

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: P524161

Luminaire Tested: **IFLD-S-SA6C-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524161
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

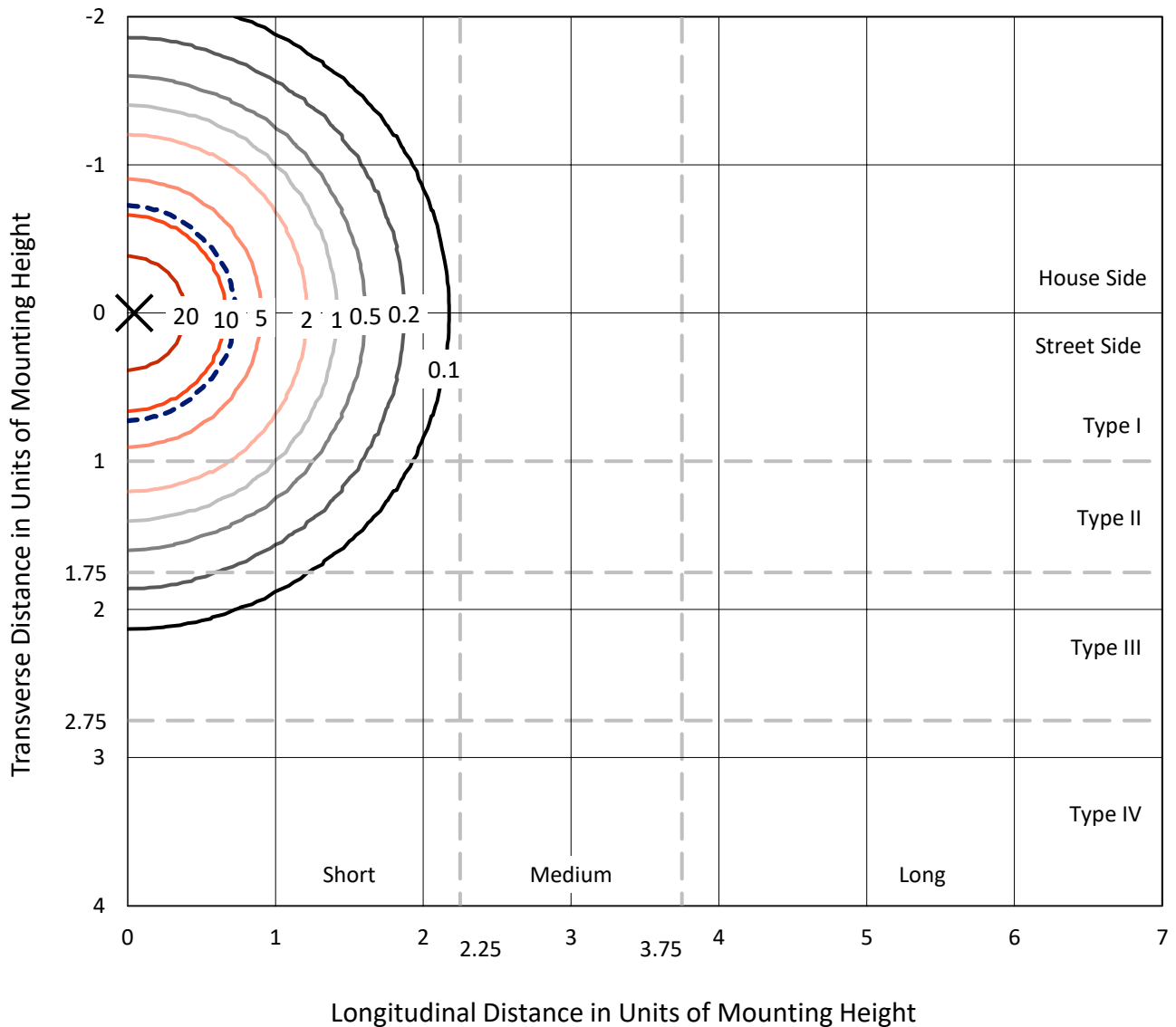
Lumens per Lamp: N/A
Luminaire Lumens: 28626.8 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

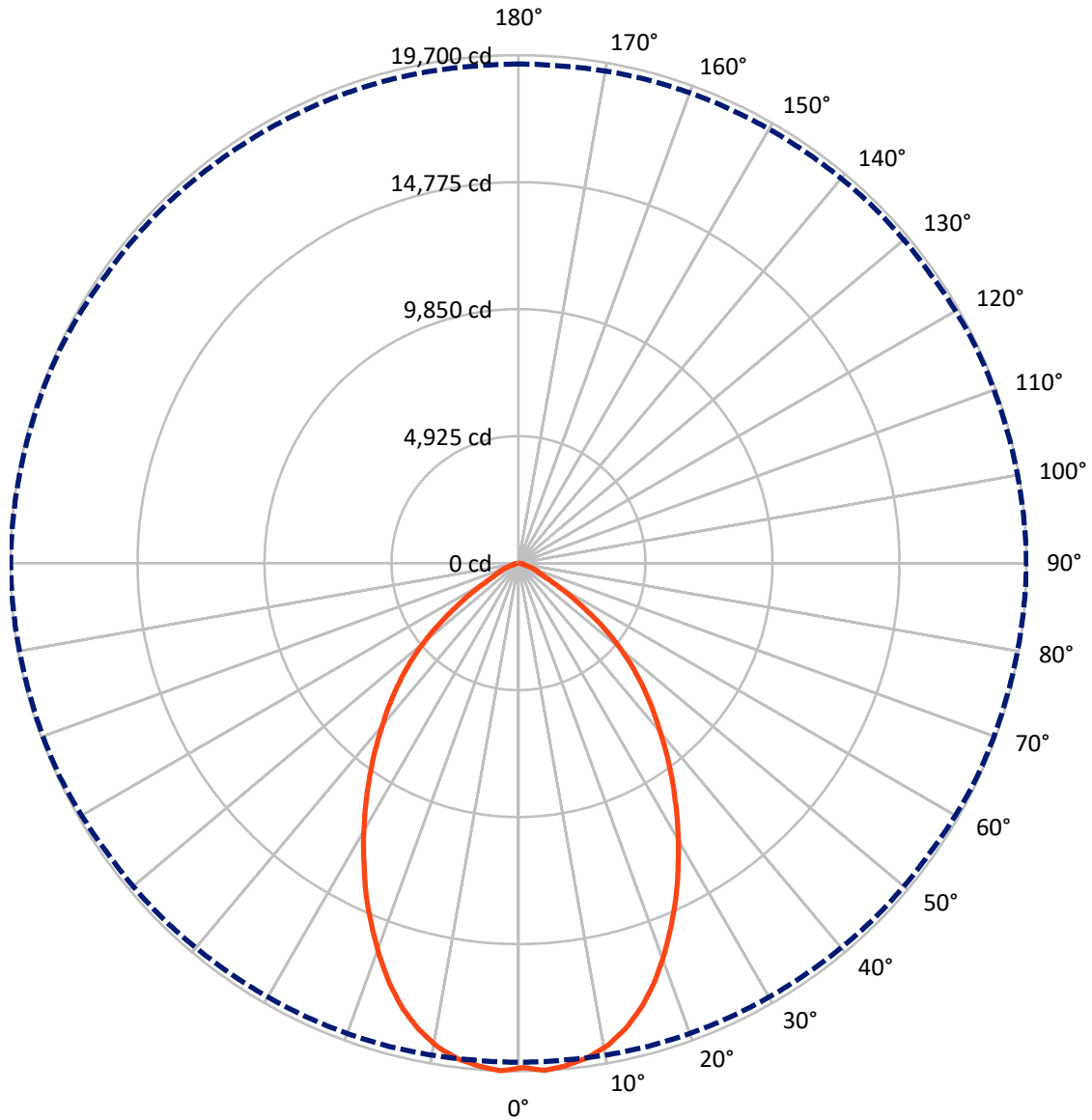
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31.3 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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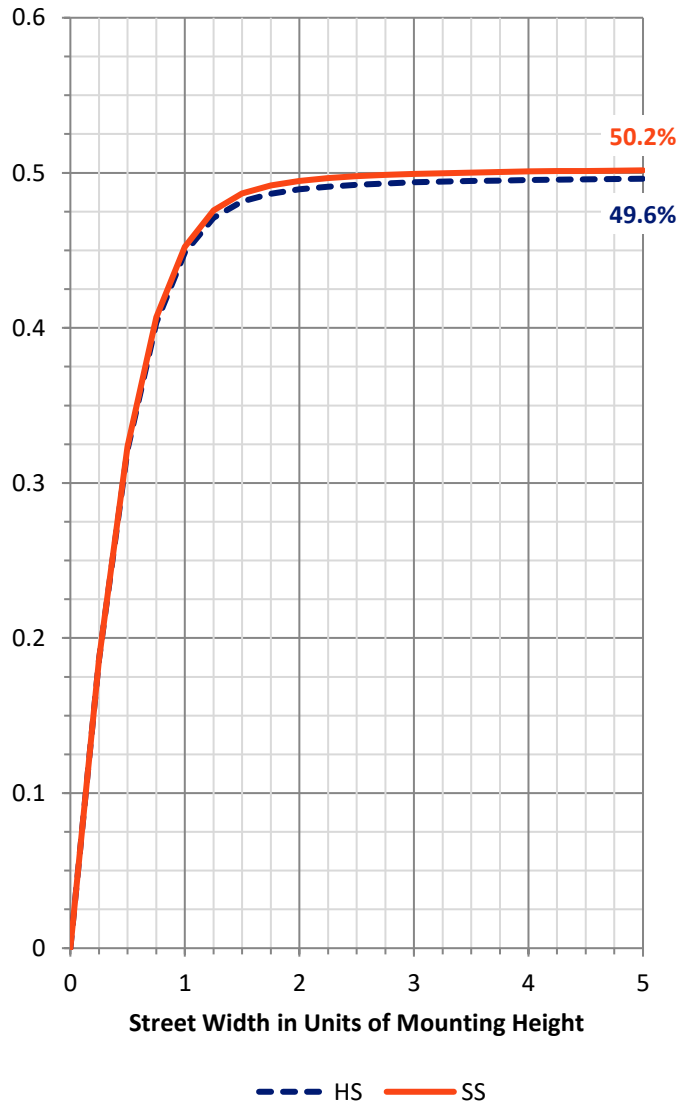
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14313.4	0.0	14313.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14313.4	0.0	14313.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	28626.8	0.0	28626.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1836.9	6.4
10°-20°	4935.8	17.2
