

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: P479595

Luminaire Tested: **IFLD-S-SA2B-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479595
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

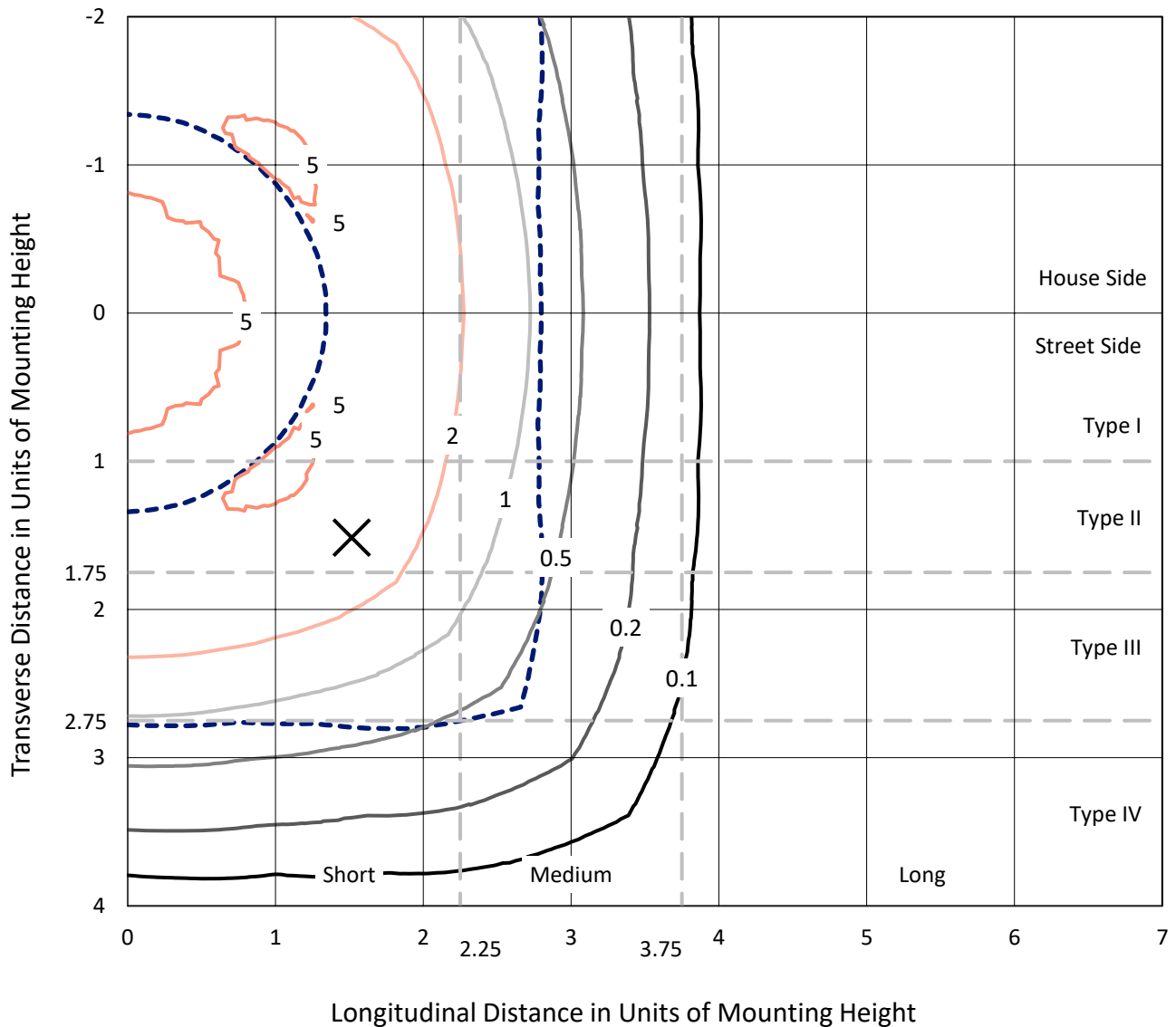
Lumens per Lamp: N/A
Luminaire Lumens: 9798.8 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 82.4
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

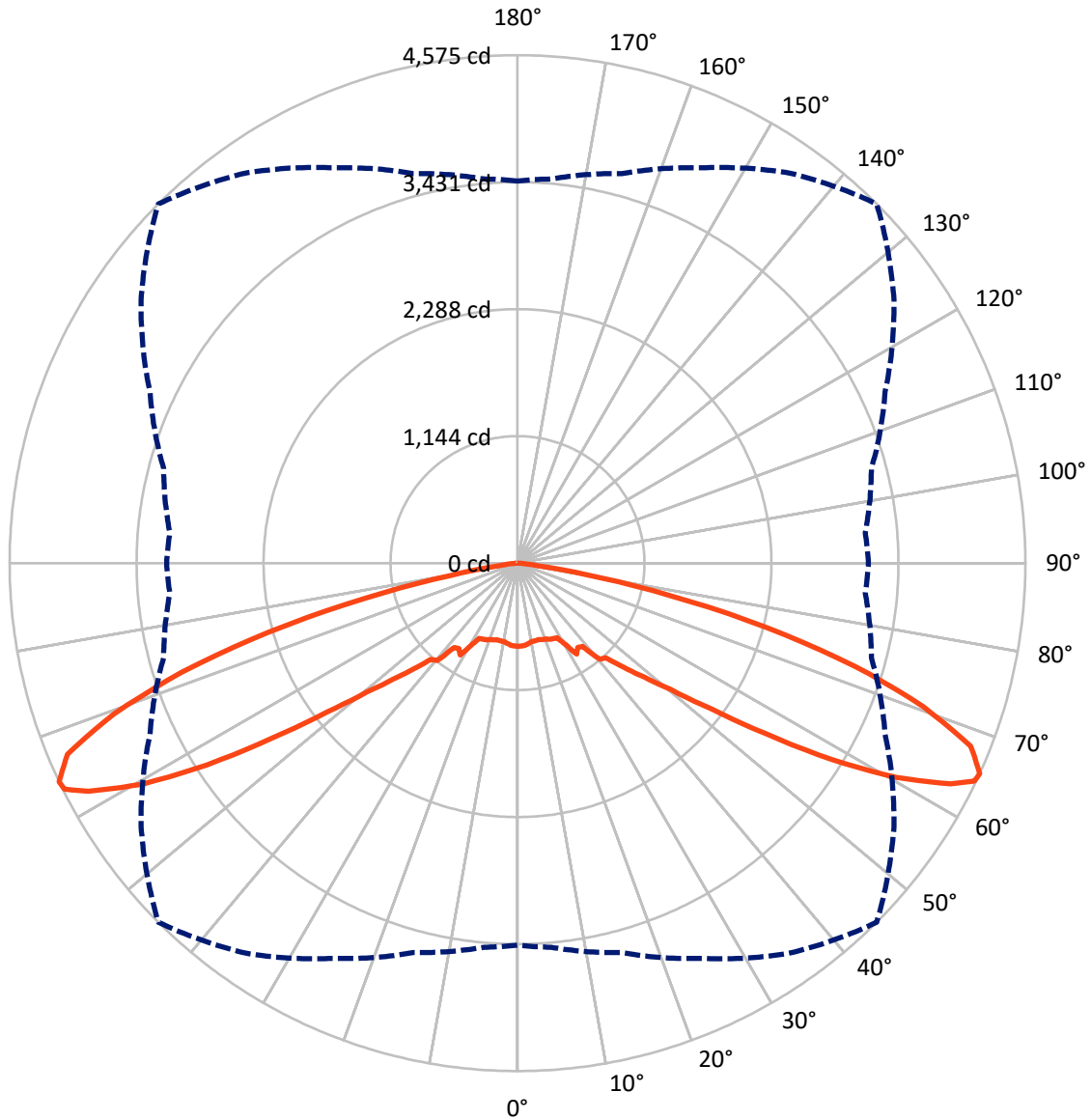
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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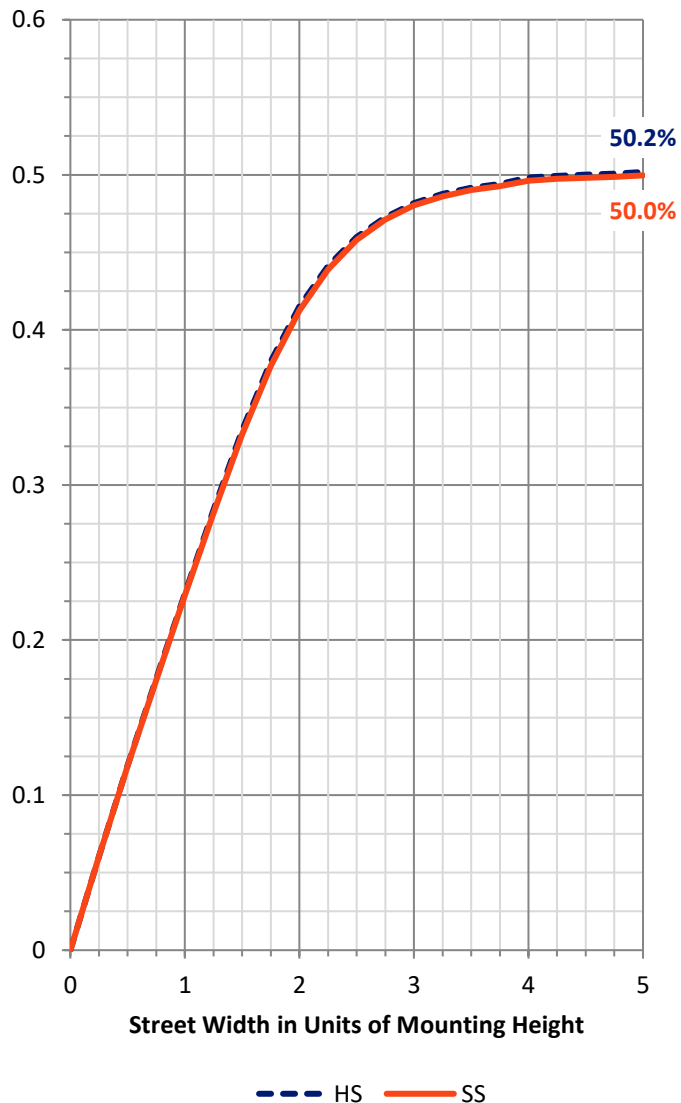
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4899.4	0.0	4899.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4899.4	0.0	4899.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9798.8	0.0	9798.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	0.7
