

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: P479556

Luminaire Tested: **IFLD-S-SA2B-722-U-5WQ**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P479556
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

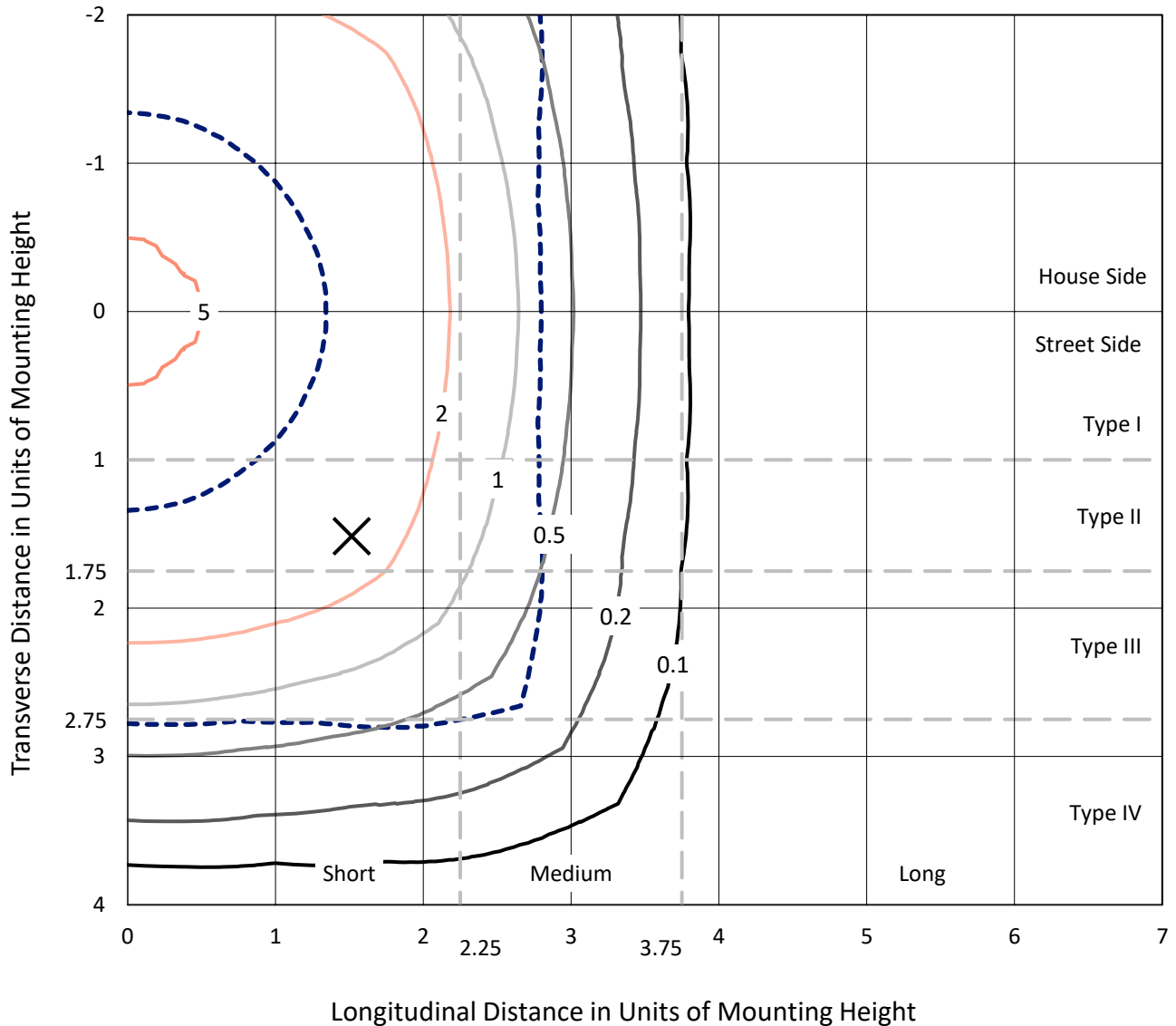
Lumens per Lamp: N/A
Luminaire Lumens: 8630.6 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

