

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: P479738

Luminaire Tested: **IFLD-M-SA4C-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479738
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

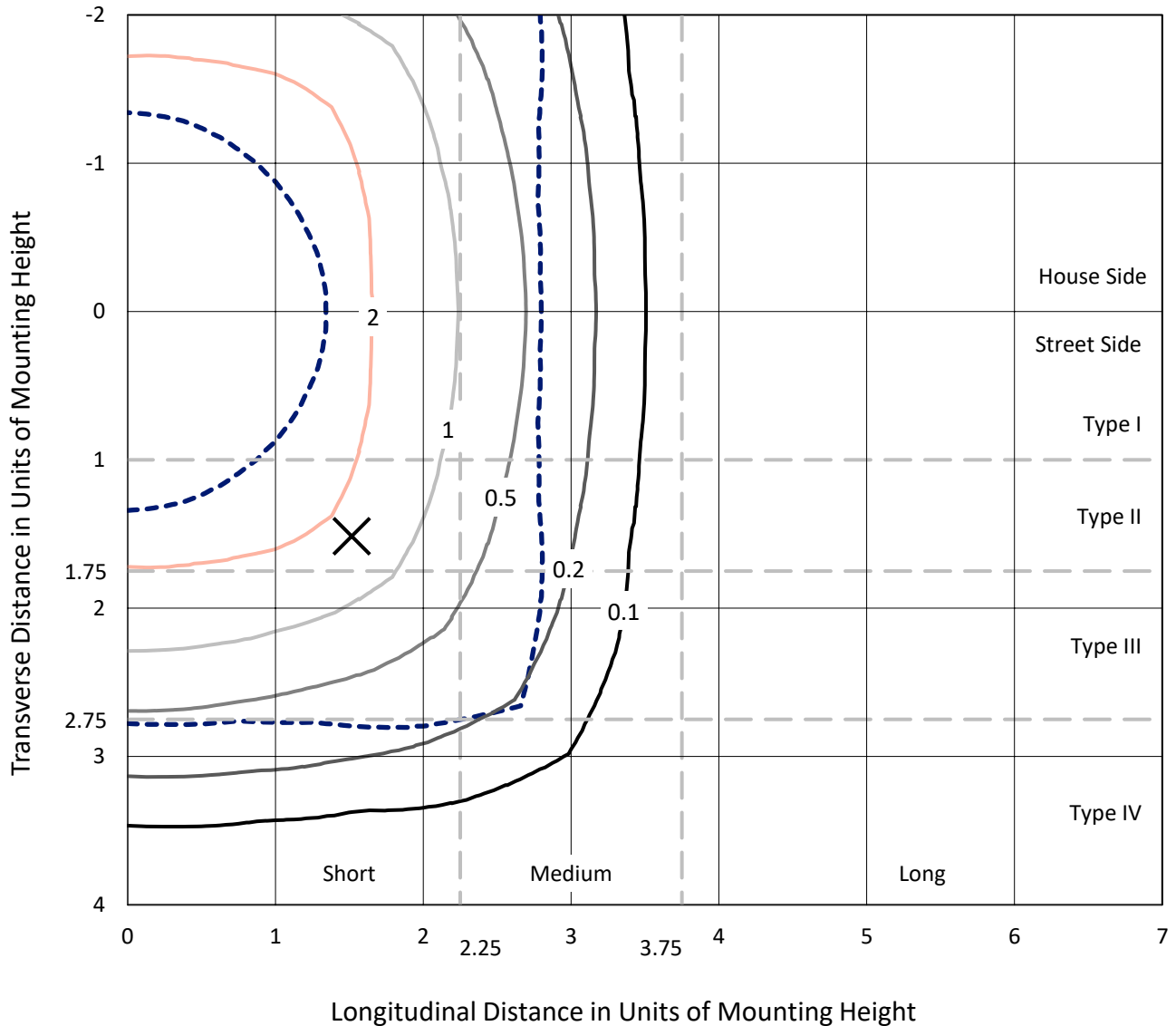
Lumens per Lamp: N/A
Luminaire Lumens: 29176.3 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (A_{in}): 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: P479738
 CATALOG NUMBER: IFLD-M-SA4C-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

