

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: P524199

Luminaire Tested: **IFLD-S-SA6B-940-U-66**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524199
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

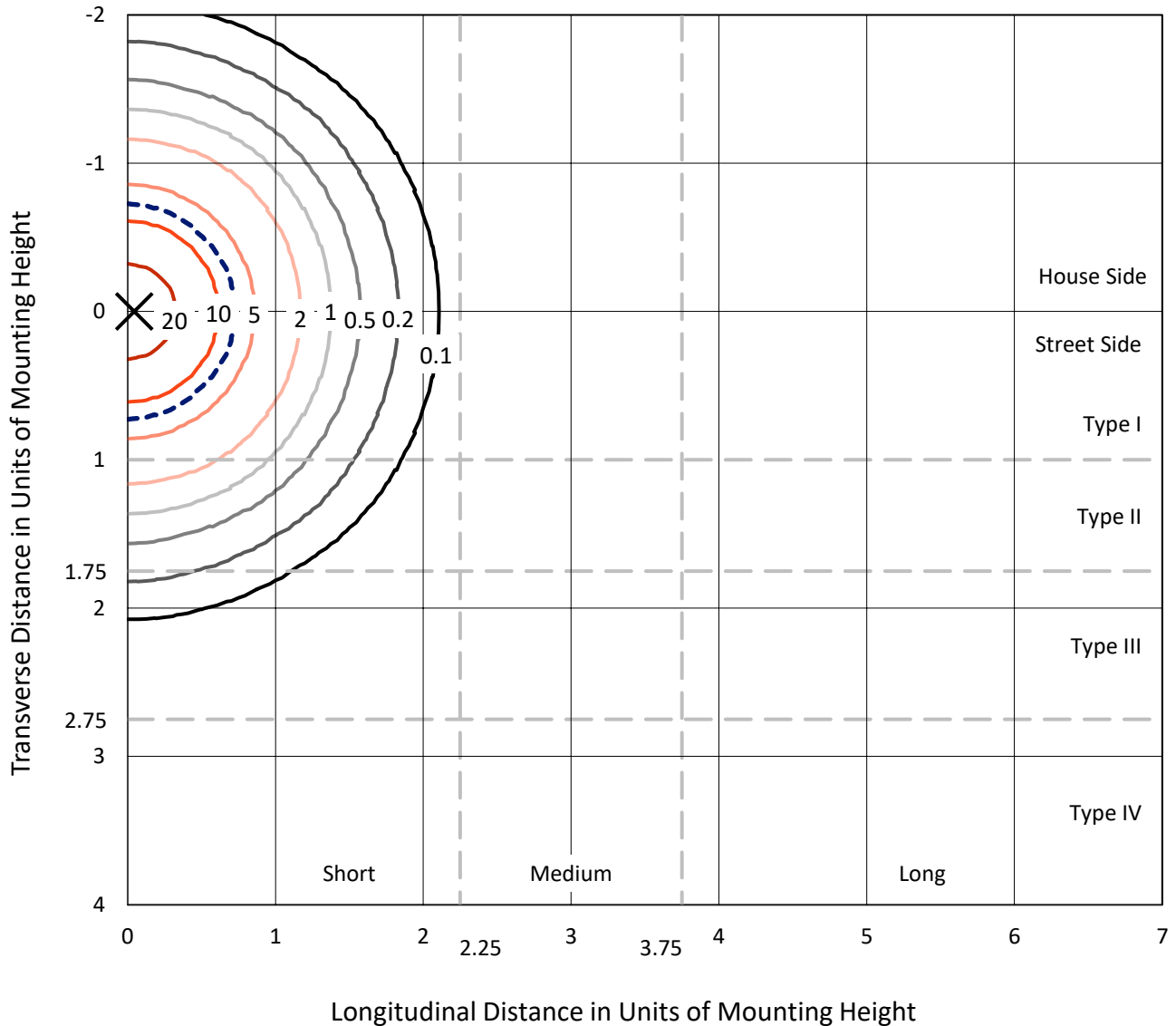
Lumens per Lamp: N/A
Luminaire Lumens: 25026.3 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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

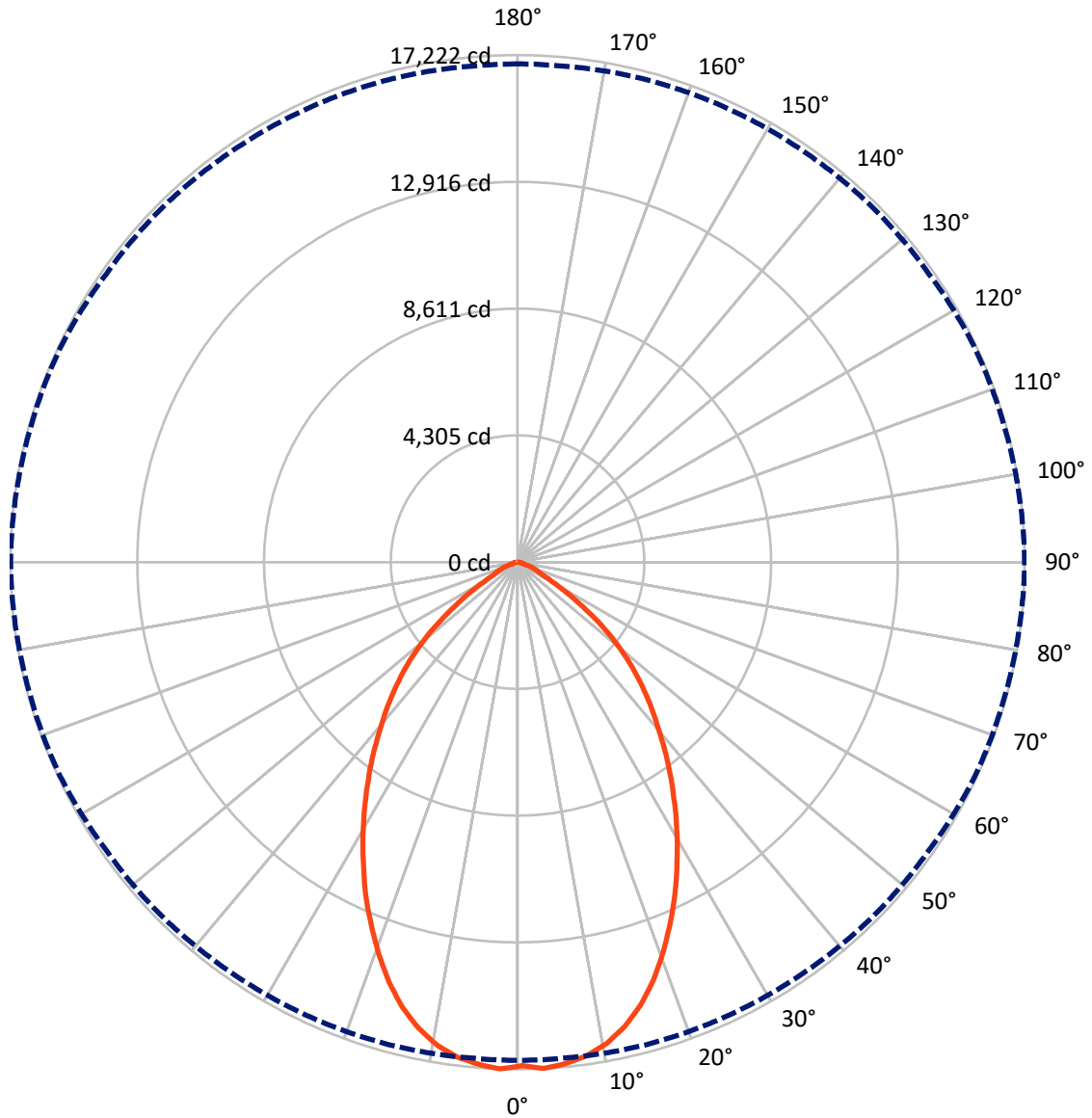
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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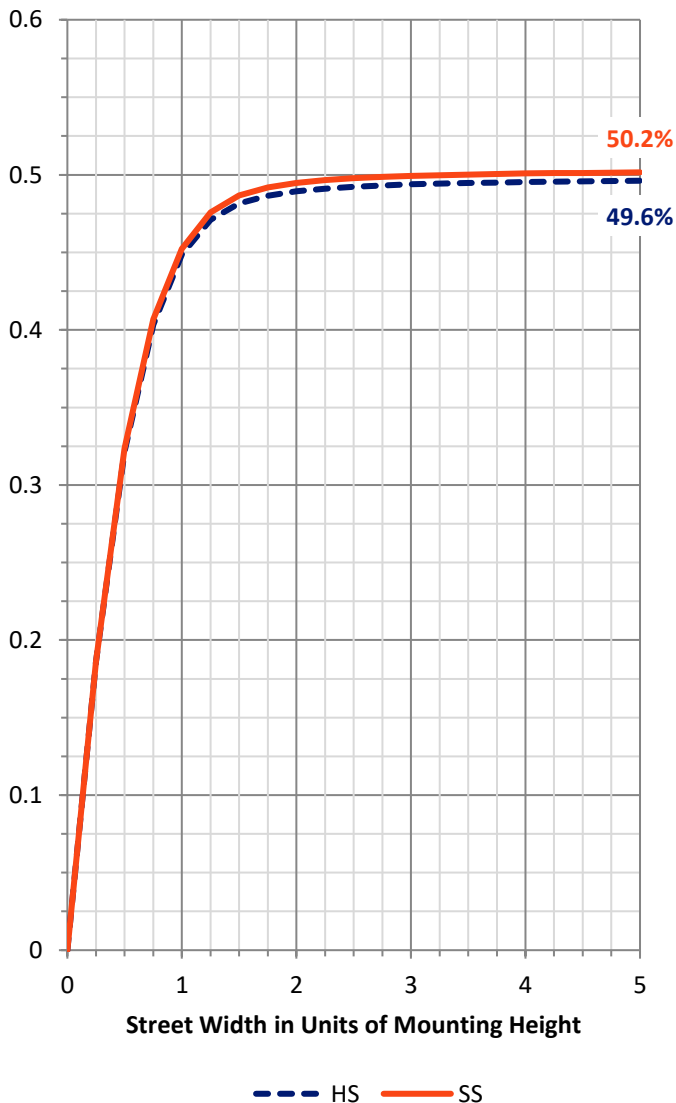
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12513.1	0.0	12513.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12513.1	0.0	12513.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25026.3	0.0	25026.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1605.9	6.4
10°-20°	4315.0	17.2