10°-20°	206.5	2.1
20°-30°	357.5	3.6
30°-40°	594.4	6.1
40°-50°	1072.4	10.9
50°-60°	2388.9	24.4
60°-70°	3560.3	36.3
70°-80°	1475.4	15.1
80°-90°	73.1	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°	9798.8	100.0
0°-180°	9798.8	100.0

Coefficient of Utilization



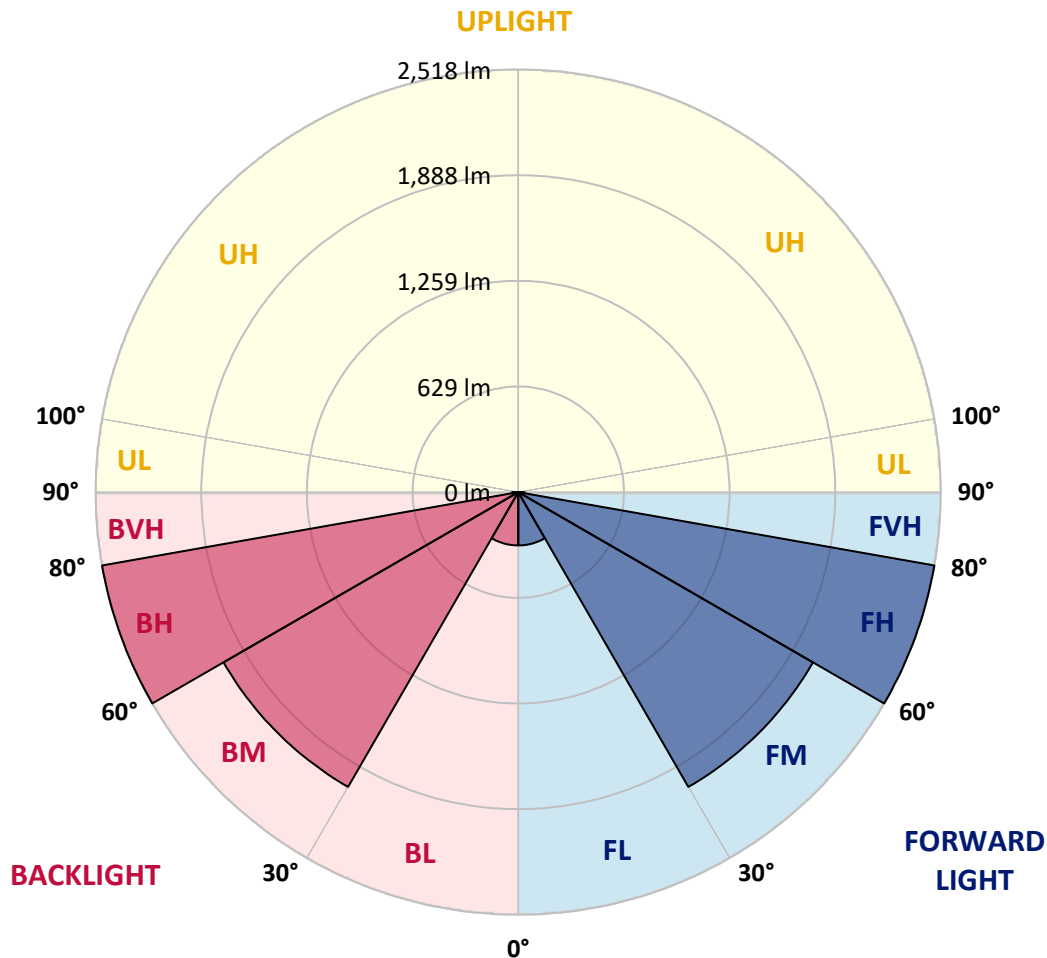
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.1	3.2			
FM (30°-60°)	2027.9	20.7			
FH (60°-80°)	2517.8	25.7			G2/5000
FVH (80°-90°)	36.5	0.4			G1/100
BL (0°-30°)	317.1	3.2	B1/500		
BM (30°-60°)	2027.9	20.7	B2/2500		
BH (60°-80°)	2517.8	25.7	B4/5000		G2/5000
BVH (80°-90°)	36.5	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°	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2	749.2
2.5°	740.5	742.7	741.6	741.6	744.8	747.0	748.1	758.9	754.6	757.8	754.6
5°	742.7	742.7	744.8	742.7	744.8	742.7	744.8	741.6	744.8	747.0	750.3
