

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: P479635

Luminaire Tested: **IFLD-S-SA2C-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479635  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

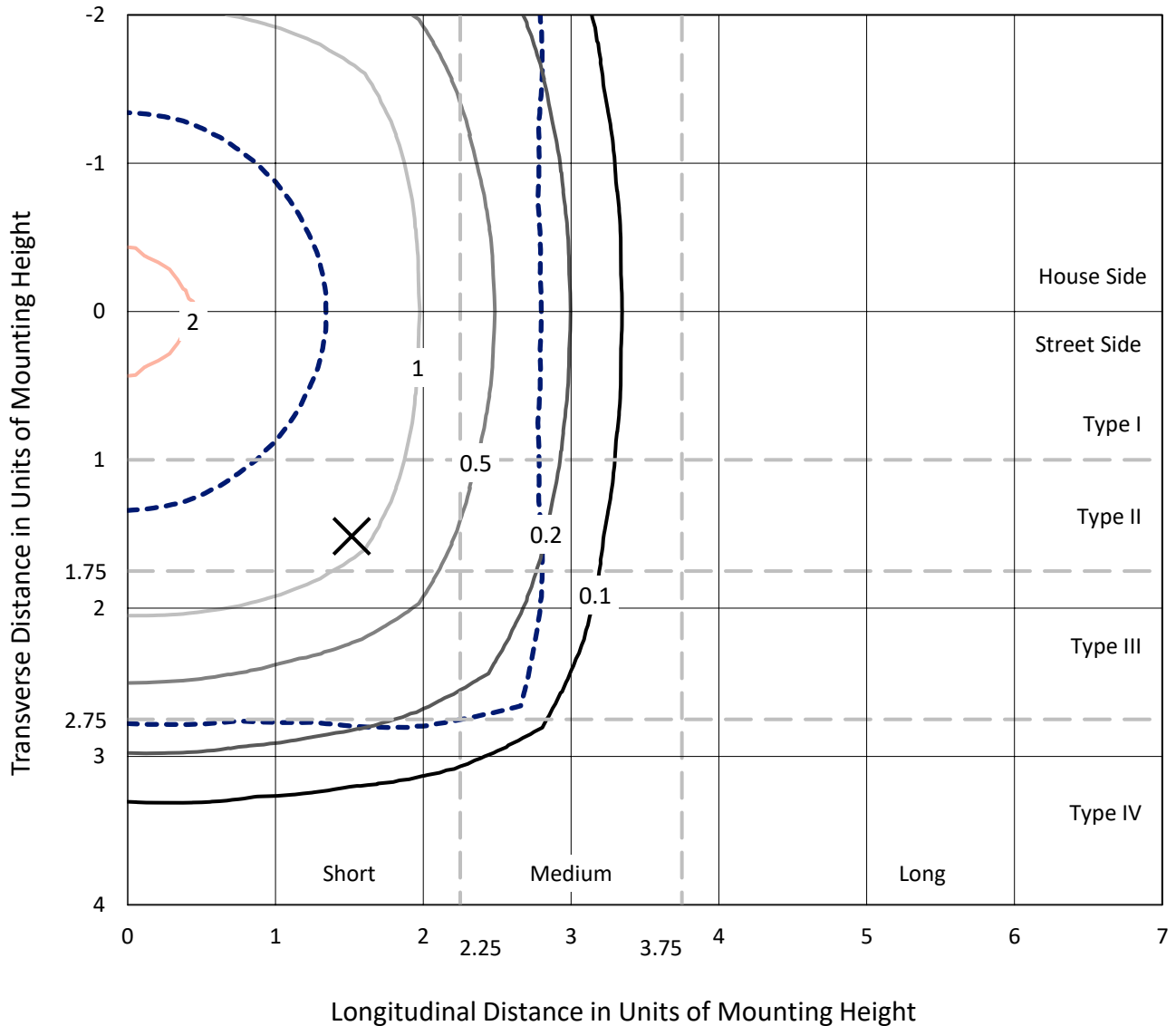
Lumens per Lamp: N/A  
Luminaire Lumens: 13281.7 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 108.2  
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

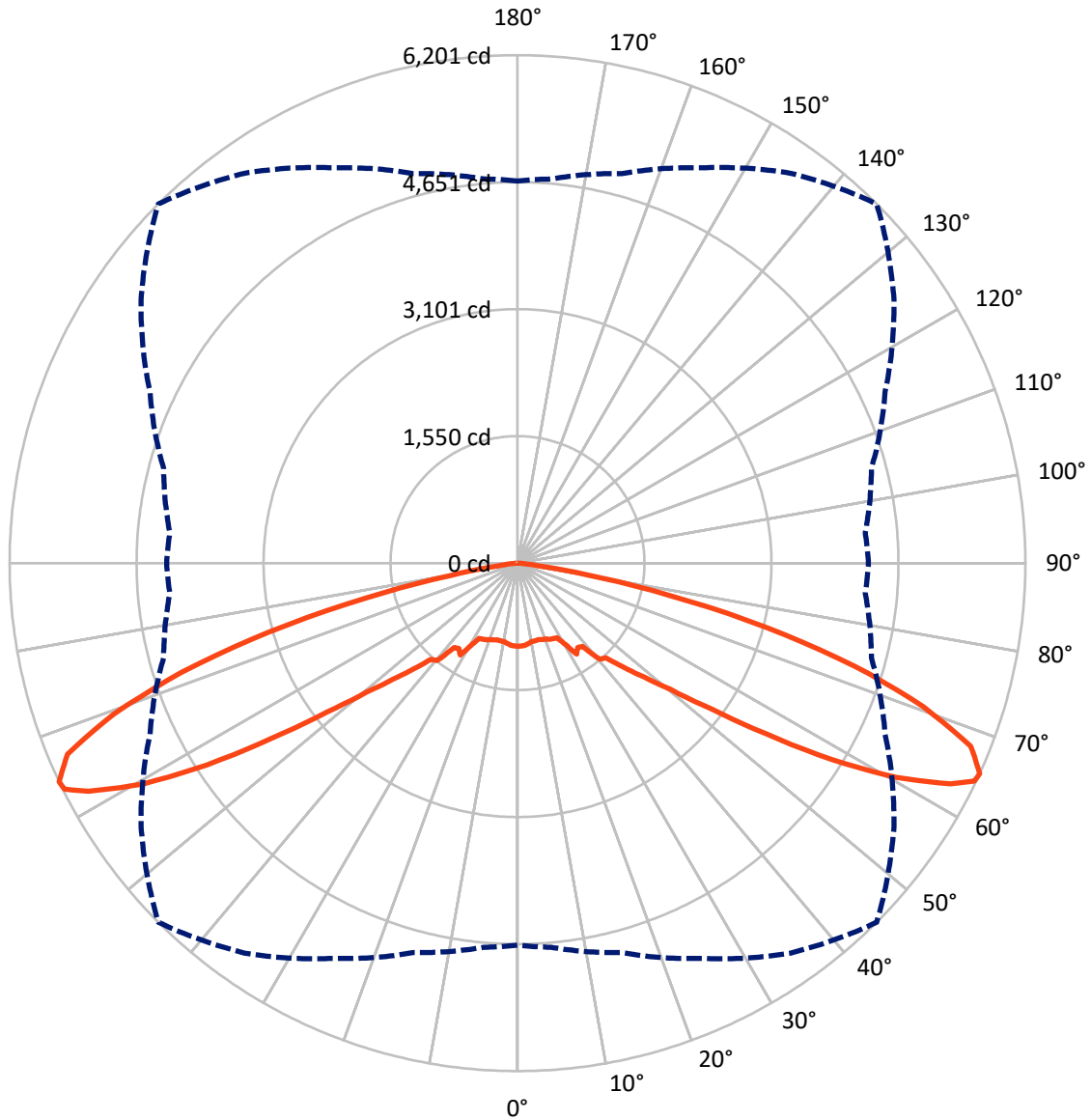
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 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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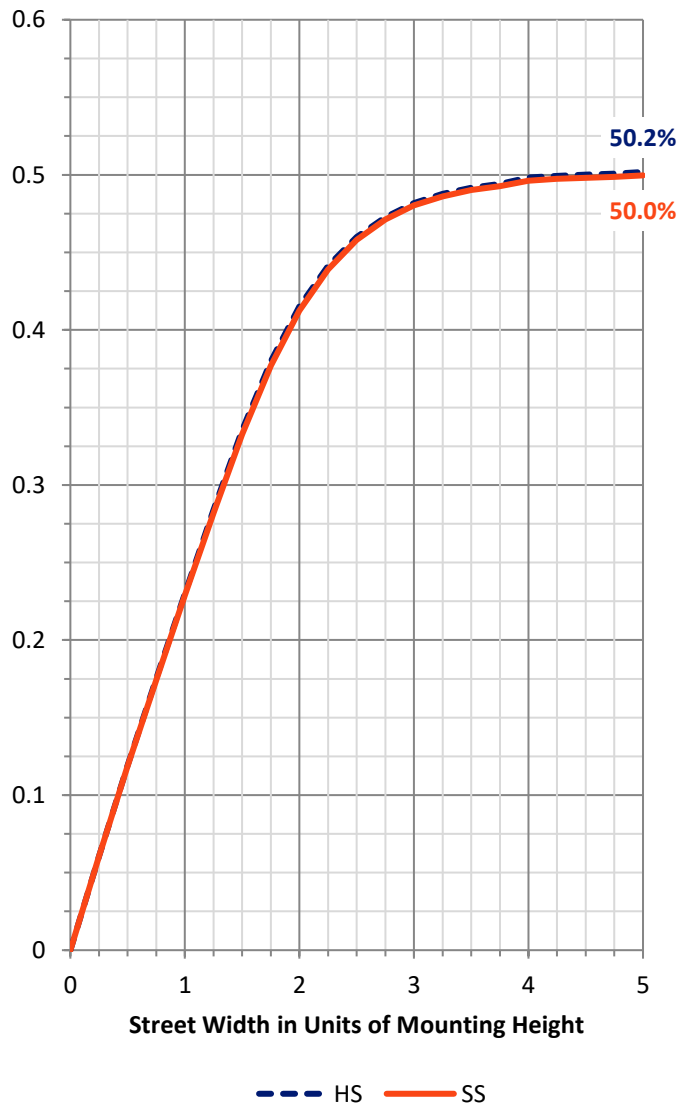
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6640.9	0.0	6640.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6640.9	0.0	6640.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13281.7	0.0	13281.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	0.7
