

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: P479753

Luminaire Tested: **IFLD-S-SA2D-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479753
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

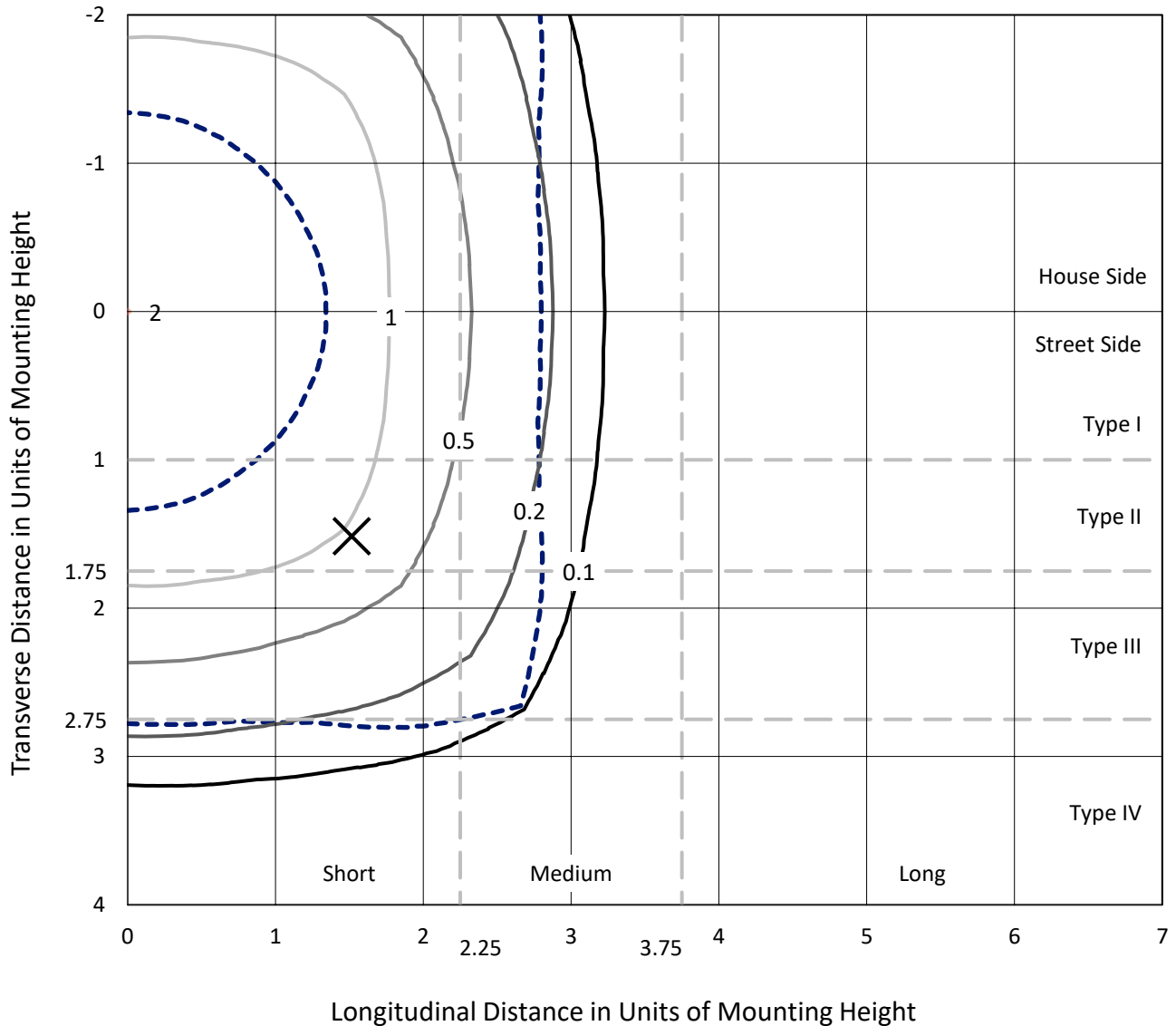
Lumens per Lamp: N/A
Luminaire Lumens: 16416.7 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 123.9
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

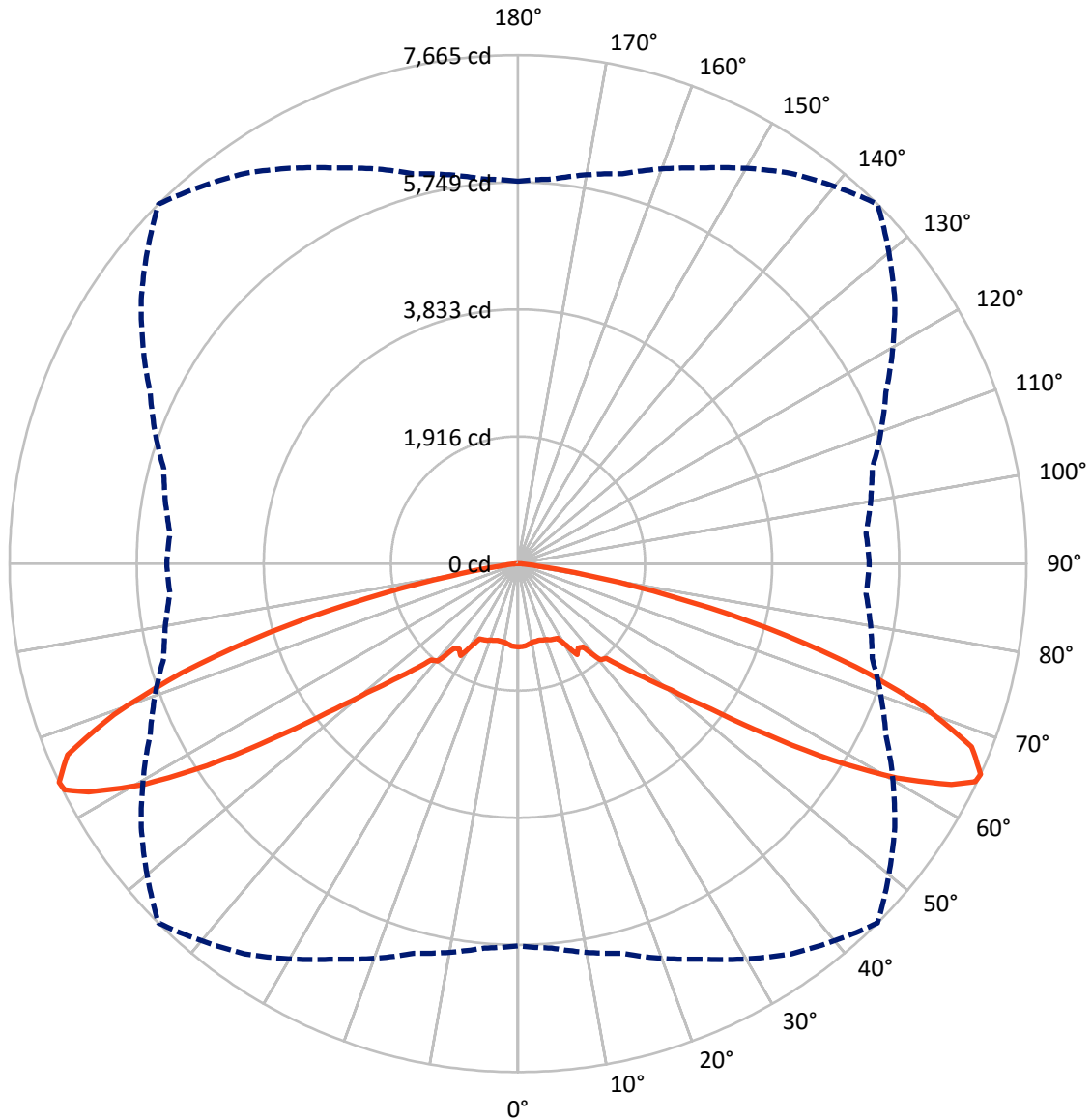
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	8208.3	0.0	8208.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8208.3	0.0	8208.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16416.7	0.0	16416.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	0.7
10°-20°	346.0	2.1
20°-30°	598.9	3.6
30°-40°	995.8	6.1
40°-50°	1796.7	10.9
50°-60°	4002.4	24.4
60°-70°	5964.8	36.3
70°-80°	2471.9	15.1
80°-90°	122.4	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°	16416.7	100.0
0°-180°	16416.7	100.0

Coefficient of Utilization



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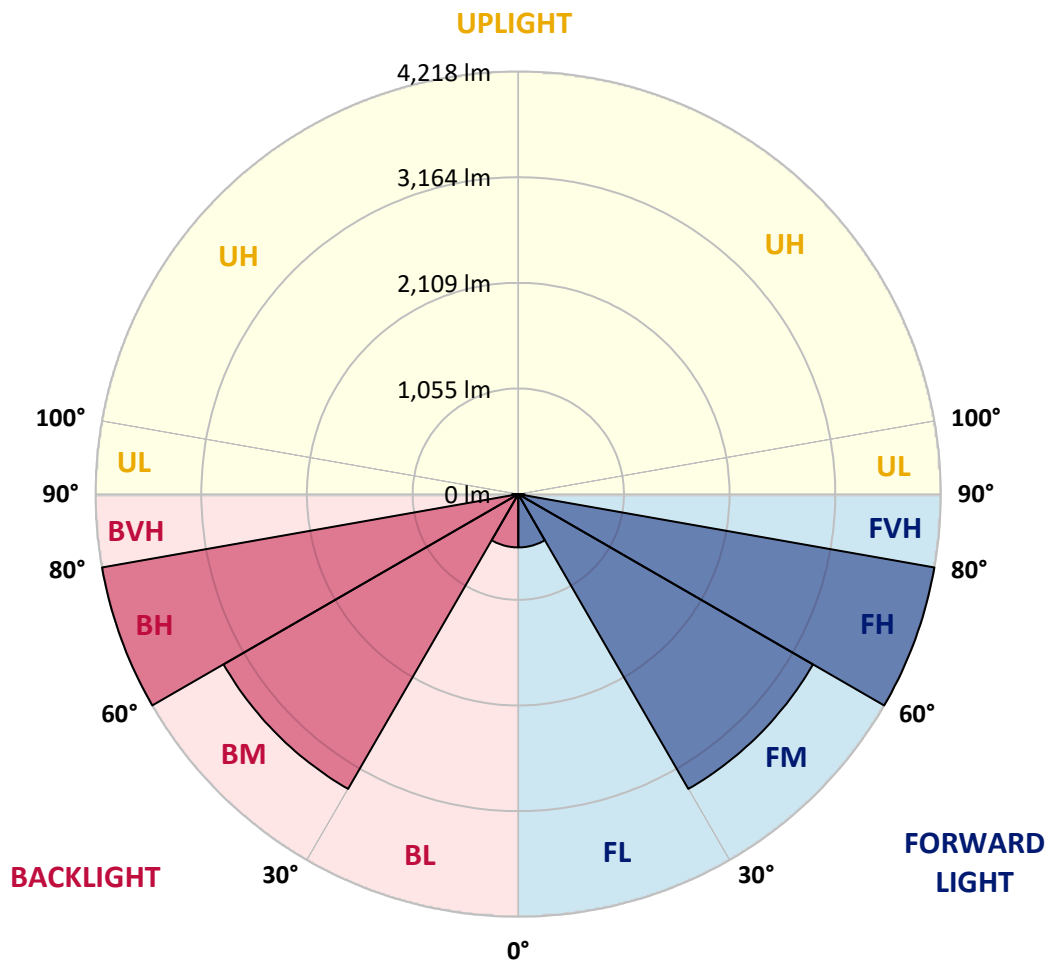
