

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: P479658

Luminaire Tested: **IFLD-M-SA4A-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479658  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (64) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

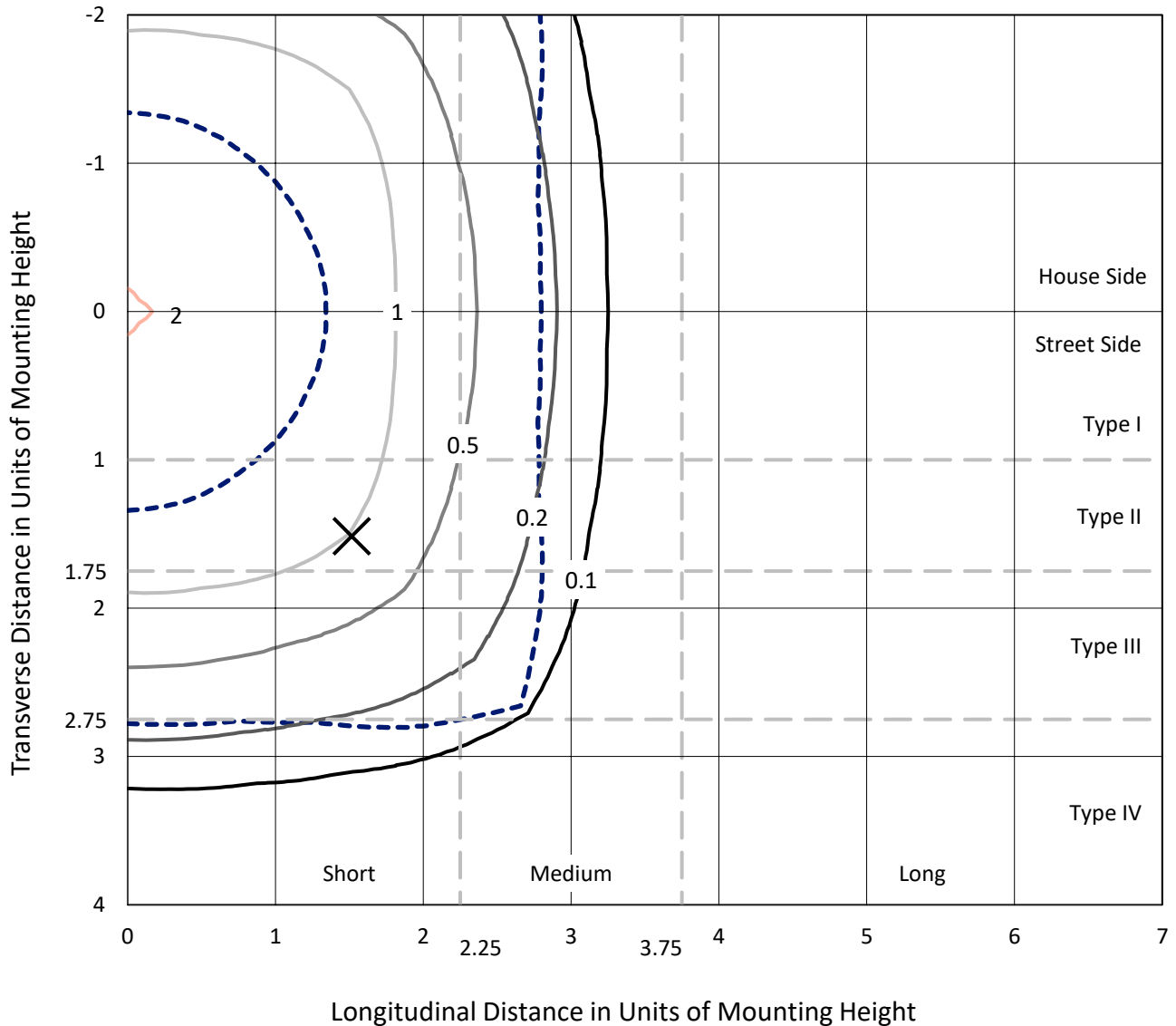
Lumens per Lamp: N/A  
Luminaire Lumens: 17256.8 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 128.6  
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

