

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: P635946

Luminaire Tested: **IFLD-L-SA7B-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635946
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18896.5 lumens
Efficiency: N/A
Efficacy: 67.2 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): 281
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



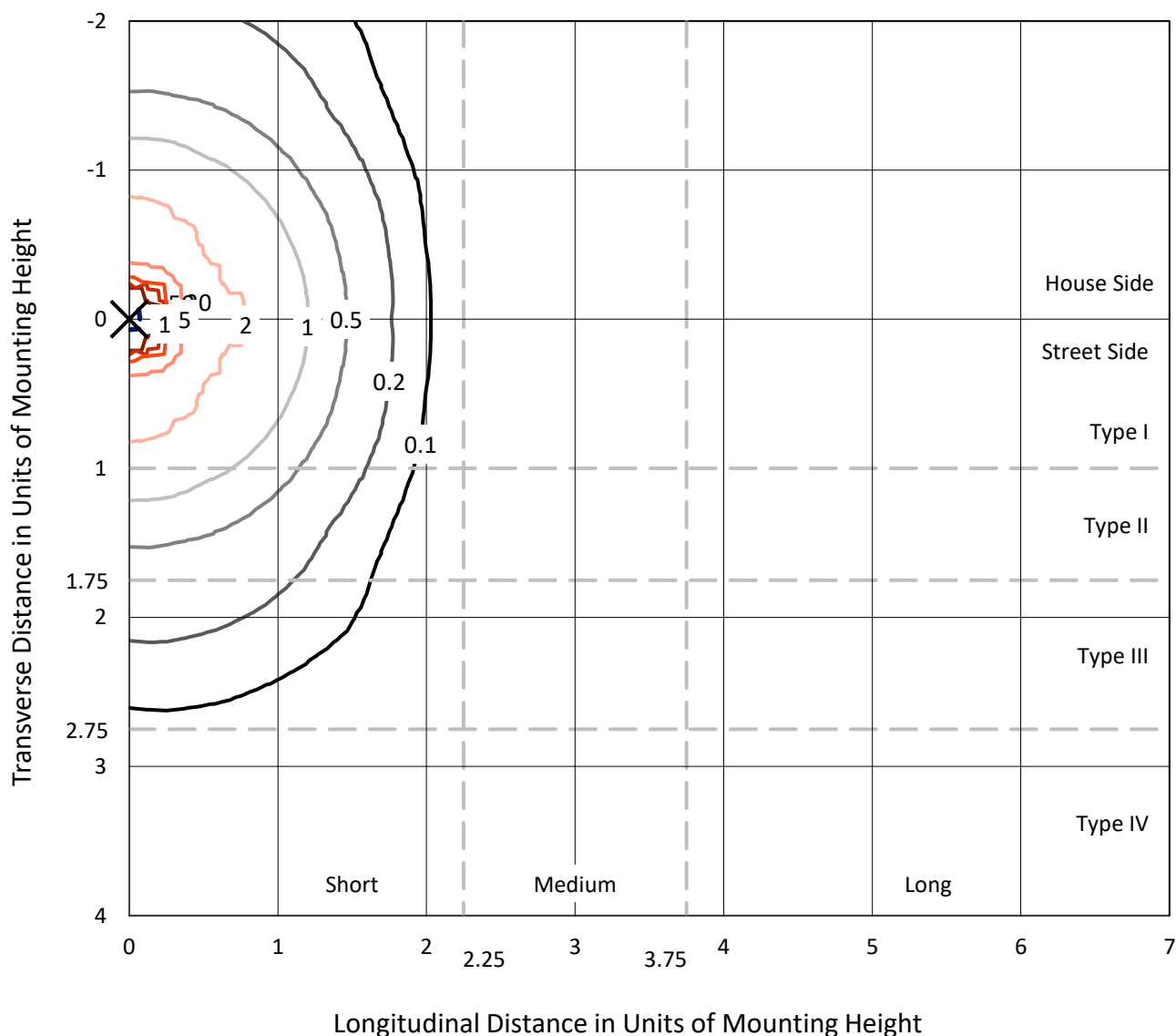
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