20°-30°	5582.7	22.3
30°-40°	5505.9	22.0
40°-50°	4454.5	17.8
50°-60°	2425.4	9.7
60°-70°	768.5	3.1
70°-80°	297.3	1.2
80°-90°	71.1	0.3
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°	25026.3	100.0
0°-180°	25026.3	100.0



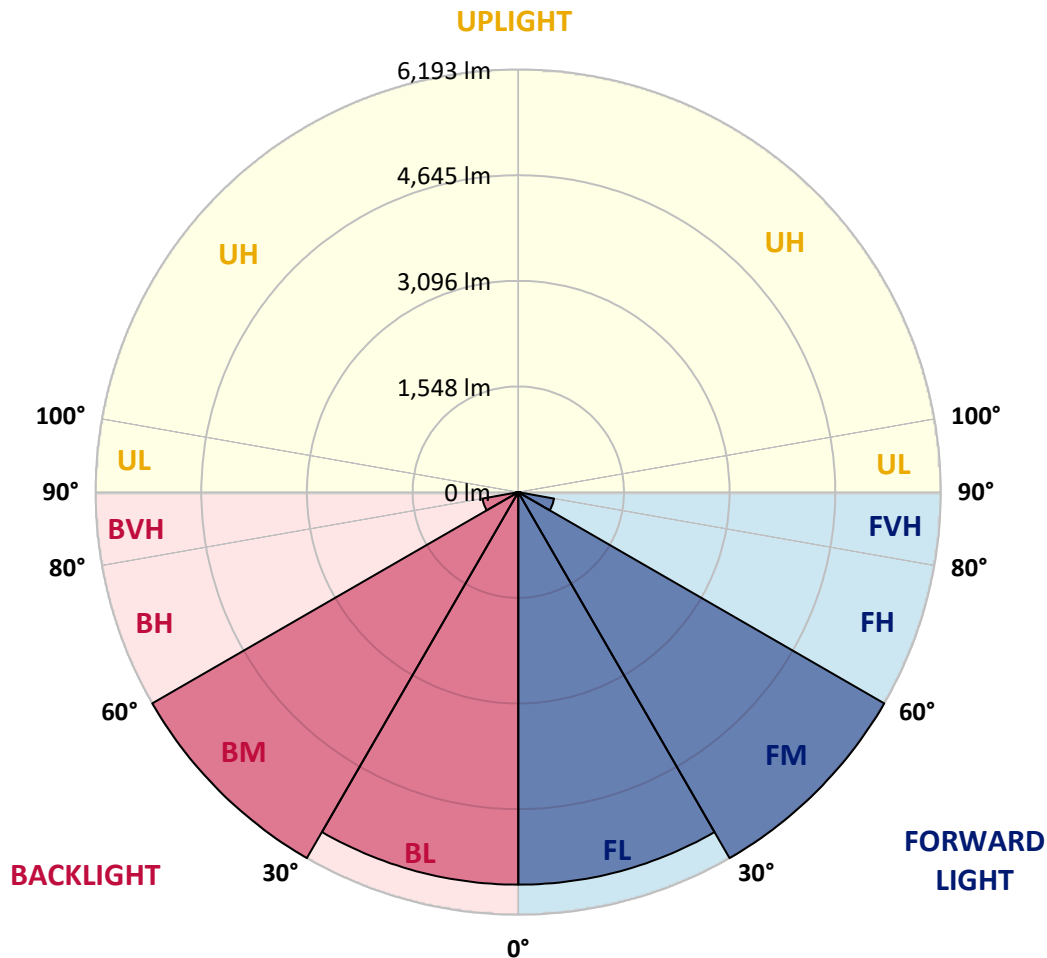
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5751.8	23.0			
FM (30°-60°)	6192.9	24.7			
FH (60°-80°)	532.9	2.1			G0/660
FVH (80°-90°)	35.5	0.1			G1/100
BL (0°-30°)	5751.8	23.0	B5		
BM (30°-60°)	6192.9	24.7	B4/8500		
BH (60°-80°)	532.9	2.1	B2/1000		G0/660
BVH (80°-90°)	35.5	0.1			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°	90°
0°	17106.1	17106.1	17106.1	17106.1	17106.1	17106.1	17106.1	17106.1	17106.1	17106.1	17106.1
2.5°	16921.7	16918.1	16961.5	16979.6	17001.3	17044.7	17059.1	17153.1	17164.0	17200.1	17221.8
5°	16892.8	16878.3	16921.7	16929.0	16954.3	16961.5	16983.2	17048.3	17041.0	17095.3	17106.1
