

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: P524409

Luminaire Tested: **IFLD-L-SA8B-940-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524409
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28619.9 lumens
Efficiency: N/A
Efficacy: 89.4 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): 320
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

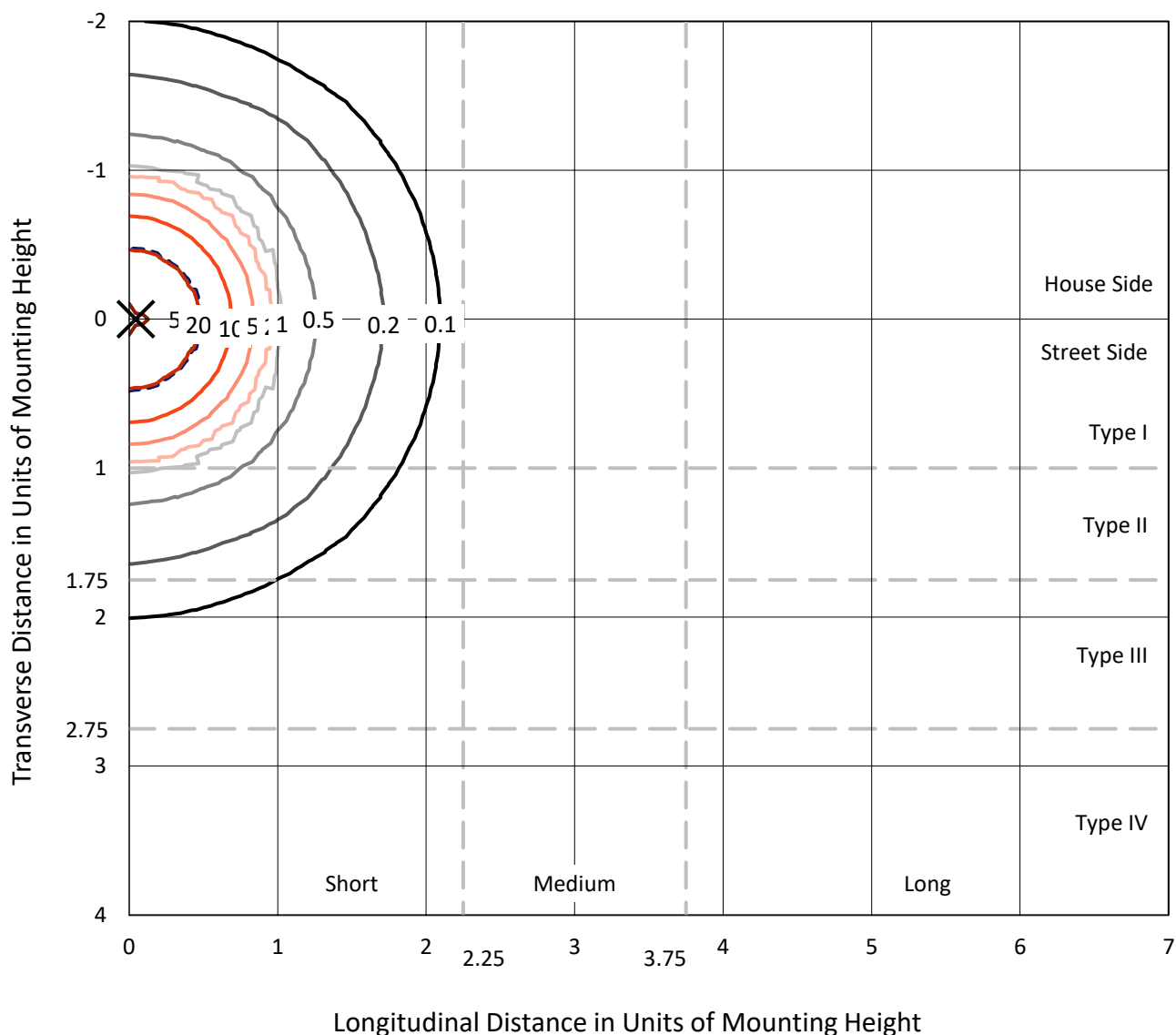
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

