

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: P635884

Luminaire Tested: **IFLD-M-SA4C-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635884
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13361.9 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 218.1
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



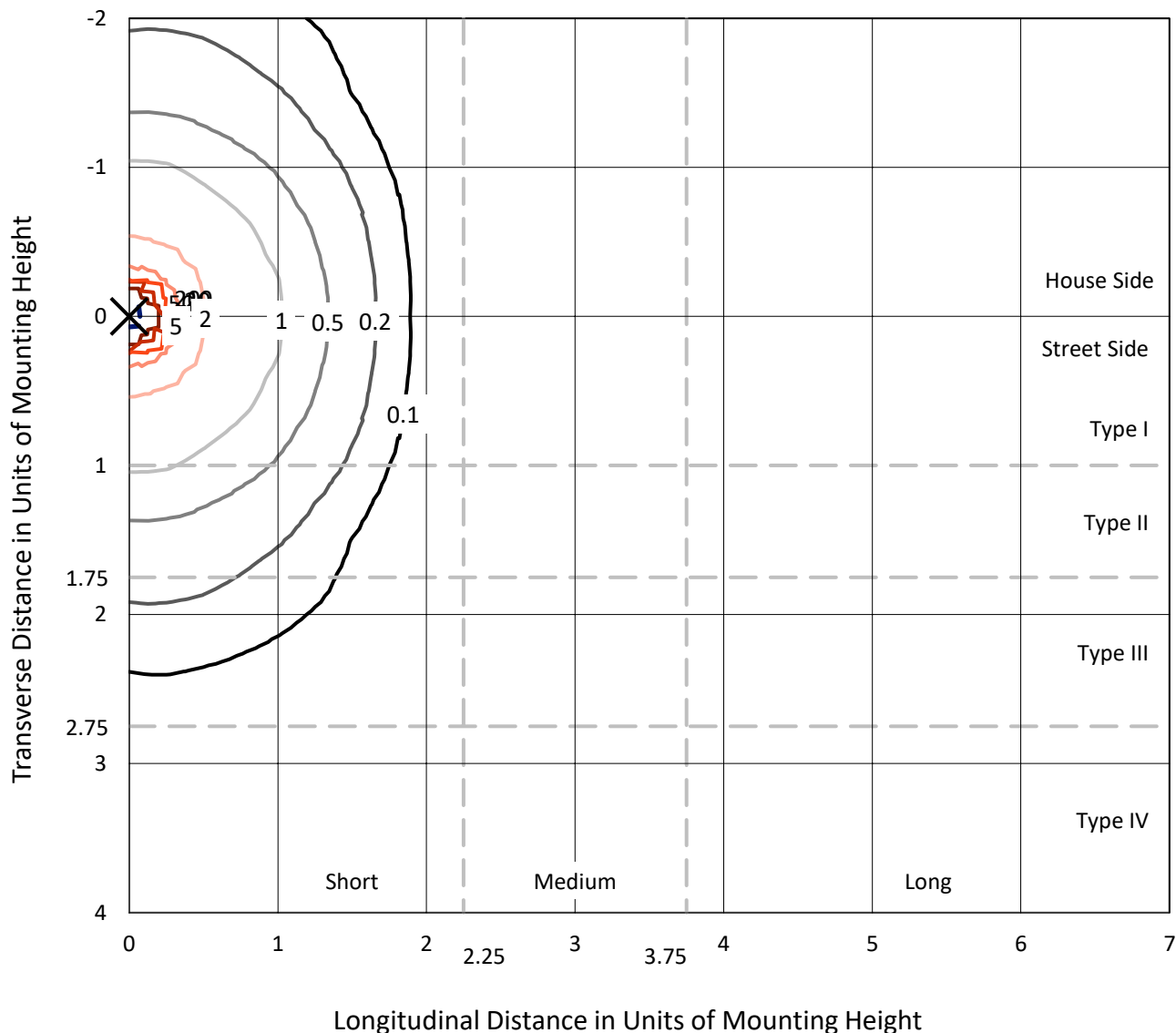
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

