

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: P479640

Luminaire Tested: **IFLD-S-SA3C-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479640  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (48) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

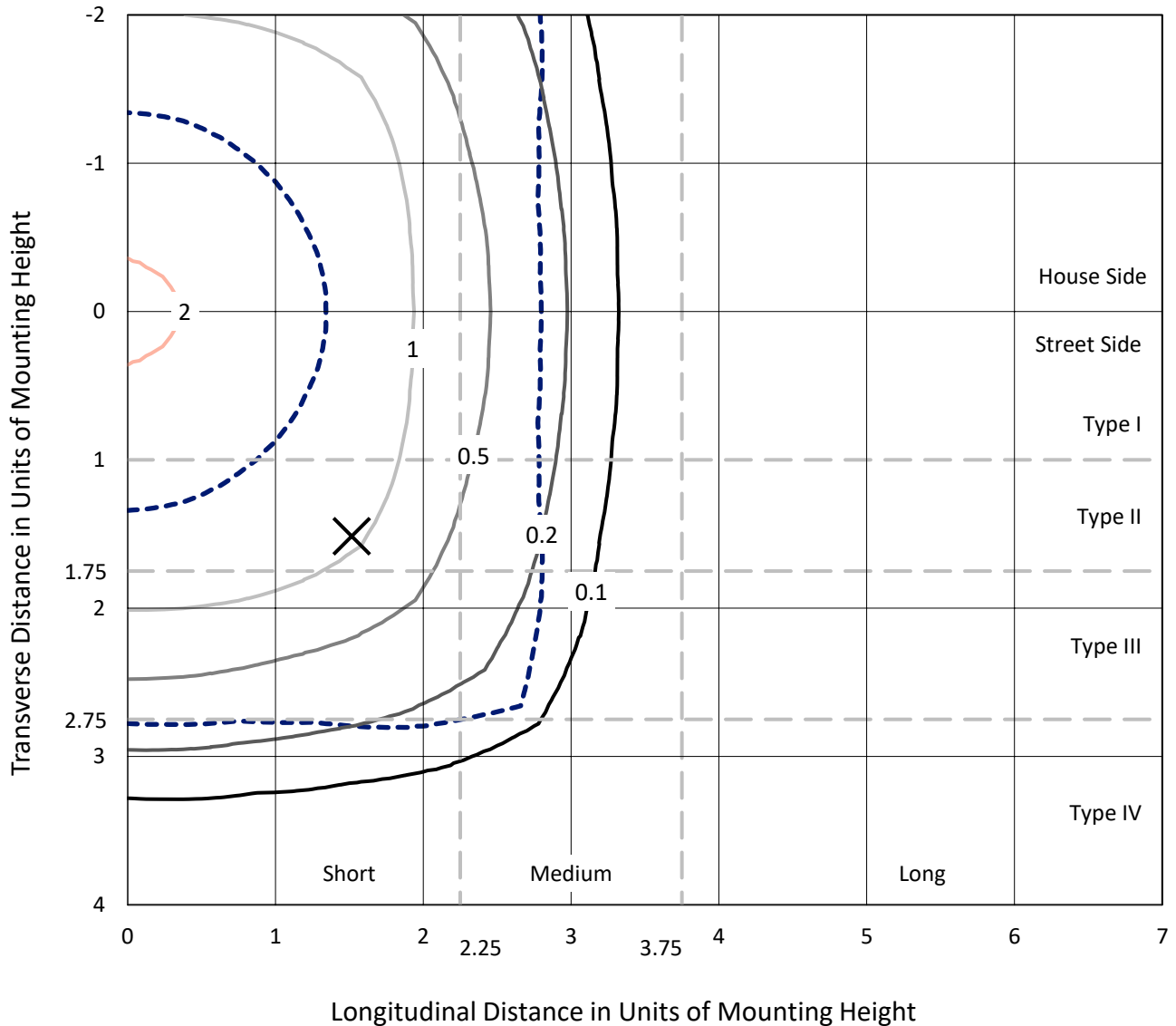
Lumens per Lamp: N/A  
Luminaire Lumens: 19793.5 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 160.8  
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

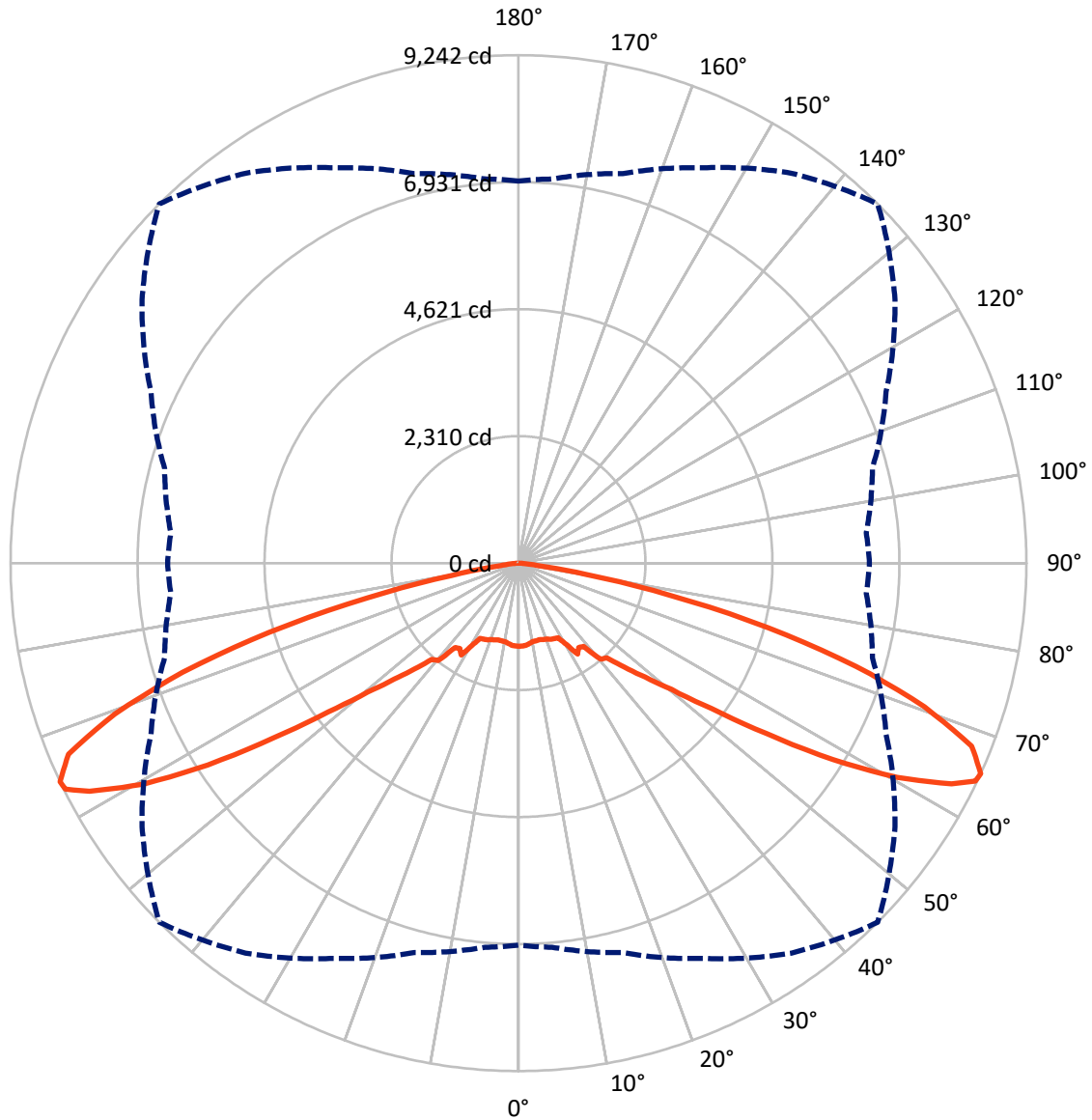
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P479640  
CATALOG NUMBER: IFLD-S-SA3C-730-U-5WQ

### Luminous Intensity Polar Plot



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

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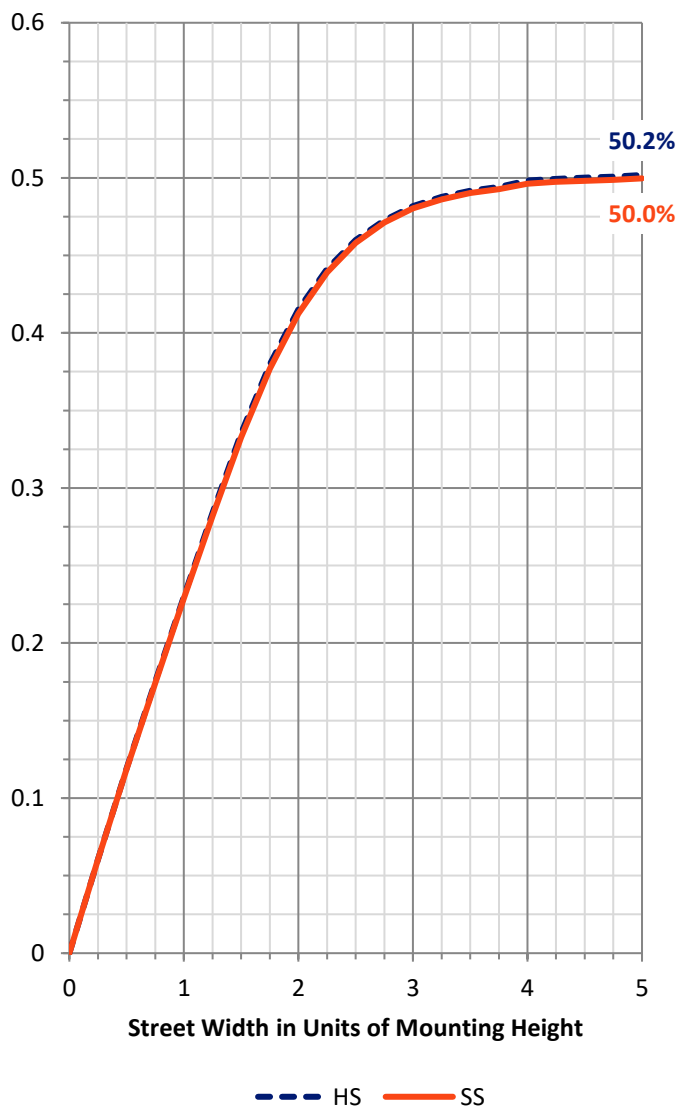
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9896.7	0.0	9896.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9896.7	0.0	9896.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19793.5	0.0	19793.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.0	0.7
