

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: P479660

Luminaire Tested: **IFLD-M-SA4C-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479660
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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

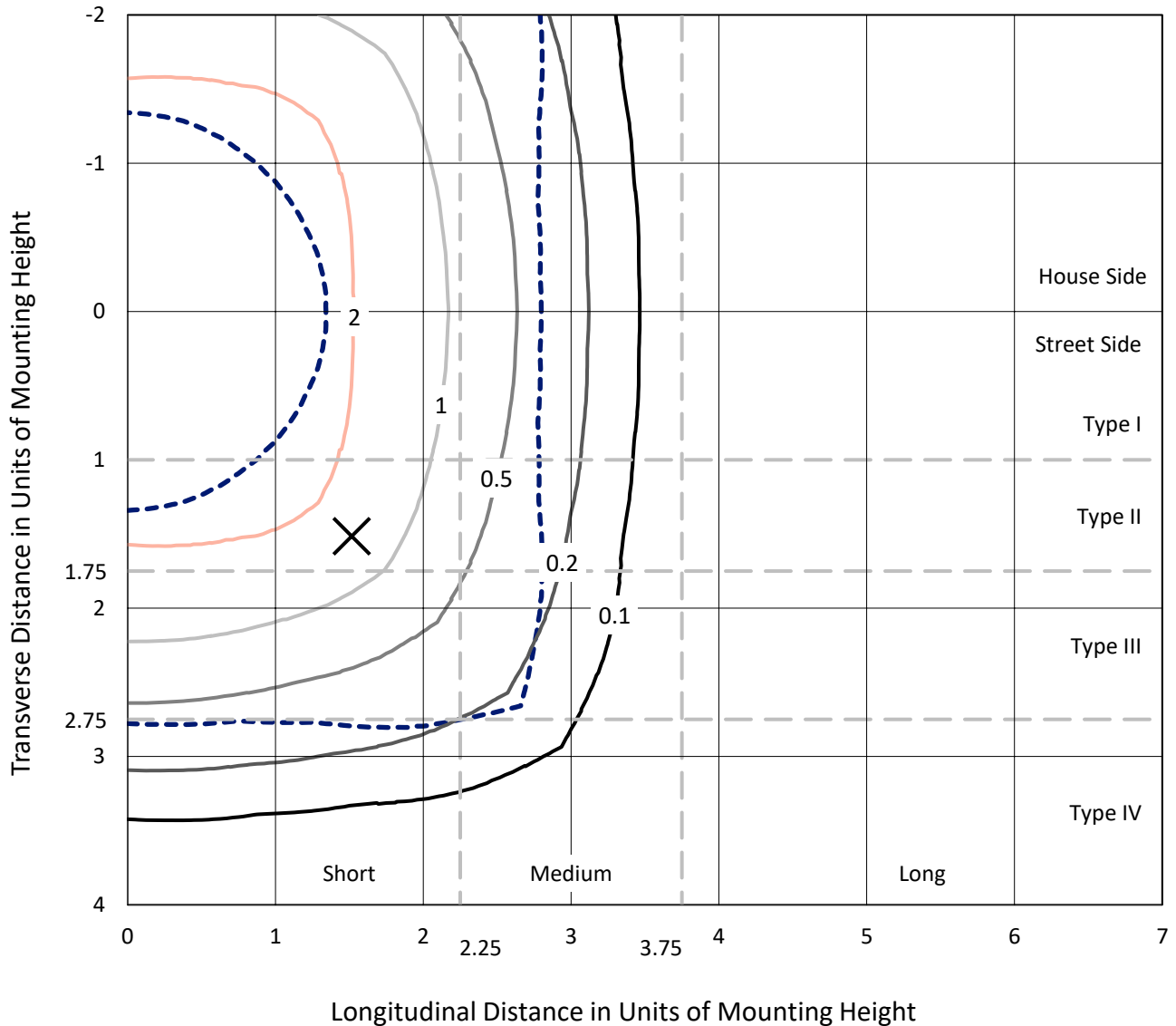
Lumens per Lamp: N/A
Luminaire Lumens: 26568 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 218.1
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

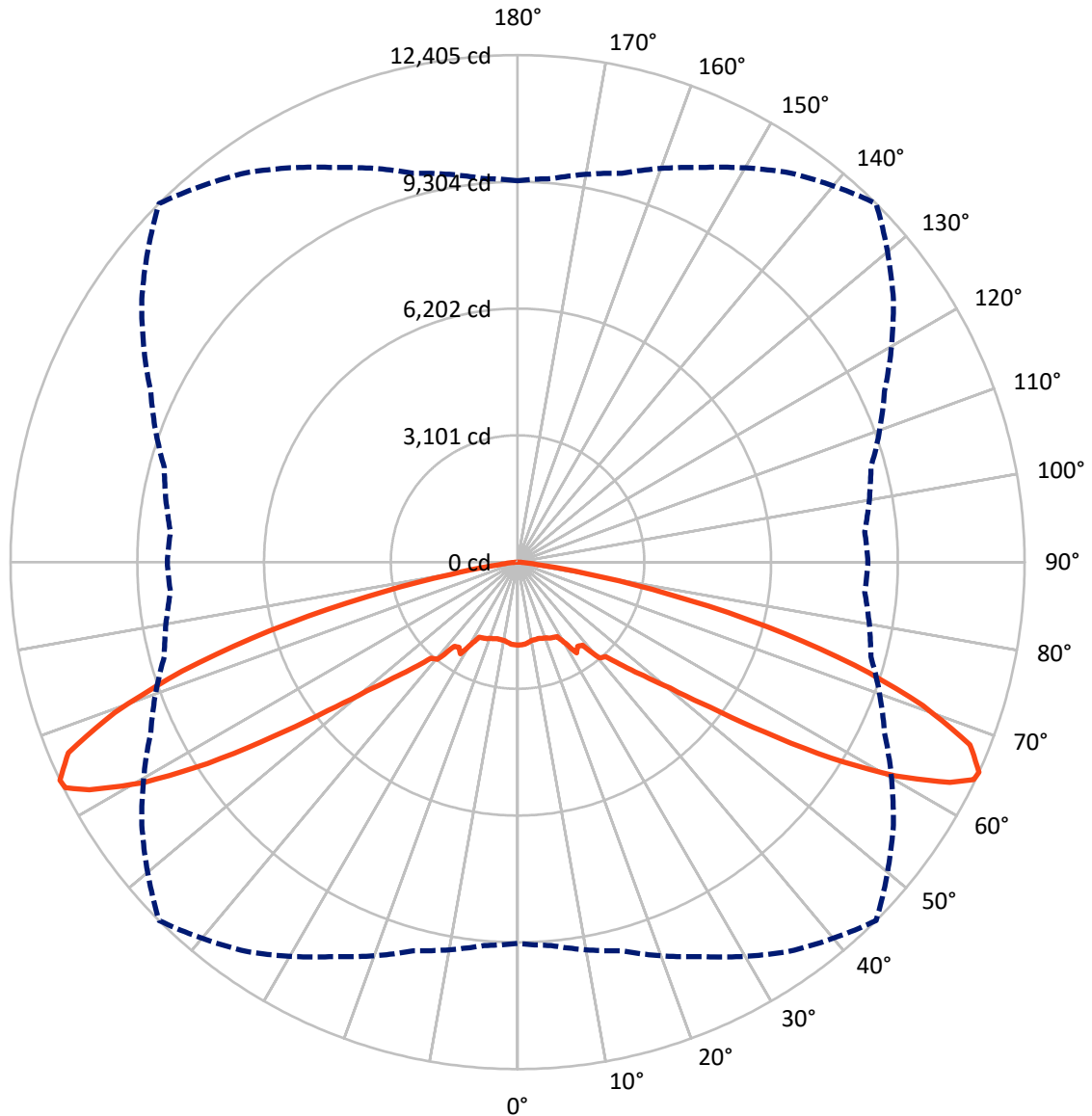
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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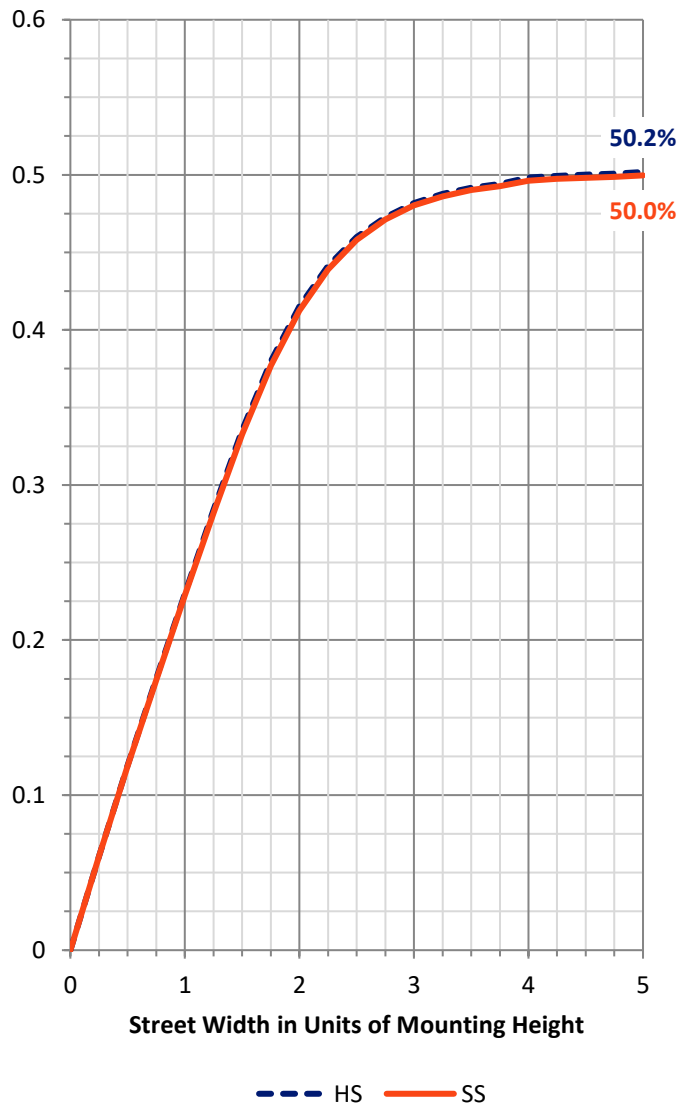
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13284.0	0.0	13284.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13284.0	0.0	13284.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26568.0	0.0	26568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	0.7
