

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: P635862

Luminaire Tested: **IFLD-L-SA7E-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635862
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26244.2 lumens
Efficiency: N/A
Efficacy: 49.3 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): 532.7
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



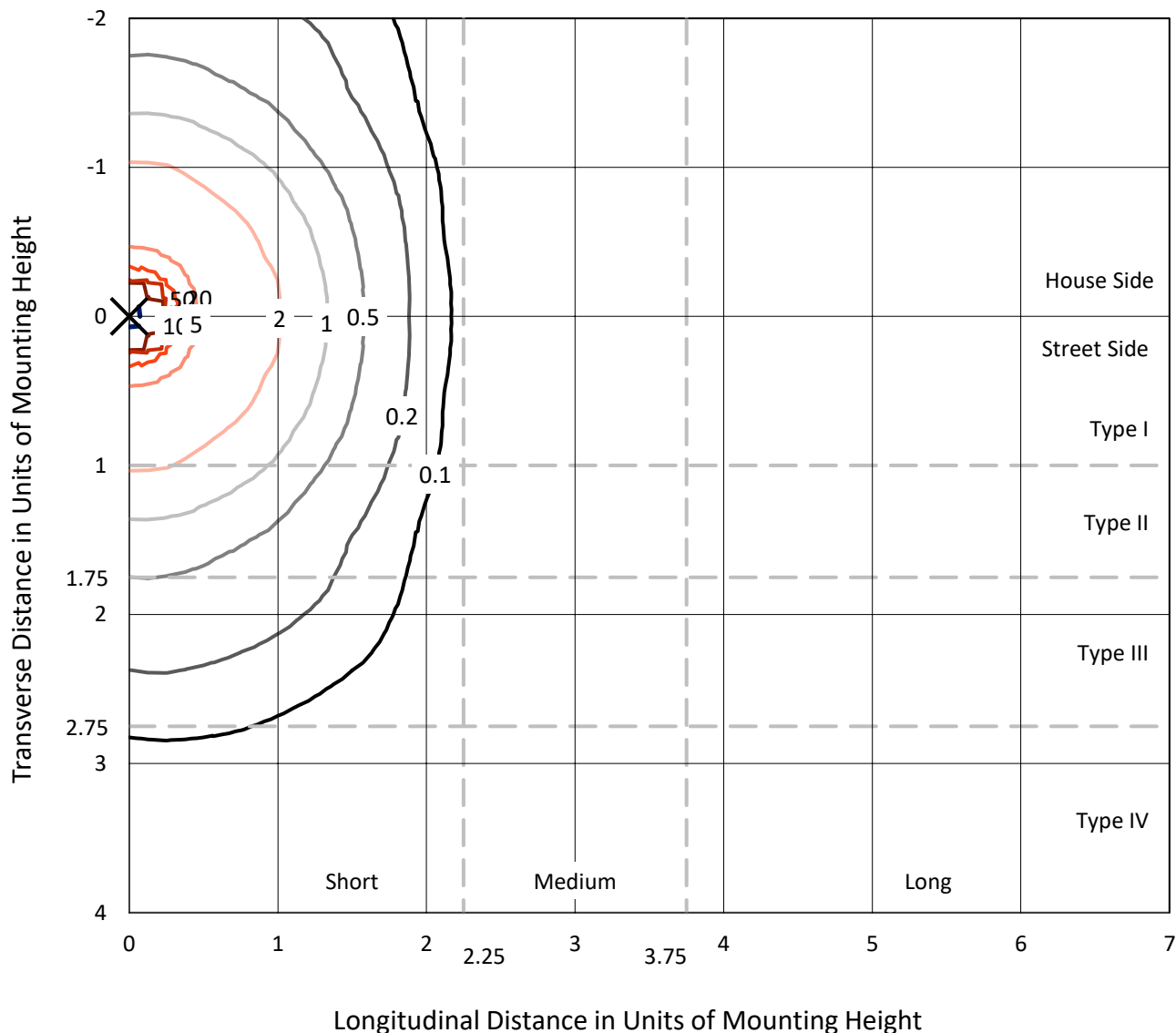
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

