

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: P635906

Luminaire Tested: **IFLD-S-SA6A-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635906
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13160 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.6
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



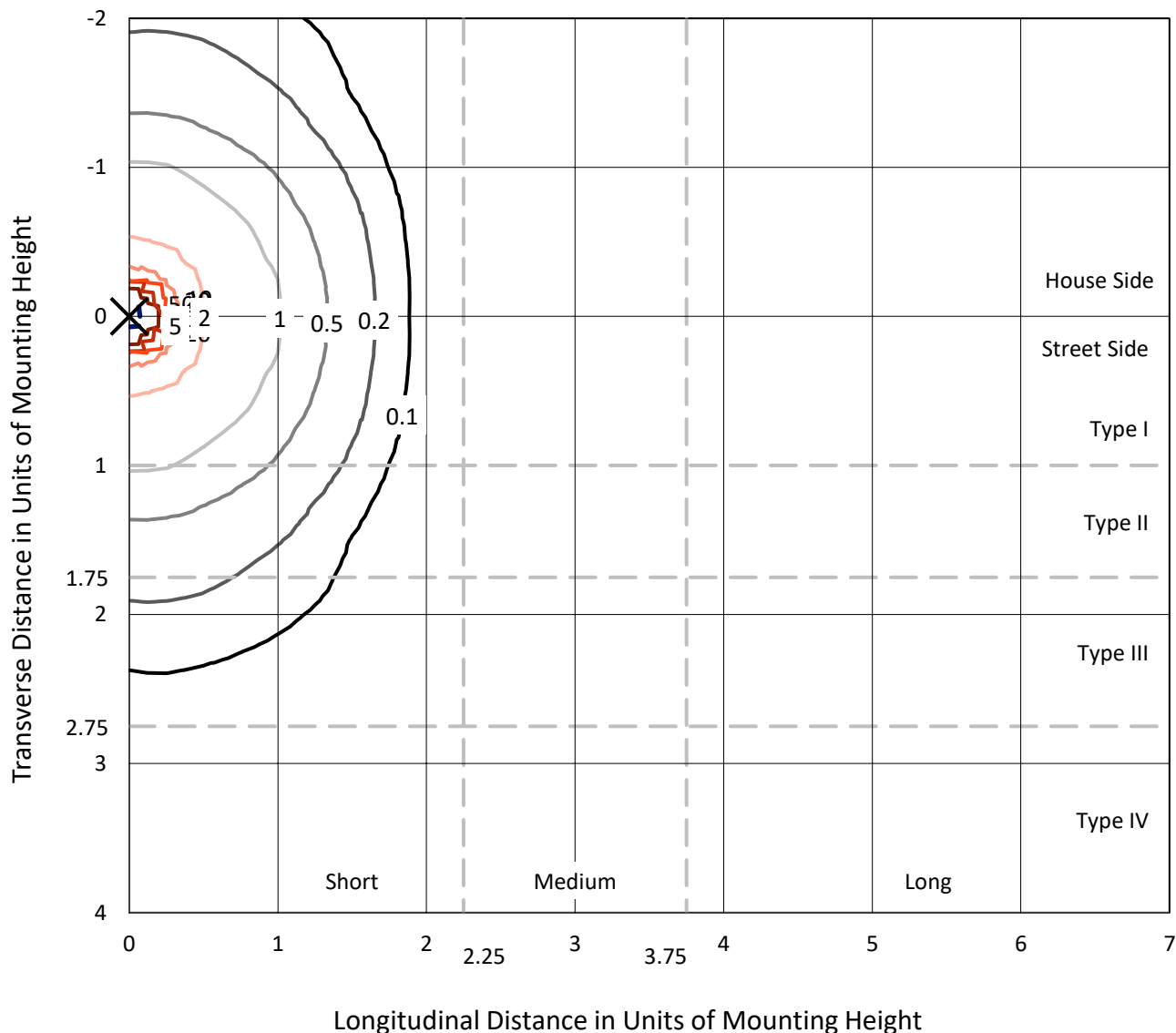
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

