

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: P565313

Luminaire Tested: **IFLD-S-SA6A-AMB-U-5MQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565313
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-5MQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5MQ distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

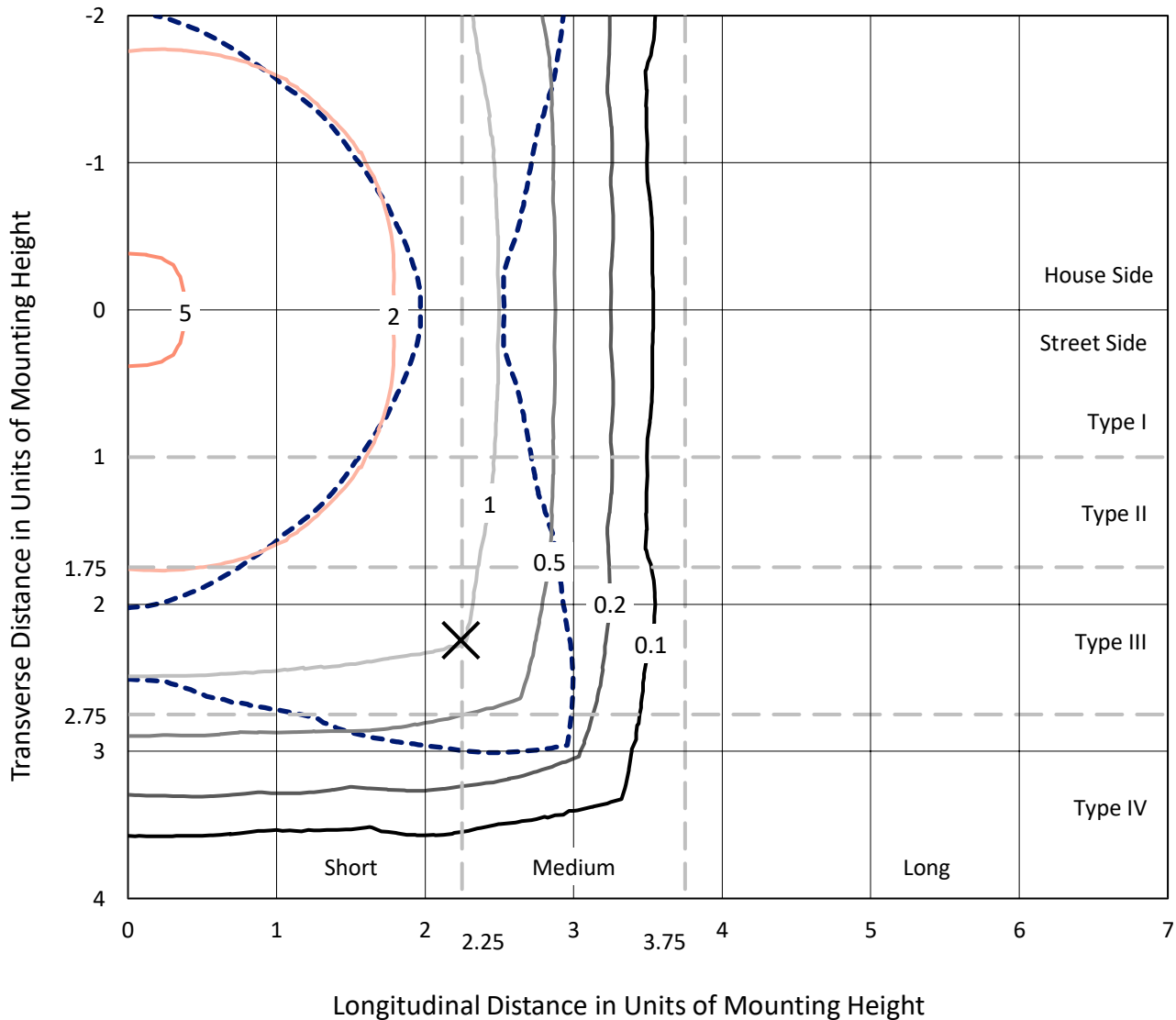
Lumens per Lamp: N/A
Luminaire Lumens: 6476.6 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 122.4
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

