

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: P479673

Luminaire Tested: **IFLD-S-SA2B-735-U-5WQ**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P479673
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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

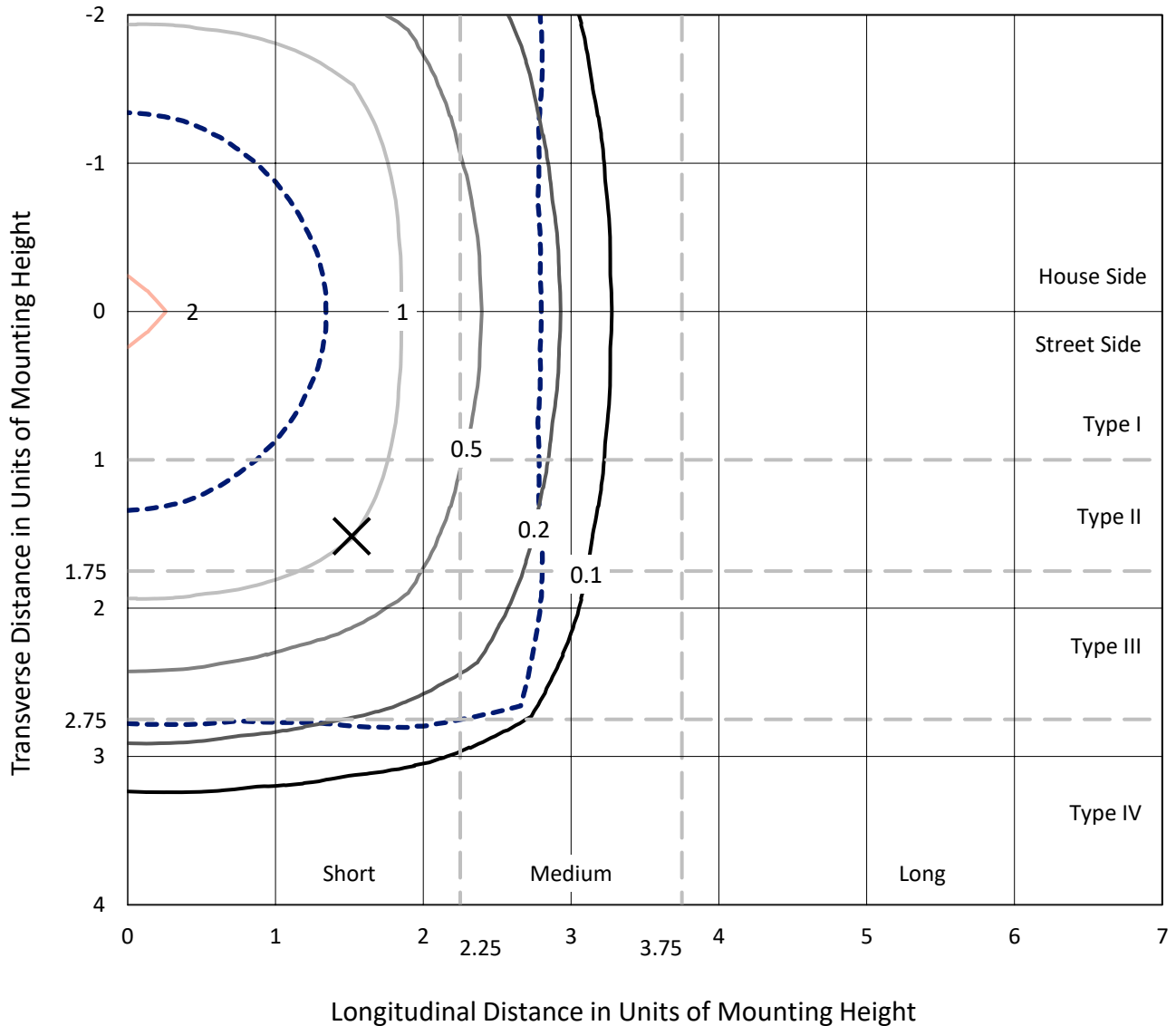
Lumens per Lamp: N/A
Luminaire Lumens: 11556.3 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

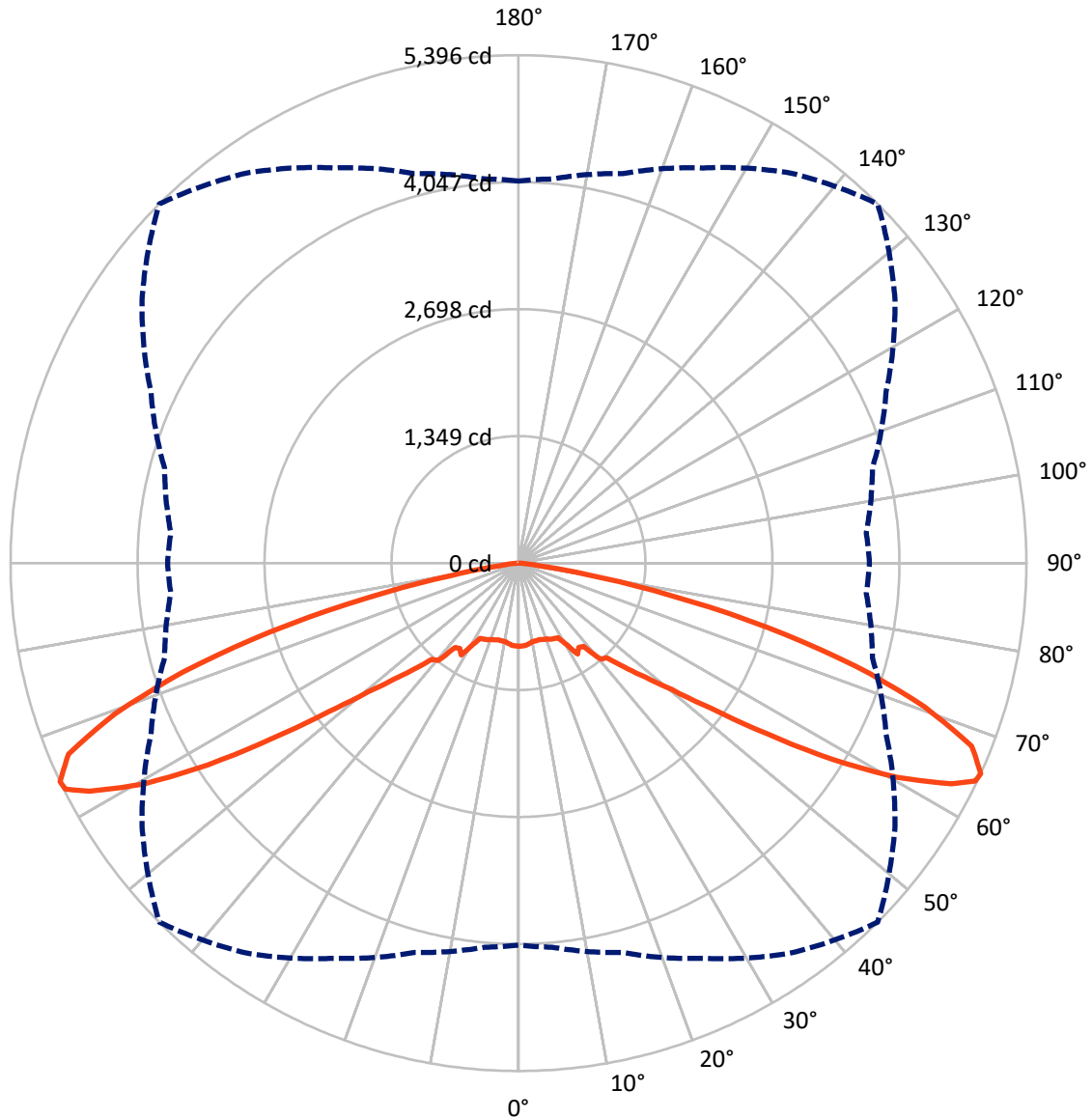
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 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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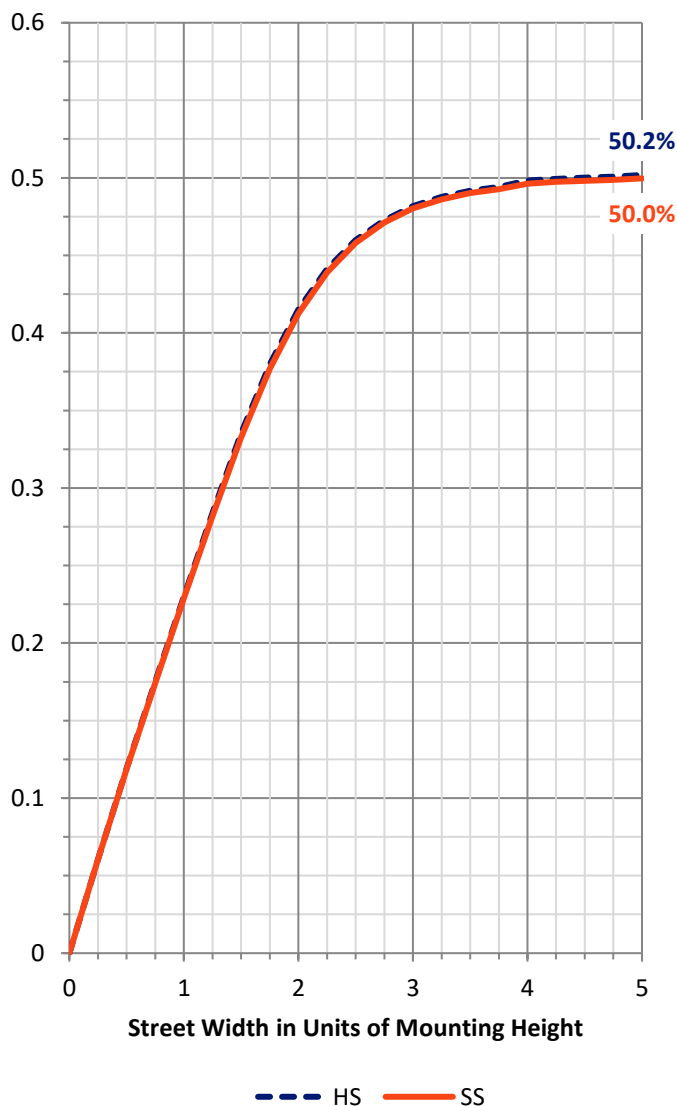
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5778.1	0.0	5778.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5778.1	0.0	5778.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11556.3	0.0	11556.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	0.7