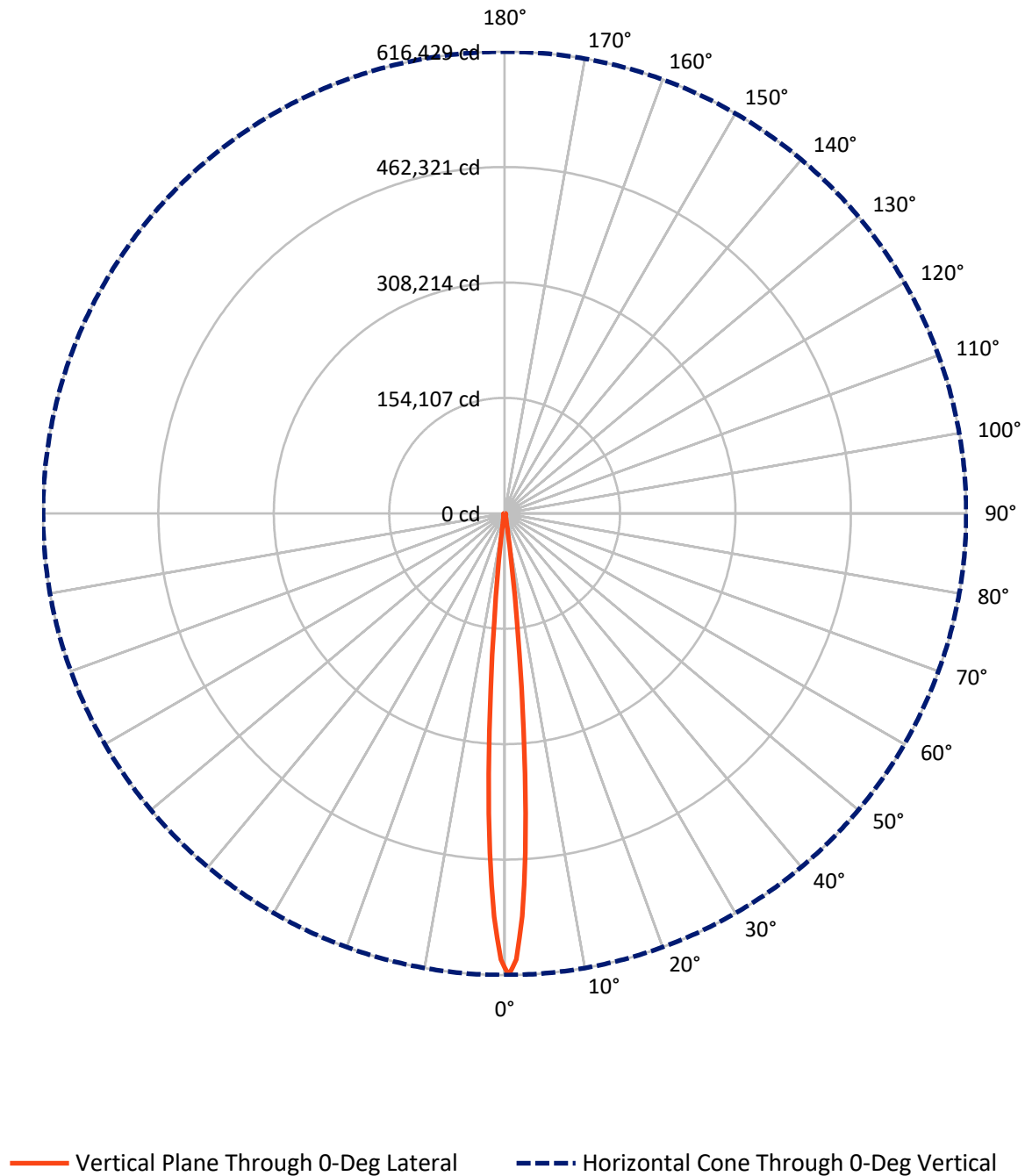


Based on 20 foot mounting height. Maximum calculated value = 1541.1 fc

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	13122.1	0.0	13122.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13122.1	0.0	13122.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	26244.2	0.0	26244.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16564.7	63.1
10°-20°	2047.2	7.8
20°-30°	1226.6	4.7
30°-40°	1318.8	5.0
40°-50°	1773.3	6.8
50°-60°	1580.8	6.0
60°-70°	1044.1	4.0
70°-80°	517.7	2.0
80°-90°	170.9	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°	26244.2	100.0
0°-180°	26244.2	100.0