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.3	3.2			
FM (30°-60°)	3397.4	20.7			
FH (60°-80°)	4218.3	25.7			G2/5000
FVH (80°-90°)	61.2	0.4			G1/100
BL (0°-30°)	531.3	3.2	B2/1000		
BM (30°-60°)	3397.4	20.7	B3/5000		
BH (60°-80°)	4218.3	25.7	B4/5000		G2/5000
BVH (80°-90°)	61.2	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°	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2	1255.2
2.5°	1240.6	1244.3	1242.5	1242.5	1247.9	1251.5	1253.3	1271.5	1264.2	1269.7	1264.2
5°	1244.3	1244.3	1247.9	1244.3	1247.9	1244.3	1247.9	1242.5	1247.9	1251.5	1257.0
7.5°	1237.0	1233.4	1227.9	1227.9	1226.1	1222.5	1217.1	1231.6	1224.3	1229.8	1238.8
10°	1238.8	1233.4	1215.3	1218.9	1202.6	1202.6	1206.2	1206.2	1222.5	1240.6	1246.1
12.5°	1238.8	1227.9	1222.5	1198.9	1198.9	1200.7	1209.8	1213.4	1224.3	1231.6	1249.7
15°	1238.8	1233.4	1224.3	1193.5	1200.7	1197.1	1206.2	1206.2	1229.8	1242.5	1251.5
17.5°	1246.1	1249.7	1233.4	1204.4	1206.2	1213.4	1208.0	1213.4	1242.5	1251.5	1264.2
20°	1247.9	1233.4	1227.9	1209.8	1226.1	1222.5	1220.7	1231.6	1240.6	1257.0	1271.5
22.5°	1244.3	1249.7	1227.9	1226.1	1240.6	1247.9	1251.5	1238.8	1249.7	1260.6	1273.3