10°-20°	559.9	2.1
20°-30°	969.2	3.6
30°-40°	1611.6	6.1
40°-50°	2907.6	10.9
50°-60°	6477.2	24.4
60°-70°	9653.2	36.3
70°-80°	4000.4	15.1
80°-90°	198.1	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°	26568.0	100.0
0°-180°	26568.0	100.0

Coefficient of Utilization



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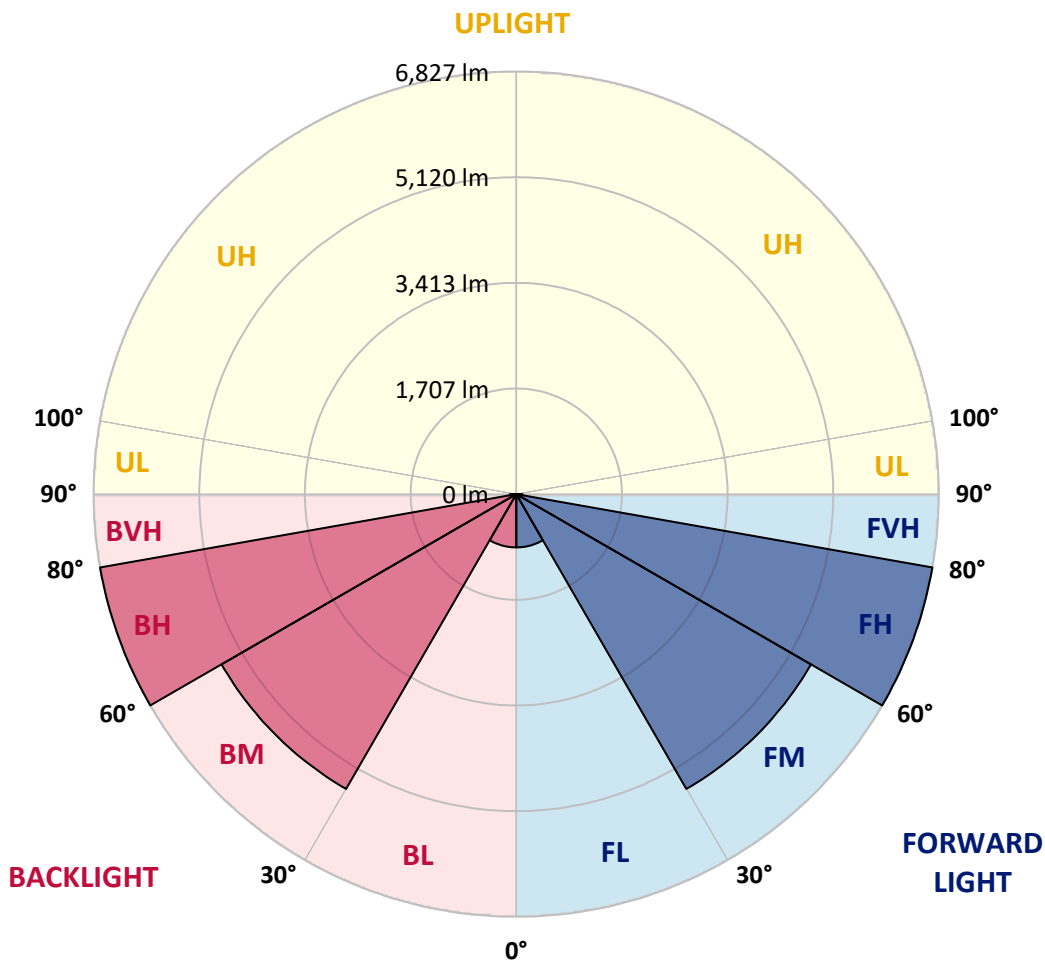
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	859.9	3.2			
FM (30°-60°)	5498.2	20.7			
FH (60°-80°)	6826.8	25.7			G3/7500
FVH (80°-90°)	99.1	0.4			G1/100
BL (0°-30°)	859.9	3.2	B2/1000		
BM (30°-60°)	5498.2	20.7	B4/8500		
BH (60°-80°)	6826.8	25.7	B5		G3/7500
BVH (80°-90°)	99.1	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°	2031.3	2031.3	2031.3	2031.3	2031.3	2031.3	2031.3	2031.3	2031.3	2031.3	2031.3
2.5°	2007.8	2013.7	2010.7	2010.7	2019.5	2025.4	2028.3	2057.7	2046.0	2054.8	2046.0
5°	2013.7	2013.7	2019.5	2013.7	2019.5	2013.7	2019.5	2010.7	2019.5	2025.4	2034.2