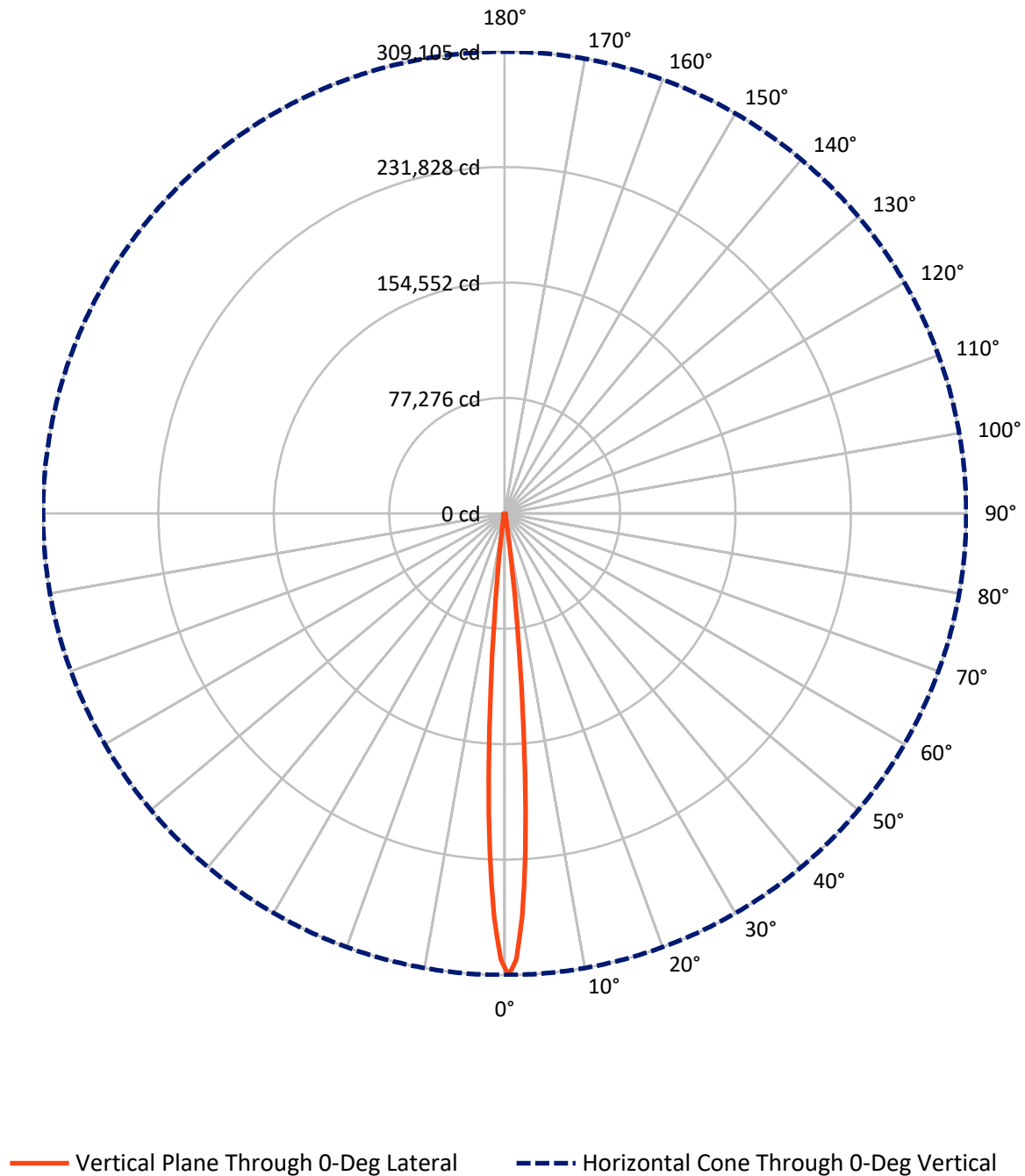


Based on 20 foot mounting height. Maximum calculated value = 772.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6580.0	0.0	6580.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6580.0	0.0	6580.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13160.0	0.0	13160.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8306.3	63.1
10°-20°	1026.6	7.8
20°-30°	615.0	4.7
30°-40°	661.3	5.0
40°-50°	889.2	6.8
50°-60°	792.7	6.0
60°-70°	523.6	4.0
70°-80°	259.6	2.0
80°-90°	85.7	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°	13160.0	100.0
0°-180°	13160.0	100.0



