

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: P479599

Luminaire Tested: **IFLD-S-SA3A-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479599
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

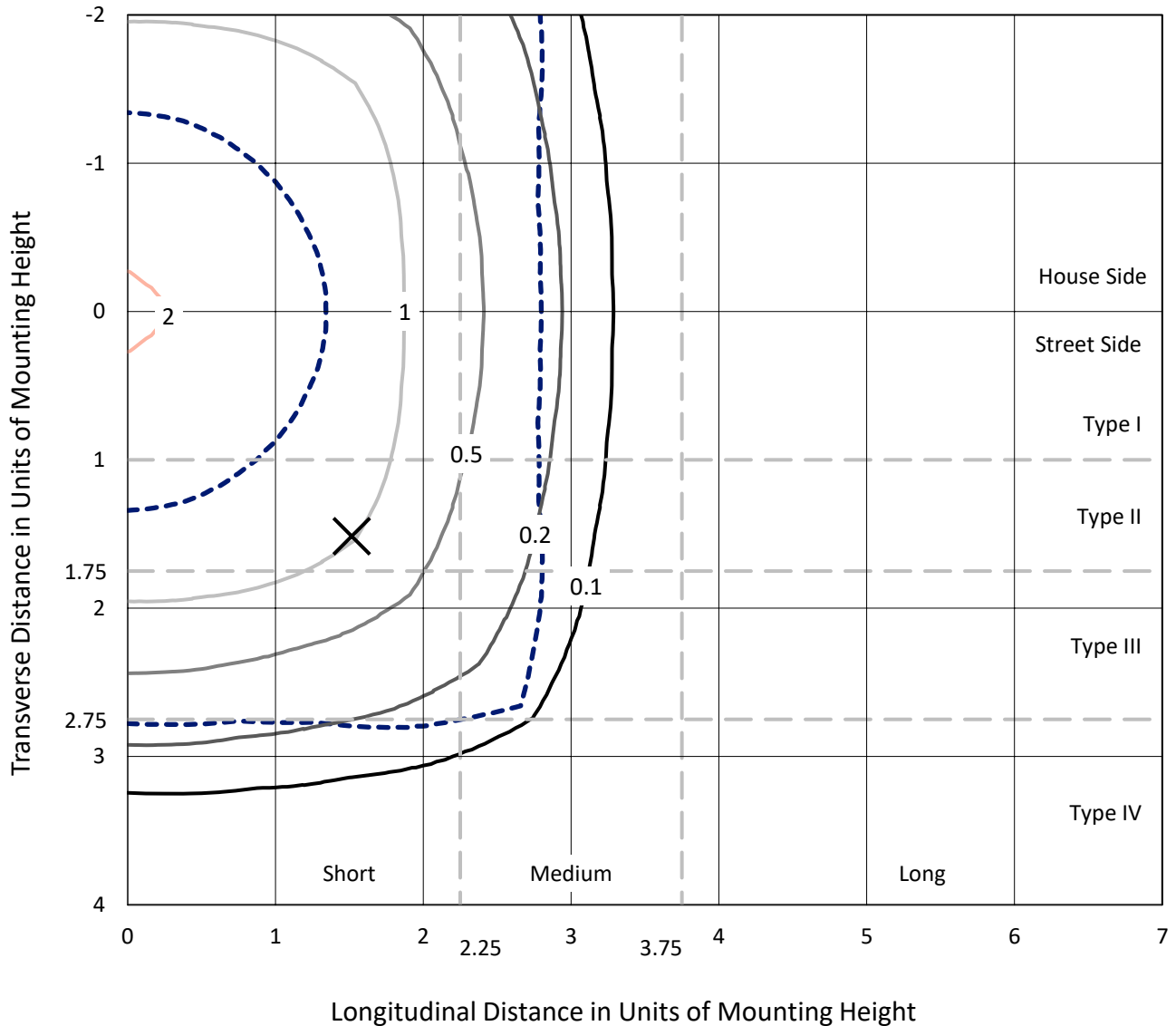
Lumens per Lamp: N/A
Luminaire Lumens: 11807.6 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 94.8
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

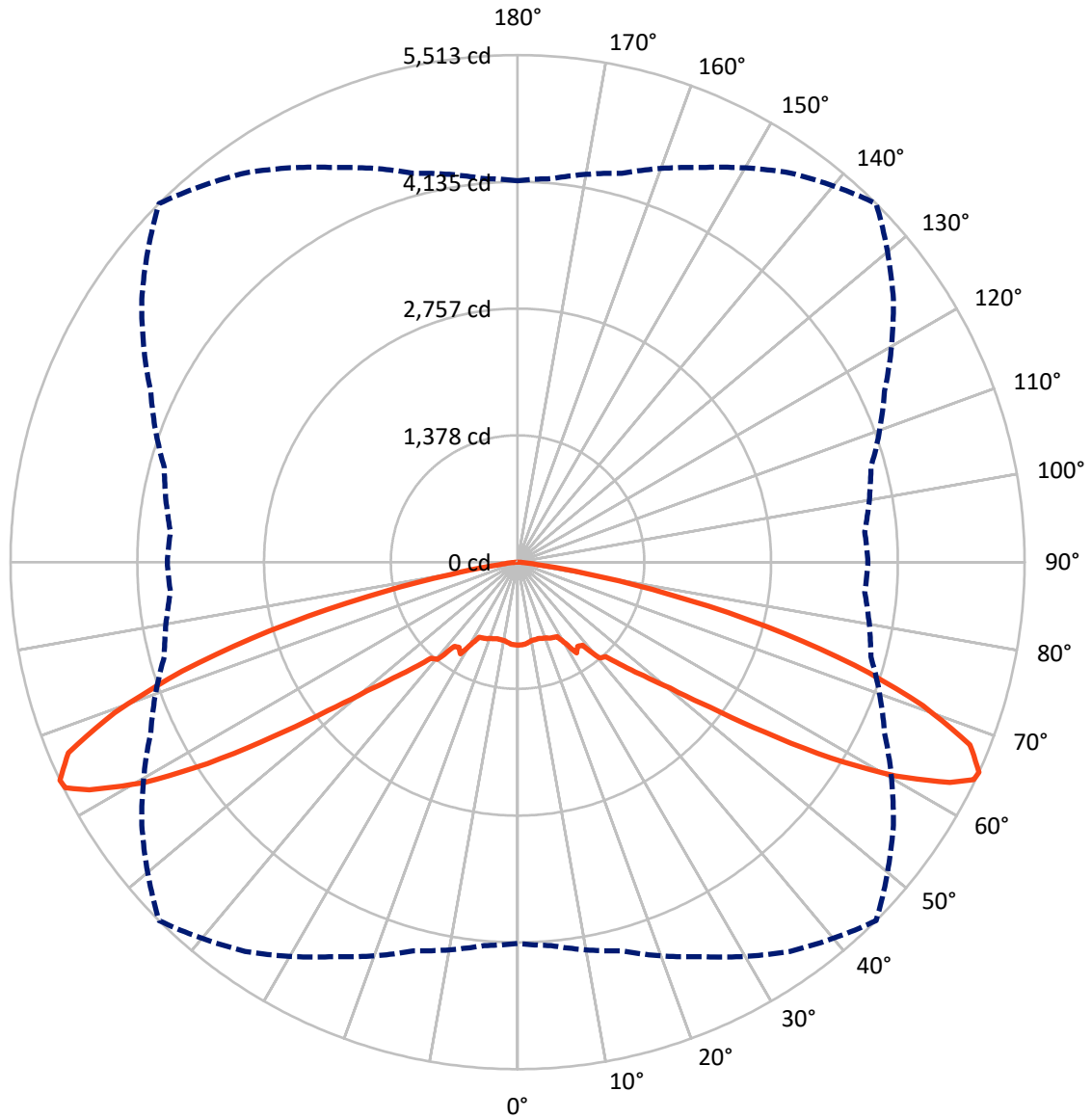
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5903.8	0.0	5903.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5903.8	0.0	5903.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11807.6	0.0	11807.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	0.7
10°-20°	248.9	2.1
20°-30°	430.8	3.6
30°-40°	716.3	6.1
40°-50°	1292.2	10.9
50°-60°	2878.7	24.4
60°-70°	4290.2	36.3
70°-80°	1777.9	15.1
80°-90°	88.1	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°	11807.6	100.0
0°-180°	11807.6	100.0

Coefficient of Utilization



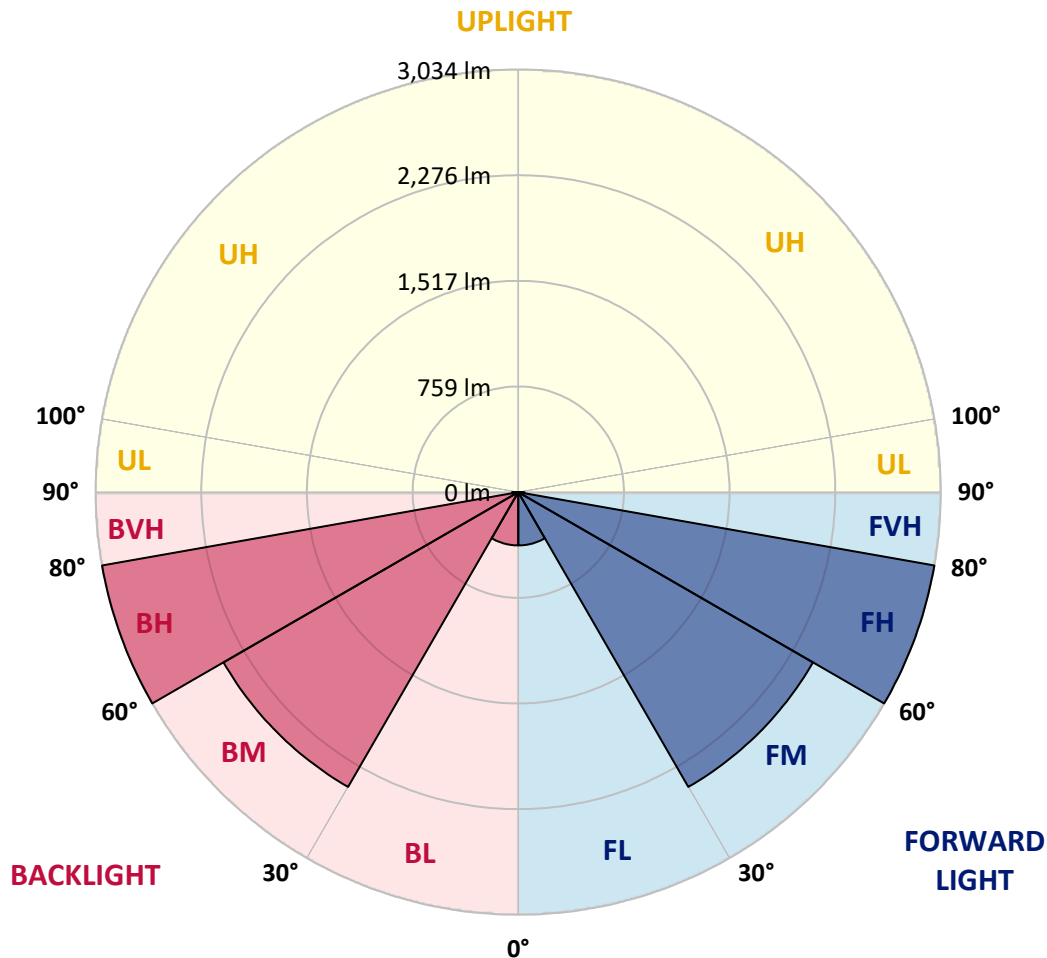
