

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: P565355

Luminaire Tested: **IFLD-L-SA7A-AMB-U-RW**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565355
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-RW
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ RW distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

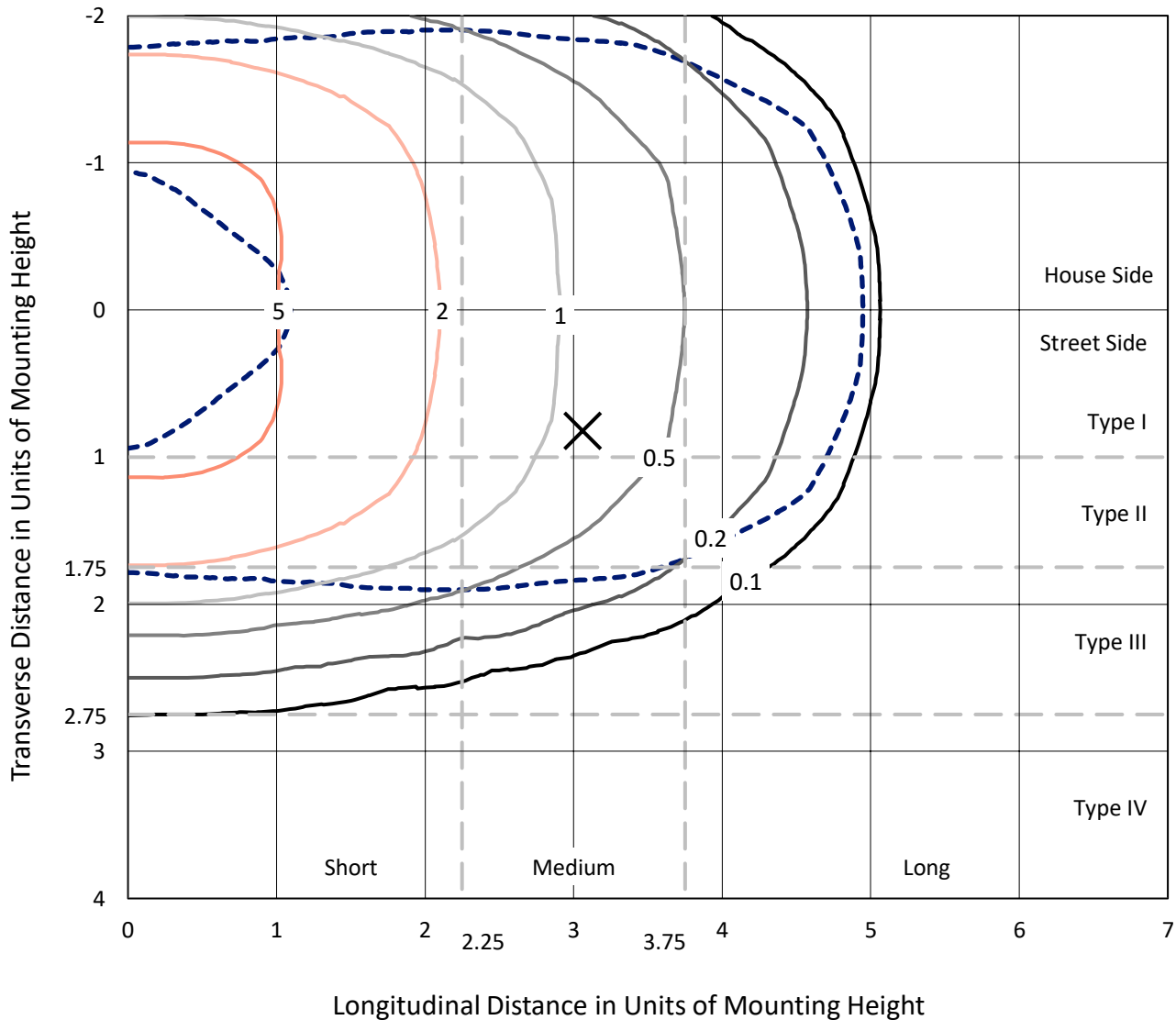
Lumens per Lamp: N/A
Luminaire Lumens: 7665.1 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 140.5
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

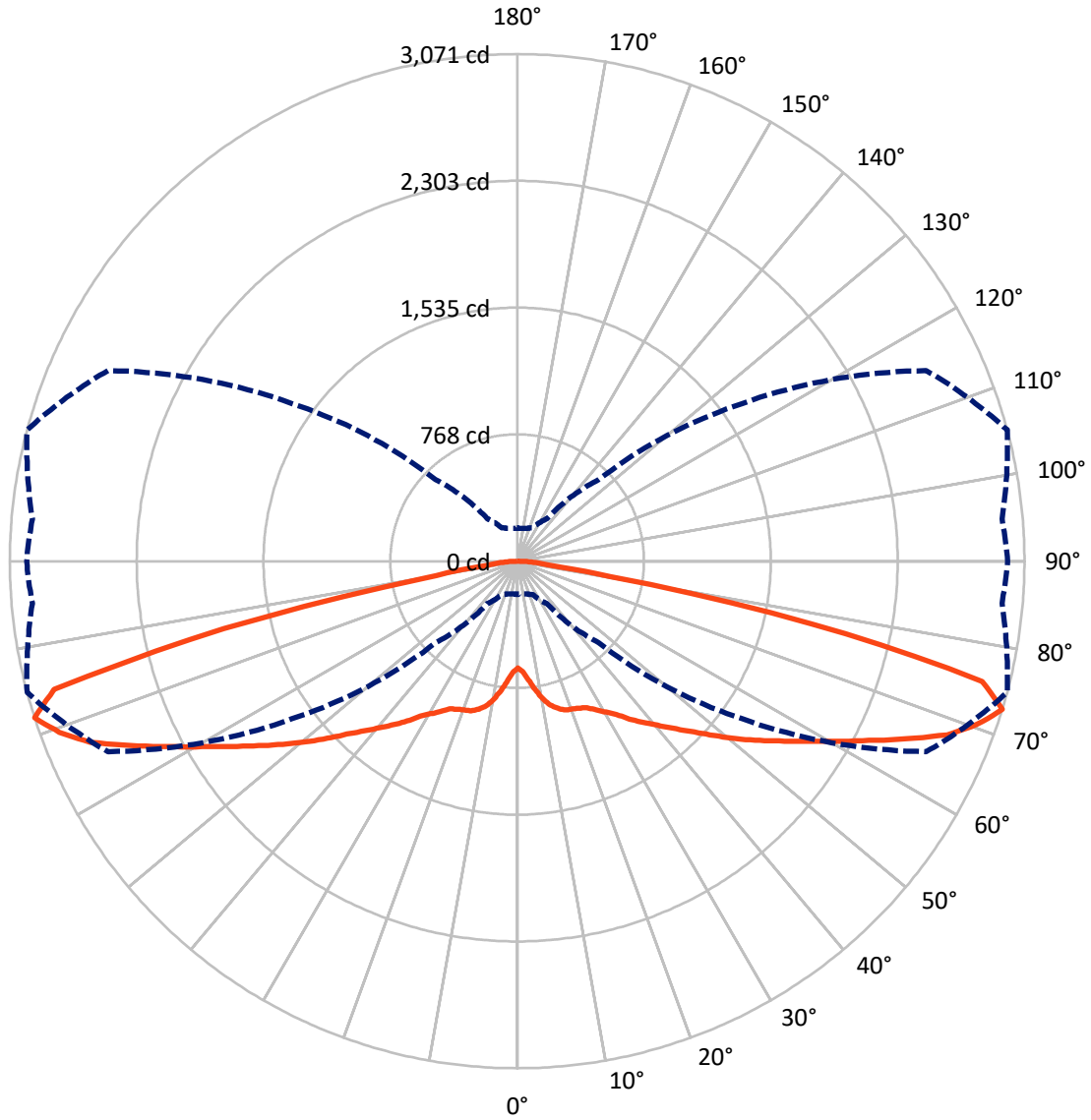
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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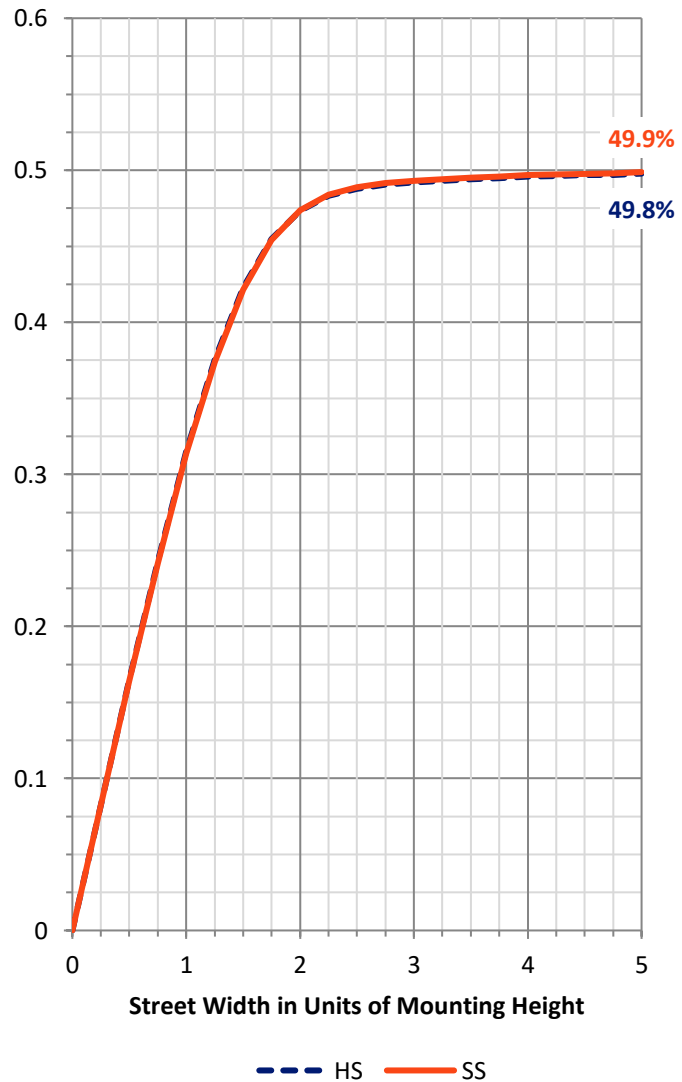
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3832.5	0.0	3832.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3832.5	0.0	3832.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7665.1	0.0	7665.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	0.9
