

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: P479675

Luminaire Tested: **IFLD-S-SA2D-735-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479675
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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

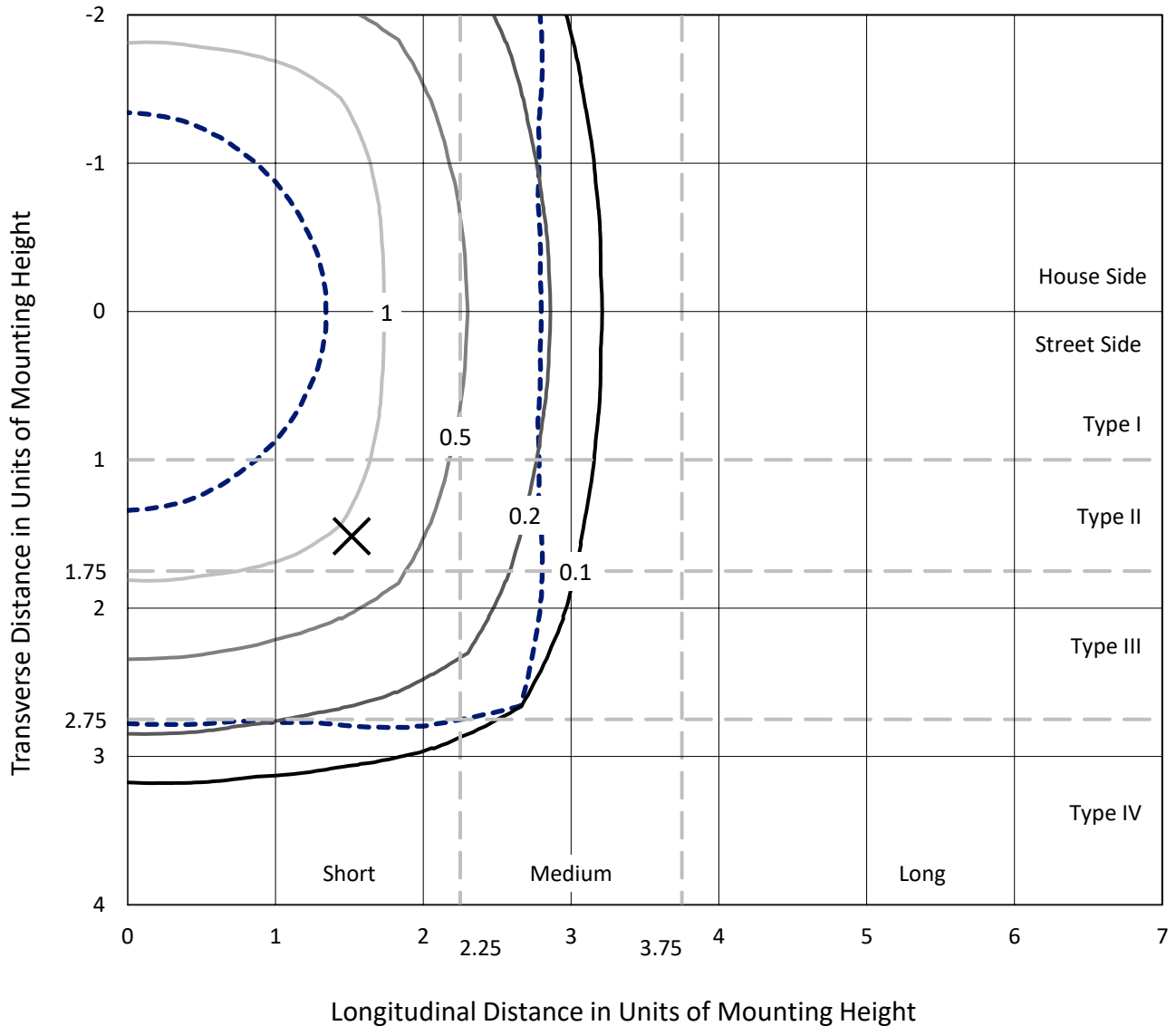
Lumens per Lamp: N/A
Luminaire Lumens: 15829.3 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 123.9
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

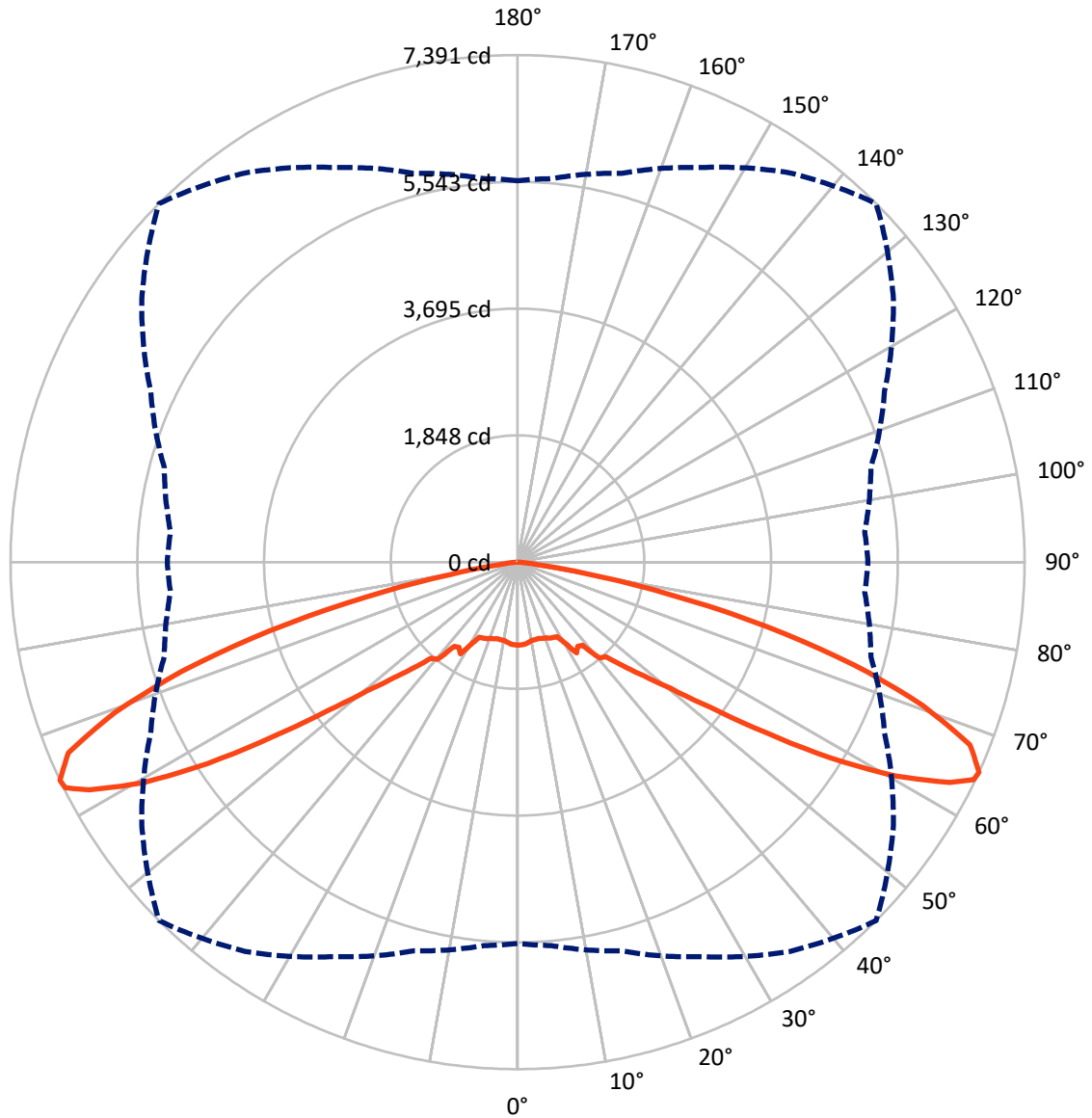
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	7914.6	0.0	7914.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7914.6	0.0	7914.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15829.3	0.0	15829.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	0.7
10°-20°	333.6	2.1
20°-30°	577.5	3.6
30°-40°	960.2	6.1
40°-50°	1732.4	10.9
50°-60°	3859.2	24.4
60°-70°	5751.4	36.3
70°-80°	2383.5	15.1
80°-90°	118.1	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°	15829.3	100.0
0°-180°	15829.3	100.0



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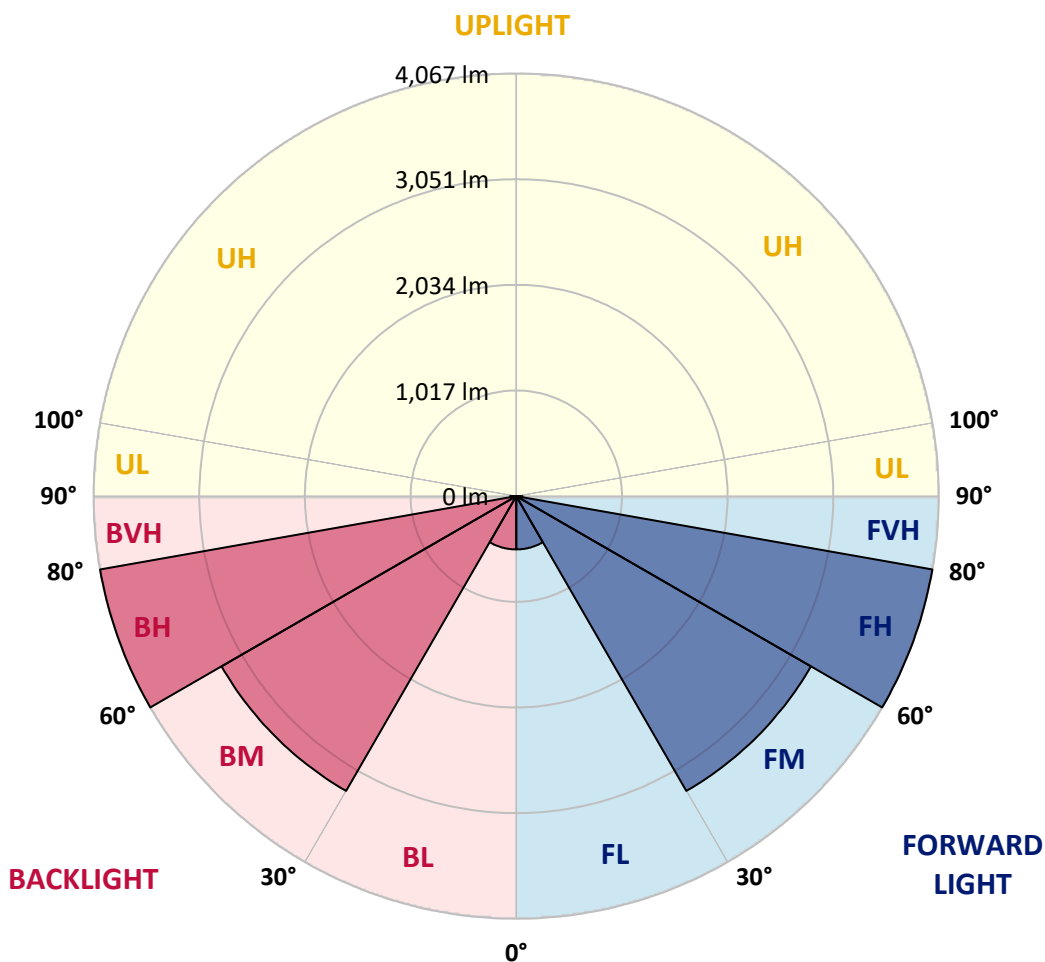