7.5°	2001.9	1996.1	1987.3	1987.3	1984.3	1978.4	1969.6	1993.1	1981.4	1990.2	2004.9
10°	2004.9	1996.1	1966.7	1972.6	1946.2	1946.2	1952.0	1952.0	1978.4	2007.8	2016.6
12.5°	2004.9	1987.3	1978.4	1940.3	1940.3	1943.2	1957.9	1963.8	1981.4	1993.1	2022.5
15°	2004.9	1996.1	1981.4	1931.5	1943.2	1937.4	1952.0	1952.0	1990.2	2010.7	2025.4
17.5°	2016.6	2022.5	1996.1	1949.1	1952.0	1963.8	1955.0	1963.8	2010.7	2025.4	2046.0
20°	2019.5	1996.1	1987.3	1957.9	1984.3	1978.4	1975.5	1993.1	2007.8	2034.2	2057.7
22.5°	2013.7	2022.5	1987.3	1984.3	2007.8	2019.5	2025.4	2004.9	2022.5	2040.1	2060.6
25°	2063.6	2031.3	2022.5	2016.6	2028.3	2040.1	2034.2	2051.8	2051.8	2072.4	2098.8
27.5°	2198.6	2201.5	2183.9	2113.5	2090.0	2063.6	2075.3	2122.3	2178.1	2222.1	2230.9
30°	2260.2	2272.0	2319.0	2307.2	2298.4	2307.2	2304.3	2316.0	2321.9	2324.8	2316.0
32.5°	2316.0	2310.1	2289.6	2342.4	2515.6	2647.7	2521.5	2348.3	2310.1	2298.4	2310.1