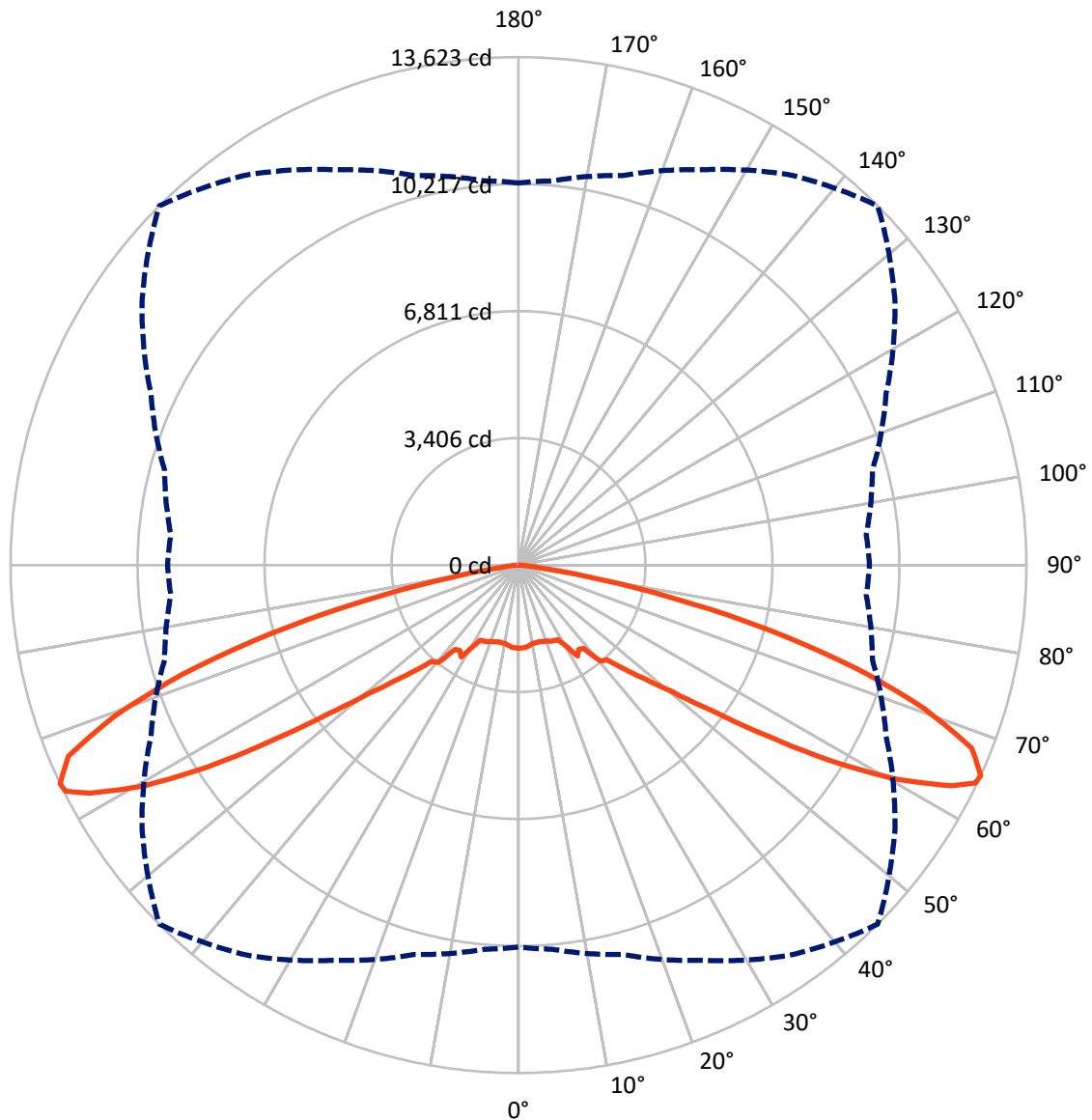
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P479738
CATALOG NUMBER: IFLD-M-SA4C-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479738
 CATALOG NUMBER: IFLD-M-SA4C-740-U-5WQ

