

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: P525357

Luminaire Tested: **IFLD-S-SA3E-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525357
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

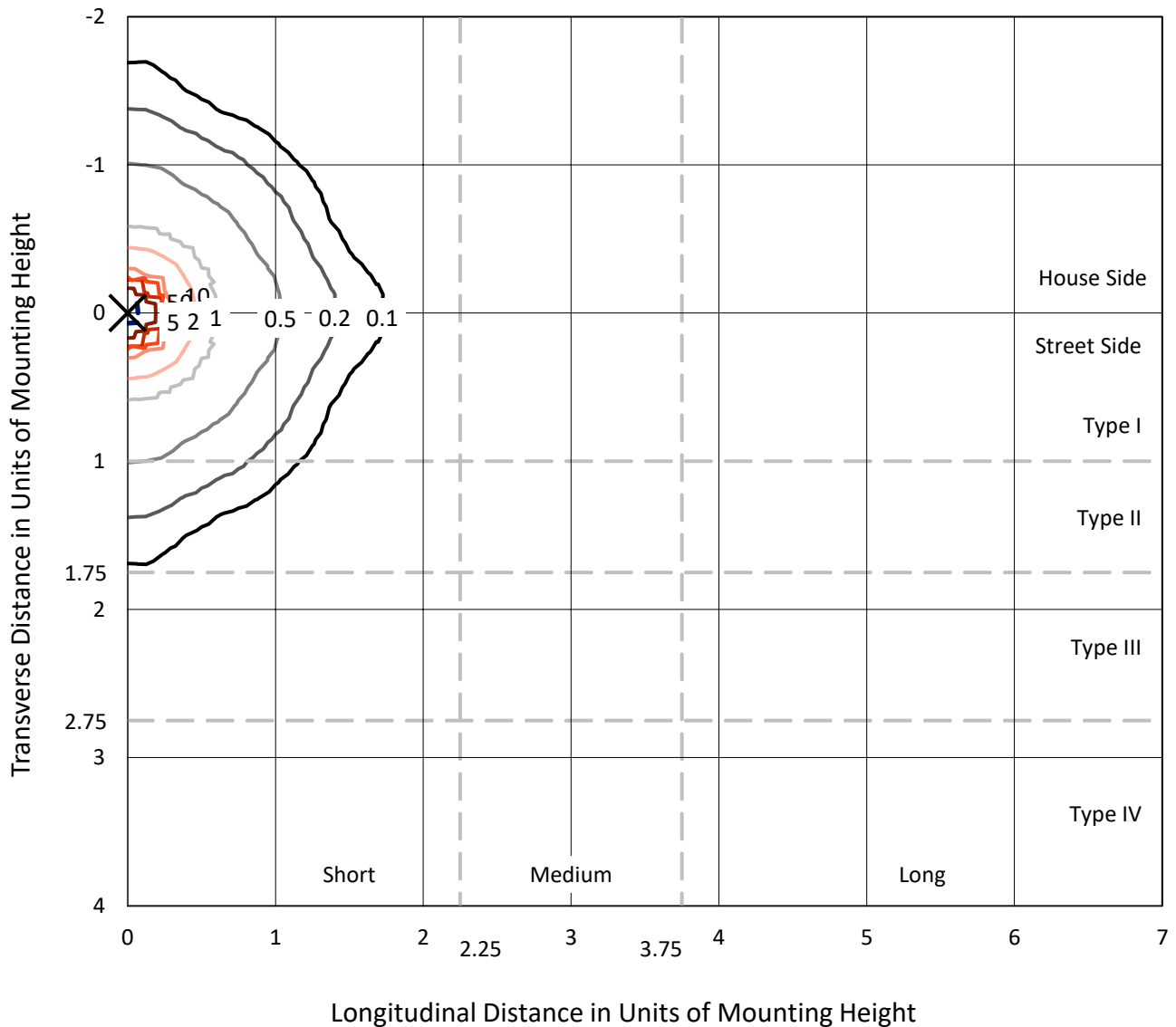
Lumens per Lamp: N/A
Luminaire Lumens: 11247.6 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 232.1
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

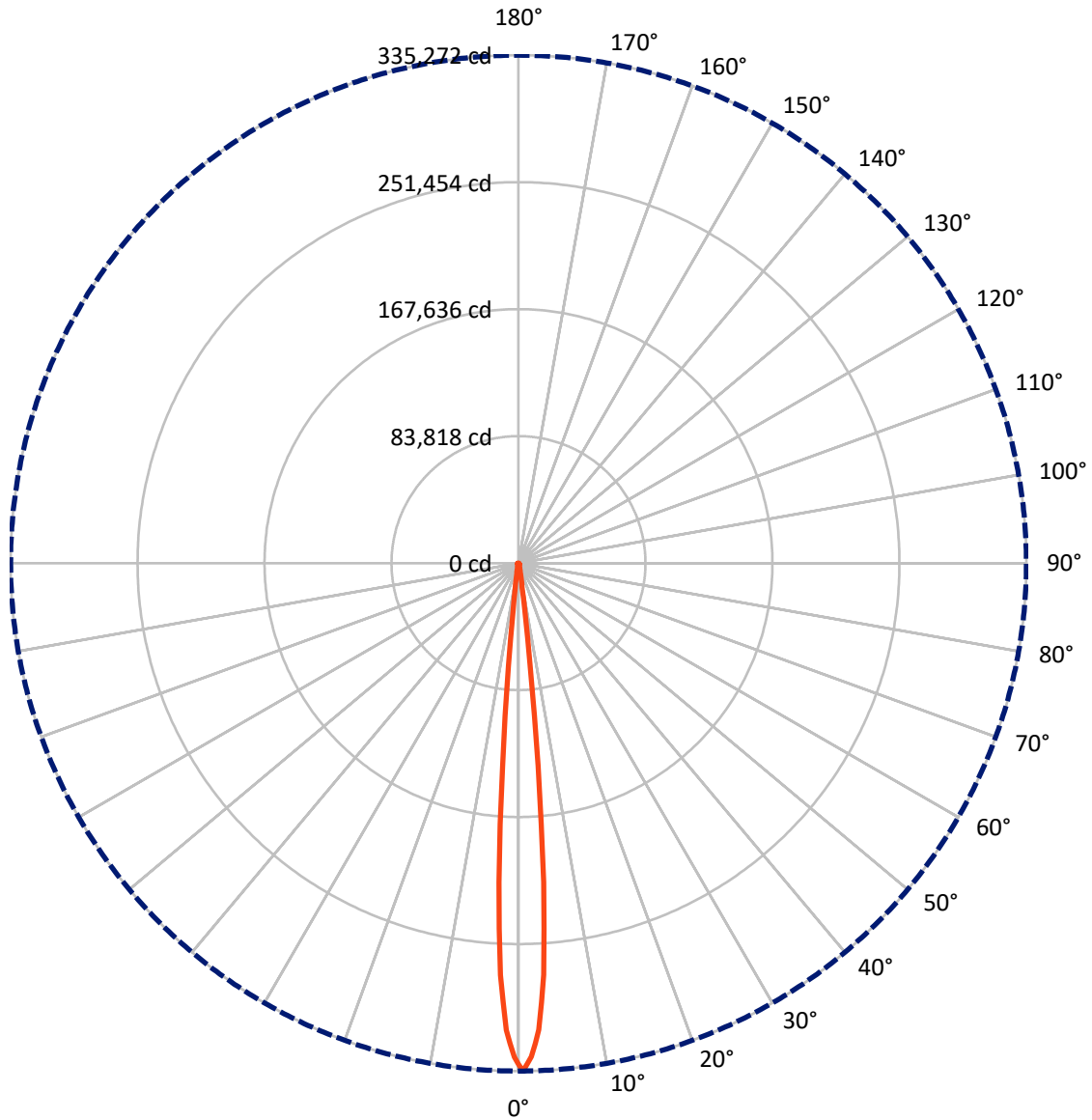
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 838.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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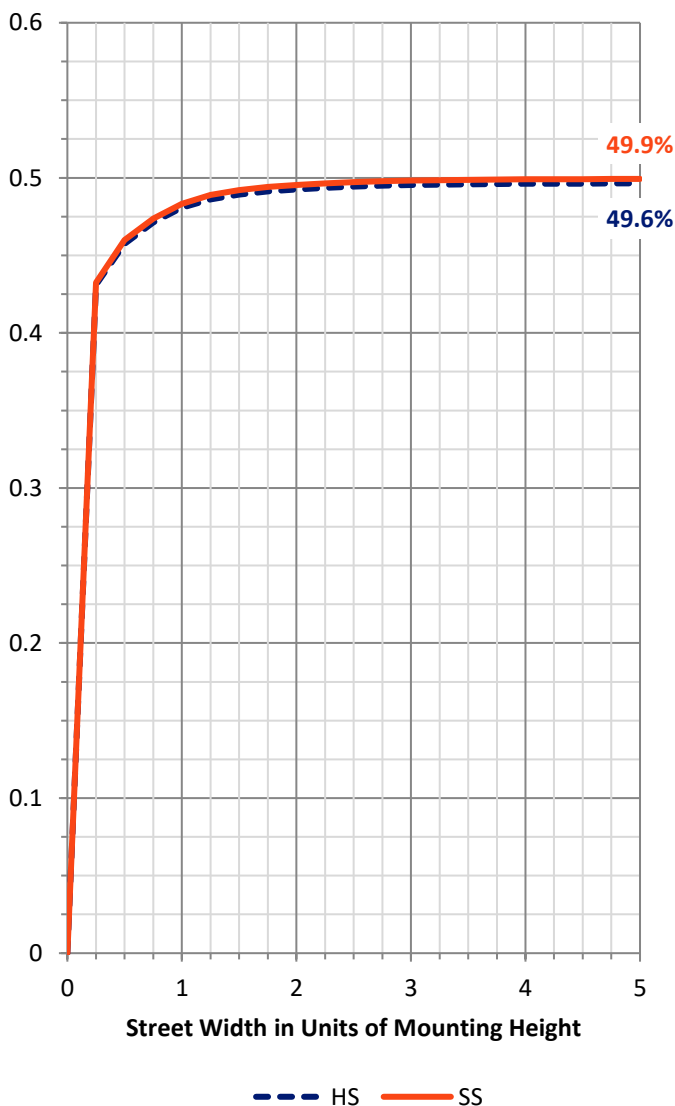
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5623.8	0.0	5623.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5623.8	0.0	5623.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11247.6	0.0	11247.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8638.1	76.8
10°-20°	842.5	7.5