REPORT NUMBER: P479658  
 CATALOG NUMBER: IFLD-M-SA4A-730-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

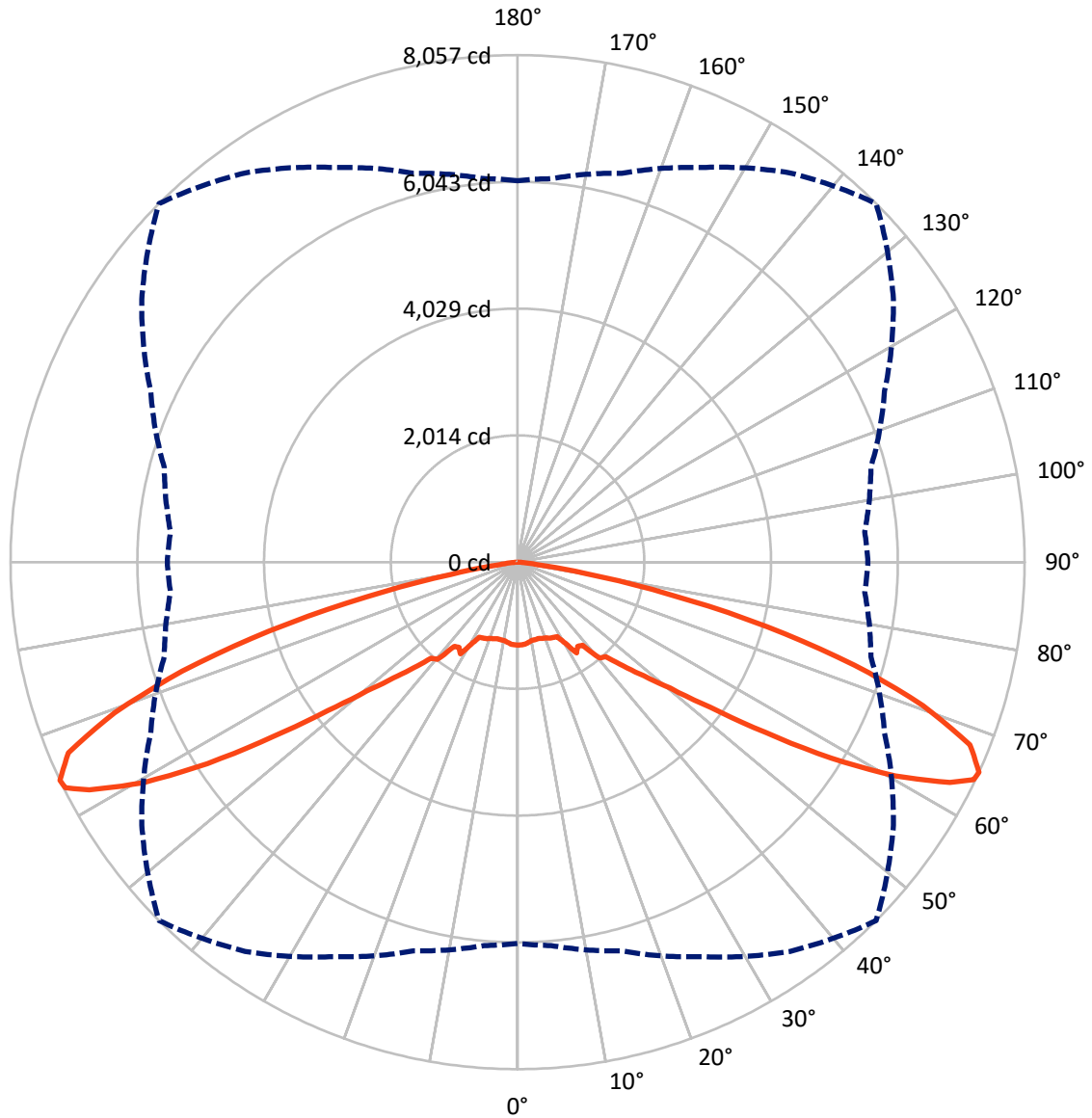
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P479658  
CATALOG NUMBER: IFLD-M-SA4A-730-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479658  
 CATALOG NUMBER: IFLD-M-SA4A-730-U-5WQ