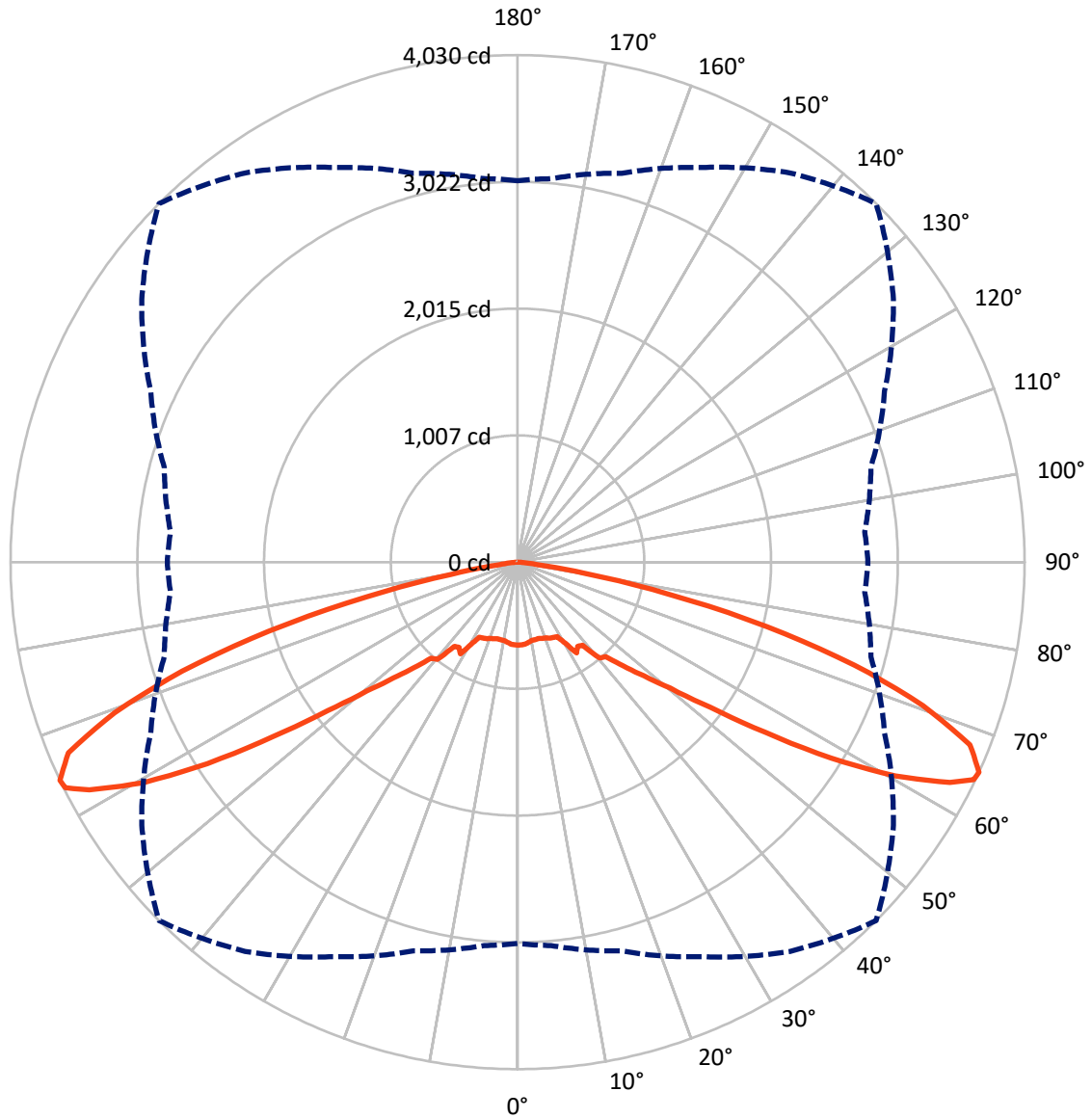
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P479556
CATALOG NUMBER: IFLD-S-SA2B-722-U-5WQ