7.5°	16737.3	16719.2	16755.4	16762.6	16798.8	16787.9	16824.1	16871.1	16871.1	16910.9	16929.0
10°	16390.2	16386.6	16422.8	16426.4	16477.0	16466.1	16524.0	16534.8	16563.8	16592.7	16625.2
12.5°	15974.4	15927.4	15974.4	15956.3	16025.0	15985.2	16064.8	16090.1	16104.6	16155.2	16180.5
15°	15439.3	15381.4	15414.0	15395.9	15439.3	15388.6	15471.8	15522.4	15540.5	15591.1	15616.4
17.5°	14723.3	14676.3	14683.6	14658.3	14687.2	14647.4	14727.0	14806.5	14831.8	14886.1	14922.2
20°	13823.0	13823.0	13826.6	13804.9	13830.3	13790.5	13841.1	13964.0	13989.4	14061.7	14123.1
22.5°	12944.4	12944.4	12955.2	12926.3	12933.6	12915.5	12969.7	13089.0	13128.8	13204.7	13280.7
25°	12101.9	12087.5	12094.7	12069.4	12040.5	12047.7	12112.8	12188.7	12275.5	12373.1	12431.0
27.5°	11299.2	11317.3	11273.9	11255.8	11234.1	11194.4	11270.3	11364.3	11425.8	11505.3	11534.3
30°	10442.3	10478.5	10445.9	10431.5	10377.2	10326.6	10406.1	10500.1	10561.6	10637.5	10670.1