20°-30°	450.1	4.0
30°-40°	371.2	3.3
40°-50°	413.4	3.7
50°-60°	278.0	2.5
60°-70°	177.4	1.6
70°-80°	70.0	0.6
80°-90°	6.9	0.1
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°	11247.6	100.0
0°-180°	11247.6	100.0

Coefficient of Utilization



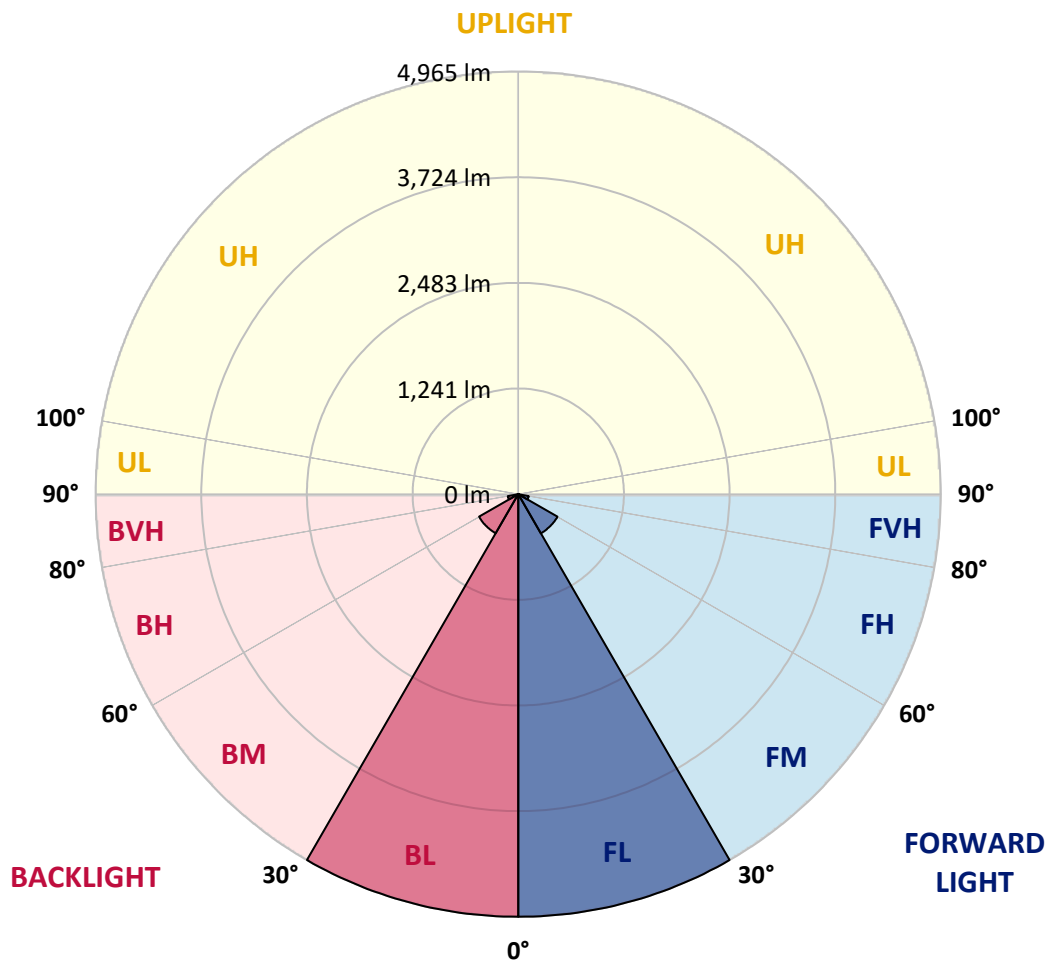
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4965.4	44.1			
FM (30°-60°)	531.3	4.7			
FH (60°-80°)	123.7	1.1			G0/660
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	4965.4	44.1	B4/5000		
BM (30°-60°)	531.3	4.7	B1/1000		
BH (60°-80°)	123.7	1.1	B1/500		G0/660
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	335271.7	335271.7	335271.7	335271.7	335271.7	335271.7	335271.7	335271.7	335271.7	335271.7
1°	325953.6	326520.5	326622.7	325947.8	324226.7	324632.9	324580.3	324670.9	324501.4	323426.1
2°	308305.0	309143.6	308261.1	306367.7	302446.4	301511.4	298387.8	294901.9	291191.0	287471.4
3°	272280.1	274045.0	272785.6	274807.6	266854.0	266050.5	259481.9	250821.2	242043.6	234931.6