10°-20°	243.6	2.1
20°-30°	421.6	3.6
30°-40°	701.0	6.1
40°-50°	1264.7	10.9
50°-60°	2817.4	24.4
60°-70°	4198.8	36.3
70°-80°	1740.1	15.1
80°-90°	86.2	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°	11556.3	100.0
0°-180°	11556.3	100.0

Coefficient of Utilization



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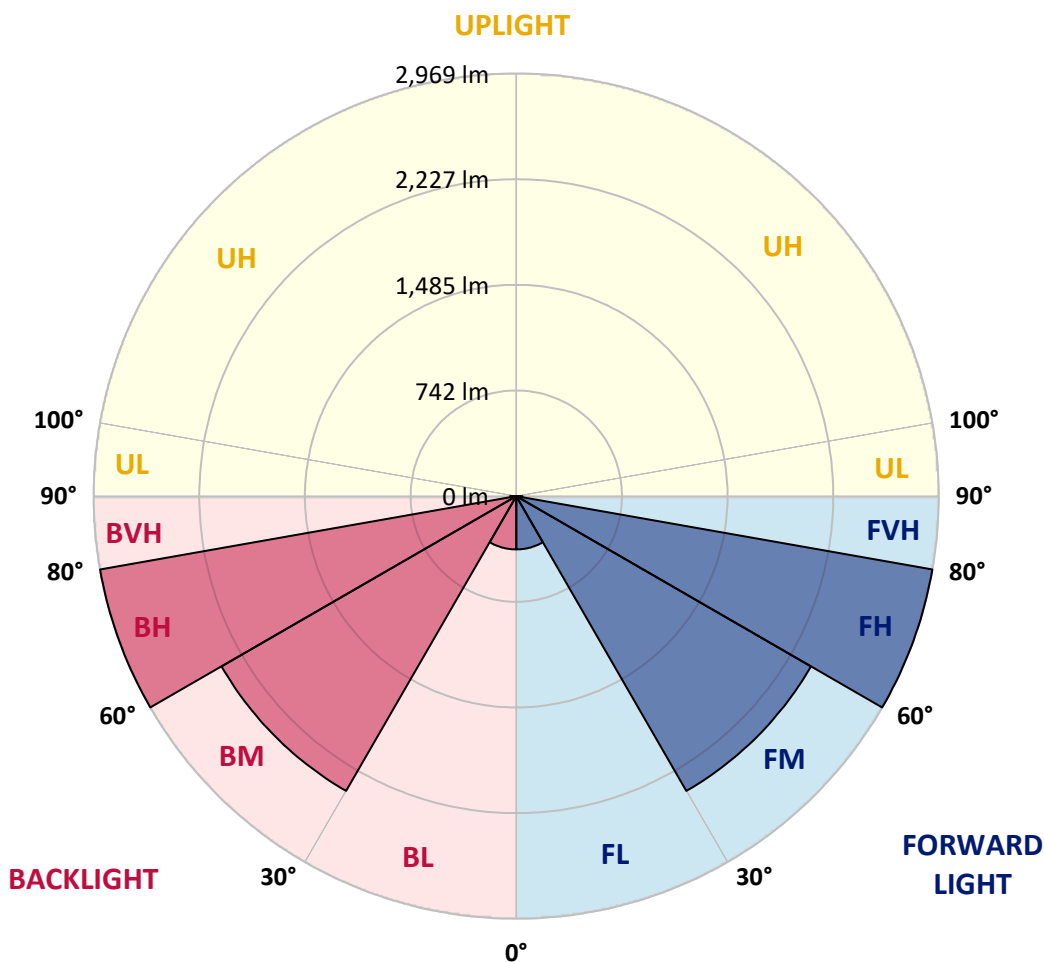
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.0	3.2			
FM (30°-60°)	2391.6	20.7			
FH (60°-80°)	2969.4	25.7			G2/5000
FVH (80°-90°)	43.1	0.4			G1/100
BL (0°-30°)	374.0	3.2	B1/500		
BM (30°-60°)	2391.6	20.7	B2/2500		
BH (60°-80°)	2969.4	25.7	B4/5000		G2/5000
BVH (80°-90°)	43.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	873.3	875.9	874.6	874.6	878.4	881.0	882.3	895.0	889.9	893.8	889.9
5°	875.9	875.9	878.4	875.9	878.4	875.9	878.4	874.6	878.4	881.0	884.8