10°-20°	279.9	2.1
20°-30°	484.5	3.6
30°-40°	805.7	6.1
40°-50°	1453.6	10.9
50°-60°	3238.1	24.4
60°-70°	4825.8	36.3
70°-80°	1999.8	15.1
80°-90°	99.1	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°	13281.7	100.0
0°-180°	13281.7	100.0

**Coefficient of Utilization**



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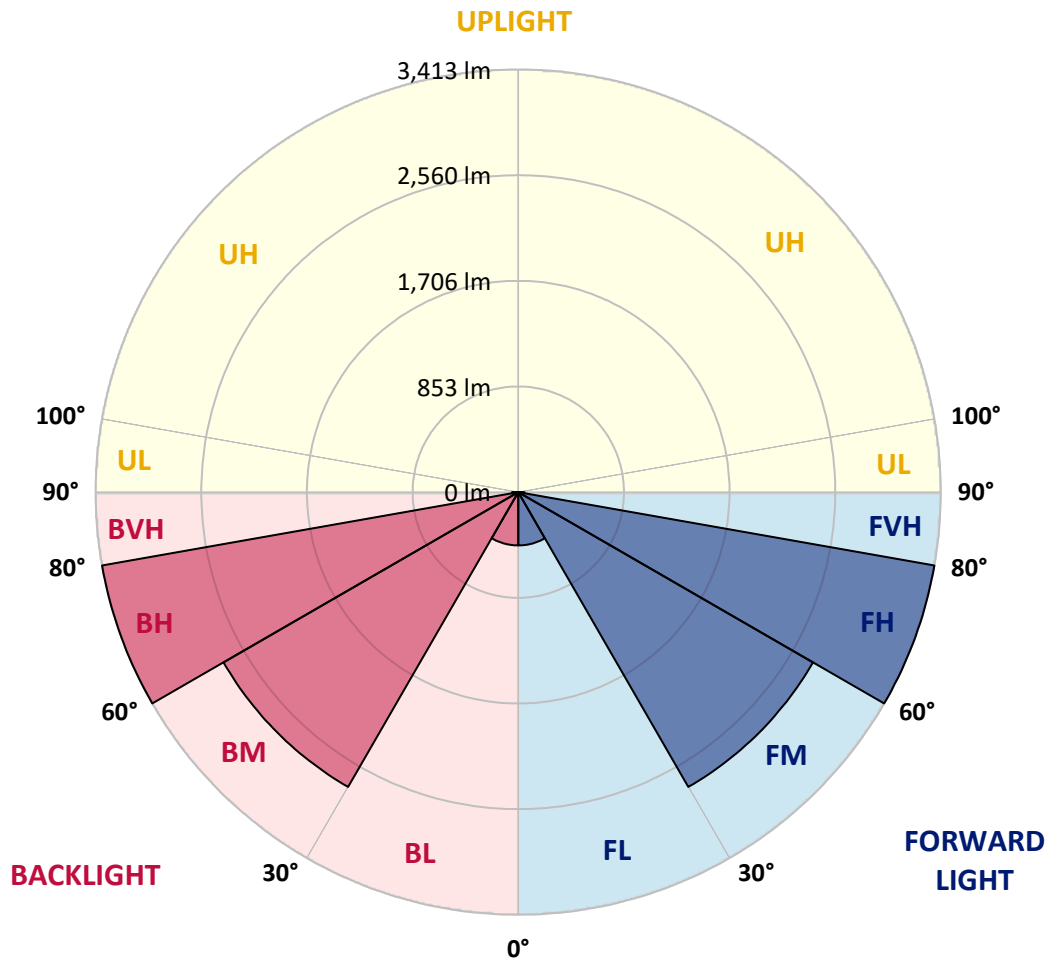
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.9	3.2			
FM (30°-60°)	2748.7	20.7			
FH (60°-80°)	3412.8	25.7			G2/5000
FVH (80°-90°)	49.5	0.4			G1/100
BL (0°-30°)	429.9	3.2	B1/500		
BM (30°-60°)	2748.7	20.7	B3/5000		
BH (60°-80°)	3412.8	25.7	B4/5000		G2/5000
BVH (80°-90°)	49.5	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°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1003.7	1006.7	1005.2	1005.2	1009.6	1012.5	1014.0	1028.7	1022.8	1027.2	1022.8
5°	1006.7	1006.7	1009.6	1006.7	1009.6	1006.7	1009.6	1005.2	1009.6	1012.5	1016.9
