

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: P479559

Luminaire Tested: **IFLD-S-SA2E-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479559
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-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

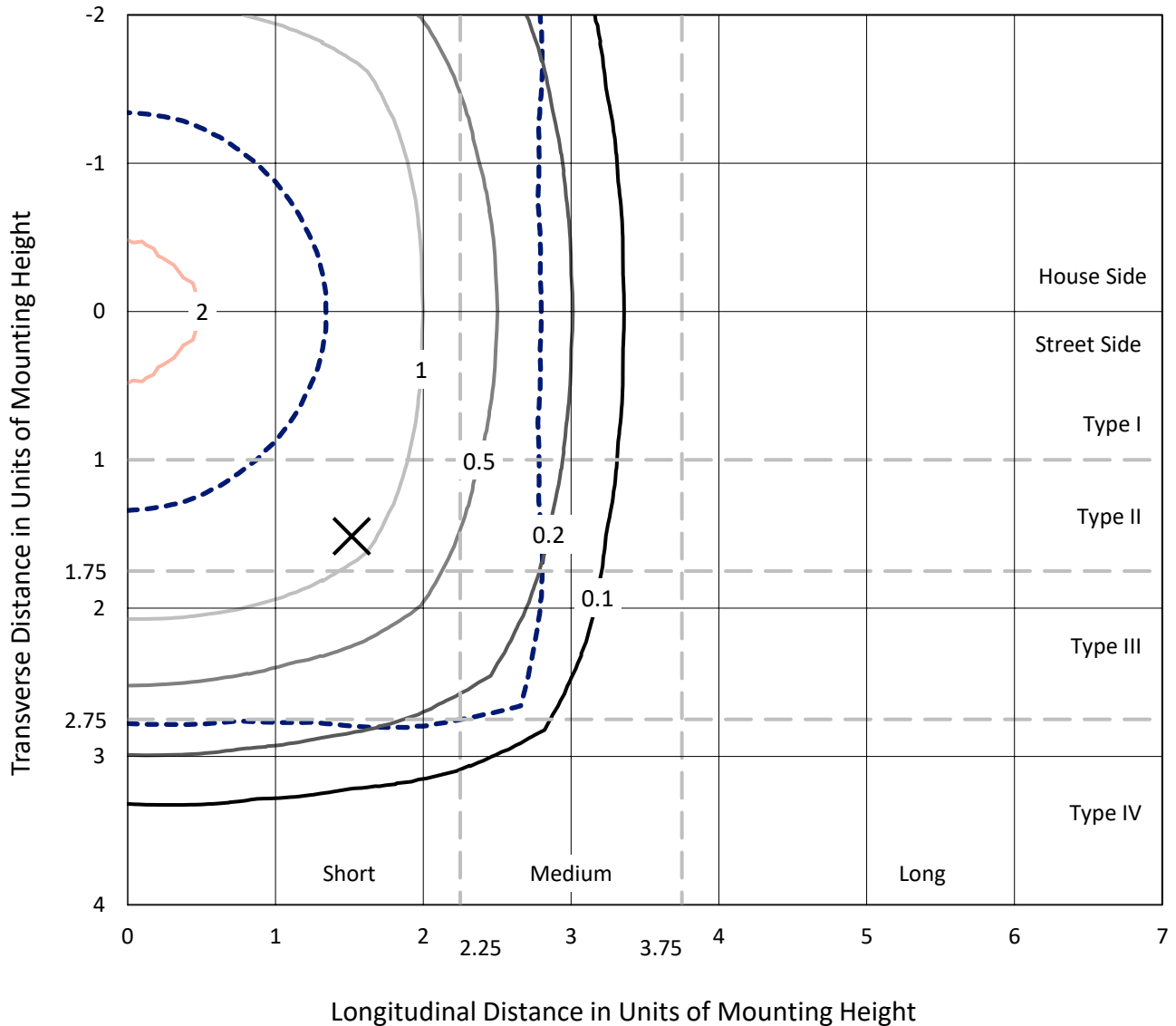
Lumens per Lamp: N/A
Luminaire Lumens: 13681.2 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.2
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: P479559
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Iso-Footcandle Lines of Horizontal Illumination