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.3	3.2			
FM (30°-60°)	3275.9	20.7			
FH (60°-80°)	4067.4	25.7			G2/5000
FVH (80°-90°)	59.0	0.4			G1/100
BL (0°-30°)	512.3	3.2	B2/1000		
BM (30°-60°)	3275.9	20.7	B3/5000		
BH (60°-80°)	4067.4	25.7	B4/5000		G2/5000
BVH (80°-90°)	59.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1210.2	1210.2	1210.2	1210.2	1210.2	1210.2	1210.2	1210.2	1210.2	1210.2	1210.2
2.5°	1196.3	1199.8	1198.0	1198.0	1203.2	1206.7	1208.5	1226.0	1219.0	1224.2	1219.0
5°	1199.8	1199.8	1203.2	1199.8	1203.2	1199.8	1203.2	1198.0	1203.2	1206.7	1212.0
7.5°	1192.8	1189.3	1184.0	1184.0	1182.3	1178.8	1173.5	1187.5	1180.5	1185.8	1194.5
10°	1194.5	1189.3	1171.8	1175.3	1159.5	1159.5	1163.0	1163.0	1178.8	1196.3	1201.5
12.5°	1194.5	1184.0	1178.8	1156.0	1156.0	1157.8	1166.5	1170.0	1180.5	1187.5	1205.0
15°	1194.5	1189.3	1180.5	1150.8	1157.8	1154.3	1163.0	1163.0	1185.8	1198.0	1206.7
17.5°	1201.5	1205.0	1189.3	1161.3	1163.0	1170.0	1164.8	1170.0	1198.0	1206.7	1219.0
20°	1203.2	1189.3	1184.0	1166.5	1182.3	1178.8	1177.0	1187.5	1196.3	1212.0	1226.0
22.5°	1199.8	1205.0	1184.0	1182.3	1196.3	1203.2	1206.7	1194.5	1205.0	1215.5	1227.7
