

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: P479672

Luminaire Tested: **IFLD-S-SA2A-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479672
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-735-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

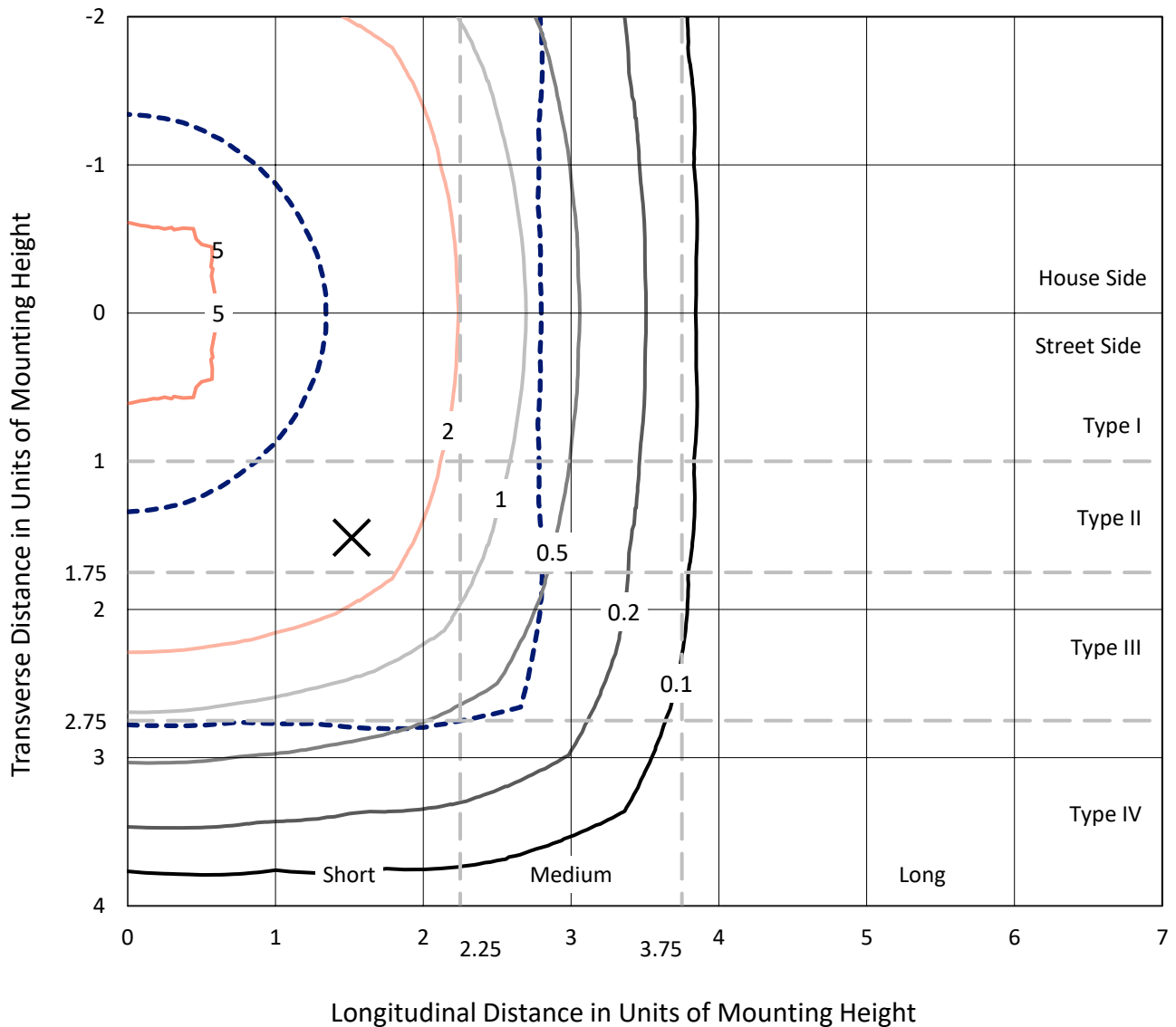
Lumens per Lamp: N/A
Luminaire Lumens: 9344.2 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 63.8
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

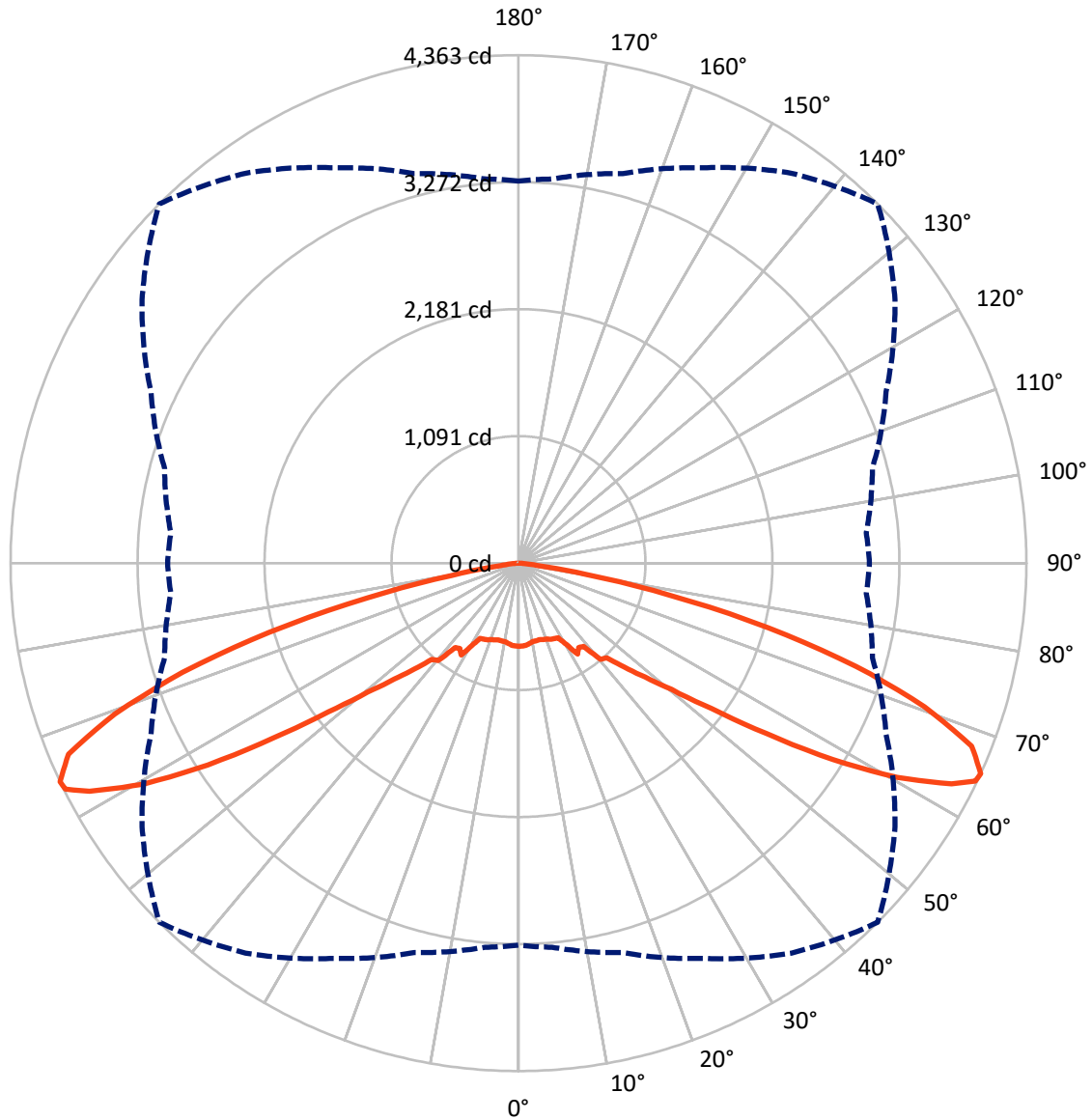
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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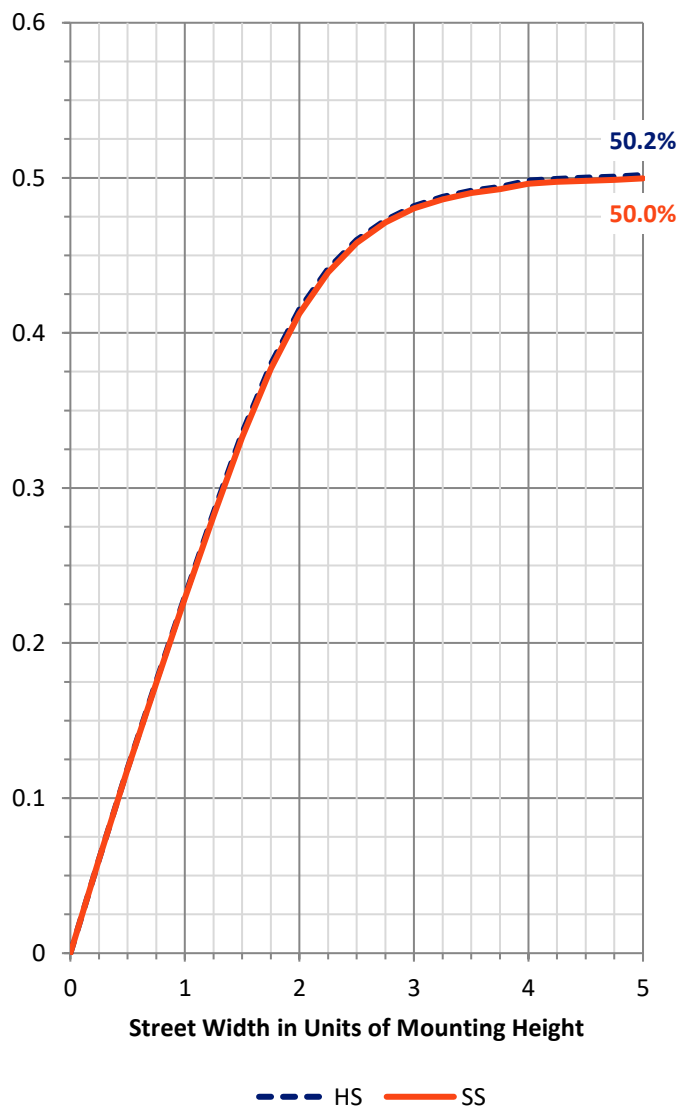
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4672.1	0.0	4672.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4672.1	0.0	4672.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9344.2	0.0	9344.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	0.7