10°-20°	237.8	3.1
20°-30°	460.4	6.0
30°-40°	785.7	10.3
40°-50°	1264.8	16.5
50°-60°	1813.1	23.7
60°-70°	1903.9	24.8
70°-80°	1046.9	13.7
80°-90°	84.8	1.1
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°	7665.1	100.0
0°-180°	7665.1	100.0

Coefficient of Utilization

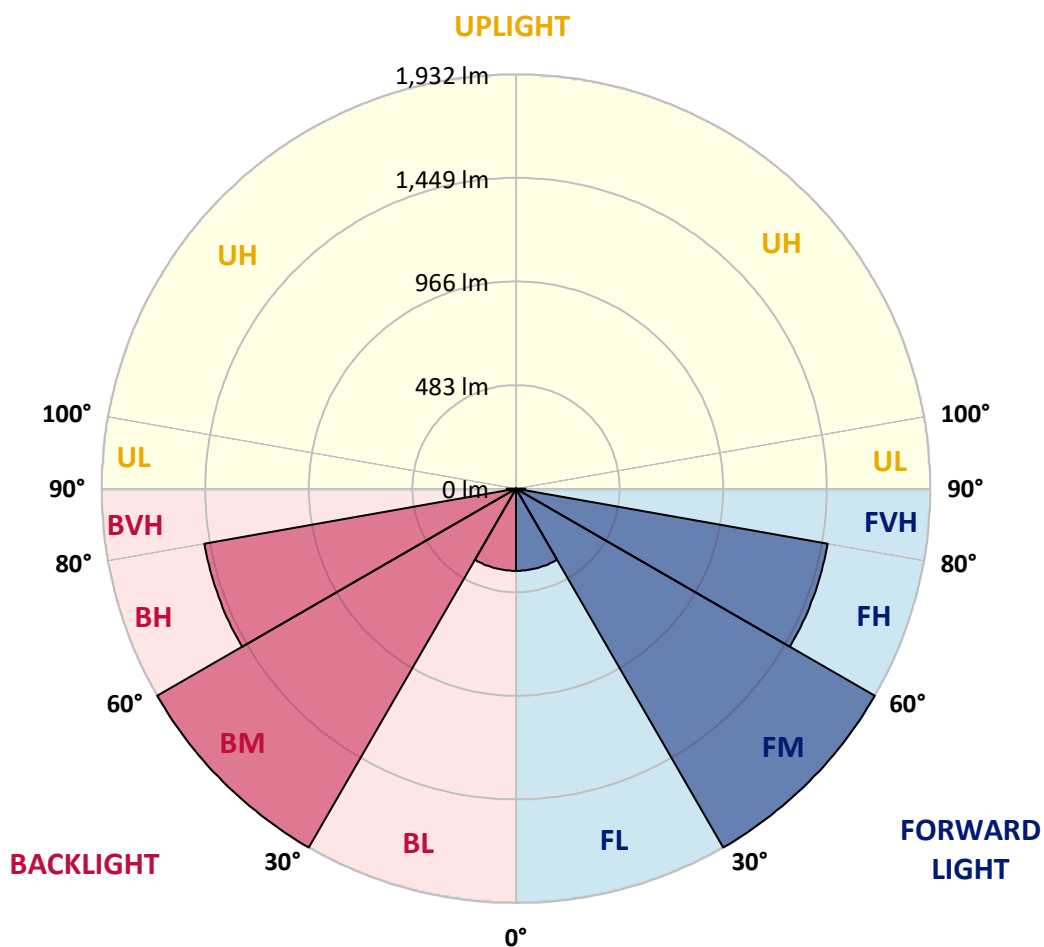


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.0	5.0			
FM (30°-60°)	1931.8	25.2			
FH (60°-80°)	1475.4	19.2			G1/1800
FVH (80°-90°)	42.4	0.6			G1/100
BL (0°-30°)	383.0	5.0	B1/500		
BM (30°-60°)	1931.8	25.2	B2/2500		
BH (60°-80°)	1475.4	19.2	B3/2500		G3/2500
BVH (80°-90°)	42.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	638.4	638.4	642.1	645.9	649.7	657.2	664.8	668.6	672.3	672.3	676.1