7.5°	870.8	868.2	864.4	864.4	863.1	860.6	856.7	867.0	861.8	865.7	872.1
10°	872.1	868.2	855.5	858.0	846.5	846.5	849.1	849.1	860.6	873.3	877.2
12.5°	872.1	864.4	860.6	844.0	844.0	845.2	851.6	854.2	861.8	867.0	879.7
15°	872.1	868.2	861.8	840.1	845.2	842.7	849.1	849.1	865.7	874.6	881.0
17.5°	877.2	879.7	868.2	847.8	849.1	854.2	850.4	854.2	874.6	881.0	889.9
20°	878.4	868.2	864.4	851.6	863.1	860.6	859.3	867.0	873.3	884.8	895.0
22.5°	875.9	879.7	864.4	863.1	873.3	878.4	881.0	872.1	879.7	887.4	896.3
25°	897.6	883.5	879.7	877.2	882.3	887.4	884.8	892.5	892.5	901.4	912.9
27.5°	956.3	957.6	949.9	919.3	909.1	897.6	902.7	923.1	947.4	966.5	970.4
30°	983.1	988.2	1008.7	1003.6	999.7	1003.6	1002.3	1007.4	1010.0	1011.2	1007.4
32.5°	1007.4	1004.8	995.9	1018.9	1094.2	1151.7	1096.8	1021.4	1004.8	999.7	1004.8
35°	1095.5	1095.5	1076.3	1047.0	1086.6	1100.6	1075.1	1039.3	1059.7	1101.9	1104.4
