

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: P524319

Luminaire Tested: **IFLD-S-SA6E-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524319
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33502.5 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

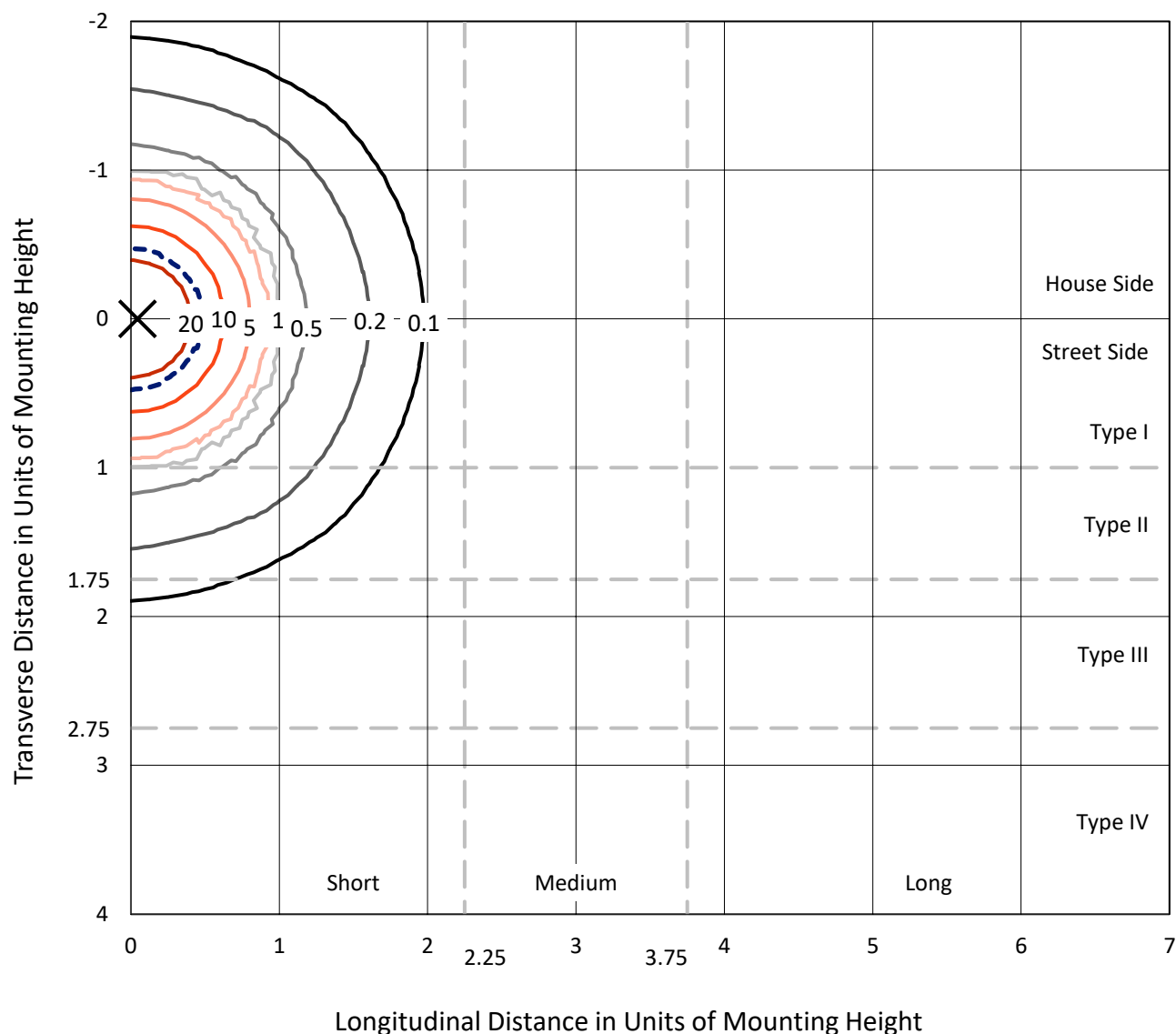
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