REPORT NUMBER: P565313
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

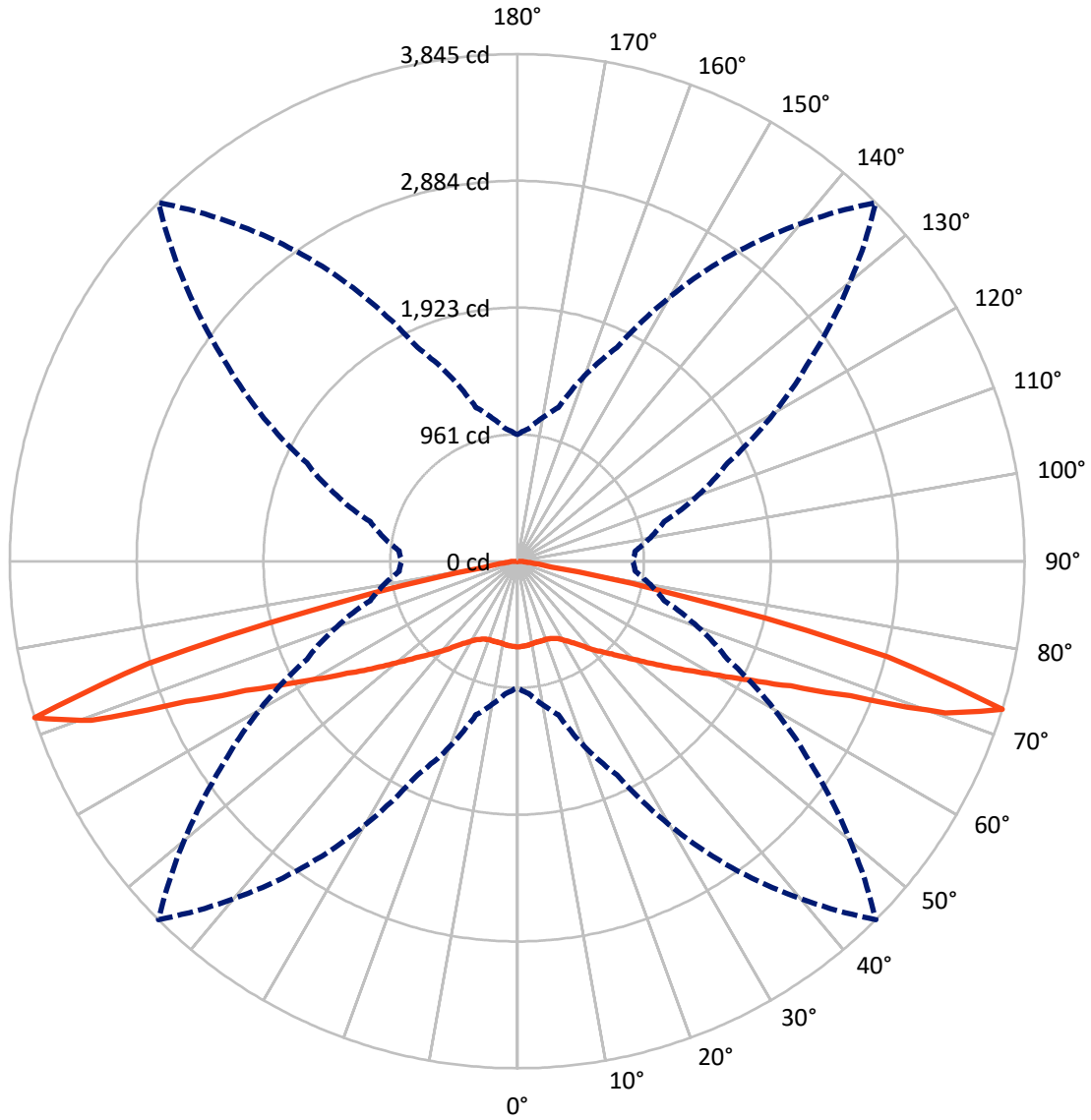
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