10°-20°	196.9	2.1
20°-30°	340.9	3.6
30°-40°	566.8	6.1
40°-50°	1022.6	10.9
50°-60°	2278.1	24.4
60°-70°	3395.1	36.3
70°-80°	1407.0	15.1
80°-90°	69.7	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°	9344.2	100.0
0°-180°	9344.2	100.0

Coefficient of Utilization



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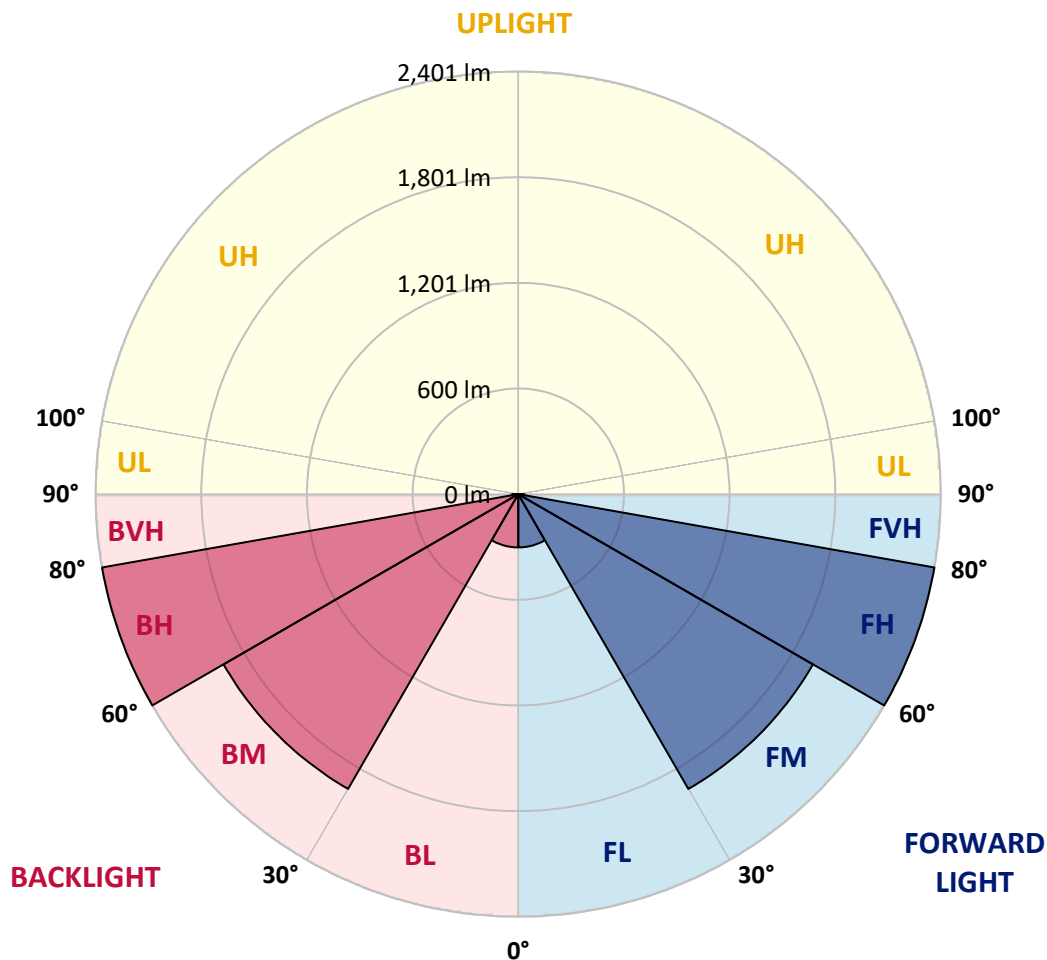
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.4	3.2			
FM (30°-60°)	1933.8	20.7			
FH (60°-80°)	2401.0	25.7			G2/5000
FVH (80°-90°)	34.8	0.4			G1/100
BL (0°-30°)	302.4	3.2	B1/500		
BM (30°-60°)	1933.8	20.7	B2/2500		
BH (60°-80°)	2401.0	25.7	B3/2500		G2/5000
BVH (80°-90°)	34.8	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°	714.4	714.4	714.4	714.4	714.4	714.4	714.4	714.4	714.4	714.4	714.4
2.5°	706.2	708.2	707.2	707.2	710.3	712.4	713.4	723.7	719.6	722.7	719.6