20°-30°	6385.9	22.3
30°-40°	6298.1	22.0
40°-50°	5095.4	17.8
50°-60°	2774.3	9.7
60°-70°	879.0	3.1
70°-80°	340.1	1.2
80°-90°	81.3	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°	28626.8	100.0
0°-180°	28626.8	100.0

Coefficient of Utilization



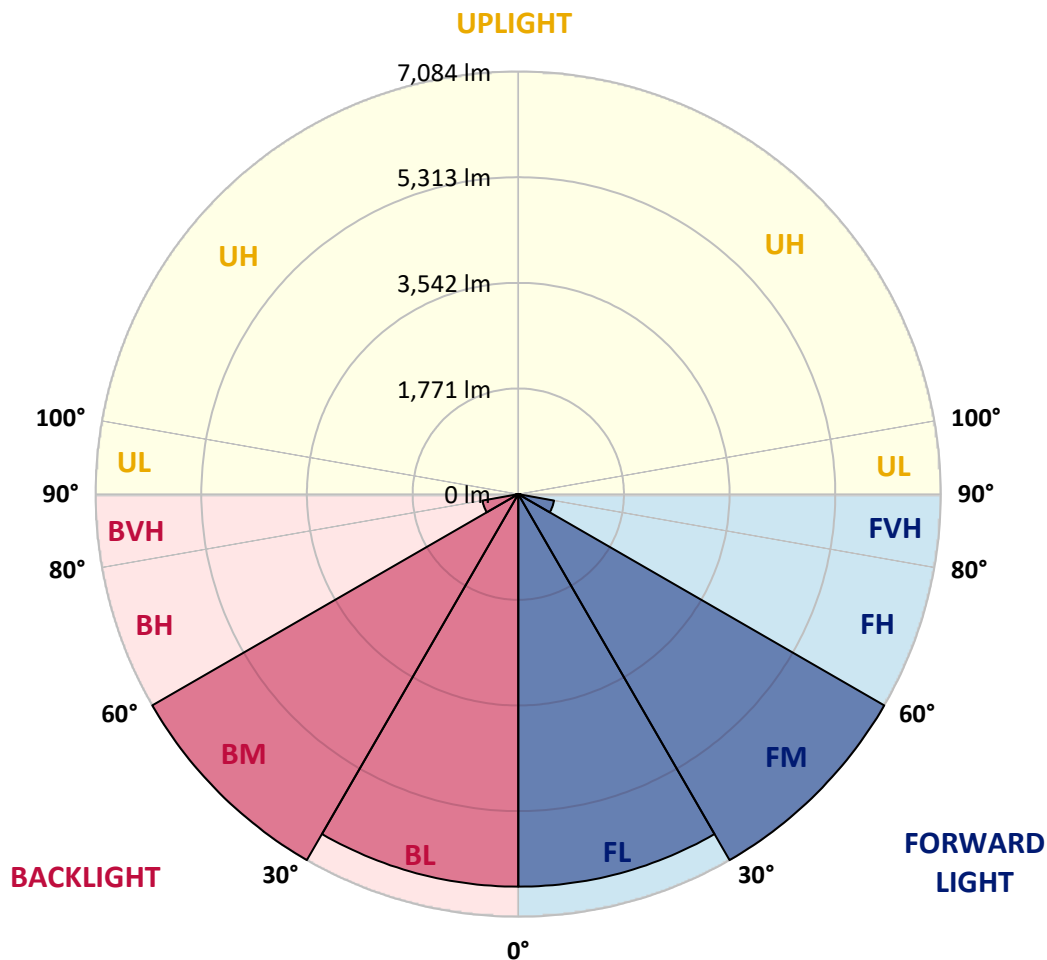
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6579.3	23.0			
FM (30°-60°)	7083.9	24.7			
FH (60°-80°)	609.6	2.1			G0/660
FVH (80°-90°)	40.6	0.1			G1/100
BL (0°-30°)	6579.3	23.0	B5		
BM (30°-60°)	7083.9	24.7	B4/8500		
BH (60°-80°)	609.6	2.1	B2/1000		G0/660
BVH (80°-90°)	40.6	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°	19567.2	19567.2	19567.2	19567.2	19567.2	19567.2	19567.2	19567.2	19567.2	19567.2	19567.2
2.5°	19356.2	19352.1	19401.7	19422.4	19447.2	19496.9	19513.4	19620.9	19633.3	19674.7	19699.5
5°	19323.1	19306.6	19356.2	19364.5	19393.5	19401.7	19426.5	19501.0	19492.7	19554.8	19567.2