5°	642.1	642.1	645.9	657.2	668.6	683.7	698.8	710.1	721.5	725.2	729.0
7.5°	653.5	653.5	664.8	676.1	695.0	721.5	744.1	763.0	785.7	793.2	797.0
10°	664.8	664.8	679.9	702.6	729.0	759.2	793.2	819.7	846.1	861.2	865.0
12.5°	672.3	672.3	691.2	725.2	766.8	808.3	838.5	861.2	895.2	914.1	921.6
15°	691.2	691.2	717.7	759.2	812.1	853.7	883.9	902.8	925.4	951.9	955.6
17.5°	717.7	717.7	747.9	797.0	853.7	902.8	929.2	933.0	948.1	970.7	974.5
20°	747.9	747.9	785.7	842.3	902.8	948.1	970.7	959.4	955.6	974.5	978.3
22.5°	797.0	797.0	834.8	899.0	959.4	1008.5	1012.3	985.9	967.0	978.3	982.1
25°	846.1	846.1	887.7	955.6	1035.0	1076.5	1069.0	1027.4	982.1	989.6	993.4
27.5°	895.2	899.0	940.5	1016.1	1091.6	1140.7	1133.2	1072.7	1019.9	1004.7	1016.1
30°	963.2	967.0	1016.1	1087.8	1155.8	1197.4	1197.4	1129.4	1061.4	1035.0	1038.7
32.5°	1061.4	1069.0	1106.7	1170.9	1227.6	1261.6	1250.3	1189.8	1106.7	1080.3	1080.3