25°	1229.5	1210.2	1205.0	1201.5	1208.5	1215.5	1212.0	1222.5	1222.5	1234.7	1250.5
27.5°	1309.9	1311.7	1301.2	1259.2	1245.2	1229.5	1236.5	1264.5	1297.7	1323.9	1329.2
30°	1346.7	1353.7	1381.6	1374.6	1369.4	1374.6	1372.9	1379.9	1383.4	1385.1	1379.9
32.5°	1379.9	1376.4	1364.1	1395.6	1498.8	1577.5	1502.3	1399.1	1376.4	1369.4	1376.4
35°	1500.6	1500.6	1474.3	1434.1	1488.3	1507.6	1472.6	1423.6	1451.6	1509.3	1512.8
37.5°	1656.2	1633.5	1644.0	1638.7	1579.3	1537.3	1598.5	1630.0	1635.2	1633.5	1651.0
40°	1748.9	1733.2	1717.4	1745.4	1799.6	1838.1	1783.9	1708.7	1727.9	1766.4	1750.7
42.5°	1960.5	1920.3	1923.8	1895.8	1894.1	1881.8	1869.6	1874.8	1902.8	1946.5	1953.5
45°	2177.4	2196.6	2184.4	2131.9	2156.4	2156.4	2121.4	2147.7	2161.6	2212.4	2219.4
47.5°	2516.7	2507.9	2513.2	2466.0	2464.2	2476.5	2464.2	2466.0	2509.7	2506.2	2486.9
50°	2913.7	2938.2	2945.2	2922.4	2894.4	2889.2	2870.0	2894.4	2920.7	2922.4	2906.7
52.5°	3462.8	3489.1	3489.1	3496.1	3531.0	3513.6	3510.1	3511.8	3461.1	3426.1	3443.6
55°	4155.4	4164.1	4193.9	4255.1	4361.8	4375.8	4309.3	4279.6	4186.9	4130.9	4174.6