Coefficient of Utilization



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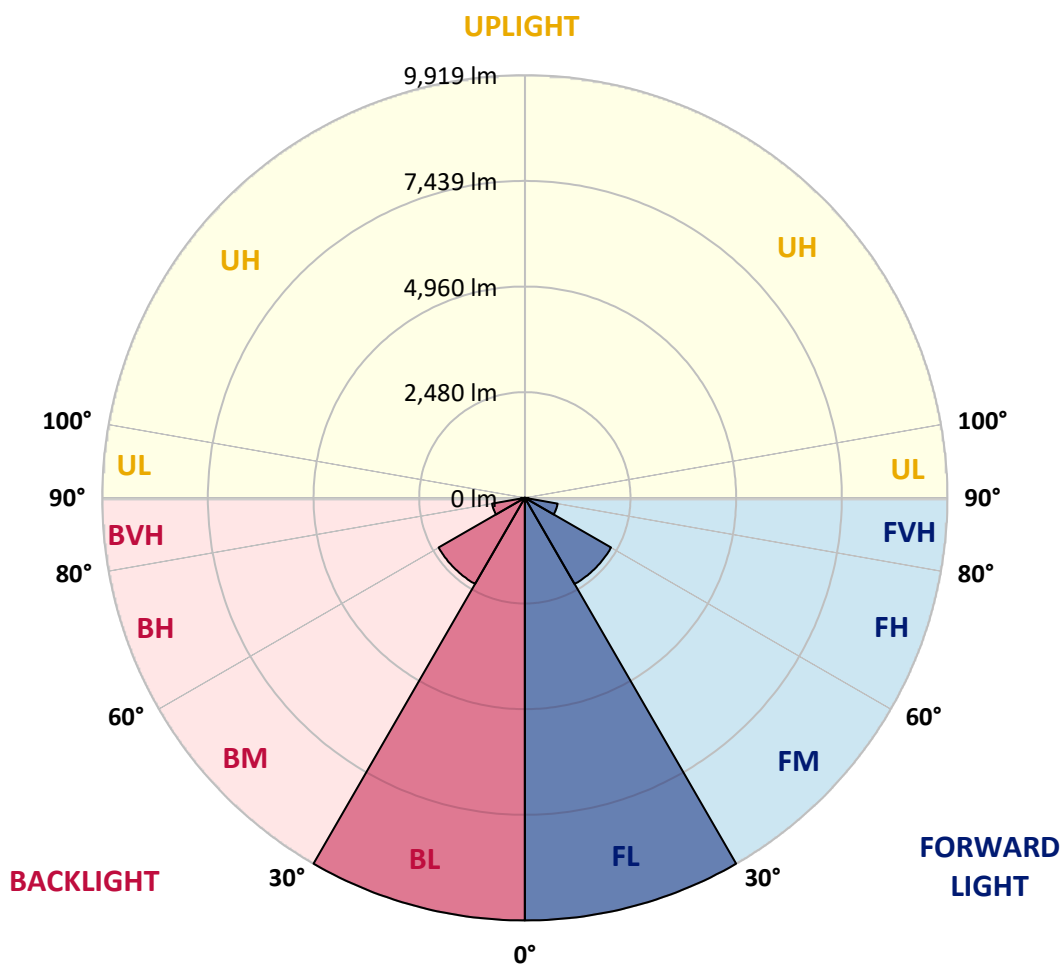
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9919.2	37.8			
FM	(30°-60°)	2336.5	8.9			
FH	(60°-80°)	780.9	3.0			G1/1800
FVH	(80°-90°)	85.5	0.3			G1/100
BL	(0°-30°)	9919.2	37.8	B5		
BM	(30°-60°)	2336.5	8.9	B2/2500		
BH	(60°-80°)	780.9	3.0	B2/1000		G1/1800
BVH	(80°-90°)	85.5	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°	616428.5	616428.5	616428.5	616428.5	616428.5	616428.5	616428.5	616428.5	616428.5	616428.5
1°	595766.8	589651.7	592797.0	595803.1	600018.9	601875.8	603769.0	605184.3	605160.1	607494.9
2°	538868.4	529015.4	533582.0	539182.9	550015.8	553124.7	558320.4	564750.0	565143.1	570961.8
3°	454201.3	440368.3	447094.2	457068.2	475026.3	479671.6	488000.4	493879.5	491254.5	498065.1
4°	348539.7	330490.9	340767.4	355531.8	373012.0	390746.3	391097.1	395312.9	386657.5	386240.1
5°	235148.2	219234.5	232420.3	250886.4	265989.6	278383.0	286016.2	286542.4	277185.4	276332.5
6°	143416.4	132885.9	144359.9	163902.7	184824.5	189977.9	191145.2	188496.0	176223.5	169431.0
7°	79265.8	74971.4	86185.3	97846.9	114159.7	121702.2	116482.3	108014.4	104258.3	96171.4
8°	43712.6	41595.6	44795.3	54872.1	67531.7	72485.4	67447.0	58652.5	52319.7	50081.7
9°	26353.4	25180.0	26486.5	30321.2	35789.1	39224.6	36339.5	32008.7	29335.3	28591.3
10°	17504.4	17044.7	17601.2	18895.6	20861.3	21865.4	21145.6	19427.8	18617.3	18568.9
12.5°	9187.7	9103.0	9242.1	9387.3	9726.0	9780.5	9653.4	9532.5	9345.0	9417.5
15°	5915.4	5836.8	5982.0	6169.5	6254.2	6308.6	6314.7	6248.1	6121.1	6060.6
17.5°	4312.6	4330.7	4342.8	4451.7	4615.0	4742.0	4687.6	4615.0	4469.9	4397.3
20°	3550.5	3556.5	3580.7	3641.2	3695.6	3871.1	3816.6	3707.7	3568.6	3514.2
22.5°	3036.4	3048.5	3060.5	3096.8	3108.9	3157.3	3163.4	3066.6	2988.0	2957.7
25°	2673.4	2673.4	2691.6	2721.8	2733.9	2697.6	2703.7	2661.3	2588.8	2552.5
27.5°	2268.2	2280.3	2298.4	2310.5	2286.3	2244.0	2189.6	2225.9	2189.6	2104.9
30°	2020.2	2032.3	2086.7	2050.4	1996.0	1941.6	1911.3	1959.7	1965.8	1893.2