35°	2518.6	2518.6	2474.5	2407.0	2498.0	2530.3	2471.6	2389.4	2436.4	2533.2	2539.1
37.5°	2779.8	2741.6	2759.3	2750.5	2650.6	2580.2	2682.9	2735.8	2744.6	2741.6	2771.0
40°	2935.4	2909.0	2882.5	2929.5	3020.5	3085.1	2994.1	2867.9	2900.2	2964.7	2938.3
42.5°	3290.6	3223.0	3228.9	3182.0	3179.0	3158.5	3137.9	3146.7	3193.7	3267.1	3278.8
45°	3654.5	3686.8	3666.3	3578.2	3619.3	3619.3	3560.6	3604.6	3628.1	3713.3	3725.0
47.5°	4224.0	4209.3	4218.1	4138.9	4136.0	4156.5	4136.0	4138.9	4212.3	4206.4	4174.1
50°	4890.3	4931.4	4943.2	4905.0	4858.1	4849.2	4817.0	4858.1	4902.1	4905.0	4878.6
52.5°	5812.1	5856.1	5856.1	5867.8	5926.5	5897.2	5891.3	5894.2	5809.1	5750.4	5779.8
55°	6974.5	6989.1	7039.0	7141.8	7320.8	7344.3	7232.8	7182.9	7027.3	6933.4	7006.8
57.5°	8122.2	8180.9	8318.9	8586.0	8806.1	9046.8	8724.0	8395.2	8089.9	7940.2	7966.6
60°	9076.2	9161.3	9425.5	9798.3	10408.9	10629.0	10083.0	9519.4	8900.1	8442.2	8627.1
62.5°	9525.3	9657.4	9880.5	10634.9	11550.7	11867.7	11066.4	10041.9	9102.6	8662.3	8653.5