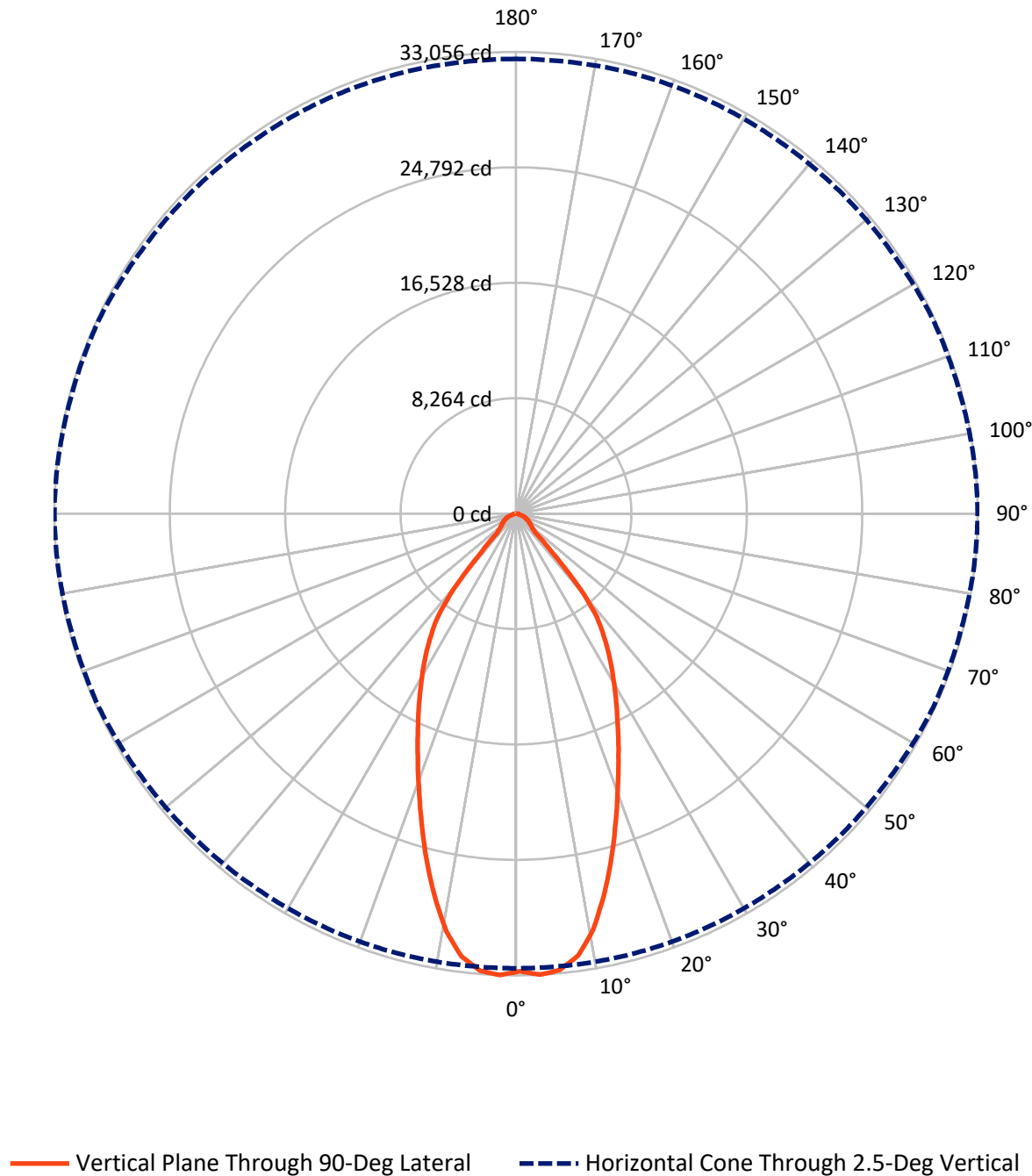


Based on 25 foot mounting height. Maximum calculated value = 52.4 fc

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	14309.9	0.0	14309.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14309.9	0.0	14309.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	28619.9	0.0	28619.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3020.1	10.6
10°-20°	6971.6	24.4
20°-30°	7654.2	26.7
30°-40°	6636.7	23.2
40°-50°	2183.8	7.6
50°-60°	979.1	3.4
60°-70°	692.1	2.4
70°-80°	375.8	1.3
80°-90°	106.6	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°	28619.9	100.0
0°-180°	28619.9	100.0