7.5°	19145.3	19124.6	19166.0	19174.3	19215.6	19203.2	19244.6	19298.3	19298.3	19343.8	19364.5
10°	18748.3	18744.1	18785.5	18789.6	18847.5	18835.1	18901.3	18913.7	18946.8	18979.9	19017.1
12.5°	18272.6	18218.9	18272.6	18251.9	18330.5	18285.0	18376.0	18405.0	18421.5	18479.4	18508.4
15°	17660.5	17594.3	17631.5	17610.9	17660.5	17602.6	17697.7	17755.6	17776.3	17834.2	17863.2
17.5°	16841.6	16787.8	16796.1	16767.1	16800.2	16754.7	16845.7	16936.7	16965.7	17027.7	17069.1
20°	15811.7	15811.7	15815.9	15791.0	15820.0	15774.5	15832.4	15973.0	16002.0	16084.7	16155.0
22.5°	14806.7	14806.7	14819.1	14786.0	14794.3	14773.6	14835.6	14972.1	15017.6	15104.5	15191.3
25°	13843.0	13826.5	13834.7	13805.8	13772.7	13781.0	13855.4	13942.3	14041.5	14153.2	14219.4
27.5°	12924.8	12945.5	12895.9	12875.2	12850.4	12804.9	12891.7	12999.3	13069.6	13160.6	13193.7
30°	11944.6	11986.0	11948.8	11932.2	11870.2	11812.3	11903.3	12010.8	12081.1	12168.0	12205.2
