79989.8	81118.1	81968.6	82524.2
12.5°	40040.3	40374.8	41259.3	41951.0	44287.0	45131.8	45471.9	45568.3	45562.7	45653.4
15°	24873.5	25145.6	25763.7	27016.7	28439.8	29488.7	29636.1	29091.8	28621.2	28547.5
17.5°	15512.6	15404.9	16856.4	18228.5	19940.8	20485.1	19918.1	19294.4	18653.7	18285.2
20°	9309.8	9383.6	9876.8	10489.2	11872.6	12813.8	12224.1	11589.1	10925.7	10489.2
22.5°	5289.9	5369.3	5584.8	5902.3	6429.6	7285.7	6911.5	6270.8	5800.2	5607.5
25°	3124.1	3124.1	3254.5	3396.2	3617.3	3815.8	3736.4	3396.2	3118.4	3039.0
27.5°	2024.1	2007.1	2052.5	2120.5	2222.6	2233.9	2143.2	2041.1	1899.4	1848.4
30°	1479.8	1485.5	1479.8	1508.2	1502.5	1462.8	1406.1	1411.8	1355.1	1349.4
32.5°	1202.0	1207.7	1207.7	1202.0	1173.7	1111.3	1071.6	1111.3	1099.9	1088.6
35°	997.9	1003.6	1060.3	1054.6	1009.2	941.2	912.8	958.2	992.2	941.2
37.5°	861.8	867.5	912.8	935.5	878.8	833.5	799.4	839.1	890.2	833.5
40°	759.8	765.4	776.8	782.4	754.1	731.4	714.4	725.7	748.4	720.1
42.5°	669.0	663.4	669.0	663.4	629.3	640.7	629.3	612.3	629.3	606.7
45°	584.0	584.0	584.0	567.0	533.0	555.6	544.3	527.3	533.0	516.0
47.5°	533.0	533.0	533.0	510.3	481.9	481.9	487.6	459.3	464.9	459.3
50°	481.9	481.9	493.3	470.6	447.9	430.9	436.6	413.9	419.6	413.9
52.5°	442.2	442.2	442.2	430.9	413.9	402.6	391.2	379.9	374.2	368.5
55°	425.2	425.2	419.6	385.5	379.9	368.5	345.9	340.2	328.8	323.2
57.5°	396.9	396.9	391.2	362.9	340.2	340.2	306.2	300.5	283.5	283.5
60°	351.5	351.5	345.9	340.2	311.8	294.8	272.2	260.8	243.8	238.1
62.5°	334.5	334.5	323.2	294.8	289.2	260.8	238.1	215.5	204.1	192.8
65°	311.8	306.2	300.5	272.2	249.5	232.5	204.1	175.8	164.4	141.7
67.5°	277.8	277.8	272.2	249.5	226.8	198.4	170.1	147.4	119.1	102.1
70°	243.8	238.1	238.1	215.5	198.4	175.8	136.1	113.4	85.0	68.0
72.5°	204.1	204.1	198.4	181.4	170.1	153.1	119.1	90.7	56.7	45.4
75°	164.4	164.4	158.8	147.4	141.7	124.7	102.1	79.4	45.4	22.7
77.5°	136.1	130.4	130.4	119.1	113.4	102.1	85.0	62.4	34.0	17.0
80°	102.1	102.1	107.7	102.1	90.7	85.0	73.7	56.7	28.3	11.3
82.5°	73.7	73.7	79.4	79.4	79.4	73.7	73.7	56.7	28.3	5.7
85°	51.0	51.0	62.4	56.7	56.7	62.4	90.7	73.7	22.7	5.7
87.5°	28.3	28.3	28.3	22.7	22.7	28.3	34.0	28.3	11.3	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
453080.9
445194.2
423467.4
385961.6
336866.6
281086.9
226152.1
176767.9
136223.1
108242.5
82853.1
45727.1
28320.7
18228.5
10585.6
5630.1
3027.7
1848.4
1343.7
1065.9
929.9
827.8
708.7
606.7
516.0
459.3
413.9
368.5
317.5
283.5
226.8
187.1
136.1
102.1
68.0
39.7
22.7
11.3
5.7
5.7
5.7
5.7
0.0

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