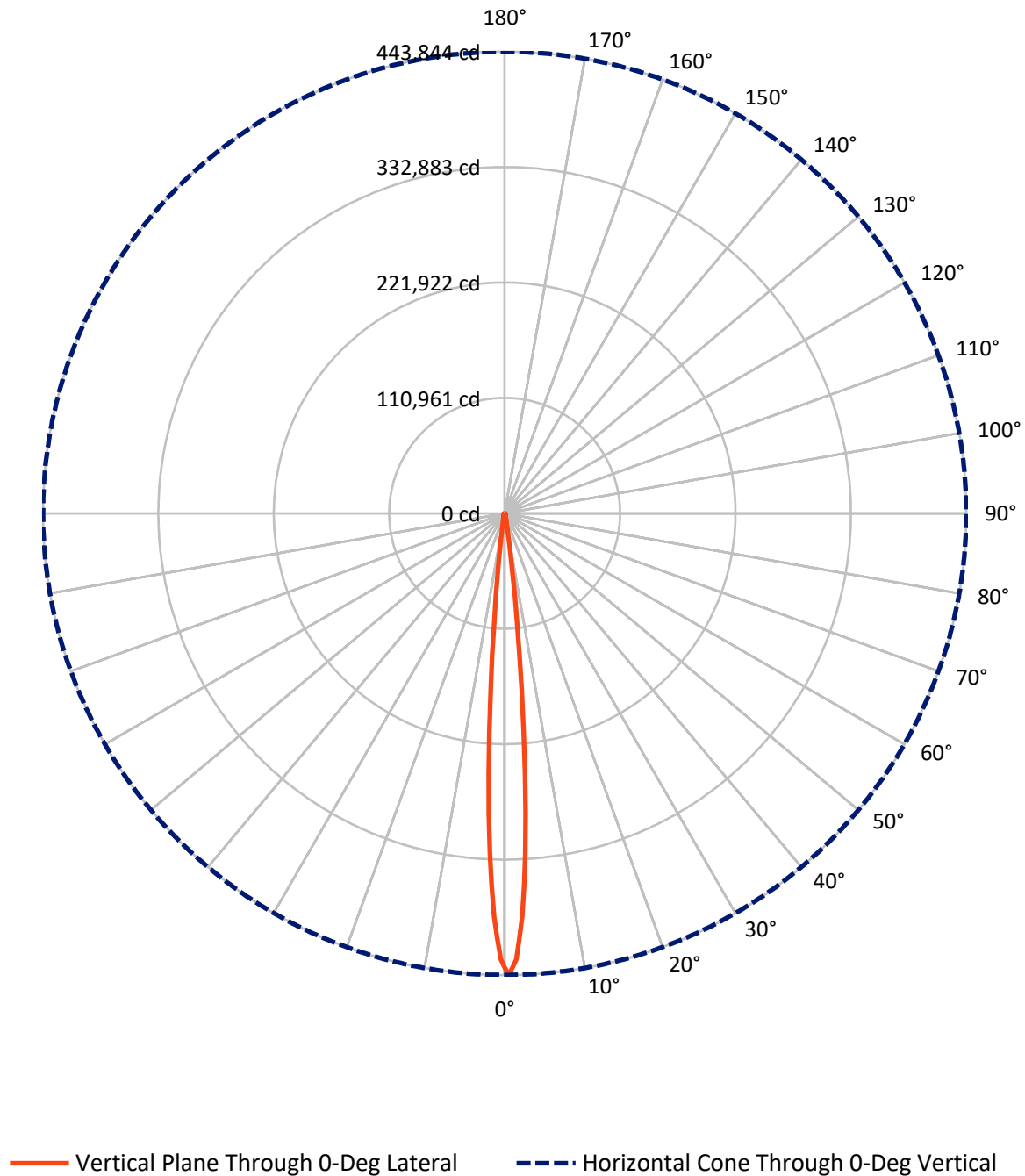


Based on 20 foot mounting height. Maximum calculated value = 1109.6 fc

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	9448.2	0.0	9448.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9448.2	0.0	9448.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18896.5	0.0	18896.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11927.0	63.1
10°-20°	1474.0	7.8
20°-30°	883.2	4.7
30°-40°	949.6	5.0
40°-50°	1276.8	6.8
50°-60°	1138.2	6.0
60°-70°	751.8	4.0
70°-80°	372.8	2.0
80°-90°	123.1	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°	18896.5	100.0
0°-180°	18896.5	100.0