4°	211108.8	214369.7	214802.2	221475.9	214942.4	216984.9	209481.3	197448.6	184317.4	174271.6
5°	134565.1	139111.7	141677.2	147936.0	150945.6	158782.3	155127.0	143050.5	127876.7	116320.4
6°	67991.1	70466.0	77358.9	84240.2	91924.9	102324.2	103732.6	93131.7	81055.2	69963.5
7°	31694.5	32717.2	37579.4	39046.2	47832.5	59114.2	60692.1	54880.3	48510.4	39914.0
8°	16377.6	16775.0	18551.5	19641.4	24766.5	31256.2	32363.6	28705.4	26099.0	21774.5
9°	10086.6	10261.9	10928.1	11173.6	13090.4	15977.3	16368.8	14837.7	14130.6	12637.5
10°	6995.2	7088.7	7401.3	7465.6	8105.5	9055.2	9090.2	8587.6	8599.3	8225.3
12.5°	3728.4	3757.6	3845.3	3854.1	3976.8	4076.1	4052.8	4055.7	4105.4	4055.7
15°	2384.3	2398.9	2451.5	2463.2	2527.5	2562.6	2545.0	2542.1	2559.6	2527.5
17.5°	1700.6	1709.3	1747.3	1779.5	1820.4	1832.1	1826.2	1820.4	1820.4	1791.2
20°	1326.6	1338.3	1364.6	1396.7	1417.2	1437.6	1440.5	1437.6	1428.8	1414.2
22.5°	1127.9	1133.7	1142.5	1157.1	1171.7	1180.5	1186.3	1189.2	1186.3	1180.5