32.5°	9679.4	9668.5	9639.6	9607.1	9552.8	9513.0	9545.6	9654.1	9701.1	9780.6	9791.5
35°	8862.2	8855.0	8836.9	8771.8	8753.7	8706.7	8735.7	8829.7	8865.8	8912.8	8949.0
37.5°	8063.1	8037.8	8030.6	8005.3	7972.7	7961.9	7961.9	8012.5	8048.7	8095.7	8131.8
40°	7271.3	7278.5	7256.8	7235.1	7224.3	7209.8	7213.4	7242.4	7271.3	7293.0	7314.7
42.5°	6555.4	6515.6	6501.1	6479.4	6490.3	6508.4	6468.6	6512.0	6548.1	6548.1	6595.1
45°	5734.6	5752.7	5759.9	5796.1	5796.1	5778.0	5763.5	5785.2	5821.4	5817.7	5864.8
47.5°	5018.7	4997.0	5015.1	5069.3	5116.3	5123.5	5080.1	5091.0	5101.8	5083.7	5127.1
50°	4234.0	4241.3	4237.7	4320.8	4414.8	4382.3	4349.8	4360.6	4357.0	4357.0	4364.2
52.5°	3380.7	3398.8	3377.1	3496.4	3597.7	3572.4	3550.7	3550.7	3568.7	3565.1	3561.5
55°	2603.3	2596.1	2549.1	2607.0	2697.4	2701.0	2668.4	2682.9	2701.0	2719.0	2715.4
57.5°	1938.0	1916.3	1851.3	1854.9	1956.1	1981.4	1952.5	1948.9	1970.6	1977.8	2017.6