Luminous Intensity Polar Plot



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

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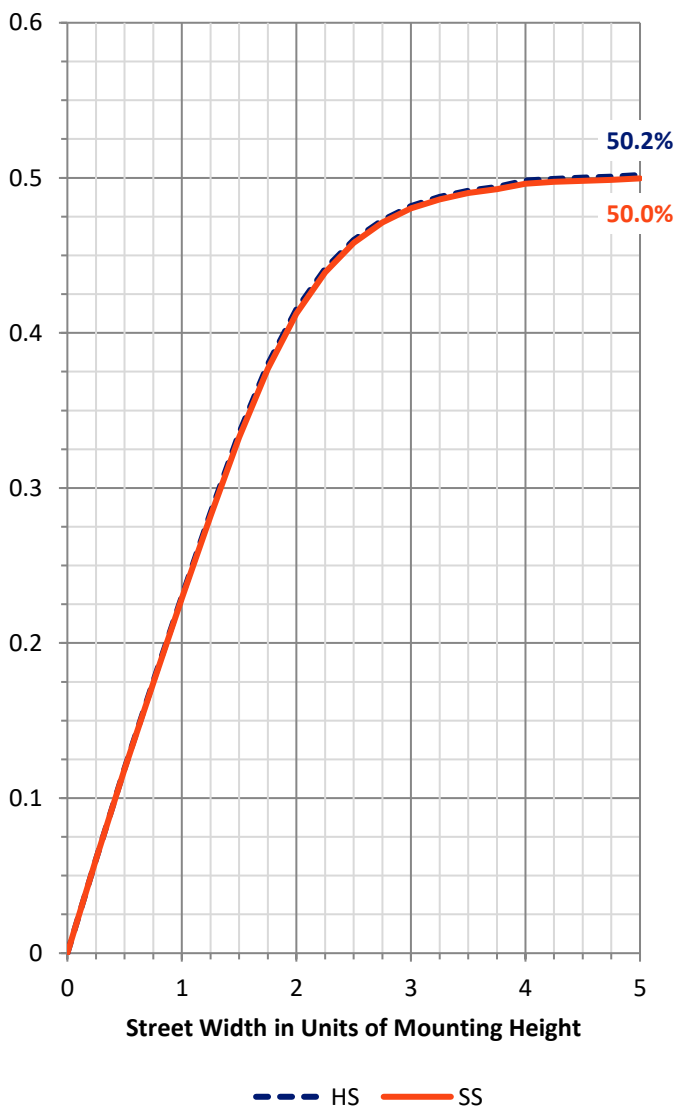
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4315.3	0.0	4315.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4315.3	0.0	4315.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8630.6	0.0	8630.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	0.7
10°-20°	181.9	2.1
20°-30°	314.9	3.6
30°-40°	523.5	6.1
40°-50°	944.5	10.9
50°-60°	2104.1	24.4
60°-70°	3135.8	36.3
70°-80°	1299.5	15.1
80°-90°	64.4	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°	8630.6	100.0
0°-180°	8630.6	100.0

