

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: P525375

Luminaire Tested: **IFLD-M-SA4C-940-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525375
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-940-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

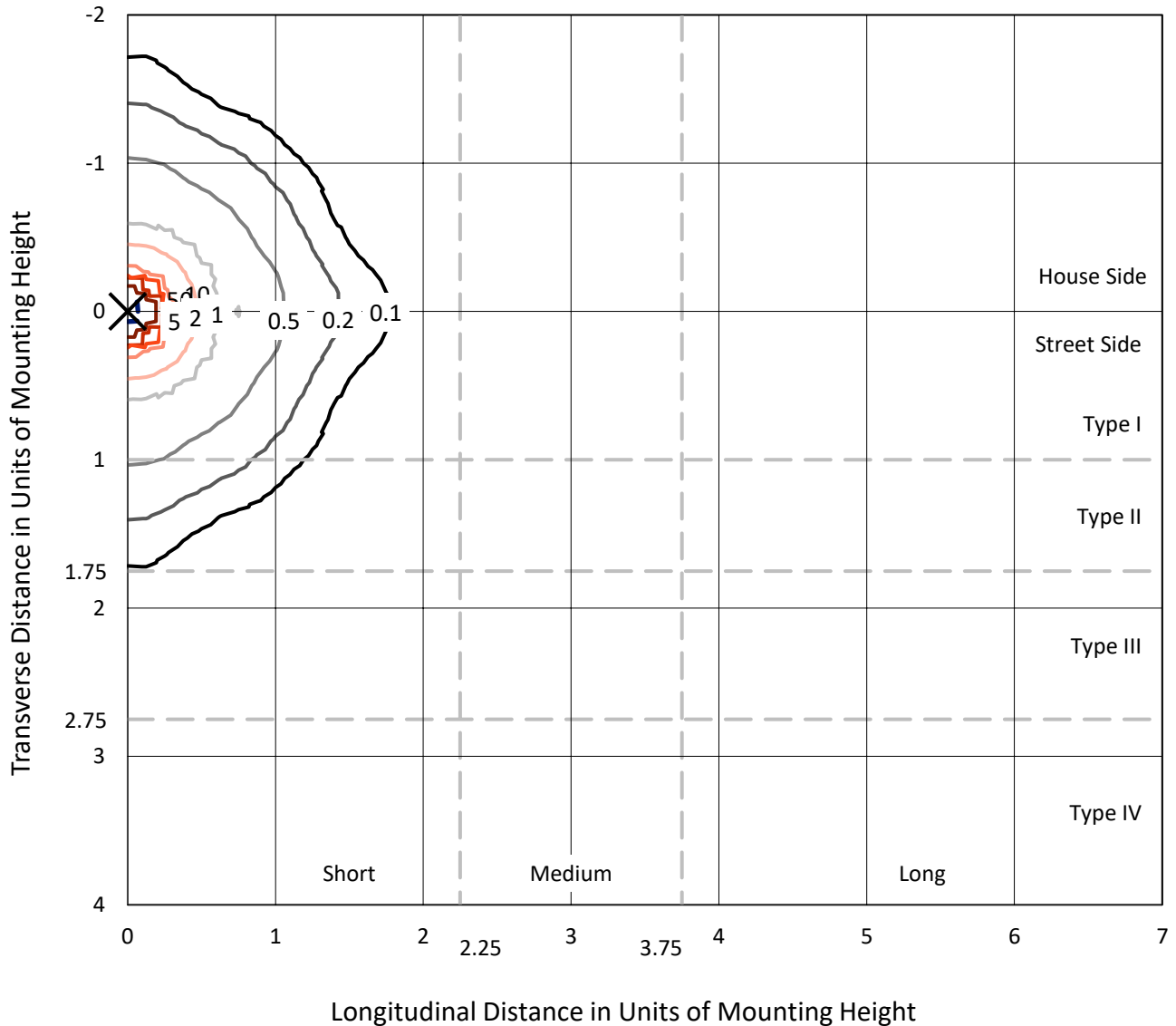
Lumens per Lamp: N/A
Luminaire Lumens: 11855.7 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 218.1
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

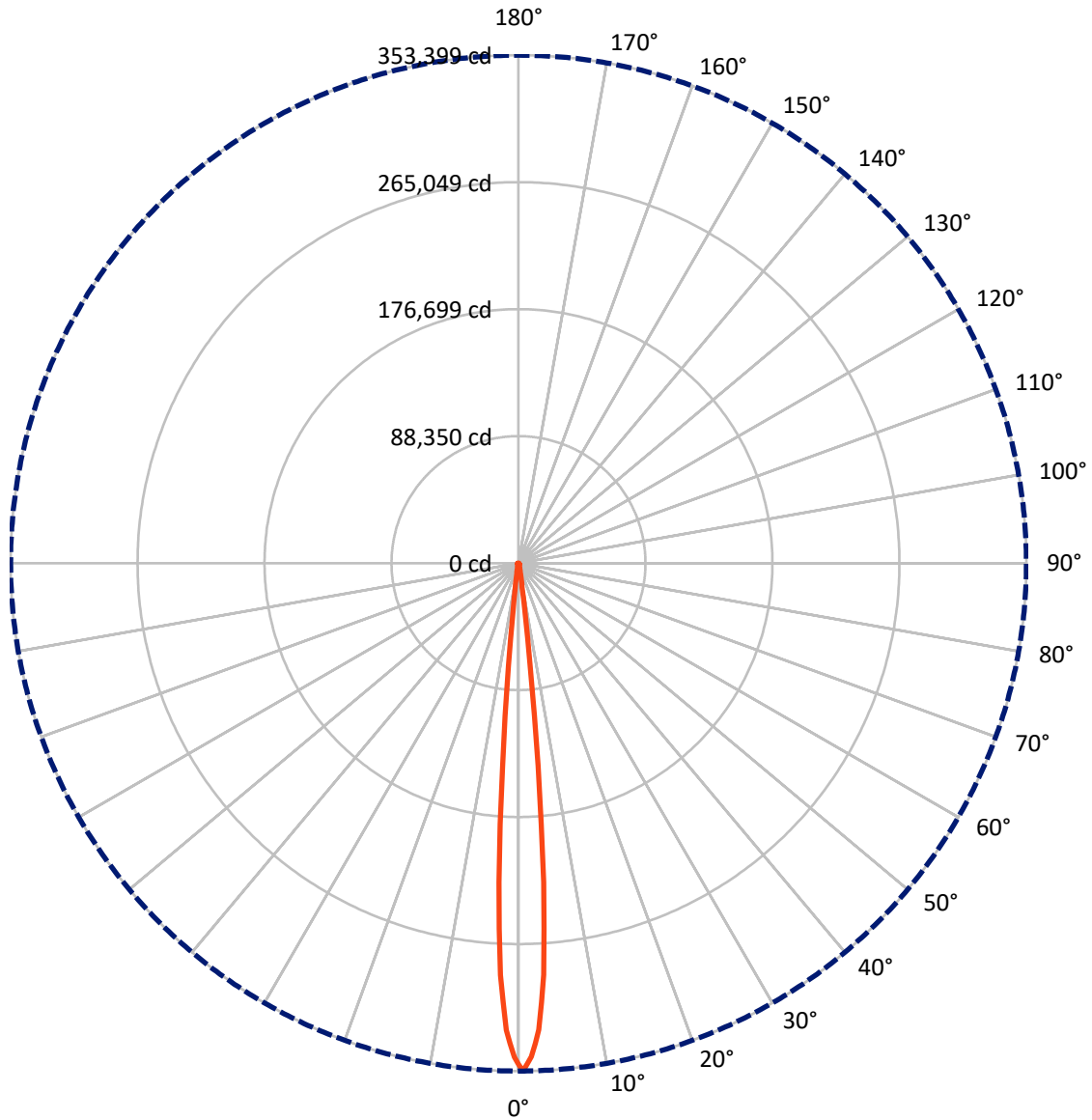
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 883.5 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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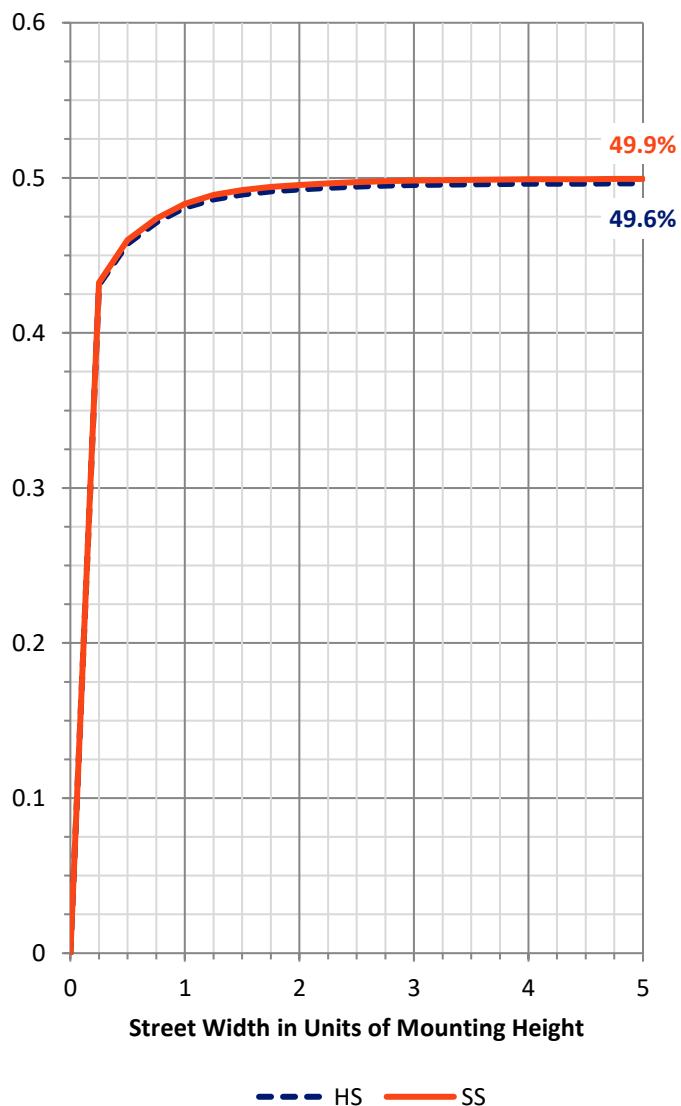
