

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: P524395

Luminaire Tested: **IFLD-S-SA6C-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524395
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29704.2 lumens
Efficiency: N/A
Efficacy: 92.4 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): 321.5
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

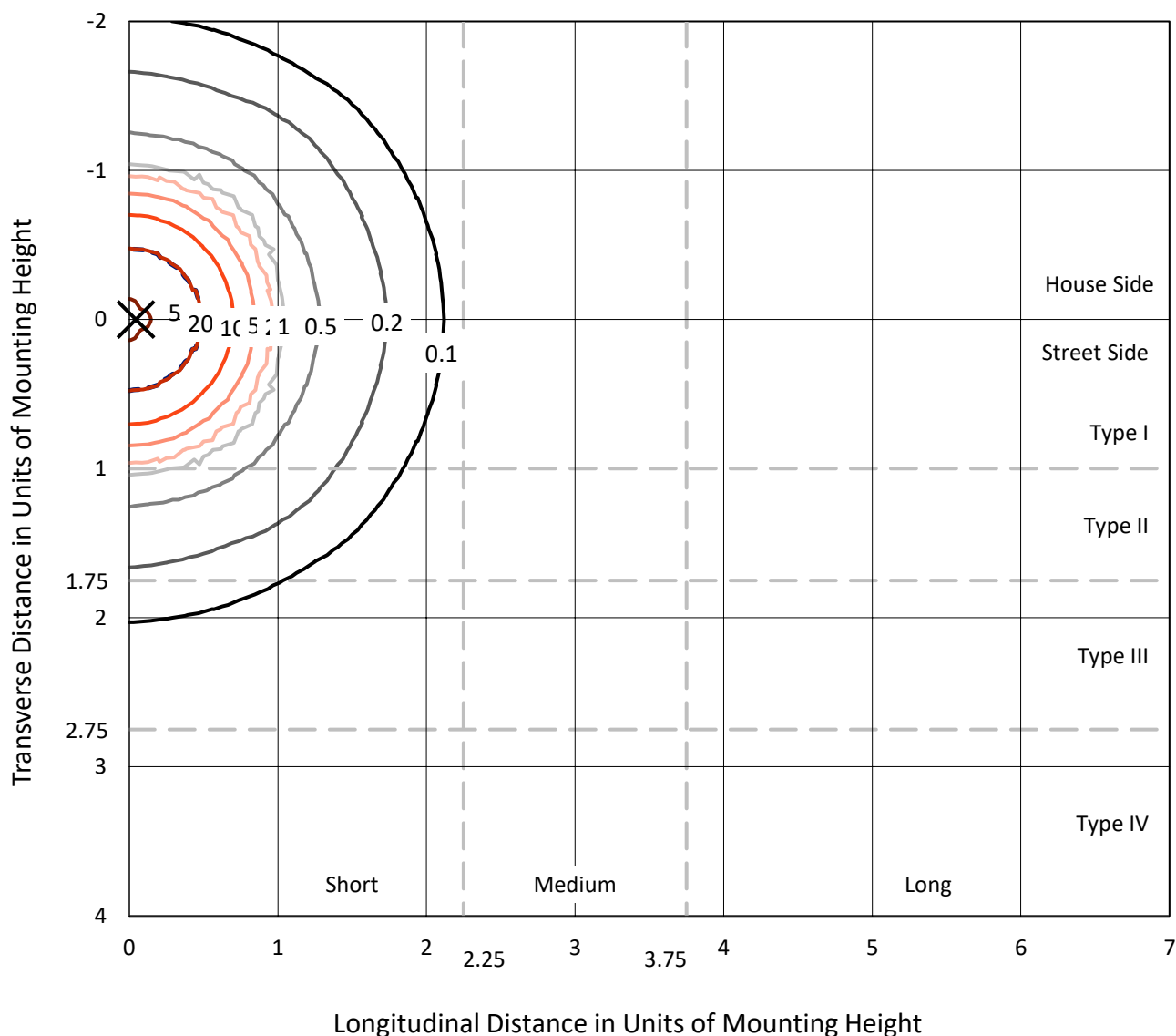
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