35°	1163.4	1167.2	1208.7	1265.4	1310.7	1329.6	1310.7	1254.0	1174.7	1136.9	1144.5
37.5°	1265.4	1269.2	1314.5	1359.8	1405.1	1405.1	1382.5	1318.3	1238.9	1197.4	1208.7
40°	1378.7	1386.2	1427.8	1480.7	1507.1	1495.8	1465.6	1393.8	1306.9	1265.4	1272.9
42.5°	1495.8	1499.6	1552.4	1609.1	1628.0	1609.1	1560.0	1476.9	1382.5	1344.7	1352.3
45°	1601.5	1601.5	1662.0	1733.8	1756.4	1737.5	1665.8	1578.9	1469.3	1427.8	1431.6
47.5°	1696.0	1699.8	1764.0	1839.5	1881.1	1873.5	1790.4	1688.4	1571.3	1522.2	1514.7
50°	1779.1	1790.4	1847.1	1930.2	1986.8	2005.7	1918.8	1801.7	1684.6	1624.2	1612.9
52.5°	1847.1	1862.2	1922.6	2005.7	2077.5	2130.4	2054.8	1926.4	1801.7	1737.5	1733.8
55°	1869.7	1888.6	1964.2	2066.1	2149.2	2228.6	2183.2	2069.9	1922.6	1858.4	1866.0
57.5°	1820.6	1832.0	1941.5	2077.5	2213.5	2315.4	2296.6	2209.7	2058.6	1998.2	2020.8
60°	1616.7	1639.3	1779.1	1971.7	2209.7	2398.5	2413.7	2349.4	2213.5	2164.4	2183.2
