

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: P635914

Luminaire Tested: **IFLD-M-SA4D-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635914
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15253.7 lumens
Efficiency: N/A
Efficacy: 61.1 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): 249.7
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



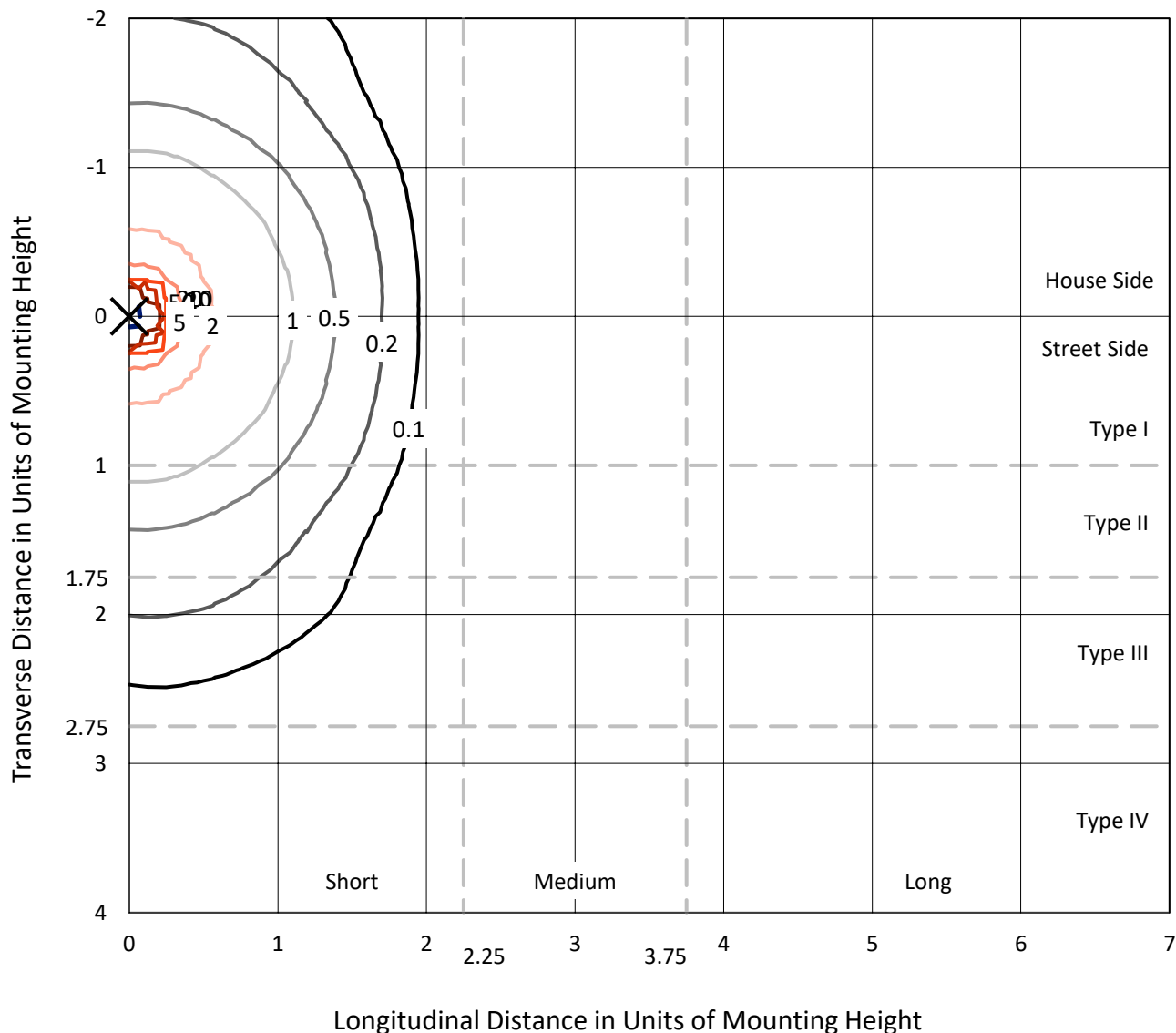
REPORT NUMBER: P635914

CATALOG NUMBER: IFLD-M-SA4D-935-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