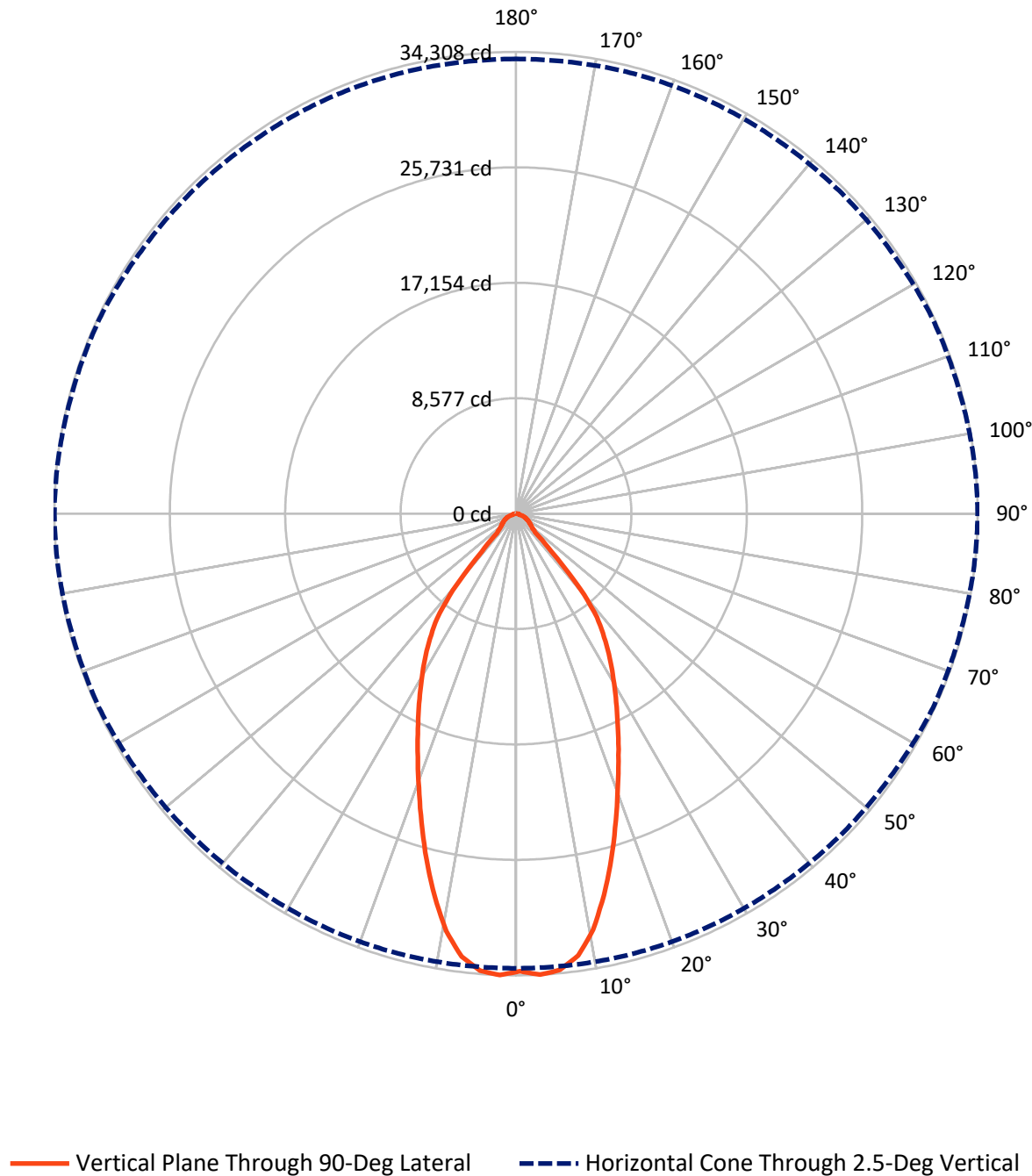


Based on 25 foot mounting height. Maximum calculated value = 54.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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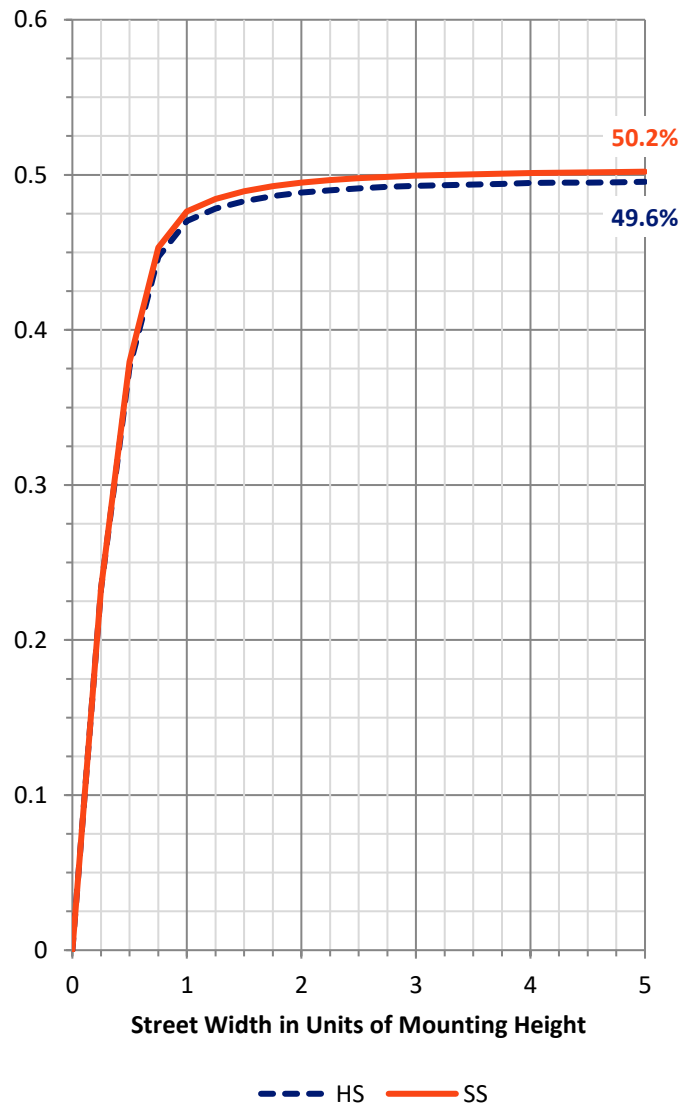
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14852.1	0.0	14852.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14852.1	0.0	14852.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	29704.2	0.0	29704.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3134.5	10.6
10°-20°	7235.7	24.4
20°-30°	7944.2	26.7
30°-40°	6888.2	23.2
40°-50°	2266.5	7.6
50°-60°	1016.2	3.4
60°-70°	718.3	2.4
70°-80°	390.0	1.3
80°-90°	110.6	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°	29704.2	100.0
0°-180°	29704.2	100.0