7.5°	738.3	736.2	732.9	732.9	731.9	729.7	726.4	735.1	730.8	734.0	739.4
10°	739.4	736.2	725.4	727.5	717.8	717.8	719.9	719.9	729.7	740.5	743.8
12.5°	739.4	732.9	729.7	715.6	715.6	716.7	722.1	724.3	730.8	735.1	745.9
15°	739.4	736.2	730.8	712.4	716.7	714.5	719.9	719.9	734.0	741.6	747.0
17.5°	743.8	745.9	736.2	718.9	719.9	724.3	721.0	724.3	741.6	747.0	754.6
20°	744.8	736.2	732.9	722.1	731.9	729.7	728.6	735.1	740.5	750.3	758.9
22.5°	742.7	745.9	732.9	731.9	740.5	744.8	747.0	739.4	745.9	752.4	760.0
25°	761.1	749.2	745.9	743.8	748.1	752.4	750.3	756.8	756.8	764.3	774.1
27.5°	810.9	812.0	805.5	779.5	770.8	761.1	765.4	782.7	803.3	819.5	822.8
30°	833.6	838.0	855.3	850.9	847.7	850.9	849.9	854.2	856.4	857.4	854.2
32.5°	854.2	852.0	844.4	863.9	927.8	976.5	930.0	866.1	852.0	847.7	852.0
35°	928.9	928.9	912.7	887.8	921.3	933.2	911.6	881.3	898.6	934.3	936.5