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.2	3.2			
FM (30°-60°)	2443.6	20.7			
FH (60°-80°)	3034.0	25.7			G2/5000
FVH (80°-90°)	44.0	0.4			G1/100
BL (0°-30°)	382.2	3.2	B1/500		
BM (30°-60°)	2443.6	20.7	B2/2500		
BH (60°-80°)	3034.0	25.7	B4/5000		G2/5000
BVH (80°-90°)	44.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	902.8	902.8	902.8	902.8	902.8	902.8	902.8	902.8	902.8	902.8	902.8
2.5°	892.3	894.9	893.6	893.6	897.5	900.2	901.5	914.5	909.3	913.2	909.3
5°	894.9	894.9	897.5	894.9	897.5	894.9	897.5	893.6	897.5	900.2	904.1
7.5°	889.7	887.1	883.2	883.2	881.9	879.3	875.4	885.8	880.6	884.5	891.0
10°	891.0	887.1	874.1	876.7	864.9	864.9	867.5	867.5	879.3	892.3	896.2
12.5°	891.0	883.2	879.3	862.3	862.3	863.6	870.1	872.8	880.6	885.8	898.9
15°	891.0	887.1	880.6	858.4	863.6	861.0	867.5	867.5	884.5	893.6	900.2
17.5°	896.2	898.9	887.1	866.2	867.5	872.8	868.8	872.8	893.6	900.2	909.3
20°	897.5	887.1	883.2	870.1	881.9	879.3	878.0	885.8	892.3	904.1	914.5
22.5°	894.9	898.9	883.2	881.9	892.3	897.5	900.2	891.0	898.9	906.7	915.8
25°	917.1	902.8	898.9	896.2	901.5	906.7	904.1	911.9	911.9	921.0	932.8