Coefficient of Utilization



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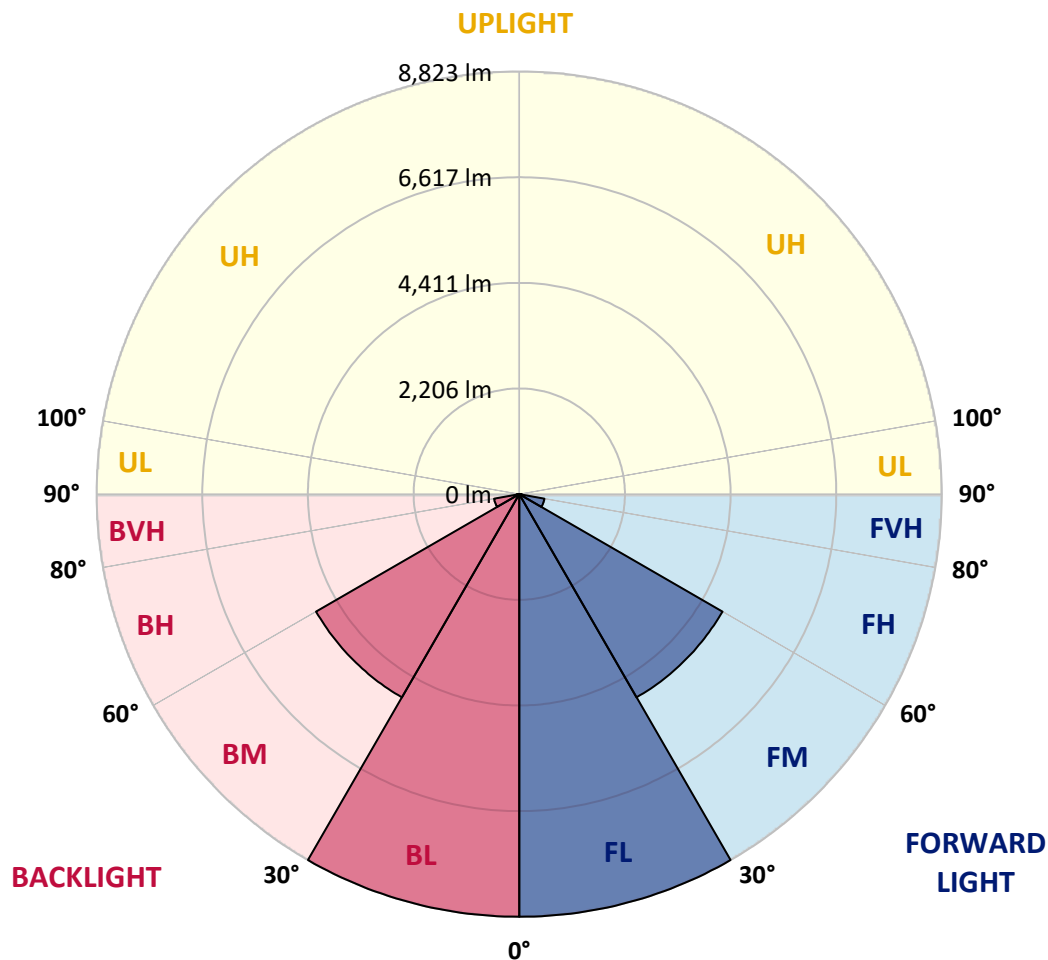
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8822.9	30.8			
FM	(30°-60°)	4899.8	17.1			
FH	(60°-80°)	533.9	1.9			G0/660
FVH	(80°-90°)	53.3	0.2			G1/100
BL	(0°-30°)	8822.9	30.8	B5		
BM	(30°-60°)	4899.8	17.1	B3/5000		
BH	(60°-80°)	533.9	1.9	B2/1000		G0/660
BVH	(80°-90°)	53.3	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°	32760.7	32760.7	32760.7	32760.7	32760.7	32760.7	32760.7	32760.7	32760.7	32760.7
2.5°	32556.9	32552.6	32604.6	32630.6	32643.7	32704.4	32765.1	32925.5	32929.8	33025.2
5°	32513.6	32474.5	32509.2	32457.2	32470.2	32470.2	32548.3	32665.3	32708.7	32804.1
7.5°	31546.6	31537.9	31516.2	31459.8	31529.2	31481.5	31624.6	31728.7	31828.4	31876.1
10°	29742.7	29660.3	29660.3	29582.2	29651.6	29586.6	29820.7	29916.1	30085.2	30185.0
12.5°	27409.7	27375.1	27379.4	27344.7	27340.4	27249.3	27522.5	27604.9	27756.6	27904.1
15°	24920.7	24868.7	24916.4	24916.4	24877.3	24795.0	25085.5	25198.2	25419.4	25488.8
17.5°	22462.0	22440.3	22470.7	22483.7	22453.4	22375.3	22657.2	22904.3	23056.1	23056.1
20°	20207.2	20198.5	20237.5	20198.5	20168.1	20116.1	20376.3	20614.8	20749.2	20757.9
22.5°	18225.5	18273.2	18238.5	18190.8	18125.7	18086.7	18325.2	18546.3	18637.4	18728.5
25°	16486.6	16499.6	16525.6	16451.9	16373.9	16326.2	16504.0	16690.4	16833.5	16885.5
27.5°	15055.6	15103.3	15038.3	14925.5	14882.2	14825.8	14951.6	15086.0	15190.1	15263.8
30°	13663.7	13689.7	13702.7	13585.6	13481.6	13399.2	13503.2	13620.3	13659.3	13724.4
32.5°	12328.1	12371.5	12414.8	12271.7	12198.0	12120.0	12172.0	12245.7	12267.4	12271.7
35°	10996.9	10966.5	10927.5	10875.4	10819.1	10723.7	10775.7	10801.7	10819.1	10819.1