32.5°	2002.1	2008.1	2026.3	2008.1	1941.6	1875.0	1832.7	1887.1	1899.2	1869.0
35°	2092.8	2074.6	2098.8	2110.9	2044.4	1971.8	1917.4	1965.8	2002.1	2014.2
37.5°	2534.3	2431.5	2352.9	2328.7	2286.3	2238.0	2165.4	2177.5	2244.0	2304.5
40°	2413.4	2389.2	2358.9	2280.3	2201.7	2262.1	2177.5	2153.3	2304.5	2316.6
42.5°	2395.2	2413.4	2389.2	2292.4	2213.8	2274.2	2256.1	2183.5	2334.7	2316.6
45°	2407.3	2425.5	2479.9	2316.6	2250.0	2280.3	2316.6	2238.0	2389.2	2328.7
47.5°	2310.5	2334.7	2395.2	2304.5	2262.1	2256.1	2310.5	2238.0	2316.6	2310.5
50°	2183.5	2207.7	2225.9	2147.2	2225.9	2183.5	2189.6	2159.3	2159.3	2171.4
52.5°	2020.2	2044.4	2062.5	1971.8	2020.2	2038.4	1965.8	1959.7	1905.3	1923.4
55°	1820.6	1856.9	1875.0	1838.7	1814.6	1850.8	1748.0	1735.9	1627.1	1633.1
57.5°	1590.8	1627.1	1645.2	1687.5	1669.4	1596.8	1536.3	1487.9	1367.0	1318.6
60°	1639.1	1675.4	1639.1	1518.2	1518.2	1354.9	1300.4	1197.6	1076.6	1016.2
62.5°	1584.7	1633.1	1627.1	1500.0	1348.8	1143.2	1046.4	937.5	816.5	737.9
65°	1494.0	1542.4	1518.2	1433.5	1288.3	979.9	834.7	725.8	574.6	556.5
67.5°	1342.8	1415.4	1367.0	1312.5	1197.6	889.1	665.3	544.4	417.3	417.3
70°	1112.9	1167.4	1197.6	1137.1	1070.6	834.7	568.6	417.3	302.4	229.8
72.5°	895.2	943.6	992.0	961.7	901.2	756.1	508.1	332.7	217.7	133.1
75°	496.0	514.1	532.3	604.9	689.5	616.9	465.7	290.3	181.5	102.8
77.5°	381.1	399.2	441.5	405.3	375.0	477.8	508.1	338.7	157.3	72.6
80°	296.4	320.6	453.6	375.0	320.6	362.9	435.5	296.4	102.8	36.3
82.5°	223.8	241.9	320.6	356.9	338.7	272.2	235.9	199.6	90.7	24.2
85°	163.3	187.5	223.8	199.6	193.6	193.6	260.1	175.4	66.5	18.1
87.5°	96.8	96.8	102.8	96.8	90.7	90.7	102.8	84.7	42.3	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

616428.5

602801.2
565820.6
490782.7
384401.4
272878.8
170023.8
92372.9
48049.4
27581.2
17994.3
9145.4
5963.8
4318.6
3453.7
2921.4
2522.2
2110.9
1869.0
1850.8
2014.2
2358.9
2334.7
2304.5
2310.5
2298.4
2129.1
1893.2
1590.8
1288.3
967.8
725.8
556.5
369.0
205.6
127.0
90.7
36.3
24.2
18.1
12.1
12.1
0.0

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