Coefficient of Utilization



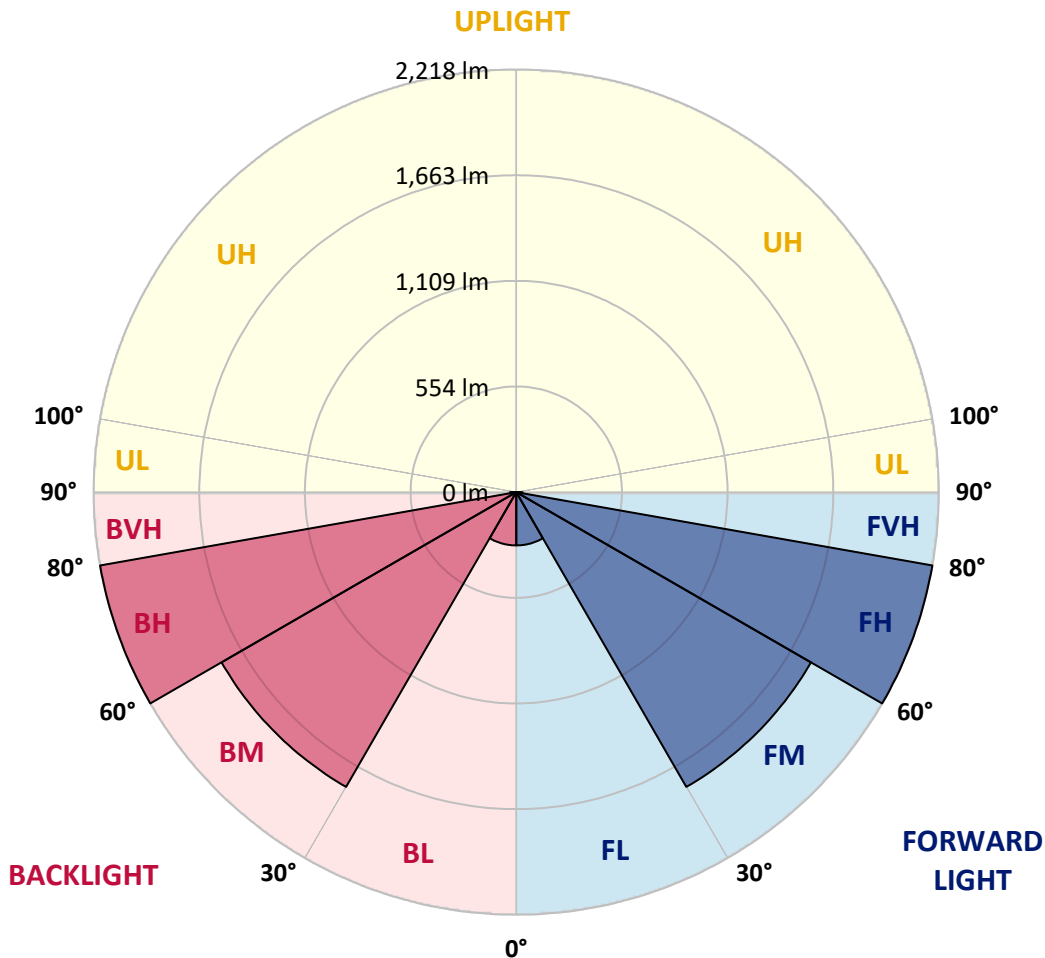
REPORT NUMBER: P479556
 CATALOG NUMBER: IFLD-S-SA2B-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.3	3.2			
FM (30°-60°)	1786.1	20.7			
FH (60°-80°)	2217.7	25.7			G2/5000
FVH (80°-90°)	32.2	0.4			G1/100
BL (0°-30°)	279.3	3.2	B1/500		
BM (30°-60°)	1786.1	20.7	B2/2500		
BH (60°-80°)	2217.7	25.7	B3/2500		G2/5000
BVH (80°-90°)	32.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9
2.5°	652.2	654.1	653.2	653.2	656.0	658.0	658.9	668.4	664.6	667.5	664.6
5°	654.1	654.1	656.0	654.1	656.0	654.1	656.0	653.2	656.0	658.0	660.8
7.5°	650.3	648.4	645.6	645.6	644.6	642.7	639.8	647.5	643.7	646.5	651.3
10°	651.3	648.4	638.9	640.8	632.2	632.2	634.1	634.1	642.7	652.2	655.1
12.5°	651.3	645.6	642.7	630.3	630.3	631.3	636.0	637.9	643.7	647.5	657.0
15°	651.3	648.4	643.7	627.4	631.3	629.3	634.1	634.1	646.5	653.2	658.0
17.5°	655.1	657.0	648.4	633.2	634.1	637.9	635.1	637.9	653.2	658.0	664.6
20°	656.0	648.4	645.6	636.0	644.6	642.7	641.7	647.5	652.2	660.8	668.4
22.5°	654.1	657.0	645.6	644.6	652.2	656.0	658.0	651.3	657.0	662.7	669.4
25°	670.4	659.9	657.0	655.1	658.9	662.7	660.8	666.5	666.5	673.2	681.8
27.5°	714.2	715.2	709.4	686.6	678.9	670.4	674.2	689.4	707.5	721.8	724.7
30°	734.2	738.1	753.3	749.5	746.6	749.5	748.5	752.4	754.3	755.2	752.4
32.5°	752.4	750.5	743.8	760.9	817.2	860.1	819.1	762.8	750.5	746.6	750.5
35°	818.2	818.2	803.8	781.9	811.5	822.0	802.9	776.2	791.5	822.9	824.8
37.5°	903.0	890.6	896.3	893.5	861.1	838.2	871.6	888.7	891.6	890.6	900.2
40°	953.6	945.0	936.4	951.7	981.2	1002.2	972.6	931.6	942.1	963.1	954.5