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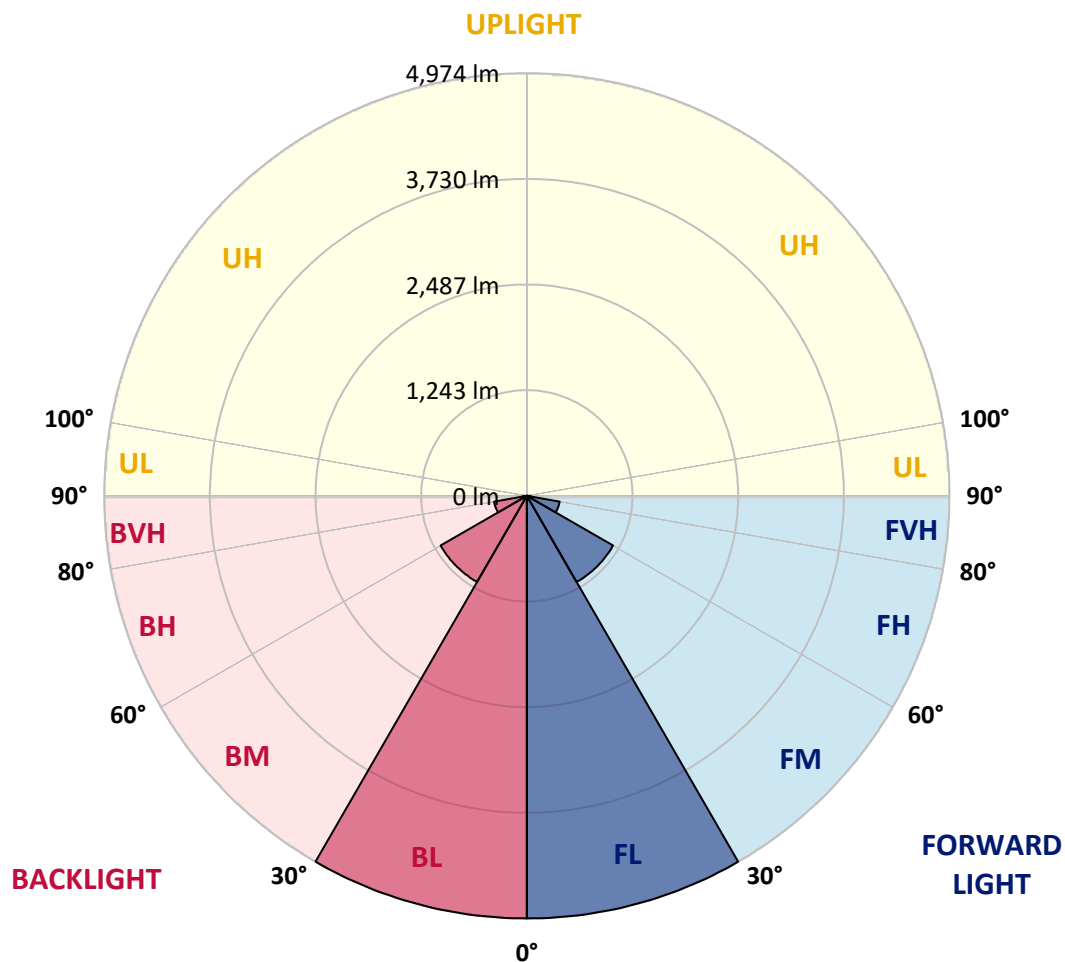
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4973.9	37.8			
FM	(30°-60°)	1171.6	8.9			
FH	(60°-80°)	391.6	3.0			G0/660
FVH	(80°-90°)	42.9	0.3			G1/100
BL	(0°-30°)	4973.9	37.8	B4/5000		
BM	(30°-60°)	1171.6	8.9	B2/2500		
BH	(60°-80°)	391.6	3.0	B1/500		G0/660
BVH	(80°-90°)	42.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	309104.6	309104.6	309104.6	309104.6	309104.6	309104.6	309104.6	309104.6	309104.6	309104.6
1°	298743.9	295677.5	297254.7	298762.0	300876.0	301807.2	302756.5	303466.2	303454.1	304624.8
2°	270212.5	265271.7	267561.6	270370.2	275802.3	277361.2	279966.6	283190.7	283387.8	286305.5
3°	227756.6	220820.2	224192.9	229194.3	238199.2	240528.6	244705.0	247653.1	246336.7	249751.9
4°	174773.3	165722.8	170875.9	178279.4	187044.7	195937.5	196113.4	198227.4	193887.2	193677.9
5°	117913.7	109933.9	116545.8	125805.6	133378.9	139593.6	143421.2	143685.1	138993.0	138565.4
6°	71915.3	66634.9	72388.5	82188.1	92679.2	95263.3	95848.7	94520.2	88366.3	84960.2
7°	39747.4	37594.0	43217.1	49064.7	57244.7	61026.9	58409.4	54163.2	52279.7	48224.6
8°	21919.4	20857.9	22462.4	27515.3	33863.4	36347.4	33820.9	29410.9	26235.4	25113.2
9°	13214.8	12626.4	13281.5	15204.4	17946.2	19669.0	18222.2	16050.6	14710.0	14337.0
10°	8777.5	8547.0	8826.0	9475.1	10460.8	10964.3	10603.3	9742.0	9335.6	9311.3
12.5°	4607.1	4564.7	4634.4	4707.2	4877.1	4904.4	4840.7	4780.0	4686.0	4722.4
15°	2966.3	2926.8	2999.6	3093.7	3136.1	3163.4	3166.4	3133.1	3069.4	3039.1
17.5°	2162.5	2171.6	2177.7	2232.3	2314.2	2377.9	2350.6	2314.2	2241.4	2205.0
20°	1780.4	1783.4	1795.5	1825.9	1853.2	1941.1	1913.8	1859.2	1789.5	1762.2
22.5°	1522.6	1528.6	1534.7	1552.9	1559.0	1583.2	1586.3	1537.7	1498.3	1483.1
25°	1340.6	1340.6	1349.7	1364.8	1370.9	1352.7	1355.7	1334.5	1298.1	1279.9
27.5°	1137.4	1143.4	1152.5	1158.6	1146.5	1125.2	1097.9	1116.1	1097.9	1055.5