37.5°	1025.2	1011.2	1017.7	1014.4	977.6	951.6	989.5	1009.0	1012.3	1011.2	1022.0
40°	1082.6	1072.9	1063.1	1080.5	1114.0	1137.8	1104.3	1057.7	1069.6	1093.5	1083.7
42.5°	1213.6	1188.7	1190.9	1173.6	1172.5	1164.9	1157.3	1160.6	1177.9	1205.0	1209.3
45°	1347.9	1359.8	1352.2	1319.7	1334.9	1334.9	1313.2	1329.5	1338.1	1369.5	1373.8
47.5°	1557.9	1552.5	1555.7	1526.5	1525.4	1533.0	1525.4	1526.5	1553.6	1551.4	1539.5
50°	1803.7	1818.8	1823.1	1809.1	1791.7	1788.5	1776.6	1791.7	1808.0	1809.1	1799.3
52.5°	2143.6	2159.8	2159.8	2164.2	2185.8	2175.0	2172.8	2173.9	2142.5	2120.9	2131.7
55°	2572.3	2577.7	2596.1	2634.0	2700.1	2708.7	2667.6	2649.2	2591.8	2557.2	2584.2
57.5°	2995.6	3017.3	3068.2	3166.7	3247.9	3336.6	3217.6	3096.3	2983.7	2928.5	2938.2
60°	3347.5	3378.9	3476.3	3613.8	3839.0	3920.2	3718.8	3510.9	3282.5	3113.6	3181.8
62.5°	3513.1	3561.8	3644.1	3922.3	4260.1	4377.0	4081.5	3703.7	3357.2	3194.8	3191.6