REPORT NUMBER: P565313
CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P565313
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5MQ

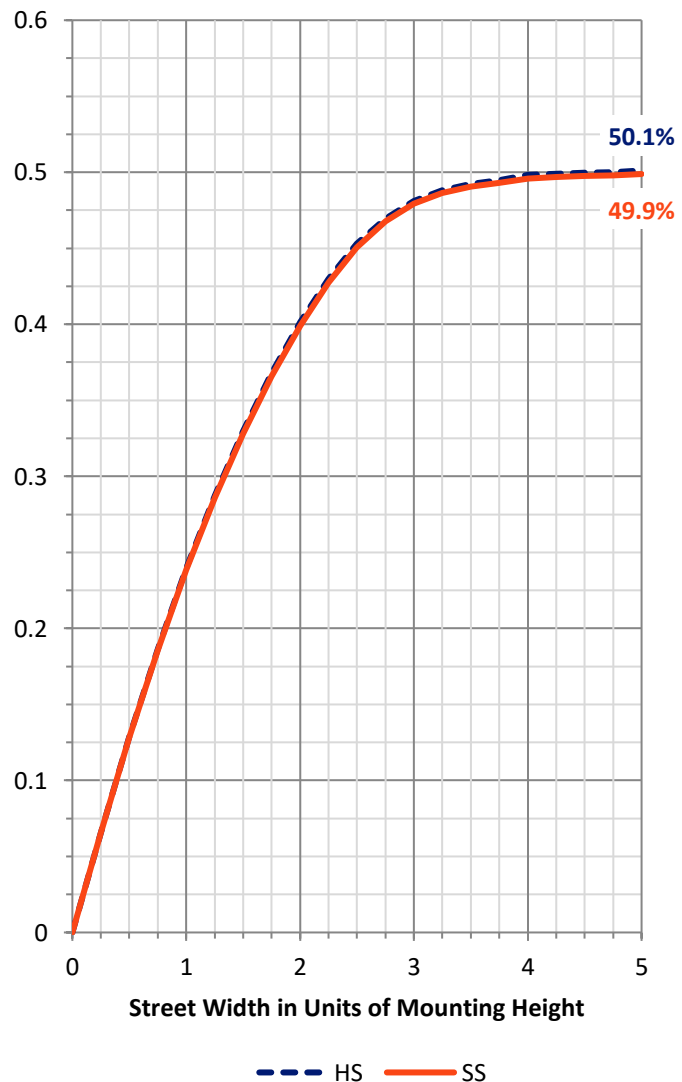
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3238.3	0.0	3238.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3238.3	0.0	3238.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6476.6	0.0	6476.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	0.9
10°-20°	177.6	2.7
20°-30°	297.2	4.6
30°-40°	483.8	7.5
40°-50°	791.3	12.2
50°-60°	1301.0	20.1
60°-70°	2115.5	32.7
70°-80°	1196.0	18.5
80°-90°	53.0	0.8
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°	6476.6	100.0
0°-180°	6476.6	100.0