30°	1013.0	1019.1	1046.4	1028.2	1000.9	973.6	958.4	982.7	985.7	949.3
32.5°	1003.9	1007.0	1016.1	1007.0	973.6	940.2	919.0	946.3	952.4	937.2
35°	1049.4	1040.3	1052.4	1058.5	1025.2	988.8	961.5	985.7	1003.9	1010.0
37.5°	1270.8	1219.3	1179.8	1167.7	1146.5	1122.2	1085.8	1091.9	1125.2	1155.6
40°	1210.2	1198.0	1182.9	1143.4	1104.0	1134.3	1091.9	1079.7	1155.6	1161.6
42.5°	1201.1	1210.2	1198.0	1149.5	1110.1	1140.4	1131.3	1094.9	1170.7	1161.6
45°	1207.1	1216.2	1243.5	1161.6	1128.3	1143.4	1161.6	1122.2	1198.0	1167.7
47.5°	1158.6	1170.7	1201.1	1155.6	1134.3	1131.3	1158.6	1122.2	1161.6	1158.6
50°	1094.9	1107.0	1116.1	1076.7	1116.1	1094.9	1097.9	1082.8	1082.8	1088.8
52.5°	1013.0	1025.2	1034.3	988.8	1013.0	1022.1	985.7	982.7	955.4	964.5
55°	912.9	931.1	940.2	922.0	909.9	928.1	876.5	870.5	815.9	818.9
57.5°	797.7	815.9	825.0	846.2	837.1	800.7	770.4	746.1	685.5	661.2
60°	821.9	840.1	821.9	761.3	761.3	679.4	652.1	600.5	539.9	509.5
62.5°	794.6	818.9	815.9	752.2	676.4	573.2	524.7	470.1	409.5	370.0
65°	749.1	773.4	761.3	718.8	646.0	491.3	418.6	364.0	288.1	279.0
67.5°	673.3	709.7	685.5	658.2	600.5	445.9	333.6	273.0	209.3	209.3
70°	558.1	585.4	600.5	570.2	536.8	418.6	285.1	209.3	151.6	115.3
72.5°	448.9	473.1	497.4	482.2	451.9	379.1	254.8	166.8	109.2	66.7
75°	248.7	257.8	266.9	303.3	345.8	309.4	233.5	145.6	91.0	51.6
77.5°	191.1	200.2	221.4	203.2	188.0	239.6	254.8	169.8	78.9	36.4
80°	148.6	160.7	227.5	188.0	160.7	182.0	218.4	148.6	51.6	18.2
82.5°	112.2	121.3	160.7	178.9	169.8	136.5	118.3	100.1	45.5	12.1
85°	81.9	94.0	112.2	100.1	97.1	97.1	130.4	88.0	33.4	9.1
87.5°	48.5	48.5	51.6	48.5	45.5	45.5	51.6	42.5	21.2	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

309104.6

302271.2
283727.5
246100.2
192755.9
136833.5
85257.5
46319.9
24094.1
13830.5
9023.2
4585.9
2990.5
2165.6
1731.8
1464.9
1264.8
1058.5
937.2
928.1
1010.0
1182.9
1170.7
1155.6
1158.6
1152.5
1067.6
949.3
797.7
646.0
485.3
364.0
279.0
185.0
103.1
63.7
45.5
18.2
12.1
9.1
6.1
6.1
0.0

OF REPORT)