42.5°	1068.9	1047.0	1048.9	1033.7	1032.7	1026.0	1019.4	1022.2	1037.5	1061.3	1065.1
45°	1187.2	1197.7	1191.0	1162.4	1175.7	1175.7	1156.7	1171.0	1178.6	1206.3	1210.1
47.5°	1372.2	1367.4	1370.3	1344.5	1343.6	1350.2	1343.6	1344.5	1368.4	1366.4	1356.0
50°	1588.6	1602.0	1605.8	1593.4	1578.1	1575.3	1564.8	1578.1	1592.4	1593.4	1584.8
52.5°	1888.0	1902.3	1902.3	1906.2	1925.2	1915.7	1913.8	1914.7	1887.1	1868.0	1877.6
55°	2265.7	2270.4	2286.6	2320.0	2378.2	2385.8	2349.6	2333.4	2282.8	2252.3	2276.1
57.5°	2638.5	2657.6	2702.4	2789.2	2860.7	2938.9	2834.0	2727.2	2628.0	2579.4	2588.0
60°	2948.4	2976.1	3061.9	3183.0	3381.3	3452.8	3275.5	3092.4	2891.2	2742.4	2802.5
62.5°	3094.3	3137.2	3209.7	3454.7	3752.3	3855.2	3594.9	3262.1	2957.0	2814.0	2811.1
64°	3095.3	3101.9	3246.9	3511.0	3817.1	4016.4	3672.2	3262.1	2973.2	2796.8	2829.2
65°	3031.4	3059.0	3199.2	3459.5	3776.1	4029.7	3645.5	3217.3	2906.4	2769.1	2784.4
67.5°	2741.5	2740.5	2870.2	3128.6	3568.2	3878.1	3418.5	2966.5	2741.5	2592.7	2610.8
70°	2079.7	2113.1	2237.0	2554.6	3087.6	3419.5	2989.4	2521.2	2240.9	2121.7	2115.0
72.5°	1244.4	1288.3	1446.5	1833.7	2398.2	2801.6	2372.5	1865.2	1527.6	1338.8	1343.6
75°	567.4	599.8	708.5	1024.1	1598.2	2048.2	1607.7	1078.5	773.3	653.2	636.0
77.5°	159.2	179.3	239.3	470.1	877.3	1228.2	902.1	519.7	337.6	280.3	274.6
80°	71.5	75.3	84.9	114.4	278.4	541.6	372.8	190.7	126.8	104.9	100.1
82.5°	39.1	42.0	55.3	59.1	79.1	144.0	123.0	89.6	76.3	61.0	59.1
85°	21.9	22.9	31.5	31.5	38.1	42.0	44.8	47.7	46.7	34.3	33.4
87.5°	6.7	7.6	9.5	9.5	9.5	9.5	15.3	21.0	22.9	16.2	16.2
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)