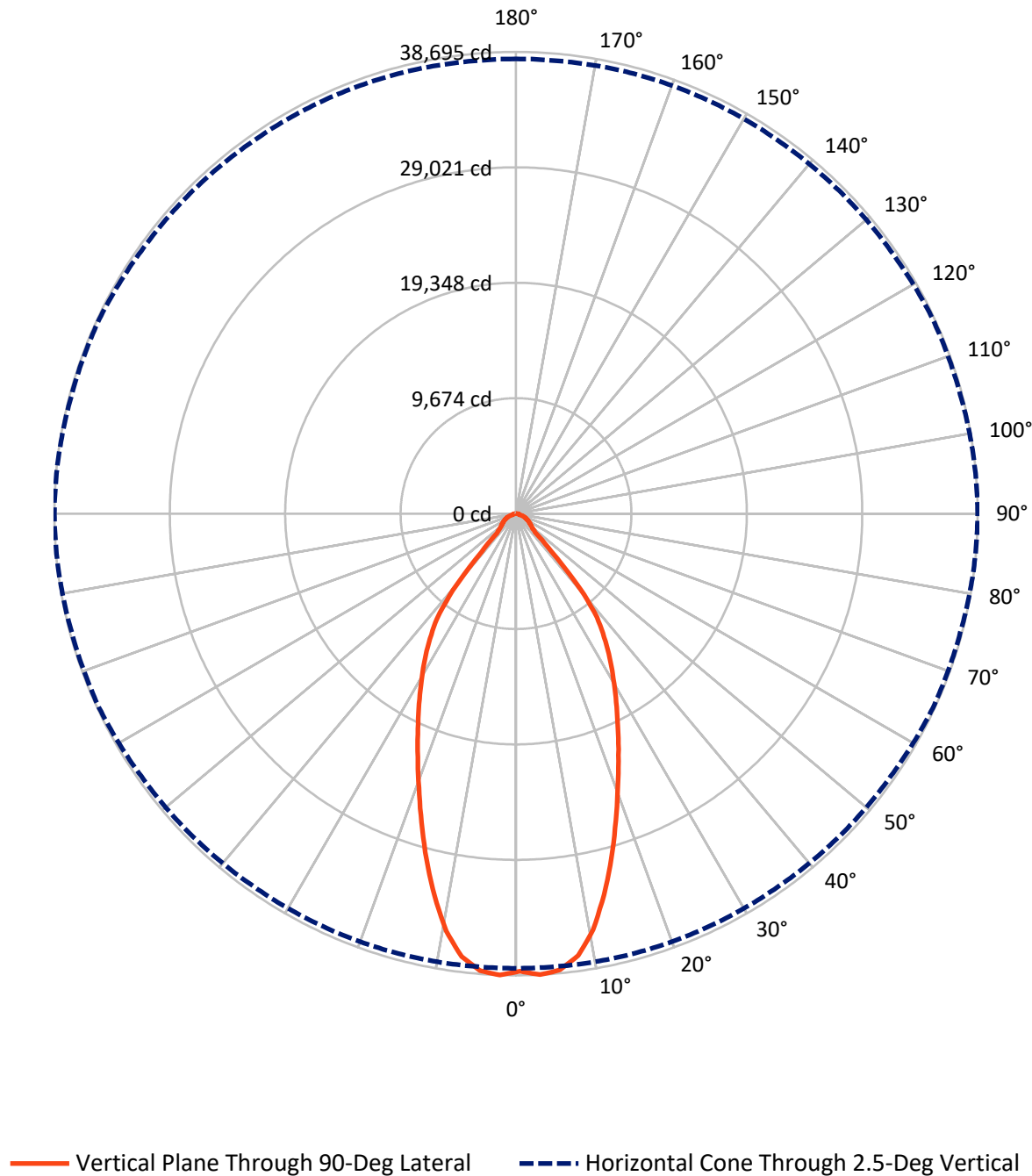


Based on 30 foot mounting height. Maximum calculated value = 42.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16751.2	0.0	16751.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16751.2	0.0	16751.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33502.5	0.0	33502.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3535.3	10.6
10°-20°	8160.9	24.4
20°-30°	8960.0	26.7
30°-40°	7769.0	23.2
40°-50°	2556.3	7.6
50°-60°	1146.2	3.4
60°-70°	810.1	2.4
70°-80°	439.9	1.3
80°-90°	124.7	0.4
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°	33502.5	100.0
0°-180°	33502.5	100.0