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5927.9	0.0	5927.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5927.9	0.0	5927.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11855.7	0.0	11855.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9105.1	76.8
10°-20°	888.1	7.5
20°-30°	474.5	4.0
30°-40°	391.3	3.3
40°-50°	435.7	3.7
50°-60°	293.0	2.5
60°-70°	187.0	1.6
70°-80°	73.8	0.6
80°-90°	7.2	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°	11855.7	100.0
0°-180°	11855.7	100.0

Coefficient of Utilization



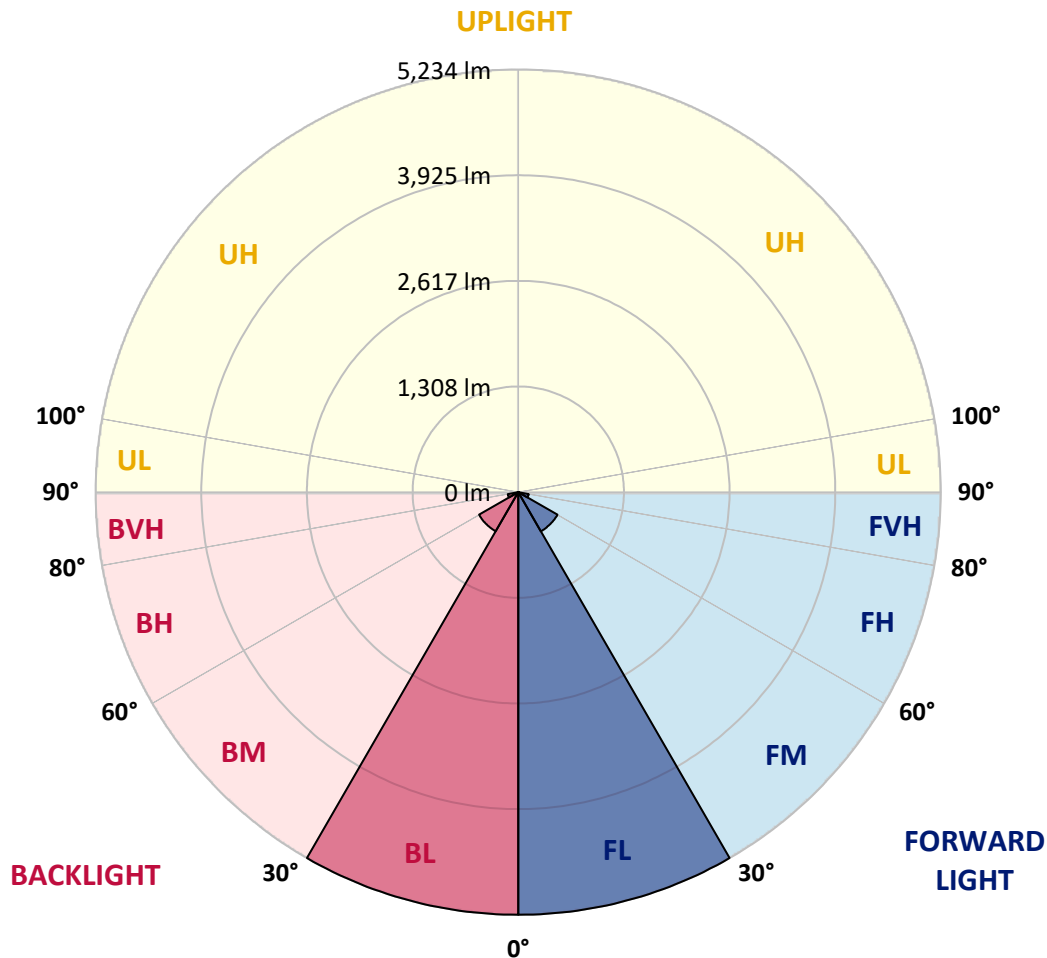
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5233.8	44.1			
FM (30°-60°)	560.0	4.7			
FH (60°-80°)	130.4	1.1			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	5233.8	44.1	B5		