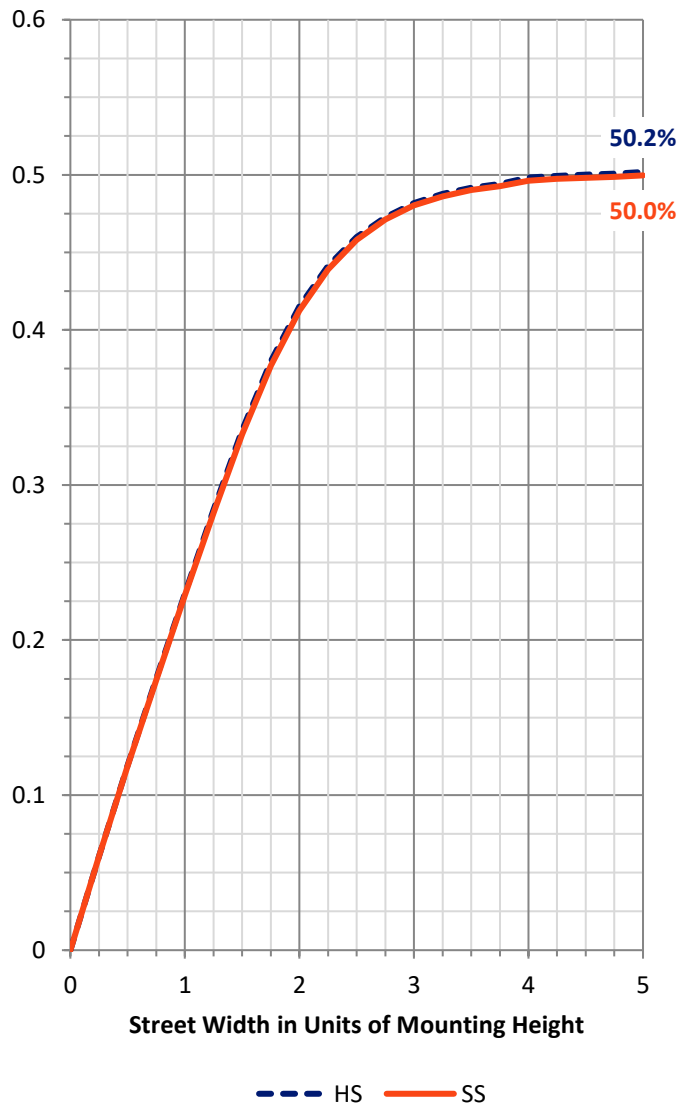
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8628.4	0.0	8628.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8628.4	0.0	8628.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17256.8	0.0	17256.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.8	0.7
10°-20°	363.7	2.1
20°-30°	629.5	3.6
30°-40°	1046.8	6.1
40°-50°	1888.6	10.9
50°-60°	4207.2	24.4
60°-70°	6270.1	36.3
70°-80°	2598.4	15.1
80°-90°	128.7	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°	17256.8	100.0
0°-180°	17256.8	100.0