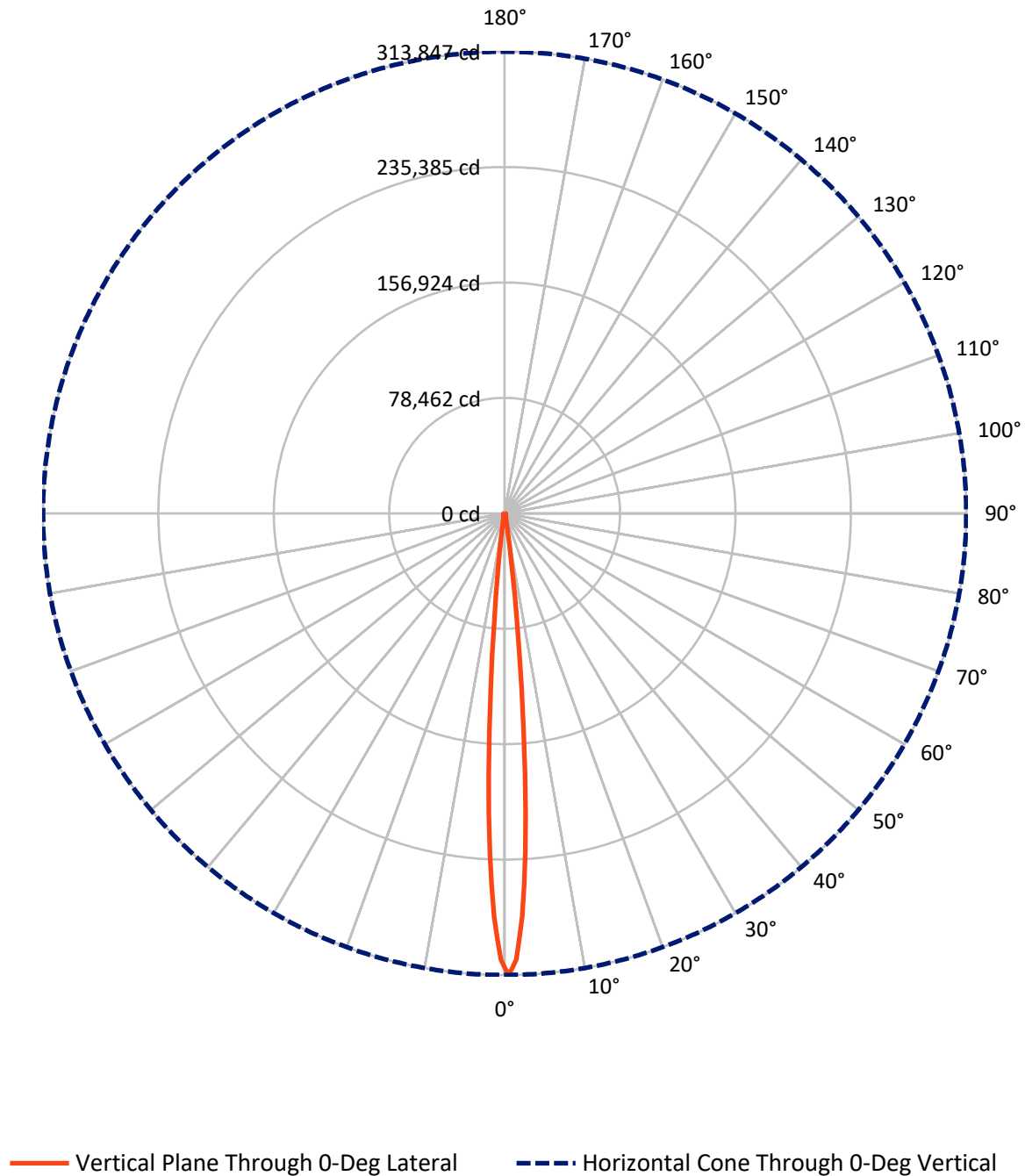


Based on 20 foot mounting height. Maximum calculated value = 784.6 fc

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	6681.0	0.0	6681.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6681.0	0.0	6681.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13361.9	0.0	13361.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8433.7	63.1
10°-20°	1042.3	7.8
20°-30°	624.5	4.7
30°-40°	671.5	5.0
40°-50°	902.9	6.8
50°-60°	804.8	6.0
60°-70°	531.6	4.0
70°-80°	263.6	2.0
80°-90°	87.0	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°	13361.9	100.0
0°-180°	13361.9	100.0