7.5°	1000.8	997.9	993.5	993.5	992.0	989.1	984.7	996.4	990.5	994.9	1002.3
10°	1002.3	997.9	983.2	986.1	972.9	972.9	975.8	975.8	989.1	1003.7	1008.1
12.5°	1002.3	993.5	989.1	970.0	970.0	971.4	978.8	981.7	990.5	996.4	1011.1
15°	1002.3	997.9	990.5	965.6	971.4	968.5	975.8	975.8	994.9	1005.2	1012.5
17.5°	1008.1	1011.1	997.9	974.4	975.8	981.7	977.3	981.7	1005.2	1012.5	1022.8
20°	1009.6	997.9	993.5	978.8	992.0	989.1	987.6	996.4	1003.7	1016.9	1028.7
22.5°	1006.7	1011.1	993.5	992.0	1003.7	1009.6	1012.5	1002.3	1011.1	1019.9	1030.1
25°	1031.6	1015.5	1011.1	1008.1	1014.0	1019.9	1016.9	1025.7	1025.7	1036.0	1049.2
27.5°	1099.1	1100.6	1091.8	1056.6	1044.8	1031.6	1037.5	1061.0	1088.8	1110.9	1115.3
30°	1129.9	1135.8	1159.3	1153.4	1149.0	1153.4	1151.9	1157.8	1160.7	1162.2	1157.8
32.5°	1157.8	1154.9	1144.6	1171.0	1257.6	1323.6	1260.5	1174.0	1154.9	1149.0	1154.9