10°-20°	417.2	2.1
20°-30°	722.1	3.6
30°-40°	1200.7	6.1
40°-50°	2166.2	10.9
50°-60°	4825.6	24.4
60°-70°	7191.7	36.3
70°-80°	2980.3	15.1
80°-90°	147.6	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°	19793.5	100.0
0°-180°	19793.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P479640

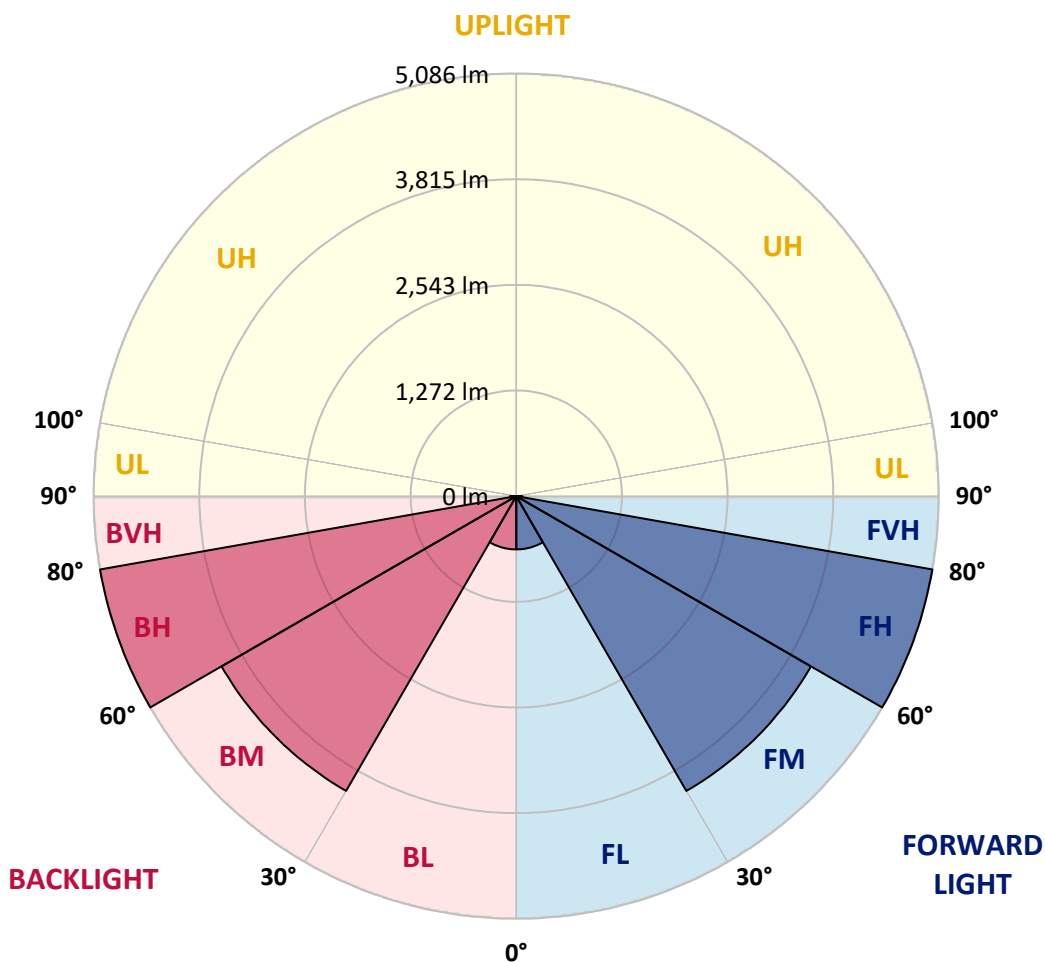
CATALOG NUMBER: IFLD-S-SA3C-730-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	640.6	3.2			
FM (30°-60°)	4096.3	20.7			
FH (60°-80°)	5086.0	25.7			G3/7500
FVH (80°-90°)	73.8	0.4			G1/100
BL (0°-30°)	640.6	3.2	B2/1000		
BM (30°-60°)	4096.3	20.7	B3/5000		
BH (60°-80°)	5086.0	25.7	B5		G3/7500
BVH (80°-90°)	73.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3
2.5°	1495.8	1500.2	1498.0	1498.0	1504.6	1509.0	1511.1	1533.0	1524.3	1530.8	1524.3