37.5°	1209.1	1192.5	1200.2	1196.4	1153.0	1122.3	1167.0	1190.0	1193.8	1192.5	1205.3
40°	1276.8	1265.3	1253.8	1274.3	1313.8	1341.9	1302.3	1247.4	1261.5	1289.6	1278.1
42.5°	1431.3	1401.9	1404.5	1384.1	1382.8	1373.8	1364.9	1368.7	1389.2	1421.1	1426.2
45°	1589.6	1603.7	1594.7	1556.4	1574.3	1574.3	1548.8	1567.9	1578.1	1615.2	1620.3
47.5°	1837.3	1830.9	1834.8	1800.3	1799.0	1808.0	1799.0	1800.3	1832.2	1829.7	1815.6
50°	2127.2	2145.0	2150.1	2133.5	2113.1	2109.3	2095.2	2113.1	2132.3	2133.5	2122.1
52.5°	2528.1	2547.2	2547.2	2552.3	2577.9	2565.1	2562.5	2563.8	2526.8	2501.3	2514.0
55°	3033.7	3040.1	3061.8	3106.5	3184.4	3194.6	3146.0	3124.3	3056.7	3015.8	3047.7
57.5°	3532.9	3558.5	3618.5	3734.7	3830.4	3935.1	3794.7	3651.7	3518.9	3453.8	3465.2
60°	3947.9	3984.9	4099.8	4262.0	4527.6	4623.3	4385.8	4140.7	3871.3	3672.1	3752.5
62.5°	4143.2	4200.7	4297.7	4625.9	5024.2	5162.1	4813.6	4368.0	3959.4	3767.9	3764.0