25°	981.8	987.6	1005.2	1013.9	1013.9	1016.8	1028.5	1034.4	1037.3	1025.6
27.5°	724.6	739.3	765.6	780.2	780.2	786.0	794.8	806.5	818.1	797.7
30°	561.0	572.7	601.9	601.9	599.0	604.8	613.6	631.1	648.7	625.3
32.5°	505.5	505.5	511.3	514.3	514.3	523.0	528.9	543.5	558.1	552.3
35°	528.9	514.3	496.7	496.7	502.6	520.1	523.0	537.6	552.3	572.7
37.5°	768.5	724.6	660.4	648.7	648.7	669.1	660.4	669.1	695.4	771.4
40°	698.3	663.3	625.3	572.7	572.7	601.9	581.5	593.2	654.5	701.3
42.5°	622.4	622.4	581.5	531.8	531.8	546.4	540.6	546.4	616.5	654.5
45°	575.6	575.6	563.9	485.0	496.7	505.5	505.5	505.5	599.0	610.7
47.5°	549.3	549.3	520.1	447.1	461.7	464.6	470.4	464.6	537.6	578.5
50°	490.9	496.7	447.1	394.5	412.0	412.0	420.8	409.1	464.6	531.8
52.5°	423.7	429.5	353.6	312.6	333.1	330.2	341.9	324.3	368.2	461.7
55°	376.9	374.0	292.2	254.2	277.6	274.7	280.5	260.1	298.0	397.4
57.5°	327.3	333.1	239.6	207.5	233.8	227.9	236.7	213.3	245.4	353.6