5°	1500.2	1500.2	1504.6	1500.2	1504.6	1500.2	1504.6	1498.0	1504.6	1509.0	1515.5
7.5°	1491.5	1487.1	1480.5	1480.5	1478.3	1474.0	1467.4	1484.9	1476.2	1482.7	1493.7
10°	1493.7	1487.1	1465.2	1469.6	1449.9	1449.9	1454.3	1454.3	1474.0	1495.8	1502.4
12.5°	1493.7	1480.5	1474.0	1445.5	1445.5	1447.7	1458.7	1463.0	1476.2	1484.9	1506.8
15°	1493.7	1487.1	1476.2	1439.0	1447.7	1443.4	1454.3	1454.3	1482.7	1498.0	1509.0
17.5°	1502.4	1506.8	1487.1	1452.1	1454.3	1463.0	1456.5	1463.0	1498.0	1509.0	1524.3
20°	1504.6	1487.1	1480.5	1458.7	1478.3	1474.0	1471.8	1484.9	1495.8	1515.5	1533.0
22.5°	1500.2	1506.8	1480.5	1478.3	1495.8	1504.6	1509.0	1493.7	1506.8	1519.9	1535.2
25°	1537.4	1513.3	1506.8	1502.4	1511.1	1519.9	1515.5	1528.6	1528.6	1543.9	1563.6
27.5°	1638.0	1640.2	1627.1	1574.6	1557.1	1537.4	1546.1	1581.1	1622.7	1655.5	1662.0
30°	1683.9	1692.7	1727.6	1718.9	1712.3	1718.9	1716.7	1725.5	1729.8	1732.0	1725.5
32.5°	1725.5	1721.1	1705.8	1745.1	1874.2	1972.6	1878.5	1749.5	1721.1	1712.3	1721.1