Coefficient of Utilization



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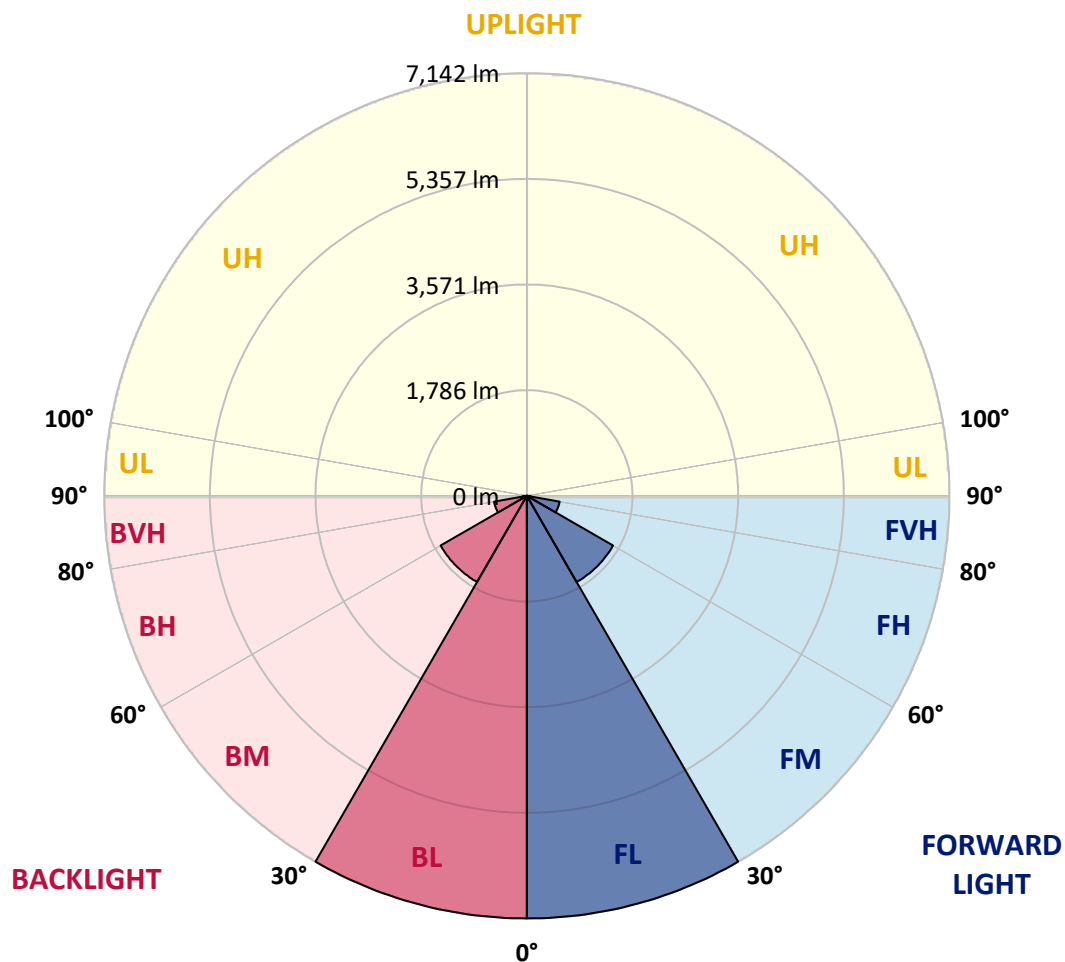
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7142.1	37.8			
FM	(30°-60°)	1682.3	8.9			
FH	(60°-80°)	562.3	3.0			G0/660
FVH	(80°-90°)	61.5	0.3			G1/100
BL	(0°-30°)	7142.1	37.8	B5		
BM	(30°-60°)	1682.3	8.9	B2/2500		
BH	(60°-80°)	562.3	3.0	B2/1000		G0/660
BVH	(80°-90°)	61.5	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°	443844.3	443844.3	443844.3	443844.3	443844.3	443844.3	443844.3	443844.3	443844.3	443844.3
1°	428967.4	424564.4	426829.0	428993.5	432029.0	433366.0	434729.2	435748.2	435730.8	437411.9
2°	387999.1	380904.6	384192.7	388225.5	396025.5	398264.0	402005.0	406634.5	406917.6	411107.2
3°	327036.6	317076.5	321919.3	329100.9	342031.1	345375.8	351372.8	355605.9	353715.8	358619.6
4°	250957.5	237962.0	245361.3	255992.0	268578.2	281347.3	281599.9	284635.4	278403.3	278102.8
5°	169312.7	157854.5	167348.6	180644.7	191519.3	200442.9	205939.0	206317.9	199580.6	198966.5
6°	103263.5	95681.3	103942.9	118014.2	133078.4	136788.9	137629.5	135721.9	126885.5	121994.7
7°	57073.4	53981.3	62055.6	70452.2	82197.9	87628.7	83870.3	77773.1	75068.6	69245.9
8°	31474.2	29949.9	32253.8	39509.4	48624.5	52191.4	48563.6	42231.3	37671.5	36060.1
9°	18975.1	18130.2	19070.9	21832.1	25769.1	28242.7	26165.4	23047.1	21122.2	20586.5
10°	12603.6	12272.6	12673.3	13605.3	15020.7	15743.6	15225.4	13988.5	13405.0	13370.1
12.5°	6615.4	6554.4	6654.6	6759.1	7003.0	7042.2	6950.7	6863.6	6728.6	6780.9
15°	4259.3	4202.7	4307.2	4442.2	4503.2	4542.4	4546.7	4498.8	4407.3	4363.8
17.5°	3105.2	3118.2	3127.0	3205.3	3322.9	3414.4	3375.2	3322.9	3218.4	3166.1
20°	2556.4	2560.8	2578.2	2621.8	2661.0	2787.3	2748.1	2669.7	2569.5	2530.3
22.5°	2186.3	2195.0	2203.7	2229.8	2238.5	2273.4	2277.7	2208.0	2151.4	2129.6
25°	1924.9	1924.9	1938.0	1959.8	1968.5	1942.4	1946.7	1916.2	1864.0	1837.8
27.5°	1633.2	1641.9	1654.9	1663.6	1646.2	1615.7	1576.5	1602.7	1576.5	1515.6
30°	1454.6	1463.3	1502.5	1476.4	1437.2	1398.0	1376.2	1411.0	1415.4	1363.1