60°	1305.3	1301.7	1243.8	1240.2	1280.0	1348.7	1316.1	1316.1	1323.4	1334.2	1345.1
62.5°	893.1	900.3	878.6	875.0	882.2	940.1	936.5	932.9	929.2	943.7	940.1
65°	701.5	705.1	697.8	697.8	701.5	726.8	752.1	755.7	759.3	762.9	759.3
67.5°	564.1	567.7	560.4	567.7	567.7	571.3	607.4	621.9	625.5	625.5	621.9
70°	433.9	448.4	455.6	455.6	455.6	455.6	480.9	499.0	495.4	473.7	452.0
72.5°	216.9	264.0	365.2	368.8	365.2	361.6	376.0	394.1	390.5	274.8	206.1
75°	144.6	155.5	285.6	300.1	296.5	282.0	296.5	318.2	311.0	177.2	169.9
77.5°	83.2	90.4	191.6	220.6	238.6	206.1	235.0	256.7	245.9	144.6	141.0
80°	65.1	61.5	137.4	169.9	162.7	130.2	191.6	206.1	188.0	108.5	97.6
82.5°	39.8	39.8	90.4	130.2	119.3	75.9	133.8	159.1	141.0	79.5	72.3
85°	21.7	25.3	43.4	65.1	68.7	50.6	72.3	86.8	86.8	50.6	50.6
87.5°	10.8	10.8	14.5	14.5	18.1	21.7	21.7	25.3	18.1	14.5	14.5
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)