35°	1876.4	1876.4	1843.6	1793.3	1861.1	1885.1	1841.4	1780.1	1815.1	1887.3	1891.7
37.5°	2071.0	2042.6	2055.7	2049.1	1974.8	1922.3	1998.8	2038.2	2044.7	2042.6	2064.4
40°	2186.9	2167.2	2147.5	2182.5	2250.3	2298.4	2230.6	2136.6	2160.7	2208.8	2189.1
42.5°	2451.5	2401.2	2405.6	2370.6	2368.4	2353.1	2337.8	2344.4	2379.3	2434.0	2442.8
45°	2722.7	2746.7	2731.4	2665.8	2696.4	2696.4	2652.7	2685.5	2703.0	2766.4	2775.2
47.5°	3146.9	3136.0	3142.6	3083.5	3081.3	3096.6	3081.3	3083.5	3138.2	3133.8	3109.8
50°	3643.4	3674.0	3682.7	3654.3	3619.3	3612.8	3588.7	3619.3	3652.1	3654.3	3634.6
52.5°	4330.1	4362.9	4362.9	4371.6	4415.3	4393.5	4389.1	4391.3	4327.9	4284.1	4306.0
55°	5196.1	5207.0	5244.2	5320.7	5454.1	5471.6	5388.5	5351.3	5235.4	5165.5	5220.1
57.5°	6051.1	6094.9	6197.7	6396.7	6560.7	6740.0	6499.5	6254.5	6027.1	5915.6	5935.2
60°	6761.9	6825.3	7022.1	7299.9	7754.7	7918.8	7512.0	7092.1	6630.7	6289.5	6427.3