Coefficient of Utilization

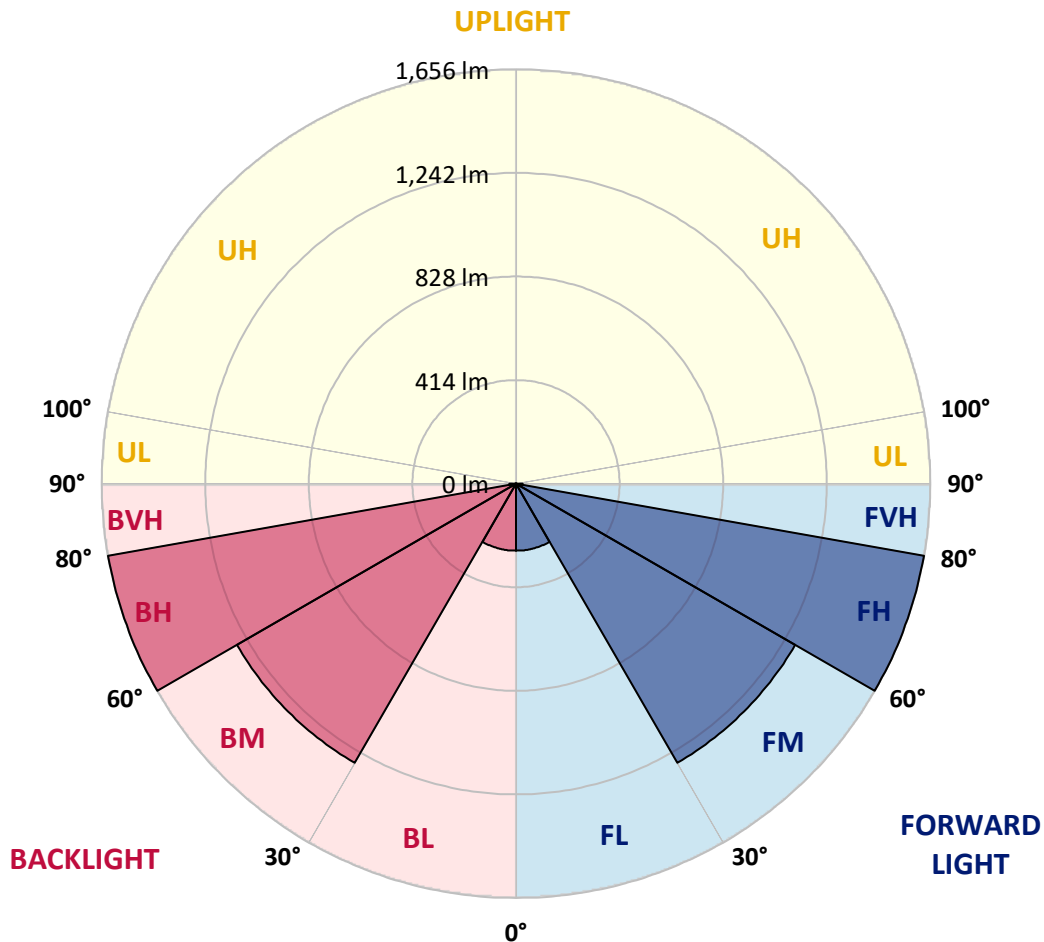


REPORT NUMBER: P565313
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.0	4.1			
FM (30°-60°)	1288.0	19.9			
FH (60°-80°)	1655.8	25.6			G1/1800
FVH (80°-90°)	26.5	0.4			G1/100
BL (0°-30°)	268.0	4.1	B1/500		
BM (30°-60°)	1288.0	19.9	B2/2500		
BH (60°-80°)	1655.8	25.6	B3/2500		G1/1800
BVH (80°-90°)	26.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