5°	708.2	708.2	710.3	708.2	710.3	708.2	710.3	707.2	710.3	712.4	715.5
7.5°	704.1	702.0	698.9	698.9	697.9	695.8	692.7	701.0	696.9	700.0	705.1
10°	705.1	702.0	691.7	693.8	684.5	684.5	686.5	686.5	695.8	706.2	709.3
12.5°	705.1	698.9	695.8	682.4	682.4	683.5	688.6	690.7	696.9	701.0	711.3
15°	705.1	702.0	696.9	679.3	683.5	681.4	686.5	686.5	700.0	707.2	712.4
17.5°	709.3	711.3	702.0	685.5	686.5	690.7	687.6	690.7	707.2	712.4	719.6
20°	710.3	702.0	698.9	688.6	697.9	695.8	694.8	701.0	706.2	715.5	723.7
22.5°	708.2	711.3	698.9	697.9	706.2	710.3	712.4	705.1	711.3	717.5	724.7
25°	725.8	714.4	711.3	709.3	713.4	717.5	715.5	721.7	721.7	728.9	738.2
27.5°	773.3	774.3	768.1	743.3	735.1	725.8	729.9	746.4	766.0	781.5	784.6
30°	795.0	799.1	815.6	811.5	808.4	811.5	810.4	814.6	816.6	817.7	814.6
32.5°	814.6	812.5	805.3	823.9	884.8	931.2	886.8	825.9	812.5	808.4	812.5
35°	885.8	885.8	870.3	846.6	878.6	889.9	869.3	840.4	856.9	891.0	893.0