57.5°	4839.2	4874.2	4956.4	5115.6	5246.7	5390.1	5197.8	5001.9	4820.0	4730.8	4746.5
60°	5407.6	5458.3	5615.7	5837.9	6201.6	6332.8	6007.5	5671.7	5302.7	5029.9	5140.0
62.5°	5675.2	5753.9	5886.8	6336.3	6882.0	7070.8	6593.4	5983.0	5423.4	5161.0	5155.8
64°	5677.0	5689.2	5955.0	6439.5	7000.9	7366.4	6735.0	5983.0	5453.1	5129.5	5189.0
65°	5559.8	5610.5	5867.6	6345.0	6925.7	7390.9	6686.1	5900.8	5330.7	5078.8	5106.8
67.5°	5028.1	5026.4	5264.2	5738.2	6544.4	7112.8	6269.8	5440.9	5028.1	4755.3	4788.5
70°	3814.4	3875.6	4102.9	4685.3	5663.0	6271.6	5482.8	4624.1	4109.9	3891.3	3879.1
72.5°	2282.3	2362.8	2653.1	3363.1	4398.5	5138.3	4351.3	3420.9	2801.8	2455.5	2464.2
75°	1040.6	1100.1	1299.4	1878.3	2931.2	3756.7	2948.7	1978.0	1418.4	1198.0	1166.5
77.5°	292.1	328.8	439.0	862.2	1609.0	2252.6	1654.5	953.2	619.1	514.2	503.7
80°	131.2	138.2	155.7	209.9	510.7	993.4	683.8	349.8	232.6	192.4	183.6
82.5°	71.7	77.0	101.4	108.4	145.2	264.1	225.6	164.4	139.9	111.9	108.4
85°	40.2	42.0	57.7	57.7	70.0	77.0	82.2	87.4	85.7	63.0	61.2
87.5°	12.2	14.0	17.5	17.5	17.5	17.5	28.0	38.5	42.0	29.7	29.7
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)