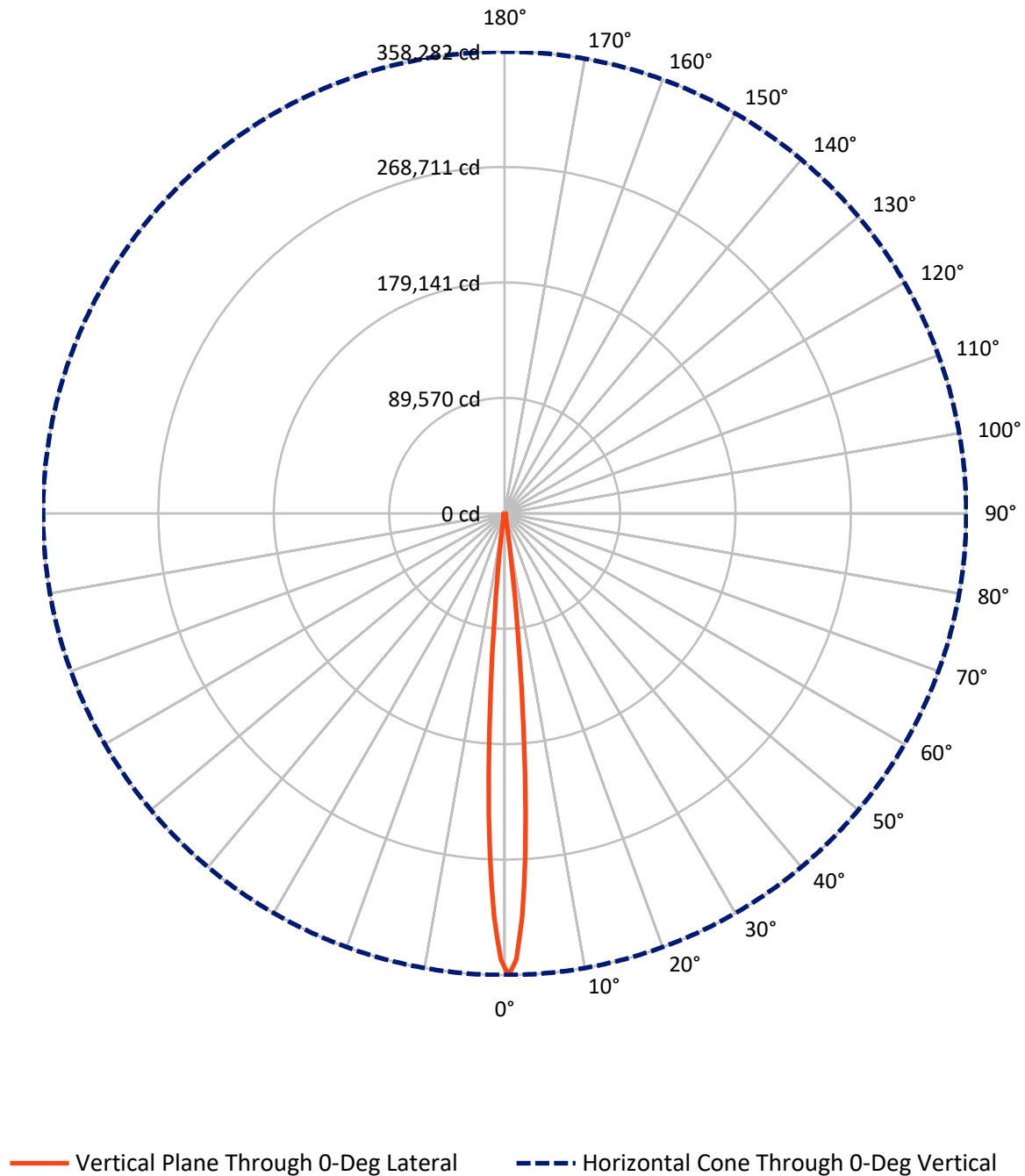


Based on 20 foot mounting height. Maximum calculated value = 895.7 fc

Type V - Short - N/A

REPORT NUMBER: P635914
CATALOG NUMBER: IFLD-M-SA4D-935-U-11-VI

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7626.8	0.0	7626.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7626.8	0.0	7626.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	15253.7	0.0	15253.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9627.8	63.1
10°-20°	1189.9	7.8
20°-30°	712.9	4.7
30°-40°	766.5	5.0
40°-50°	1030.7	6.8
50°-60°	918.8	6.0
60°-70°	606.9	4.0
70°-80°	300.9	2.0
80°-90°	99.3	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°	15253.7	100.0
0°-180°	15253.7	100.0