**Coefficient of Utilization**

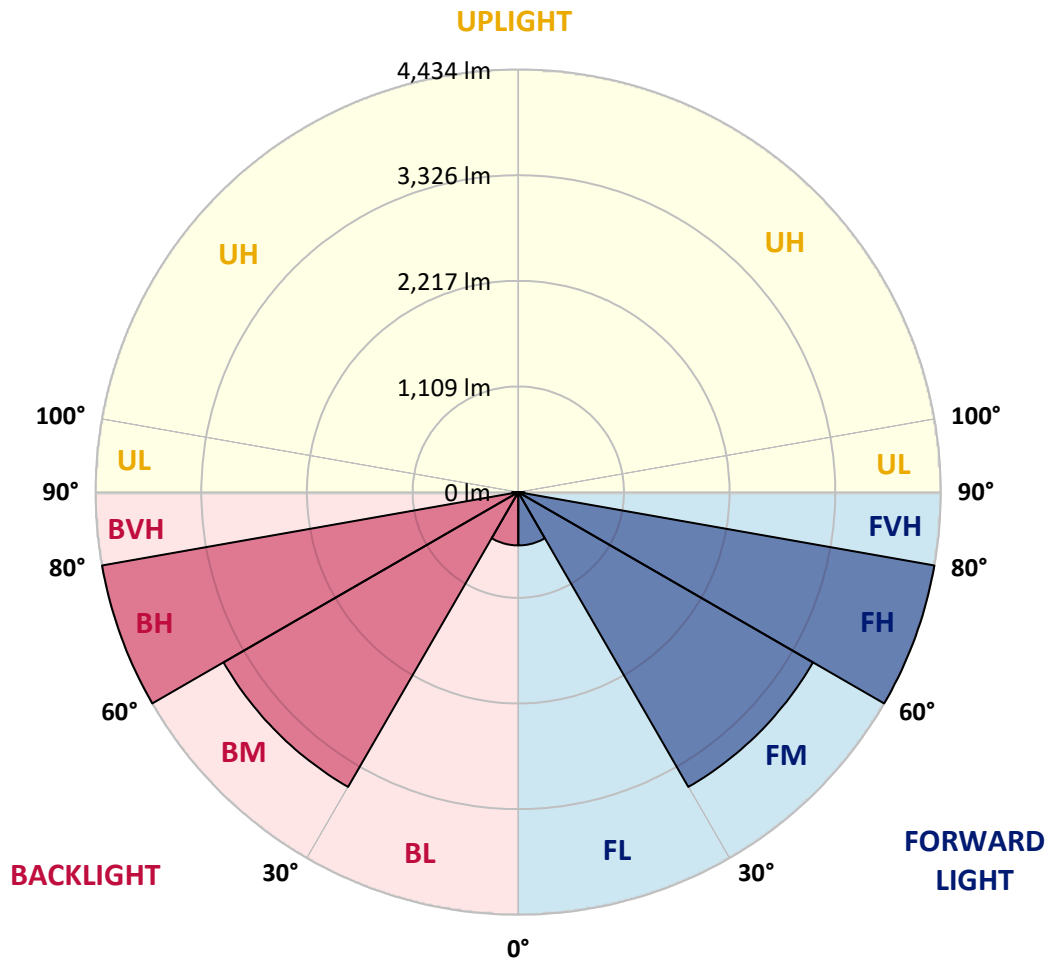


REPORT NUMBER: P479658  
 CATALOG NUMBER: IFLD-M-SA4A-730-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.5	3.2			
FM (30°-60°)	3571.3	20.7			
FH (60°-80°)	4434.2	25.7			G2/5000
FVH (80°-90°)	64.3	0.4			G1/100
BL (0°-30°)	558.5	3.2	B2/1000		
BM (30°-60°)	3571.3	20.7	B3/5000		
BH (60°-80°)	4434.2	25.7	B4/5000		G2/5000
BVH (80°-90°)	64.3	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