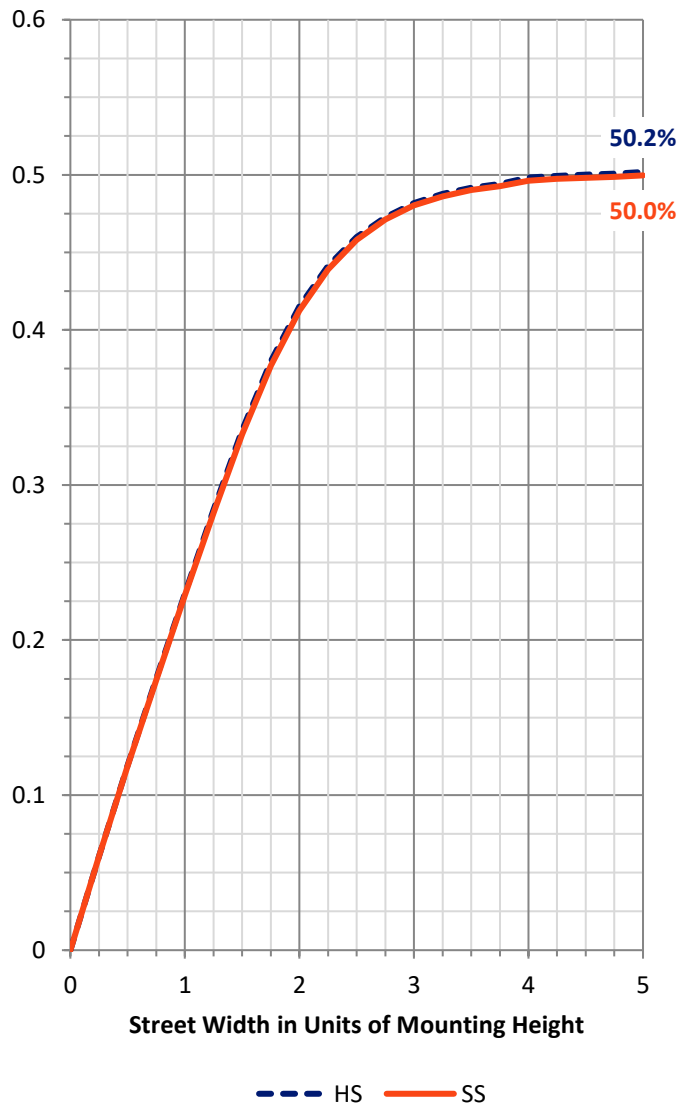
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14588.2	0.0	14588.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14588.2	0.0	14588.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	29176.3	0.0	29176.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	0.7
10°-20°	614.9	2.1
20°-30°	1064.4	3.6
30°-40°	1769.9	6.1
40°-50°	3193.1	10.9
50°-60°	7113.1	24.4
60°-70°	10600.9	36.3
70°-80°	4393.1	15.1
80°-90°	217.6	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°	29176.3	100.0
0°-180°	29176.3	100.0