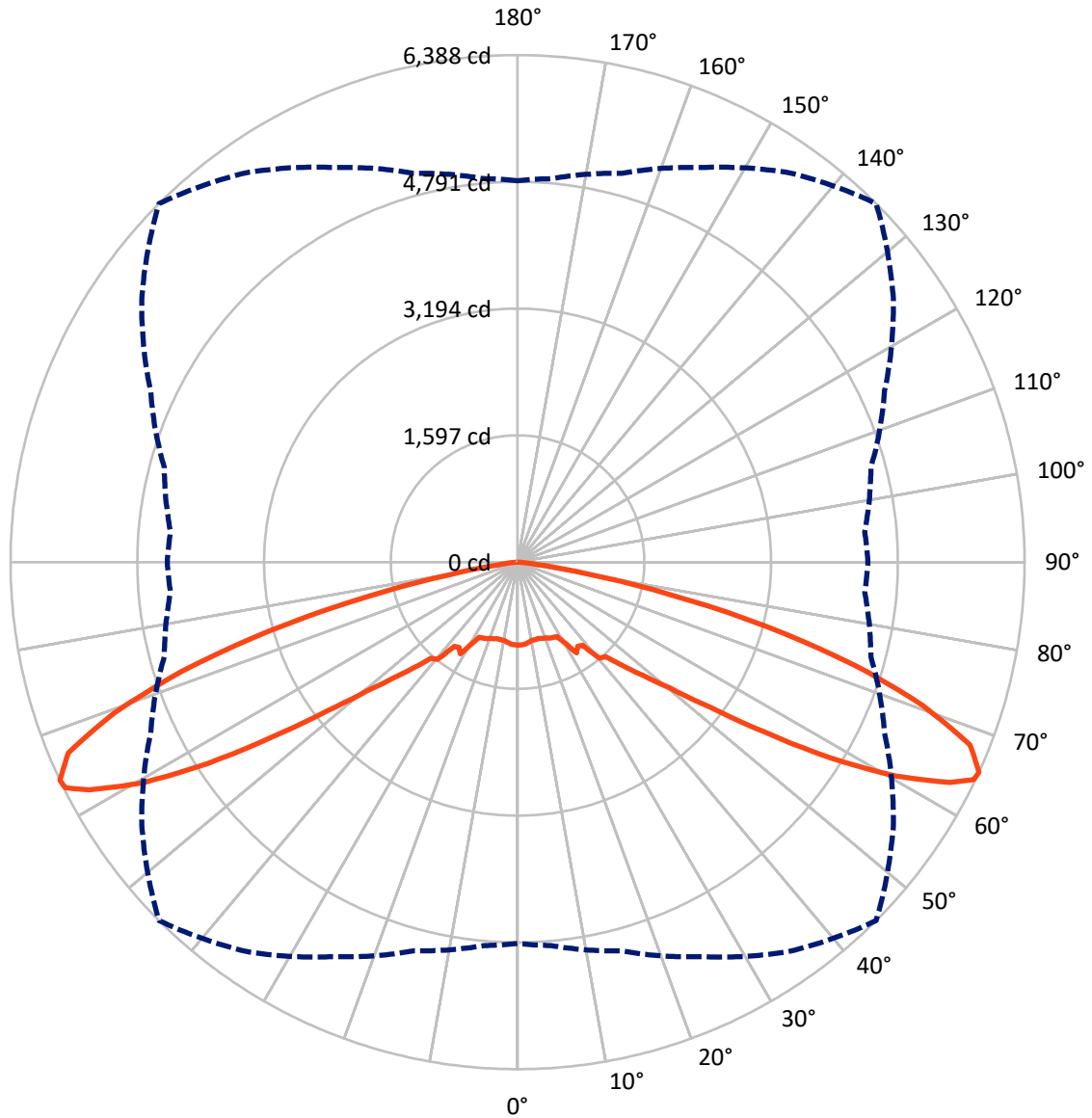
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

REPORT NUMBER: P479559
CATALOG NUMBER: IFLD-S-SA2E-722-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479559

CATALOG NUMBER: IFLD-S-SA2E-722-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6840.6	0.0	6840.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6840.6	0.0	6840.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13681.2	0.0	13681.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	0.7
10°-20°	288.3	2.1
20°-30°	499.1	3.6
30°-40°	829.9	6.1
40°-50°	1497.3	10.9
50°-60°	3335.5	24.4
60°-70°	4970.9	36.3
70°-80°	2060.0	15.1
80°-90°	102.0	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°	13681.2	100.0
0°-180°	13681.2	100.0