62.5°	7096.5	7194.9	7361.1	7923.1	8605.4	8841.6	8244.6	7481.4	6781.6	6453.5	6447.0
64°	7098.7	7114.0	7446.4	8052.2	8754.2	9211.2	8421.7	7481.4	6818.7	6414.2	6488.5
65°	6952.1	7015.6	7337.0	7934.1	8660.1	9241.8	8360.5	7378.6	6665.7	6350.8	6385.7
67.5°	6287.3	6285.1	6582.6	7175.2	8183.4	8894.1	7840.0	6803.4	6287.3	5946.2	5987.7
70°	4769.6	4846.2	5130.5	5858.7	7081.2	7842.2	6855.9	5782.2	5139.2	4865.8	4850.5
72.5°	2853.9	2954.5	3317.5	4205.4	5500.0	6425.1	5441.0	4277.6	3503.4	3070.4	3081.3
75°	1301.2	1375.6	1624.9	2348.7	3665.2	4697.5	3687.1	2473.4	1773.6	1498.0	1458.7
77.5°	365.2	411.1	548.9	1078.1	2011.9	2816.7	2068.8	1191.9	774.2	642.9	629.8
80°	164.0	172.8	194.6	262.4	638.6	1242.2	855.1	437.4	290.9	240.6	229.6
82.5°	89.7	96.2	126.8	135.6	181.5	330.2	282.1	205.6	175.0	140.0	135.6
85°	50.3	52.5	72.2	72.2	87.5	96.2	102.8	109.3	107.2	78.7	76.5
87.5°	15.3	17.5	21.9	21.9	21.9	21.9	35.0	48.1	52.5	37.2	37.2
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)