Coefficient of Utilization



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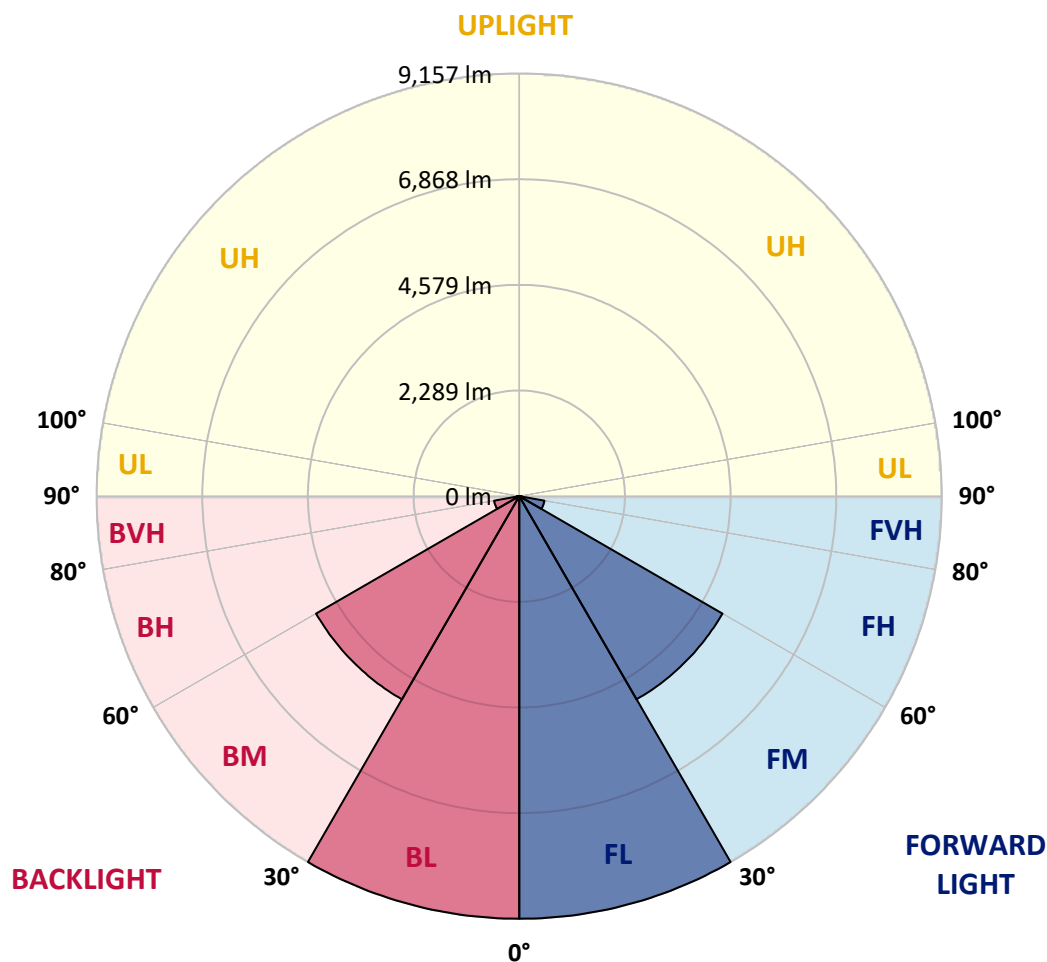
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9157.2	30.8			
FM	(30°-60°)	5085.5	17.1			
FH	(60°-80°)	554.1	1.9			G0/660
FVH	(80°-90°)	55.3	0.2			G1/100
BL	(0°-30°)	9157.2	30.8	B5		
BM	(30°-60°)	5085.5	17.1	B4/8500		
BH	(60°-80°)	554.1	1.9	B2/1000		G0/660
BVH	(80°-90°)	55.3	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°	34002.0	34002.0	34002.0	34002.0	34002.0	34002.0	34002.0	34002.0	34002.0	34002.0
2.5°	33790.5	33786.0	33840.0	33867.0	33880.5	33943.5	34006.5	34173.0	34177.5	34276.6
5°	33745.5	33705.0	33741.0	33687.0	33700.5	33700.5	33781.5	33903.0	33948.0	34047.0
7.5°	32741.9	32732.9	32710.4	32651.8	32723.9	32674.3	32822.9	32930.9	33034.4	33083.9
10°	30869.6	30784.1	30784.1	30703.1	30775.1	30707.6	30950.6	31049.6	31225.2	31328.7
12.5°	28448.3	28412.3	28416.8	28380.8	28376.3	28281.8	28565.3	28650.8	28808.3	28961.4
15°	25864.9	25810.9	25860.4	25860.4	25819.9	25734.4	26036.0	26153.0	26382.5	26454.5
17.5°	23313.1	23290.6	23322.1	23335.6	23304.1	23223.1	23515.6	23772.2	23929.7	23929.7
20°	20972.8	20963.8	21004.3	20963.8	20932.3	20878.3	21148.3	21395.8	21535.4	21544.4
22.5°	18916.0	18965.5	18929.5	18880.0	18812.5	18772.0	19019.5	19249.1	19343.6	19438.1
25°	17111.3	17124.8	17151.8	17075.3	16994.3	16944.8	17129.3	17322.8	17471.3	17525.3
27.5°	15626.1	15675.6	15608.1	15491.1	15446.1	15387.5	15518.1	15657.6	15765.6	15842.1
30°	14181.4	14208.4	14221.9	14100.4	13992.4	13906.8	14014.9	14136.4	14176.9	14244.4
32.5°	12795.2	12840.2	12885.2	12736.7	12660.2	12579.2	12633.2	12709.7	12732.2	12736.7
35°	11413.5	11382.0	11341.5	11287.5	11229.0	11130.0	11184.0	11211.0	11229.0	11229.0