Coefficient of Utilization



REPORT NUMBER: P479559

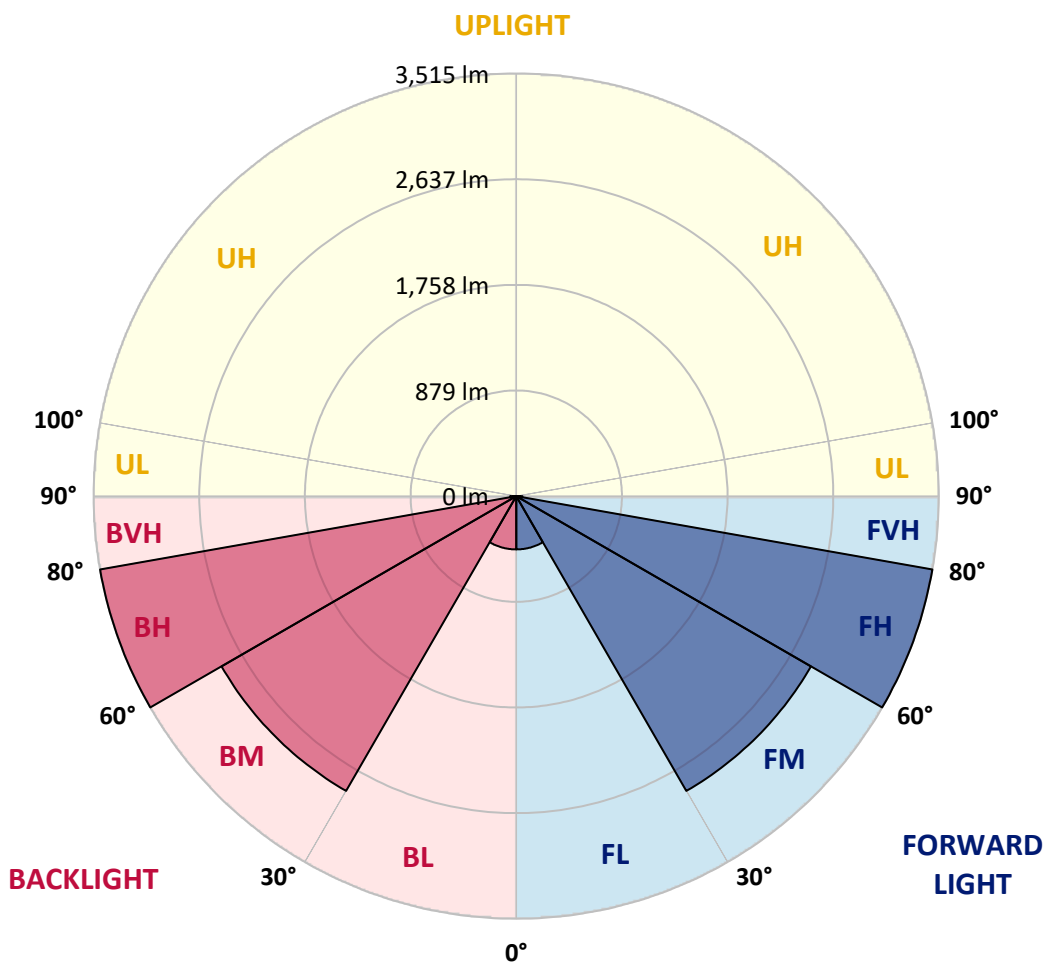
CATALOG NUMBER: IFLD-S-SA2E-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.8	3.2			
FM (30°-60°)	2831.3	20.7			
FH (60°-80°)	3515.4	25.7			G2/5000
FVH (80°-90°)	51.0	0.4			G1/100
BL (0°-30°)	442.8	3.2	B1/500		
BM (30°-60°)	2831.3	20.7	B3/5000		
BH (60°-80°)	3515.4	25.7	B4/5000		G2/5000
BVH (80°-90°)	51.0	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