Coefficient of Utilization



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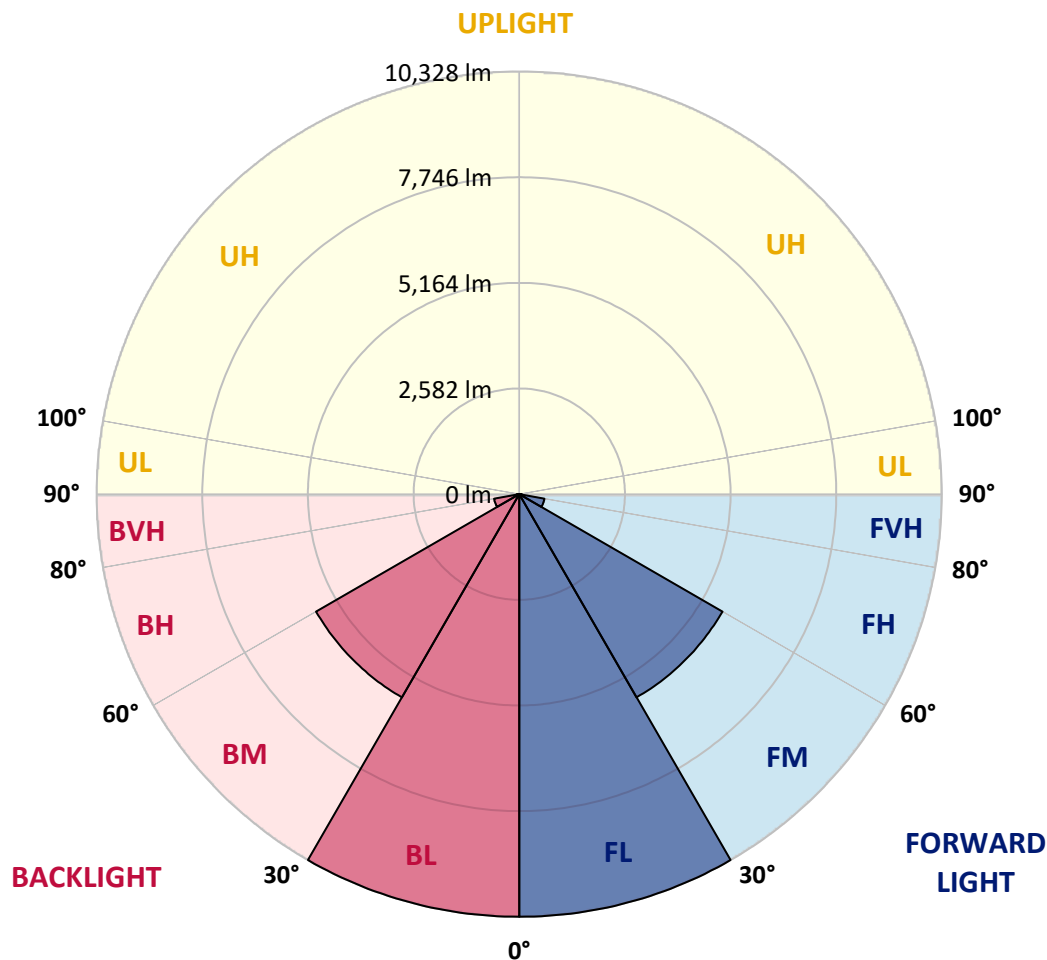
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10328.1	30.8			
FM	(30°-60°)	5735.7	17.1			
FH	(60°-80°)	625.0	1.9			G0/660
FVH	(80°-90°)	62.4	0.2			G1/100
BL	(0°-30°)	10328.1	30.8	B5		
BM	(30°-60°)	5735.7	17.1	B4/8500		
BH	(60°-80°)	625.0	1.9	B2/1000		G0/660
BVH	(80°-90°)	62.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	38349.8	38349.8	38349.8	38349.8	38349.8	38349.8	38349.8	38349.8	38349.8	38349.8
2.5°	38111.3	38106.2	38167.1	38197.6	38212.8	38283.8	38354.9	38542.7	38547.8	38659.5
5°	38060.5	38014.8	38055.4	37994.5	38009.7	38009.7	38101.1	38238.2	38288.9	38400.6
7.5°	36928.5	36918.4	36893.0	36827.0	36908.2	36852.4	37019.9	37141.7	37258.5	37314.3
10°	34816.9	34720.4	34720.4	34629.1	34710.3	34634.1	34908.2	35019.9	35217.9	35334.6
12.5°	32085.9	32045.3	32050.4	32009.8	32004.7	31898.1	32217.9	32314.4	32492.0	32664.6
15°	29172.3	29111.4	29167.2	29167.2	29121.5	29025.1	29365.2	29497.1	29756.0	29837.2
17.5°	26294.1	26268.7	26304.3	26319.5	26284.0	26192.6	26522.6	26811.9	26989.6	26989.6
20°	23654.6	23644.4	23690.1	23644.4	23608.9	23548.0	23852.5	24131.7	24289.1	24299.2
22.5°	21334.8	21390.6	21350.0	21294.2	21218.0	21172.4	21451.5	21710.4	21817.0	21923.6
25°	19299.3	19314.5	19345.0	19258.7	19167.3	19111.5	19319.6	19537.9	19705.4	19766.3
27.5°	17624.2	17680.0	17603.9	17471.9	17421.1	17355.1	17502.3	17659.7	17781.5	17867.8
30°	15994.7	16025.2	16040.4	15903.4	15781.6	15685.1	15806.9	15944.0	15989.7	16065.8
32.5°	14431.3	14482.1	14532.8	14365.3	14279.0	14187.7	14248.6	14334.9	14360.2	14365.3
35°	12873.0	12837.4	12791.7	12730.8	12664.8	12553.2	12614.1	12644.5	12664.8	12664.8