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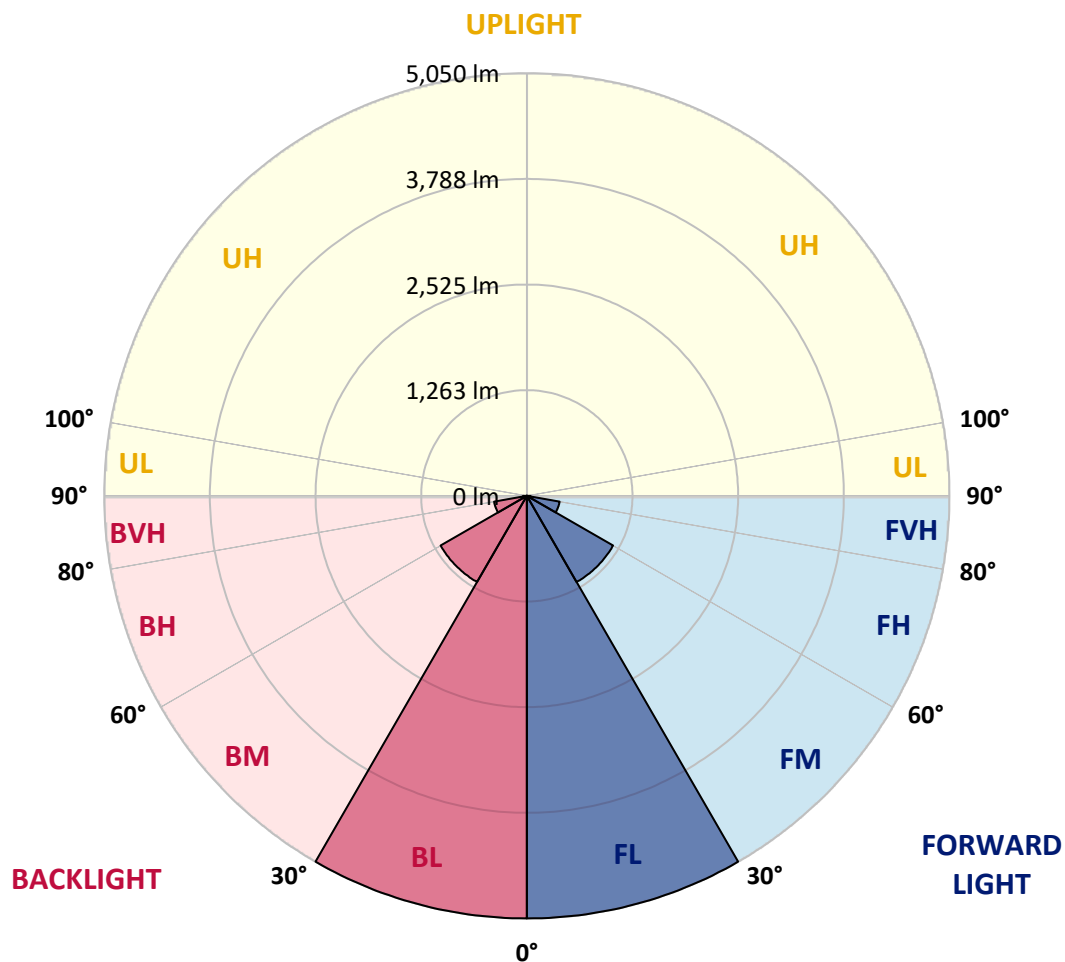
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5050.3	37.8			
FM	(30°-60°)	1189.6	8.9			
FH	(60°-80°)	397.6	3.0			G0/660
FVH	(80°-90°)	43.5	0.3			G1/100
BL	(0°-30°)	5050.3	37.8	B5		
BM	(30°-60°)	1189.6	8.9	B2/2500		
BH	(60°-80°)	397.6	3.0	B1/500		G0/660
BVH	(80°-90°)	43.5	0.3			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°	313847.0	313847.0	313847.0	313847.0	313847.0	313847.0	313847.0	313847.0	313847.0	313847.0
1°	303327.3	300213.9	301815.2	303345.8	305492.2	306437.6	307401.5	308122.1	308109.8	309298.5
2°	274358.2	269341.6	271666.7	274518.3	280033.7	281616.6	284261.9	287535.5	287735.6	290698.2
3°	231251.0	224208.1	227632.5	232710.6	241853.8	244218.8	248459.4	251452.7	250116.1	253583.7
4°	177454.7	168265.4	173497.5	181014.6	189914.5	198943.6	199122.2	201268.7	196861.9	196649.4
5°	119722.8	111620.6	118333.9	127735.7	135425.3	141735.2	145621.6	145889.5	141125.5	140691.3
6°	73018.7	67657.2	73499.1	83449.0	94101.1	96724.9	97319.2	95970.4	89722.0	86263.7
7°	40357.2	38170.7	43880.2	49817.5	58123.0	61963.2	59305.5	54994.2	53081.8	48964.5
8°	22255.7	21177.9	22807.0	27937.5	34382.9	36905.1	34339.8	29862.2	26637.9	25498.5
9°	13417.5	12820.1	13485.3	15437.7	18221.6	19970.7	18501.8	16296.9	14935.7	14556.9
10°	8912.2	8678.1	8961.4	9620.4	10621.3	11132.5	10766.0	9891.4	9478.8	9454.1
12.5°	4677.8	4634.7	4705.5	4779.4	4951.9	4979.6	4914.9	4853.3	4757.9	4794.8
15°	3011.8	2971.7	3045.7	3141.1	3184.2	3211.9	3215.0	3181.2	3116.5	3085.7
17.5°	2195.7	2204.9	2211.1	2266.5	2349.7	2414.3	2386.6	2349.7	2275.8	2238.8
20°	1807.7	1810.8	1823.1	1853.9	1881.6	1970.9	1943.2	1887.8	1816.9	1789.2
22.5°	1545.9	1552.1	1558.2	1576.7	1582.9	1607.5	1610.6	1561.3	1521.3	1505.9
25°	1361.2	1361.2	1370.4	1385.8	1391.9	1373.5	1376.5	1355.0	1318.0	1299.6
27.5°	1154.8	1161.0	1170.2	1176.4	1164.1	1142.5	1114.8	1133.3	1114.8	1071.7
30°	1028.6	1034.7	1062.4	1044.0	1016.2	988.5	973.1	997.8	1000.8	963.9