REPORT NUMBER: P479658  
 CATALOG NUMBER: IFLD-M-SA4A-730-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4
2.5°	1304.1	1307.9	1306.0	1306.0	1311.8	1315.6	1317.5	1336.5	1328.9	1334.6	1328.9
5°	1307.9	1307.9	1311.8	1307.9	1311.8	1307.9	1311.8	1306.0	1311.8	1315.6	1321.3
7.5°	1300.3	1296.5	1290.8	1290.8	1288.9	1285.1	1279.4	1294.6	1287.0	1292.7	1302.2
10°	1302.2	1296.5	1277.4	1281.3	1264.1	1264.1	1267.9	1267.9	1285.1	1304.1	1309.9
12.5°	1302.2	1290.8	1285.1	1260.3	1260.3	1262.2	1271.7	1275.5	1287.0	1294.6	1313.7
15°	1302.2	1296.5	1287.0	1254.6	1262.2	1258.4	1267.9	1267.9	1292.7	1306.0	1315.6
17.5°	1309.9	1313.7	1296.5	1266.0	1267.9	1275.5	1269.8	1275.5	1306.0	1315.6	1328.9
20°	1311.8	1296.5	1290.8	1271.7	1288.9	1285.1	1283.2	1294.6	1304.1	1321.3	1336.5
22.5°	1307.9	1313.7	1290.8	1288.9	1304.1	1311.8	1315.6	1302.2	1313.7	1325.1	1338.5
25°	1340.4	1319.4	1313.7	1309.9	1317.5	1325.1	1321.3	1332.7	1332.7	1346.1	1363.2
27.5°	1428.1	1430.0	1418.5	1372.8	1357.5	1340.4	1348.0	1378.5	1414.7	1443.3	1449.0
30°	1468.1	1475.7	1506.2	1498.6	1492.9	1498.6	1496.7	1504.3	1508.1	1510.1	1504.3
32.5°	1504.3	1500.5	1487.2	1521.5	1634.0	1719.8	1637.8	1525.3	1500.5	1492.9	1500.5
35°	1635.9	1635.9	1607.3	1563.4	1622.5	1643.5	1605.4	1552.0	1582.5	1645.4	1649.2
37.5°	1805.6	1780.8	1792.2	1786.5	1721.7	1675.9	1742.7	1777.0	1782.7	1780.8	1799.9
40°	1906.6	1889.5	1872.3	1902.8	1961.9	2003.9	1944.8	1862.8	1883.8	1925.7	1908.5
42.5°	2137.3	2093.5	2097.3	2066.8	2064.9	2051.5	2038.2	2043.9	2074.4	2122.1	2129.7
45°	2373.8	2394.7	2381.4	2324.2	2350.9	2350.9	2312.7	2341.3	2356.6	2411.9	2419.5
47.5°	2743.6	2734.1	2739.8	2688.4	2686.4	2699.8	2686.4	2688.4	2736.0	2732.2	2711.2
50°	3176.4	3203.1	3210.8	3186.0	3155.5	3149.8	3128.8	3155.5	3184.1	3186.0	3168.8
52.5°	3775.1	3803.7	3803.7	3811.4	3849.5	3830.4	3826.6	3828.5	3773.2	3735.1	3754.2
55°	4530.2	4539.7	4572.1	4638.8	4755.1	4770.4	4697.9	4665.5	4564.5	4503.5	4551.1
57.5°	5275.7	5313.8	5403.4	5576.9	5719.9	5876.2	5666.5	5453.0	5254.7	5157.4	5174.6
60°	5895.3	5950.6	6122.2	6364.3	6760.9	6903.9	6549.3	6183.2	5780.9	5483.5	5603.6
62.5°	6187.0	6272.8	6417.7	6907.7	7502.6	7708.5	7188.0	6522.6	5912.5	5626.5	5620.8
64°	6188.9	6202.3	6492.1	7020.2	7632.2	8030.7	7342.4	6522.6	5944.9	5592.2	5657.0
65°	6061.2	6116.5	6396.8	6917.3	7550.3	8057.4	7289.1	6433.0	5811.4	5536.9	5567.4
67.5°	5481.6	5479.7	5739.0	6255.7	7134.6	7754.3	6835.3	5931.5	5481.6	5184.1	5220.4
70°	4158.4	4225.1	4473.0	5107.9	6173.7	6837.2	5977.3	5041.1	4480.6	4242.3	4228.9
72.5°	2488.2	2575.9	2892.4	3666.5	4795.2	5601.7	4743.7	3729.4	3054.4	2676.9	2686.4
75°	1134.4	1199.3	1416.6	2047.7	3195.5	4095.4	3214.6	2156.4	1546.3	1306.0	1271.7
77.5°	318.4	358.4	478.6	940.0	1754.1	2455.7	1803.7	1039.1	674.9	560.5	549.1
80°	143.0	150.6	169.7	228.8	556.7	1083.0	745.5	381.3	253.6	209.7	200.2
82.5°	78.2	83.9	110.6	118.2	158.3	287.9	246.0	179.2	152.5	122.0	118.2
85°	43.9	45.8	62.9	62.9	76.3	83.9	89.6	95.3	93.4	68.6	66.7
87.5°	13.3	15.3	19.1	19.1	19.1	19.1	30.5	41.9	45.8	32.4	32.4
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)