37.5°	10989.7	11020.2	11030.3	10913.6	10883.1	10807.0	10847.6	10852.7	10893.3	10918.7
40°	8314.6	8421.2	8350.2	8279.1	8289.2	8197.9	8182.7	8162.3	8253.7	8289.2
42.5°	4522.8	4705.5	4517.7	4578.6	4532.9	4482.2	4467.0	4492.3	4375.6	4279.1
45°	2274.1	2263.9	2304.5	2304.5	2345.2	2360.4	2324.8	2294.4	2279.2	2238.6
47.5°	1832.5	1802.0	1796.9	1822.3	1852.8	1873.1	1842.6	1827.4	1822.3	1847.7
50°	1573.6	1527.9	1512.7	1548.2	1573.6	1593.9	1568.5	1568.5	1563.4	1604.0
52.5°	1370.5	1324.9	1324.9	1395.9	1416.2	1436.5	1421.3	1421.3	1421.3	1467.0
55°	1213.2	1177.7	1137.0	1228.4	1294.4	1314.7	1304.6	1299.5	1304.6	1355.3
57.5°	1091.4	1071.1	1045.7	1066.0	1167.5	1192.9	1187.8	1187.8	1198.0	1238.6
60°	974.6	964.5	954.3	954.3	1035.5	1081.2	1076.1	1076.1	1086.3	1111.7
62.5°	868.0	857.9	847.7	857.9	888.3	959.4	959.4	964.5	979.7	989.8
65°	761.4	756.3	756.3	761.4	771.6	827.4	847.7	862.9	878.2	883.2
67.5°	659.9	654.8	659.9	670.0	670.0	695.4	741.1	756.3	771.6	771.6
70°	533.0	558.4	573.6	578.7	588.8	593.9	634.5	665.0	680.2	659.9
72.5°	289.3	329.9	497.5	512.7	517.8	522.8	553.3	588.8	599.0	390.9
75°	208.1	208.1	416.2	441.6	446.7	446.7	472.1	507.6	517.8	299.5
77.5°	137.1	132.0	289.3	319.8	365.5	294.4	385.8	426.4	436.5	248.7
80°	106.6	101.5	223.3	248.7	253.8	203.0	314.7	345.2	350.2	203.0
82.5°	81.2	76.1	162.4	182.7	198.0	132.0	223.3	264.0	274.1	177.7
85°	45.7	45.7	81.2	76.1	116.7	86.3	126.9	132.0	177.7	111.7
87.5°	15.2	20.3	35.5	35.5	40.6	35.5	50.8	50.8	55.8	40.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

38349.8
38695.0
38420.9
37405.7
35461.5
32781.4
29948.9
27055.5
24355.1
21984.5
19806.9
17893.2
16081.0
14426.2
12725.7
11025.3
8334.9
4324.8
2274.1
1868.0
1654.8
1517.7
1385.8
1269.0
1132.0
1005.1
893.4
771.6
583.7
335.0
294.4
243.7
182.7
182.7
106.6
30.5
0.0