64°	3514.2	3521.8	3686.3	3986.2	4333.7	4560.0	4169.2	3703.7	3375.6	3175.3	3212.1
65°	3441.7	3473.1	3632.2	3927.8	4287.2	4575.2	4138.9	3652.8	3299.8	3143.9	3161.3
67.5°	3112.5	3111.5	3258.7	3552.1	4051.2	4403.0	3881.2	3368.0	3112.5	2943.7	2964.2
70°	2361.2	2399.1	2539.8	2900.3	3505.5	3882.3	3394.0	2862.5	2544.2	2408.8	2401.3
72.5°	1412.8	1462.6	1642.3	2081.9	2722.8	3180.7	2693.6	2117.6	1734.4	1520.0	1525.4
75°	644.2	681.0	804.4	1162.7	1814.5	2325.5	1825.3	1224.4	878.0	741.6	722.1
77.5°	180.8	203.5	271.7	533.7	996.0	1394.4	1024.2	590.0	383.2	318.3	311.8
80°	81.2	85.5	96.4	129.9	316.1	614.9	423.3	216.5	144.0	119.1	113.7
82.5°	44.4	47.6	62.8	67.1	89.9	163.5	139.7	101.8	86.6	69.3	67.1
85°	24.9	26.0	35.7	35.7	43.3	47.6	50.9	54.1	53.0	39.0	37.9
87.5°	7.6	8.7	10.8	10.8	10.8	10.8	17.3	23.8	26.0	18.4	18.4
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)