37.5°	977.7	964.3	970.5	967.4	932.3	907.5	943.6	962.2	965.3	964.3	974.6
40°	1032.4	1023.1	1013.8	1030.3	1062.3	1085.1	1053.1	1008.7	1020.0	1042.7	1033.4
42.5°	1157.3	1133.6	1135.6	1119.1	1118.1	1110.9	1103.6	1106.7	1123.3	1149.1	1153.2
45°	1285.3	1296.7	1289.5	1258.5	1273.0	1273.0	1252.3	1267.8	1276.1	1306.0	1310.1
47.5°	1485.6	1480.5	1483.6	1455.7	1454.7	1461.9	1454.7	1455.7	1481.5	1479.4	1468.1
50°	1720.0	1734.4	1738.6	1725.1	1708.6	1705.5	1694.2	1708.6	1724.1	1725.1	1715.9
52.5°	2044.2	2059.6	2059.6	2063.8	2084.4	2074.1	2072.0	2073.1	2043.1	2022.5	2032.8
55°	2453.0	2458.2	2475.7	2511.8	2574.8	2583.1	2543.8	2526.3	2471.6	2438.5	2464.3
57.5°	2856.7	2877.3	2925.8	3019.8	3097.2	3181.9	3068.3	2952.7	2845.3	2792.7	2801.9
60°	3192.2	3222.1	3315.0	3446.2	3660.9	3738.3	3546.3	3348.1	3130.2	2969.2	3034.2
62.5°	3350.1	3396.6	3475.1	3740.4	4062.5	4174.0	3892.2	3531.9	3201.5	3046.6	3043.5