32.5°	1441.5	1445.9	1459.0	1445.9	1398.0	1350.1	1319.6	1358.8	1367.5	1345.7
35°	1506.9	1493.8	1511.2	1519.9	1472.0	1419.8	1380.6	1415.4	1441.5	1450.2
37.5°	1824.8	1750.7	1694.1	1676.7	1646.2	1611.4	1559.1	1567.8	1615.7	1659.3
40°	1737.7	1720.3	1698.5	1641.9	1585.3	1628.8	1567.8	1550.4	1659.3	1668.0
42.5°	1724.6	1737.7	1720.3	1650.6	1594.0	1637.5	1624.4	1572.2	1681.1	1668.0
45°	1733.3	1746.4	1785.6	1668.0	1620.1	1641.9	1668.0	1611.4	1720.3	1676.7
47.5°	1663.6	1681.1	1724.6	1659.3	1628.8	1624.4	1663.6	1611.4	1668.0	1663.6
50°	1572.2	1589.6	1602.7	1546.1	1602.7	1572.2	1576.5	1554.8	1554.8	1563.5
52.5°	1454.6	1472.0	1485.1	1419.8	1454.6	1467.7	1415.4	1411.0	1371.9	1384.9
55°	1310.9	1337.0	1350.1	1323.9	1306.5	1332.7	1258.6	1249.9	1171.5	1175.9
57.5°	1145.4	1171.5	1184.6	1215.1	1202.0	1149.7	1106.2	1071.4	984.2	949.4
60°	1180.2	1206.4	1180.2	1093.1	1093.1	975.5	936.3	862.3	775.2	731.7
62.5°	1141.0	1175.9	1171.5	1080.1	971.2	823.1	753.4	675.0	587.9	531.3
65°	1075.7	1110.5	1093.1	1032.2	927.6	705.5	601.0	522.6	413.7	400.7
67.5°	966.8	1019.1	984.2	945.1	862.3	640.2	479.1	392.0	300.5	300.5
70°	801.3	840.5	862.3	818.8	770.9	601.0	409.4	300.5	217.8	165.5
72.5°	644.6	679.4	714.2	692.5	648.9	544.4	365.8	239.5	156.8	95.8
75°	357.1	370.2	383.2	435.5	496.5	444.2	335.3	209.0	130.7	74.0
77.5°	274.4	287.4	317.9	291.8	270.0	344.1	365.8	243.9	113.2	52.3
80°	213.4	230.8	326.6	270.0	230.8	261.3	313.6	213.4	74.0	26.1
82.5°	161.1	174.2	230.8	257.0	243.9	196.0	169.8	143.7	65.3	17.4
85°	117.6	135.0	161.1	143.7	139.4	139.4	187.3	126.3	47.9	13.1
87.5°	69.7	69.7	74.0	69.7	65.3	65.3	74.0	61.0	30.5	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

443844.3
434032.3
407405.3
353376.1
276778.9
196479.8
122421.5
66510.9
34596.8
19859.2
12956.4
6584.9
4294.1
3109.5
2486.8
2103.5
1816.1
1519.9
1345.7
1332.7
1450.2
1698.5
1681.1
1659.3
1663.6
1654.9
1533.0
1363.1
1145.4
927.6
696.8
522.6
400.7
265.7
148.1
91.5
65.3
26.1
17.4
13.1
8.7
8.7
0.0

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