REPORT NUMBER: P479559
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0
2.5°	1033.9	1036.9	1035.4	1035.4	1040.0	1043.0	1044.5	1059.6	1053.6	1058.1	1053.6
5°	1036.9	1036.9	1040.0	1036.9	1040.0	1036.9	1040.0	1035.4	1040.0	1043.0	1047.5
7.5°	1030.9	1027.9	1023.3	1023.3	1021.8	1018.8	1014.3	1026.4	1020.3	1024.8	1032.4
10°	1032.4	1027.9	1012.8	1015.8	1002.2	1002.2	1005.2	1005.2	1018.8	1033.9	1038.5
12.5°	1032.4	1023.3	1018.8	999.2	999.2	1000.7	1008.2	1011.2	1020.3	1026.4	1041.5
15°	1032.4	1027.9	1020.3	994.6	1000.7	997.6	1005.2	1005.2	1024.8	1035.4	1043.0
17.5°	1038.5	1041.5	1027.9	1003.7	1005.2	1011.2	1006.7	1011.2	1035.4	1043.0	1053.6
20°	1040.0	1027.9	1023.3	1008.2	1021.8	1018.8	1017.3	1026.4	1033.9	1047.5	1059.6
22.5°	1036.9	1041.5	1023.3	1021.8	1033.9	1040.0	1043.0	1032.4	1041.5	1050.5	1061.1
25°	1062.6	1046.0	1041.5	1038.5	1044.5	1050.5	1047.5	1056.6	1056.6	1067.2	1080.8
27.5°	1132.2	1133.7	1124.6	1088.3	1076.2	1062.6	1068.7	1092.9	1121.6	1144.3	1148.8
30°	1163.9	1170.0	1194.1	1188.1	1183.6	1188.1	1186.6	1192.6	1195.7	1197.2	1192.6
32.5°	1192.6	1189.6	1179.0	1206.2	1295.4	1363.4	1298.4	1209.3	1189.6	1183.6	1189.6
35°	1296.9	1296.9	1274.3	1239.5	1286.3	1303.0	1272.7	1230.4	1254.6	1304.5	1307.5
37.5°	1431.5	1411.8	1420.9	1416.3	1365.0	1328.7	1381.6	1408.8	1413.3	1411.8	1426.9
40°	1511.6	1498.0	1484.4	1508.6	1555.4	1588.7	1541.8	1476.8	1493.4	1526.7	1513.1
42.5°	1694.5	1659.7	1662.7	1638.5	1637.0	1626.5	1615.9	1620.4	1644.6	1682.4	1688.4
45°	1881.9	1898.5	1888.0	1842.6	1863.8	1863.8	1833.5	1856.2	1868.3	1912.1	1918.2
47.5°	2175.2	2167.6	2172.1	2131.3	2129.8	2140.4	2129.8	2131.3	2169.1	2166.1	2149.5
50°	2518.3	2539.4	2545.5	2525.8	2501.7	2497.1	2480.5	2501.7	2524.3	2525.8	2512.2
52.5°	2992.9	3015.6	3015.6	3021.6	3051.9	3036.8	3033.7	3035.2	2991.4	2961.2	2976.3
55°	3591.5	3599.1	3624.8	3677.7	3769.9	3782.0	3724.5	3698.8	3618.7	3570.3	3608.1
57.5°	4182.5	4212.8	4283.8	4421.4	4534.7	4658.7	4492.4	4323.1	4165.9	4088.8	4102.4
60°	4673.8	4717.6	4853.7	5045.6	5360.0	5473.4	5192.3	4902.0	4583.1	4347.3	4442.5
62.5°	4905.1	4973.1	5088.0	5476.4	5948.0	6111.3	5698.6	5171.1	4687.4	4460.7	4456.1
64°	4906.6	4917.2	5146.9	5565.6	6050.8	6366.7	5821.1	5171.1	4713.1	4433.4	4484.8
65°	4805.3	4849.1	5071.3	5484.0	5985.8	6387.9	5778.7	5100.1	4607.3	4389.6	4413.8
67.5°	4345.8	4344.3	4549.8	4959.5	5656.3	6147.6	5419.0	4702.5	4345.8	4110.0	4138.7
70°	3296.7	3349.6	3546.2	4049.5	4894.5	5420.5	4738.8	3996.6	3552.2	3363.3	3352.7
72.5°	1972.6	2042.1	2293.1	2906.8	3801.6	4441.0	3760.8	2956.6	2421.5	2122.2	2129.8
75°	899.4	950.8	1123.1	1623.4	2533.4	3246.9	2548.5	1709.6	1225.9	1035.4	1008.2
77.5°	252.4	284.2	379.4	745.2	1390.6	1946.9	1429.9	823.8	535.1	444.4	435.3
80°	113.4	119.4	134.5	181.4	441.4	858.6	591.0	302.3	201.0	166.3	158.7
82.5°	62.0	66.5	87.7	93.7	125.5	228.2	195.0	142.1	120.9	96.7	93.7
85°	34.8	36.3	49.9	49.9	60.5	66.5	71.0	75.6	74.1	54.4	52.9
87.5°	10.6	12.1	15.1	15.1	15.1	15.1	24.2	33.3	36.3	25.7	25.7
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)