32.5°	11071.9	11059.5	11026.4	10989.2	10927.2	10881.7	10918.9	11043.0	11096.7	11187.7	11200.1
35°	10137.2	10128.9	10108.3	10033.8	10013.1	9959.4	9992.4	10100.0	10141.3	10195.1	10236.5
37.5°	9223.2	9194.2	9185.9	9157.0	9119.8	9107.4	9107.4	9165.3	9206.6	9260.4	9301.7
40°	8317.4	8325.7	8300.8	8276.0	8263.6	8247.1	8251.2	8284.3	8317.4	8342.2	8367.0
42.5°	7498.5	7453.0	7436.4	7411.6	7424.0	7444.7	7399.2	7448.8	7490.2	7490.2	7544.0
45°	6559.6	6580.3	6588.6	6629.9	6629.9	6609.2	6592.7	6617.5	6658.9	6654.7	6708.5
47.5°	5740.7	5715.9	5736.6	5798.6	5852.4	5860.6	5811.0	5823.4	5835.8	5815.1	5864.8
50°	4843.2	4851.5	4847.3	4942.5	5050.0	5012.8	4975.5	4988.0	4983.8	4983.8	4992.1
52.5°	3867.1	3887.8	3863.0	3999.5	4115.3	4086.3	4061.5	4061.5	4082.2	4078.0	4073.9
55°	2977.9	2969.6	2915.8	2982.0	3085.4	3089.6	3052.3	3068.9	3089.6	3110.2	3106.1
57.5°	2216.9	2192.1	2117.6	2121.7	2237.5	2266.5	2233.4	2229.3	2254.1	2262.4	2307.9