64°	3351.2	3358.4	3515.3	3801.3	4132.7	4348.5	3975.8	3531.9	3219.0	3028.0	3063.1
65°	3282.0	3312.0	3463.7	3745.6	4088.3	4362.9	3946.9	3483.3	3146.8	2998.1	3014.6
67.5°	2968.2	2967.1	3107.5	3387.3	3863.3	4198.8	3701.2	3211.8	2968.2	2807.1	2826.7
70°	2251.7	2287.8	2422.0	2765.8	3342.9	3702.2	3236.6	2729.7	2426.1	2297.1	2289.9
72.5°	1347.3	1394.8	1566.2	1985.3	2596.5	3033.2	2568.6	2019.4	1653.9	1449.5	1454.7
75°	614.3	649.4	767.1	1108.8	1730.3	2217.6	1740.6	1167.6	837.3	707.2	688.6
77.5°	172.4	194.1	259.1	509.0	949.8	1329.7	976.7	562.7	365.5	303.5	297.3
80°	77.4	81.6	91.9	123.9	301.5	586.4	403.7	206.5	137.3	113.6	108.4
82.5°	42.3	45.4	59.9	64.0	85.7	155.9	133.2	97.0	82.6	66.1	64.0
85°	23.7	24.8	34.1	34.1	41.3	45.4	48.5	51.6	50.6	37.2	36.1
87.5°	7.2	8.3	10.3	10.3	10.3	10.3	16.5	22.7	24.8	17.6	17.6
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)