Coefficient of Utilization



REPORT NUMBER: P635914

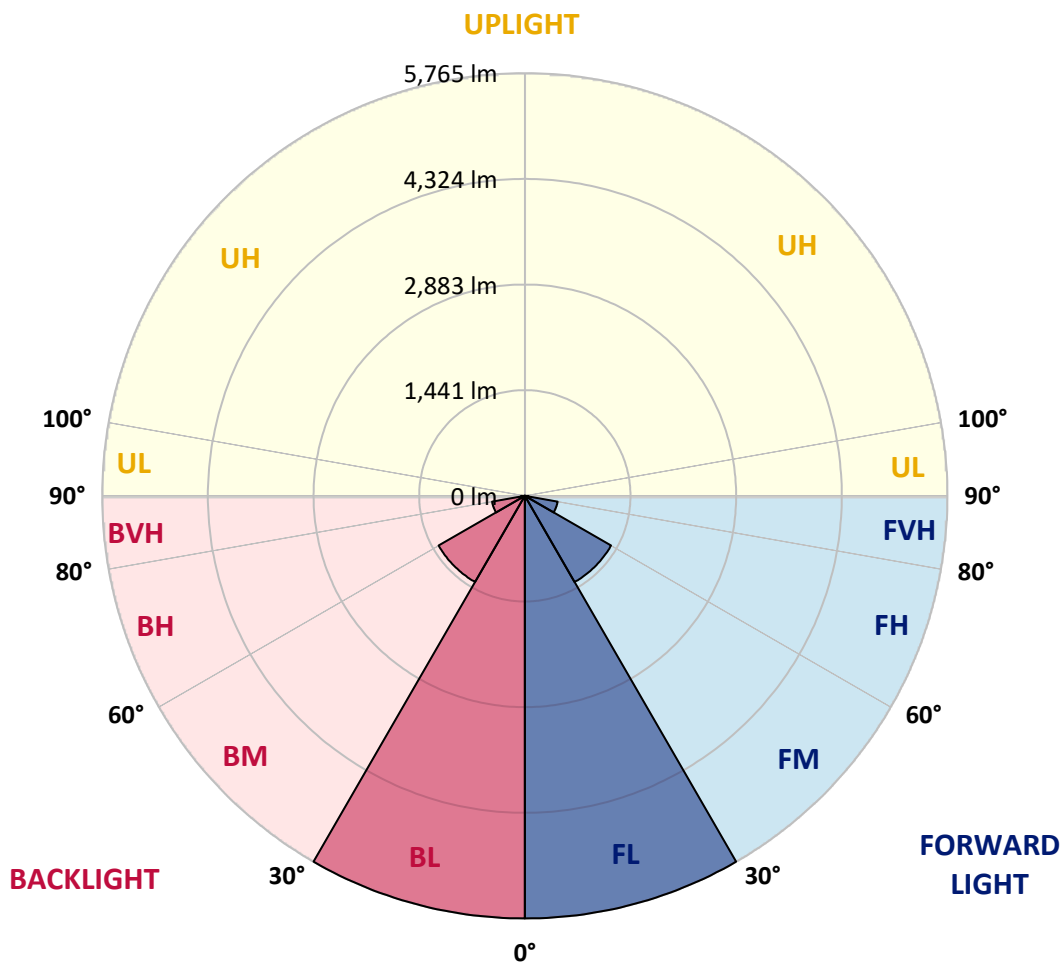
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5765.3	37.8			
FM	(30°-60°)	1358.0	8.9			
FH	(60°-80°)	453.9	3.0			G0/660
FVH	(80°-90°)	49.7	0.3			G1/100
BL	(0°-30°)	5765.3	37.8	B5		
BM	(30°-60°)	1358.0	8.9	B2/2500		
BH	(60°-80°)	453.9	3.0	B1/500		G0/660
BVH	(80°-90°)	49.7	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°	358281.8	358281.8	358281.8	358281.8	358281.8	358281.8	358281.8	358281.8	358281.8	358281.8
1°	346272.8	342718.6	344546.6	346293.8	348744.2	349823.4	350923.8	351746.4	351732.4	353089.4
2°	313202.2	307475.4	310129.6	313385.0	319681.3	321488.3	324508.1	328245.1	328473.6	331855.6
3°	263991.8	255951.7	259861.0	265658.1	276095.7	278795.7	283636.5	287053.6	285527.9	289486.4
4°	202578.9	192088.6	198061.5	206642.9	216802.8	227110.3	227314.2	229764.5	224733.8	224491.3
5°	136673.3	127423.9	135087.8	145820.7	154599.0	161802.3	166238.9	166544.8	161106.2	160610.5
6°	83356.8	77236.2	83905.2	95263.9	107424.1	110419.3	111097.8	109558.0	102425.0	98477.0
7°	46071.0	43575.0	50092.8	56870.7	66352.1	70736.0	67702.1	62780.3	60597.2	55896.9
8°	25406.7	24176.3	26036.0	31892.9	39250.9	42130.1	39201.7	34090.1	30409.3	29108.6
9°	15317.2	14635.2	15394.5	17623.4	20801.4	22798.2	21121.3	18604.2	17050.3	16617.9
10°	10173.9	9906.8	10230.2	10982.5	12125.1	12708.6	12290.3	11291.9	10820.8	10792.7
12.5°	5340.1	5290.9	5371.7	5456.1	5653.0	5684.6	5610.8	5540.5	5431.5	5473.7
15°	3438.2	3392.5	3476.9	3585.8	3635.1	3666.7	3670.2	3631.5	3557.7	3522.6
17.5°	2506.6	2517.1	2524.2	2587.4	2682.4	2756.2	2724.5	2682.4	2598.0	2555.8
20°	2063.6	2067.1	2081.2	2116.3	2148.0	2249.9	2218.3	2155.0	2074.2	2042.5
22.5°	1764.8	1771.8	1778.9	1800.0	1807.0	1835.1	1838.6	1782.4	1736.7	1719.1
25°	1553.9	1553.9	1564.4	1582.0	1589.0	1567.9	1571.4	1546.8	1504.6	1483.6
27.5°	1318.3	1325.4	1335.9	1342.9	1328.9	1304.3	1272.6	1293.7	1272.6	1223.4
30°	1174.2	1181.2	1212.9	1191.8	1160.1	1128.5	1110.9	1139.0	1142.5	1100.4