60°	1493.1	1488.9	1422.8	1418.6	1464.1	1542.7	1505.5	1505.5	1513.8	1526.2	1538.6
62.5°	1021.6	1029.9	1005.0	1000.9	1009.2	1075.3	1071.2	1067.1	1062.9	1079.5	1075.3
65°	802.4	806.5	798.2	798.2	802.4	831.3	860.3	864.4	868.5	872.7	868.5
67.5°	645.2	649.3	641.1	649.3	649.3	653.5	694.8	711.4	715.5	715.5	711.4
70°	496.3	512.9	521.1	521.1	521.1	521.1	550.1	570.8	566.6	541.8	517.0
72.5°	248.2	301.9	417.7	421.9	417.7	413.6	430.1	450.8	446.7	314.3	235.7
75°	165.4	177.8	326.7	343.3	339.1	322.6	339.1	364.0	355.7	202.7	194.4
77.5°	95.1	103.4	219.2	252.3	273.0	235.7	268.8	293.7	281.2	165.4	161.3
80°	74.4	70.3	157.2	194.4	186.1	148.9	219.2	235.7	215.1	124.1	111.7
82.5°	45.5	45.5	103.4	148.9	136.5	86.9	153.0	182.0	161.3	91.0	82.7
85°	24.8	29.0	49.6	74.4	78.6	57.9	82.7	99.3	99.3	57.9	57.9
87.5°	12.4	12.4	16.5	16.5	20.7	24.8	24.8	29.0	20.7	16.5	16.5
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)