37.5°	9388.1	9414.1	9422.8	9323.0	9297.0	9232.0	9266.7	9271.0	9305.7	9327.4
40°	7102.9	7193.9	7133.2	7072.5	7081.2	7003.1	6990.1	6972.8	7050.8	7081.2
42.5°	3863.6	4019.7	3859.3	3911.3	3872.3	3829.0	3815.9	3837.6	3737.9	3655.5
45°	1942.7	1934.0	1968.7	1968.7	2003.4	2016.4	1986.0	1960.0	1947.0	1912.3
47.5°	1565.4	1539.4	1535.0	1556.7	1582.7	1600.1	1574.1	1561.1	1556.7	1578.4
50°	1344.3	1305.2	1292.2	1322.6	1344.3	1361.6	1339.9	1339.9	1335.6	1370.3
52.5°	1170.8	1131.8	1131.8	1192.5	1209.8	1227.2	1214.2	1214.2	1214.2	1253.2
55°	1036.4	1006.0	971.3	1049.4	1105.8	1123.1	1114.4	1110.1	1114.4	1157.8
57.5°	932.3	915.0	893.3	910.6	997.3	1019.0	1014.7	1014.7	1023.4	1058.1
60°	832.6	823.9	815.2	815.2	884.6	923.6	919.3	919.3	928.0	949.6
62.5°	741.5	732.8	724.2	732.8	758.9	819.6	819.6	823.9	836.9	845.6
65°	650.4	646.1	646.1	650.4	659.1	706.8	724.2	737.2	750.2	754.5
67.5°	563.7	559.4	563.7	572.4	572.4	594.1	633.1	646.1	659.1	659.1
70°	455.3	477.0	490.0	494.3	503.0	507.3	542.0	568.1	581.1	563.7
72.5°	247.2	281.9	425.0	438.0	442.3	446.6	472.7	503.0	511.7	333.9
75°	177.8	177.8	355.6	377.3	381.6	381.6	403.3	433.6	442.3	255.8
77.5°	117.1	112.7	247.2	273.2	312.2	251.5	329.6	364.2	372.9	212.5
80°	91.1	86.7	190.8	212.5	216.8	173.5	268.9	294.9	299.2	173.5
82.5°	69.4	65.0	138.8	156.1	169.1	112.7	190.8	225.5	234.2	151.8
85°	39.0	39.0	69.4	65.0	99.7	73.7	108.4	112.7	151.8	95.4
87.5°	13.0	17.3	30.4	30.4	34.7	30.4	43.4	43.4	47.7	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

32760.7
33055.6
32821.4
31954.2
30293.4
28003.8
25584.2
23112.5
20805.6
18780.5
16920.2
15285.5
13737.4
12323.8
10871.1
9418.4
7120.2
3694.5
1942.7
1595.8
1413.6
1296.6
1183.8
1084.1
967.0
858.6
763.2
659.1
498.7
286.2
251.5
208.1
156.1
156.1
91.1
26.0
0.0