REPORT NUMBER: P565313
 CATALOG NUMBER: IFLD-S-SA6A-AMB-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7
2.5°	644.5	644.5	644.5	644.5	644.5	647.6	647.6	650.7	650.7	653.8	653.8
5°	644.5	644.5	644.5	644.5	644.5	644.5	647.6	647.6	647.6	647.6	650.7
7.5°	641.4	641.4	641.4	641.4	638.3	641.4	641.4	641.4	644.5	644.5	644.5
10°	632.1	632.1	632.1	632.1	632.1	635.2	635.2	635.2	635.2	638.3	638.3
12.5°	625.9	625.9	625.9	629.0	629.0	632.1	632.1	629.0	629.0	629.0	629.0
15°	622.8	619.7	622.8	625.9	629.0	632.1	632.1	625.9	625.9	622.8	622.8
17.5°	619.7	616.6	619.7	622.8	629.0	632.1	629.0	622.8	622.8	619.7	619.7
20°	613.5	613.5	616.6	622.8	629.0	632.1	632.1	622.8	619.7	616.6	616.6
22.5°	613.5	613.5	619.7	629.0	635.2	638.3	635.2	625.9	619.7	613.5	613.5
25°	619.7	619.7	629.0	638.3	647.6	650.7	644.5	635.2	629.0	619.7	616.6
27.5°	638.3	635.2	644.5	656.9	663.1	666.2	663.1	650.7	641.4	632.1	632.1
30°	669.3	666.2	675.5	687.9	694.1	694.1	687.9	678.6	669.3	660.0	660.0
32.5°	706.4	706.4	715.7	725.0	731.2	728.1	725.0	721.9	715.7	706.4	709.5
35°	737.4	740.5	756.0	768.4	774.6	768.4	768.4	768.4	762.2	752.9	749.8
37.5°	780.8	783.9	799.4	818.0	827.3	821.1	824.2	814.9	802.5	793.2	793.2
40°	842.8	842.8	861.4	876.9	886.2	880.0	883.1	876.9	867.6	858.3	861.4
42.5°	904.8	907.9	926.4	945.0	945.0	938.8	941.9	945.0	938.8	926.4	923.3
45°	979.1	982.2	1003.9	1019.4	1013.2	1003.9	1013.2	1028.7	1016.3	1003.9	1007.0
47.5°	1059.7	1062.8	1087.6	1103.1	1100.0	1084.5	1103.1	1115.4	1106.2	1084.5	1081.4
50°	1146.4	1149.5	1183.6	1202.2	1205.3	1180.5	1205.3	1223.9	1205.3	1177.4	1174.3
52.5°	1245.6	1258.0	1292.1	1319.9	1313.7	1292.1	1316.8	1341.6	1326.1	1295.2	1289.0
55°	1369.5	1375.7	1416.0	1450.1	1453.2	1425.3	1456.3	1478.0	1456.3	1416.0	1409.8
57.5°	1496.6	1515.1	1552.3	1592.6	1608.1	1570.9	1614.3	1626.7	1586.4	1536.8	1533.7
60°	1626.7	1645.3	1691.8	1753.7	1781.6	1759.9	1787.8	1775.4	1716.5	1657.7	1651.5
62.5°	1834.3	1840.5	1880.8	1939.6	1986.1	1983.0	1992.3	1958.2	1917.9	1871.5	1877.7
65°	1998.5	2001.6	2085.3	2168.9	2258.8	2280.5	2252.6	2218.5	2162.7	2045.0	2048.1
67.5°	1998.5	2020.2	2165.8	2388.9	2608.9	2723.6	2618.2	2441.6	2224.7	2045.0	2051.2
70°	1722.7	1716.5	1948.9	2351.7	2968.3	3445.5	2943.5	2395.1	1939.6	1682.5	1682.5
72.5°	960.5	1007.0	1205.3	1787.8	2838.2	3845.2	2745.2	1759.9	1152.6	898.6	876.9
75°	353.2	362.5	446.2	762.2	1719.6	2903.3	1651.5	703.4	378.0	312.9	312.9
77.5°	145.6	142.5	151.8	192.1	517.4	1304.5	458.6	207.6	164.2	164.2	167.3
80°	83.7	86.8	93.0	99.2	123.9	266.5	151.8	120.8	111.5	108.4	111.5
82.5°	37.2	43.4	58.9	65.1	74.4	96.1	99.2	89.9	77.5	65.1	62.0
85°	18.6	15.5	27.9	34.1	43.4	52.7	58.9	62.0	55.8	34.1	34.1
87.5°	3.1	3.1	6.2	6.2	9.3	12.4	21.7	24.8	24.8	12.4	12.4
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)