25°	1275.1	1255.2	1249.7	1246.1	1253.3	1260.6	1257.0	1267.9	1267.9	1280.5	1296.9
27.5°	1358.5	1360.4	1349.5	1305.9	1291.4	1275.1	1282.4	1311.4	1345.8	1373.1	1378.5
30°	1396.6	1403.9	1432.9	1425.7	1420.2	1425.7	1423.8	1431.1	1434.7	1436.5	1431.1
32.5°	1431.1	1427.5	1414.8	1447.4	1554.4	1636.1	1558.1	1451.0	1427.5	1420.2	1427.5
35°	1556.2	1556.2	1529.0	1487.3	1543.5	1563.5	1527.2	1476.4	1505.5	1565.3	1568.9
37.5°	1717.7	1694.1	1705.0	1699.5	1637.9	1594.3	1657.8	1690.5	1695.9	1694.1	1712.2
40°	1813.8	1797.5	1781.2	1810.2	1866.4	1906.3	1850.1	1772.1	1792.0	1831.9	1815.6
42.5°	2033.3	1991.6	1995.2	1966.2	1964.4	1951.7	1939.0	1944.4	1973.4	2018.8	2026.0
45°	2258.2	2278.1	2265.4	2211.0	2236.4	2236.4	2200.1	2227.4	2241.9	2294.5	2301.7
47.5°	2610.1	2601.0	2606.4	2557.5	2555.7	2568.4	2555.7	2557.5	2602.8	2599.2	2579.2
50°	3021.8	3047.2	3054.5	3030.9	3001.9	2996.4	2976.5	3001.9	3029.1	3030.9	3014.5
52.5°	3591.3	3618.5	3618.5	3625.8	3662.1	3643.9	3640.3	3642.1	3589.5	3553.2	3571.4
55°	4309.6	4318.7	4349.5	4413.0	4523.6	4538.1	4469.2	4438.4	4342.3	4284.2	4329.6