60°	289.3	298.0	204.5	175.3	201.6	195.8	204.5	178.2	210.4	318.5
62.5°	277.6	277.6	181.2	149.0	175.3	169.5	175.3	149.0	187.0	292.2
65°	330.2	312.6	163.6	122.7	149.0	143.2	149.0	122.7	163.6	280.5
67.5°	438.3	417.8	154.9	96.4	119.8	111.0	119.8	99.3	143.2	263.0
70°	227.9	242.5	154.9	76.0	90.6	90.6	87.7	76.0	119.8	192.8
72.5°	131.5	134.4	119.8	58.4	70.1	76.0	67.2	58.4	87.7	143.2
75°	73.0	81.8	76.0	43.8	52.6	58.4	49.7	43.8	61.4	102.3
77.5°	43.8	49.7	43.8	29.2	35.1	32.1	35.1	29.2	40.9	67.2
80°	23.4	23.4	23.4	17.5	17.5	20.5	20.5	17.5	23.4	35.1
82.5°	8.8	8.8	8.8	5.8	8.8	8.8	8.8	11.7	11.7	14.6
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
335271.7
324486.8
289613.2
237628.5
176600.4
117801.8
70793.3
40954.2
22361.8
12961.8
8397.7
4111.2
2550.9
1799.9
1417.2
1183.4
1025.6
794.8
619.5
552.3
584.4
809.4
745.1
657.4
607.8
569.8
526.0
450.0
391.5
344.8
309.7
289.3
280.5
260.1
189.9
140.3
90.6
49.7
29.2
14.6
2.9
2.9
0.0

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