35°	1259.1	1259.1	1237.1	1203.3	1248.8	1264.9	1235.6	1194.5	1218.0	1266.4	1269.3
37.5°	1389.7	1370.6	1379.4	1375.0	1325.1	1289.9	1341.2	1367.7	1372.1	1370.6	1385.3
40°	1467.4	1454.2	1441.0	1464.5	1510.0	1542.3	1496.8	1433.7	1449.8	1482.1	1468.9
42.5°	1645.0	1611.2	1614.2	1590.7	1589.2	1579.0	1568.7	1573.1	1596.6	1633.3	1639.1
45°	1827.0	1843.1	1832.8	1788.8	1809.4	1809.4	1780.0	1802.0	1813.8	1856.3	1862.2
47.5°	2111.6	2104.3	2108.7	2069.1	2067.6	2077.9	2067.6	2069.1	2105.8	2102.8	2086.7
50°	2444.8	2465.3	2471.2	2452.1	2428.6	2424.2	2408.1	2428.6	2450.6	2452.1	2438.9
52.5°	2905.5	2927.5	2927.5	2933.4	2962.8	2948.1	2945.1	2946.6	2904.1	2874.7	2889.4
55°	3486.6	3494.0	3518.9	3570.3	3659.8	3671.5	3615.8	3590.8	3513.0	3466.1	3502.8
57.5°	4060.4	4089.8	4158.7	4292.3	4402.3	4522.6	4361.2	4196.9	4044.3	3969.4	3982.6
60°	4537.3	4579.9	4711.9	4898.3	5203.5	5313.6	5040.7	4758.9	4449.3	4220.4	4312.8
62.5°	4761.8	4827.9	4939.4	5316.5	5774.4	5932.9	5532.2	5020.1	4550.5	4330.4	4326.0