27.5°	977.1	978.4	970.6	939.3	928.9	917.1	922.3	943.2	968.0	987.6	991.5
30°	1004.5	1009.7	1030.6	1025.4	1021.5	1025.4	1024.1	1029.3	1031.9	1033.2	1029.3
32.5°	1029.3	1026.7	1017.6	1041.0	1118.0	1176.7	1120.6	1043.7	1026.7	1021.5	1026.7
35°	1119.3	1119.3	1099.8	1069.7	1110.2	1124.5	1098.5	1061.9	1082.8	1125.8	1128.5
37.5°	1235.4	1218.5	1226.3	1222.4	1178.0	1146.7	1192.4	1215.9	1219.8	1218.5	1231.5
40°	1304.6	1292.8	1281.1	1302.0	1342.4	1371.1	1330.7	1274.6	1288.9	1317.6	1305.9
42.5°	1462.4	1432.4	1435.0	1414.2	1412.9	1403.7	1394.6	1398.5	1419.4	1452.0	1457.2
45°	1624.2	1638.5	1629.4	1590.3	1608.5	1608.5	1582.4	1602.0	1612.5	1650.3	1655.5
47.5°	1877.3	1870.8	1874.7	1839.4	1838.1	1847.3	1838.1	1839.4	1872.1	1869.5	1855.1
50°	2173.4	2191.7	2196.9	2179.9	2159.1	2155.2	2140.8	2159.1	2178.6	2179.9	2168.2
52.5°	2583.1	2602.6	2602.6	2607.8	2633.9	2620.9	2618.3	2619.6	2581.7	2555.7	2568.7
55°	3099.7	3106.2	3128.4	3174.0	3253.6	3264.0	3214.5	3192.3	3123.1	3081.4	3114.0
57.5°	3609.8	3635.8	3697.2	3815.9	3913.7	4020.7	3877.2	3731.1	3595.4	3528.9	3540.6