32.5°	1019.3	1022.4	1031.6	1022.4	988.5	954.7	933.1	960.8	967.0	951.6
35°	1065.5	1056.3	1068.6	1074.8	1040.9	1003.9	976.2	1000.8	1019.3	1025.5
37.5°	1290.3	1238.0	1197.9	1185.6	1164.1	1139.4	1102.5	1108.6	1142.5	1173.3
40°	1228.7	1216.4	1201.0	1161.0	1120.9	1151.7	1108.6	1096.3	1173.3	1179.5
42.5°	1219.5	1228.7	1216.4	1167.1	1127.1	1157.9	1148.7	1111.7	1188.7	1179.5
45°	1225.7	1234.9	1262.6	1179.5	1145.6	1161.0	1179.5	1139.4	1216.4	1185.6
47.5°	1176.4	1188.7	1219.5	1173.3	1151.7	1148.7	1176.4	1139.4	1179.5	1176.4
50°	1111.7	1124.0	1133.3	1093.2	1133.3	1111.7	1114.8	1099.4	1099.4	1105.6
52.5°	1028.6	1040.9	1050.1	1003.9	1028.6	1037.8	1000.8	997.8	970.1	979.3
55°	926.9	945.4	954.7	936.2	923.9	942.3	890.0	883.8	828.4	831.5
57.5°	809.9	828.4	837.6	859.2	849.9	813.0	782.2	757.6	696.0	671.3
60°	834.6	853.0	834.6	773.0	773.0	689.8	662.1	609.7	548.2	517.4
62.5°	806.8	831.5	828.4	763.7	686.7	582.0	532.8	477.3	415.7	375.7
65°	760.6	785.3	773.0	729.8	655.9	498.9	425.0	369.5	292.6	283.3
67.5°	683.7	720.6	696.0	668.3	609.7	452.7	338.7	277.2	212.5	212.5
70°	566.6	594.3	609.7	579.0	545.1	425.0	289.5	212.5	154.0	117.0
72.5°	455.8	480.4	505.0	489.6	458.8	384.9	258.7	169.4	110.9	67.7
75°	252.5	261.8	271.0	308.0	351.1	314.1	237.1	147.8	92.4	52.4
77.5°	194.0	203.2	224.8	206.3	190.9	243.3	258.7	172.5	80.1	37.0
80°	150.9	163.2	231.0	190.9	163.2	184.8	221.7	150.9	52.4	18.5
82.5°	113.9	123.2	163.2	181.7	172.5	138.6	120.1	101.6	46.2	12.3
85°	83.1	95.5	113.9	101.6	98.5	98.5	132.4	89.3	33.9	9.2
87.5°	49.3	49.3	52.4	49.3	46.2	46.2	52.4	43.1	21.6	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

313847.0

306908.8
288080.6
249875.9
195713.2
138932.9
86565.5
47030.5
24463.8
14042.6
9161.6
4656.2
3036.4
2198.8
1758.4
1487.4
1284.2
1074.8
951.6
942.3
1025.5
1201.0
1188.7
1173.3
1176.4
1170.2
1084.0
963.9
809.9
655.9
492.7
369.5
283.3
187.9
104.7
64.7
46.2
18.5
12.3
9.2
6.2
6.2
0.0

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