37.5°	9743.8	9770.8	9779.8	9676.3	9649.3	9581.8	9617.8	9622.3	9658.3	9680.8
40°	7372.0	7466.5	7403.5	7340.5	7349.5	7268.5	7255.0	7237.0	7318.0	7349.5
42.5°	4010.0	4172.1	4005.5	4059.5	4019.0	3974.0	3960.5	3983.0	3879.5	3794.0
45°	2016.3	2007.3	2043.3	2043.3	2079.3	2092.8	2061.3	2034.3	2020.8	1984.8
47.5°	1624.7	1597.7	1593.2	1615.7	1642.7	1660.7	1633.7	1620.2	1615.7	1638.2
50°	1395.2	1354.7	1341.2	1372.7	1395.2	1413.2	1390.7	1390.7	1386.2	1422.2
52.5°	1215.2	1174.7	1174.7	1237.7	1255.7	1273.7	1260.2	1260.2	1260.2	1300.7
55°	1075.6	1044.1	1008.1	1089.1	1147.7	1165.7	1156.7	1152.2	1156.7	1201.7
57.5°	967.6	949.6	927.1	945.1	1035.1	1057.6	1053.1	1053.1	1062.1	1098.1
60°	864.1	855.1	846.1	846.1	918.1	958.6	954.1	954.1	963.1	985.6
62.5°	769.6	760.6	751.6	760.6	787.6	850.6	850.6	855.1	868.6	877.6
65°	675.1	670.6	670.6	675.1	684.1	733.6	751.6	765.1	778.6	783.1
67.5°	585.1	580.6	585.1	594.1	594.1	616.6	657.1	670.6	684.1	684.1
70°	472.6	495.1	508.6	513.1	522.1	526.6	562.6	589.6	603.1	585.1
72.5°	256.5	292.5	441.1	454.6	459.1	463.6	490.6	522.1	531.1	346.5
75°	184.5	184.5	369.0	391.6	396.1	396.1	418.6	450.1	459.1	265.5
77.5°	121.5	117.0	256.5	283.5	324.0	261.0	342.0	378.1	387.1	220.5
80°	94.5	90.0	198.0	220.5	225.0	180.0	279.0	306.0	310.5	180.0
82.5°	72.0	67.5	144.0	162.0	175.5	117.0	198.0	234.0	243.0	157.5
85°	40.5	40.5	72.0	67.5	103.5	76.5	112.5	117.0	157.5	99.0
87.5°	13.5	18.0	31.5	31.5	36.0	31.5	45.0	45.0	49.5	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

34002.0
34308.1
34065.0
33164.9
31441.2
29064.9
26553.5
23988.2
21593.9
19492.1
17561.3
15864.6
14257.9
12790.7
11283.0
9775.3
7390.0
3834.5
2016.3
1656.2
1467.2
1345.7
1228.7
1125.1
1003.6
891.1
792.1
684.1
517.6
297.0
261.0
216.0
162.0
162.0
94.5
27.0
0.0

OF REPORT)