57.5°	5018.8	5055.1	5140.3	5305.4	5441.4	5590.2	5390.6	5187.5	4998.9	4906.3	4922.7
60°	5608.3	5660.9	5824.1	6054.5	6431.8	6567.8	6230.4	5882.2	5499.5	5216.5	5330.8
62.5°	5885.8	5967.4	6105.3	6571.4	7137.3	7333.2	6838.1	6205.0	5624.6	5352.5	5347.1
64°	5887.6	5900.3	6176.0	6678.4	7260.7	7639.8	6985.0	6205.0	5655.4	5319.9	5381.6
65°	5766.1	5818.7	6085.3	6580.5	7182.7	7665.1	6934.2	6119.8	5528.5	5267.3	5296.3
67.5°	5214.7	5212.9	5459.6	5951.1	6787.3	7376.8	6502.5	5642.8	5214.7	4931.7	4966.2
70°	3955.9	4019.4	4255.2	4859.2	5873.1	6504.3	5686.3	4795.7	4262.4	4035.7	4023.0
72.5°	2367.0	2450.5	2751.5	3488.0	4561.7	5329.0	4512.8	3547.8	2905.7	2546.6	2555.7
75°	1079.2	1140.9	1347.7	1948.0	3039.9	3896.1	3058.1	2051.4	1471.0	1242.5	1209.8
77.5°	302.9	341.0	455.3	894.2	1668.7	2336.2	1715.9	988.5	642.1	533.3	522.4
80°	136.0	143.3	161.4	217.7	529.6	1030.2	709.2	362.8	241.2	199.5	190.4
82.5°	74.4	79.8	105.2	112.5	150.5	273.9	234.0	170.5	145.1	116.1	112.5
85°	41.7	43.5	59.9	59.9	72.6	79.8	85.2	90.7	88.9	65.3	63.5
87.5°	12.7	14.5	18.1	18.1	18.1	18.1	29.0	39.9	43.5	30.8	30.8
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)