64°	4763.3	4773.6	4996.6	5403.1	5874.2	6180.9	5651.1	5020.1	4575.5	4304.0	4353.9
65°	4665.0	4707.5	4923.3	5323.9	5811.1	6201.4	5610.0	4951.1	4472.8	4261.4	4284.9
67.5°	4218.9	4217.4	4417.0	4814.7	5491.2	5968.1	5260.8	4565.2	4218.9	3990.0	4017.8
70°	3200.5	3251.8	3442.6	3931.3	4751.6	5262.2	4600.4	3879.9	3448.5	3265.1	3254.8
72.5°	1915.0	1982.5	2226.1	2821.9	3690.6	4311.3	3651.0	2870.3	2350.8	2060.3	2067.6
75°	873.1	923.0	1090.3	1576.0	2459.4	3152.1	2474.1	1659.7	1190.1	1005.2	978.8
77.5°	245.1	275.9	368.3	723.4	1350.0	1890.1	1388.2	799.8	519.5	431.4	422.6
80°	110.1	115.9	130.6	176.1	428.5	833.5	573.8	293.5	195.2	161.4	154.1
82.5°	60.2	64.6	85.1	91.0	121.8	221.6	189.3	137.9	117.4	93.9	91.0
85°	33.8	35.2	48.4	48.4	58.7	64.6	69.0	73.4	71.9	52.8	51.4
87.5°	10.3	11.7	14.7	14.7	14.7	14.7	23.5	32.3	35.2	24.9	24.9
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)