62.5°	1276.7	1291.8	1458.0	1707.3	2066.1	2436.3	2545.9	2496.8	2391.0	2345.7	2375.9
65°	793.2	808.3	974.5	1272.9	1756.4	2326.8	2700.7	2685.6	2591.2	2542.1	2587.4
67.5°	445.7	453.3	540.1	736.6	1223.8	1998.2	2734.7	2900.9	2806.5	2727.2	2761.2
70°	253.1	253.1	283.3	389.1	661.0	1397.6	2387.2	2957.6	2957.6	2851.8	2874.5
72.5°	200.2	200.2	204.0	222.9	313.5	698.8	1665.8	2730.9	3070.9	2946.2	2968.9
75°	170.0	166.2	170.0	173.8	185.1	272.0	827.2	2028.4	2908.5	2919.8	2938.7
77.5°	132.2	132.2	136.0	139.8	143.5	158.6	290.8	944.3	1820.6	2111.5	2149.2
80°	98.2	98.2	105.8	105.8	105.8	117.1	151.1	294.6	570.4	713.9	683.7
82.5°	64.2	60.4	79.3	75.5	75.5	75.5	102.0	147.3	192.6	166.2	124.6
85°	37.8	37.8	45.3	45.3	45.3	41.5	60.4	86.9	113.3	75.5	56.7
87.5°	7.6	7.6	11.3	11.3	11.3	11.3	18.9	26.4	45.3	26.4	18.9
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)