64°	4144.5	4153.4	4347.5	4701.2	5111.1	5377.9	4917.0	4368.0	3981.1	3744.9	3788.3
65°	4059.0	4096.0	4283.7	4632.2	5056.1	5395.8	4881.2	4307.9	3891.7	3707.8	3728.3
67.5°	3670.8	3669.5	3843.2	4189.2	4777.8	5192.8	4577.3	3972.1	3670.8	3471.6	3495.9
70°	2784.7	2829.4	2995.4	3420.6	4134.3	4578.6	4002.8	3375.9	3000.5	2840.9	2832.0
72.5°	1666.2	1725.0	1936.9	2455.3	3211.2	3751.3	3176.7	2497.4	2045.4	1792.6	1799.0
75°	759.7	803.1	948.7	1371.3	2139.9	2742.6	2152.7	1444.1	1035.5	874.6	851.6
77.5°	213.2	240.0	320.5	629.5	1174.7	1644.5	1207.9	695.9	452.0	375.4	367.7
80°	95.8	100.9	113.6	153.2	372.8	725.2	499.2	255.4	169.8	140.4	134.1
82.5°	52.3	56.2	74.1	79.2	106.0	192.8	164.7	120.0	102.1	81.7	79.2
85°	29.4	30.6	42.1	42.1	51.1	56.2	60.0	63.8	62.6	46.0	44.7
87.5°	8.9	10.2	12.8	12.8	12.8	12.8	20.4	28.1	30.6	21.7	21.7
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)