64°	9528.2	9548.8	9995.0	10808.1	11750.3	12363.8	11304.2	10041.9	9152.5	8609.5	8709.3
65°	9331.6	9416.7	9848.2	10649.6	11624.1	12404.9	11222.0	9904.0	8947.0	8524.3	8571.3
67.5°	8439.2	8436.3	8835.5	9631.0	10984.2	11938.2	10523.3	9132.0	8439.2	7981.3	8037.1
70°	6402.1	6504.8	6886.4	7863.9	9504.8	10526.3	9202.4	7761.1	6898.1	6531.2	6510.7
72.5°	3830.7	3965.7	4453.0	5644.7	7382.5	8624.2	7303.2	5741.6	4702.5	4121.3	4136.0
75°	1746.6	1846.4	2181.0	3152.6	4919.7	6305.2	4949.1	3319.9	2380.6	2010.7	1957.9
77.5°	490.2	551.9	736.8	1447.1	2700.6	3780.8	2776.9	1599.8	1039.1	863.0	845.4
80°	220.2	231.9	261.2	352.2	857.1	1667.3	1147.7	587.1	390.4	322.9	308.2
82.5°	120.4	129.2	170.3	182.0	243.6	443.2	378.7	275.9	234.8	187.9	182.0
85°	67.5	70.4	96.9	96.9	117.4	129.2	138.0	146.8	143.8	105.7	102.7
87.5°	20.5	23.5	29.4	29.4	29.4	29.4	47.0	64.6	70.4	49.9	49.9
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)