Coefficient of Utilization



REPORT NUMBER: P479738

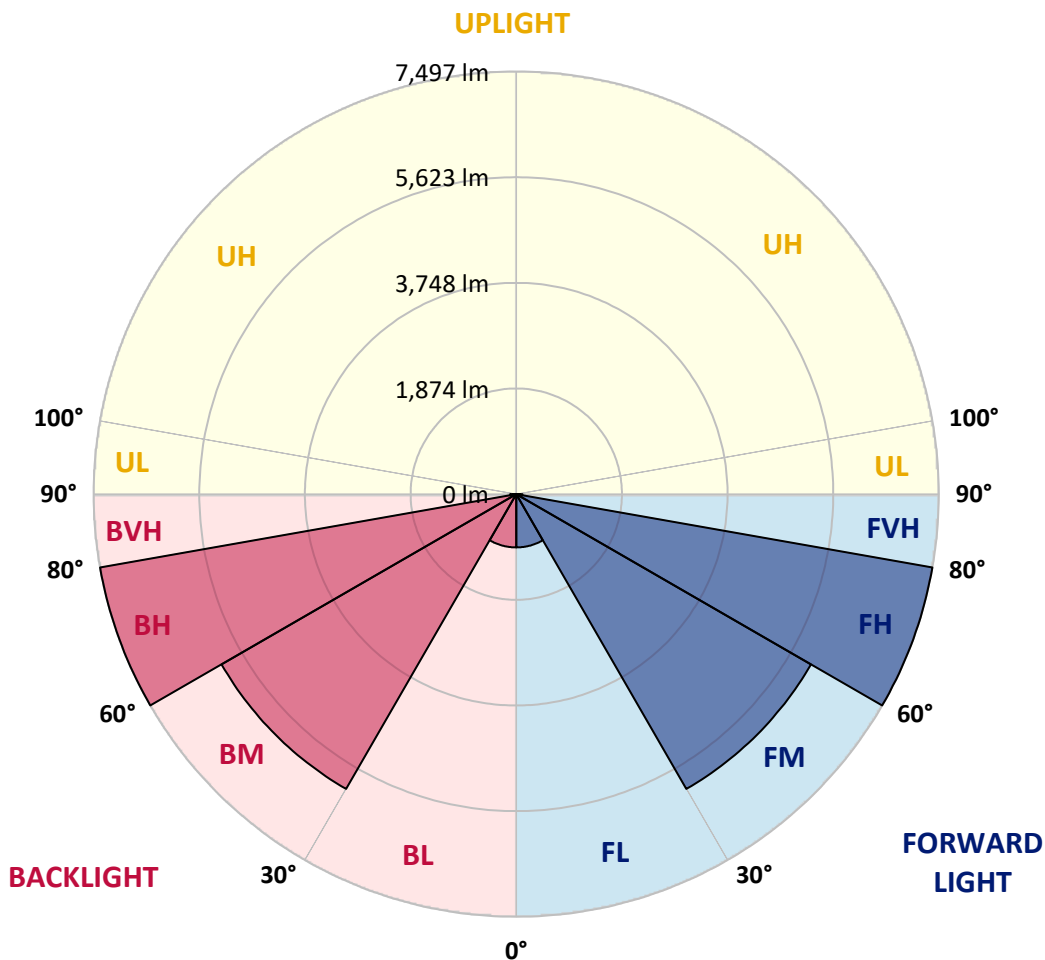
CATALOG NUMBER: IFLD-M-SA4C-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	944.3	3.2			
FM (30°-60°)	6038.0	20.7			
FH (60°-80°)	7497.0	25.7			G3/7500
FVH (80°-90°)	108.8	0.4			G2/225
BL (0°-30°)	944.3	3.2	B2/1000		
BM (30°-60°)	6038.0	20.7	B4/8500		
BH (60°-80°)	7497.0	25.7	B5		G3/7500
BVH (80°-90°)	108.8	0.4			G2/225
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