60°	4033.7	4071.6	4189.0	4354.7	4626.0	4723.9	4481.2	4230.7	3955.5	3752.0	3834.1
62.5°	4233.3	4292.0	4391.2	4726.5	5133.5	5274.4	4918.2	4462.9	4045.5	3849.8	3845.9
64°	4234.6	4243.8	4442.1	4803.4	5222.2	5494.9	5023.9	4462.9	4067.7	3826.3	3870.7
65°	4147.2	4185.1	4376.8	4733.0	5166.1	5513.1	4987.4	4401.6	3976.3	3788.5	3809.4
67.5°	3750.6	3749.3	3926.8	4280.3	4881.7	5305.7	4676.9	4058.5	3750.6	3547.1	3571.9
70°	2845.3	2890.9	3060.5	3495.0	4224.2	4678.2	4089.8	3449.3	3065.7	2902.7	2893.5
72.5°	1702.5	1762.5	1979.0	2508.7	3281.0	3832.8	3245.8	2551.7	2089.9	1831.6	1838.1
75°	776.2	820.6	969.3	1401.1	2186.5	2802.2	2199.5	1475.5	1058.0	893.6	870.1
77.5°	217.9	245.3	327.4	643.2	1200.2	1680.3	1234.1	711.0	461.8	383.5	375.7
80°	97.8	103.1	116.1	156.5	380.9	741.0	510.1	260.9	173.5	143.5	137.0
82.5°	53.5	57.4	75.7	80.9	108.3	197.0	168.3	122.6	104.4	83.5	80.9
85°	30.0	31.3	43.1	43.1	52.2	57.4	61.3	65.2	63.9	47.0	45.7
87.5°	9.1	10.4	13.0	13.0	13.0	13.0	20.9	28.7	31.3	22.2	22.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)