32.5°	1163.6	1167.2	1177.7	1167.2	1128.5	1089.8	1065.2	1096.8	1103.9	1086.3
35°	1216.4	1205.8	1219.9	1226.9	1188.2	1146.1	1114.4	1142.5	1163.6	1170.7
37.5°	1473.0	1413.2	1367.5	1353.5	1328.9	1300.7	1258.6	1265.6	1304.3	1339.4
40°	1402.7	1388.6	1371.1	1325.4	1279.7	1314.8	1265.6	1251.5	1339.4	1346.4
42.5°	1392.2	1402.7	1388.6	1332.4	1286.7	1321.8	1311.3	1269.1	1357.0	1346.4
45°	1399.2	1409.7	1441.4	1346.4	1307.8	1325.4	1346.4	1300.7	1388.6	1353.5
47.5°	1342.9	1357.0	1392.2	1339.4	1314.8	1311.3	1342.9	1300.7	1346.4	1342.9
50°	1269.1	1283.2	1293.7	1248.0	1293.7	1269.1	1272.6	1255.0	1255.0	1262.1
52.5°	1174.2	1188.2	1198.8	1146.1	1174.2	1184.7	1142.5	1139.0	1107.4	1117.9
55°	1058.2	1079.3	1089.8	1068.7	1054.7	1075.8	1016.0	1009.0	945.7	949.2
57.5°	924.6	945.7	956.2	980.8	970.3	928.1	892.9	864.8	794.5	766.4
60°	952.7	973.8	952.7	882.4	882.4	787.5	755.8	696.1	625.8	590.6
62.5°	921.1	949.2	945.7	871.9	784.0	664.4	608.2	544.9	474.6	428.9
65°	868.3	896.5	882.4	833.2	748.8	569.5	485.1	421.9	334.0	323.4
67.5°	780.4	822.6	794.5	762.9	696.1	516.8	386.7	316.4	242.6	242.6
70°	646.9	678.5	696.1	660.9	622.2	485.1	330.5	242.6	175.8	133.6
72.5°	520.3	548.4	576.5	559.0	523.8	439.4	295.3	193.4	126.6	77.3
75°	288.3	298.8	309.4	351.6	400.8	358.6	270.7	168.7	105.5	59.8
77.5°	221.5	232.0	256.6	235.5	218.0	277.7	295.3	196.9	91.4	42.2
80°	172.3	186.3	263.7	218.0	186.3	210.9	253.1	172.3	59.8	21.1
82.5°	130.1	140.6	186.3	207.4	196.9	158.2	137.1	116.0	52.7	14.1
85°	94.9	109.0	130.1	116.0	112.5	112.5	151.2	102.0	38.7	10.5
87.5°	56.2	56.2	59.8	56.2	52.7	52.7	59.8	49.2	24.6	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

358281.8
350361.3
328867.4
285253.7
223422.5
158603.2
98821.6
53689.2
27927.4
16030.8
10458.7
5315.5
3466.3
2510.1
2007.4
1698.0
1466.0
1226.9
1086.3
1075.8
1170.7
1371.1
1357.0
1339.4
1342.9
1335.9
1237.5
1100.4
924.6
748.8
562.5
421.9
323.4
214.4
119.5
73.8
52.7
21.1
14.1
10.5
7.0
7.0
0.0

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