REPORT NUMBER: P479738
 CATALOG NUMBER: IFLD-M-SA4C-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2230.7	2230.7	2230.7	2230.7	2230.7	2230.7	2230.7	2230.7	2230.7	2230.7	2230.7
2.5°	2204.9	2211.4	2208.1	2208.1	2217.8	2224.3	2227.5	2259.7	2246.8	2256.5	2246.8
5°	2211.4	2211.4	2217.8	2211.4	2217.8	2211.4	2217.8	2208.1	2217.8	2224.3	2233.9
7.5°	2198.5	2192.0	2182.4	2182.4	2179.1	2172.7	2163.0	2188.8	2175.9	2185.6	2201.7
10°	2201.7	2192.0	2159.8	2166.2	2137.2	2137.2	2143.7	2143.7	2172.7	2204.9	2214.6
12.5°	2201.7	2182.4	2172.7	2130.8	2130.8	2134.0	2150.1	2156.6	2175.9	2188.8	2221.0
15°	2201.7	2192.0	2175.9	2121.1	2134.0	2127.6	2143.7	2143.7	2185.6	2208.1	2224.3
17.5°	2214.6	2221.0	2192.0	2140.4	2143.7	2156.6	2146.9	2156.6	2208.1	2224.3	2246.8
20°	2217.8	2192.0	2182.4	2150.1	2179.1	2172.7	2169.5	2188.8	2204.9	2233.9	2259.7
22.5°	2211.4	2221.0	2182.4	2179.1	2204.9	2217.8	2224.3	2201.7	2221.0	2240.4	2262.9
25°	2266.2	2230.7	2221.0	2214.6	2227.5	2240.4	2233.9	2253.3	2253.3	2275.8	2304.9
27.5°	2414.5	2417.7	2398.3	2321.0	2295.2	2266.2	2279.1	2330.6	2391.9	2440.2	2449.9
30°	2482.1	2495.0	2546.6	2533.7	2524.1	2533.7	2530.5	2543.4	2549.8	2553.1	2543.4
32.5°	2543.4	2536.9	2514.4	2572.4	2762.6	2907.7	2769.0	2578.9	2536.9	2524.1	2536.9
35°	2765.8	2765.8	2717.5	2643.3	2743.3	2778.7	2714.2	2624.0	2675.6	2781.9	2788.4
37.5°	3052.7	3010.8	3030.2	3020.5	2910.9	2833.5	2946.3	3004.4	3014.0	3010.8	3043.0
40°	3223.6	3194.6	3165.5	3217.1	3317.1	3388.0	3288.0	3149.4	3184.9	3255.8	3226.8
42.5°	3613.6	3539.5	3545.9	3494.3	3491.1	3468.6	3446.0	3455.7	3507.2	3587.8	3600.7
45°	4013.3	4048.8	4026.2	3929.5	3974.7	3974.7	3910.2	3958.5	3984.3	4077.8	4090.7
47.5°	4638.7	4622.6	4632.3	4545.2	4542.0	4564.6	4542.0	4545.2	4625.8	4619.4	4583.9
50°	5370.5	5415.6	5428.5	5386.6	5335.0	5325.3	5289.9	5335.0	5383.4	5386.6	5357.6
52.5°	6382.7	6431.0	6431.0	6443.9	6508.4	6476.1	6469.7	6472.9	6379.4	6315.0	6347.2
55°	7659.2	7675.3	7730.1	7842.9	8039.6	8065.4	7942.9	7888.1	7717.2	7614.1	7694.7
57.5°	8919.6	8984.1	9135.6	9428.9	9670.7	9935.0	9580.4	9219.4	8884.2	8719.8	8748.8
60°	9967.3	10060.8	10350.9	10760.3	11430.8	11672.5	11073.0	10454.0	9773.9	9271.0	9474.1
62.5°	10460.5	10605.5	10850.5	11679.0	12684.7	13032.9	12152.9	11027.8	9996.3	9512.7	9503.1
64°	10463.7	10486.3	10976.2	11869.2	12903.9	13577.7	12414.0	11027.8	10051.1	9454.7	9564.3
65°	10247.7	10341.2	10815.1	11695.1	12765.3	13622.8	12323.7	10876.3	9825.4	9361.2	9412.8
67.5°	9267.8	9264.5	9702.9	10576.5	12062.6	13110.3	11556.5	10028.5	9267.8	8764.9	8826.1
70°	7030.6	7143.4	7562.5	8635.9	10437.9	11559.7	10105.9	8523.1	7575.4	7172.4	7149.9
72.5°	4206.8	4355.0	4890.2	6198.9	8107.3	9470.8	8020.2	6305.3	5164.2	4525.9	4542.0
75°	1918.0	2027.6	2395.1	3462.1	5402.7	6924.2	5434.9	3645.9	2614.3	2208.1	2150.1
77.5°	538.3	606.0	809.1	1589.2	2965.7	4152.0	3049.5	1756.8	1141.1	947.7	928.4
80°	241.8	254.7	286.9	386.8	941.3	1831.0	1260.4	644.7	428.7	354.6	338.5
82.5°	132.2	141.8	187.0	199.9	267.6	486.8	415.8	303.0	257.9	206.3	199.9
85°	74.1	77.4	106.4	106.4	128.9	141.8	151.5	161.2	158.0	116.0	112.8
87.5°	22.6	25.8	32.2	32.2	32.2	32.2	51.6	70.9	77.4	54.8	54.8
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)