BM (30°-60°)	560.0	4.7	B1/1000		
BH (60°-80°)	130.4	1.1	B1/500		G0/660
BVH (80°-90°)	3.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	353398.5	353398.5	353398.5	353398.5	353398.5	353398.5	353398.5	353398.5	353398.5	353398.5
1°	343576.5	344174.1	344281.9	343570.4	341756.3	342184.4	342129.0	342224.5	342045.8	340912.4
2°	324973.7	325857.7	324927.5	322931.7	318798.4	317812.8	314520.4	310846.0	306934.5	303013.7
3°	287001.1	288861.4	287534.0	289665.3	281281.7	280434.7	273511.0	264382.0	255129.9	247633.3
4°	222522.6	225959.8	226415.6	233450.2	226563.5	228716.3	220807.1	208123.9	194282.6	183693.8
5°	141840.5	146632.9	149337.1	155934.3	159106.6	167367.0	163514.0	150784.6	134790.5	122609.3
6°	71667.1	74275.8	81541.4	88794.7	96894.9	107856.4	109340.9	98166.9	85437.5	73746.1
7°	33408.1	34486.1	39611.1	41157.2	50418.6	62310.3	63973.4	57847.4	51133.2	42072.0
8°	17263.1	17681.9	19554.5	20703.4	26105.6	32946.1	34113.4	30257.3	27510.0	22951.7
9°	10632.0	10816.7	11519.0	11777.7	13798.1	16841.1	17253.8	15639.9	14894.6	13320.7
10°	7373.4	7471.9	7801.5	7869.2	8543.8	9544.7	9581.7	9051.9	9064.3	8670.0
12.5°	3930.0	3960.8	4053.2	4062.4	4191.8	4296.5	4271.9	4275.0	4327.3	4275.0
15°	2513.2	2528.6	2584.1	2596.4	2664.1	2701.1	2682.6	2679.5	2698.0	2664.1
17.5°	1792.5	1801.8	1841.8	1875.7	1918.8	1931.1	1925.0	1918.8	1918.8	1888.0
20°	1398.3	1410.6	1438.3	1472.2	1493.8	1515.3	1518.4	1515.3	1506.1	1490.7
22.5°	1188.9	1195.0	1204.3	1219.7	1235.1	1244.3	1250.5	1253.5	1250.5	1244.3
25°	1034.9	1041.0	1059.5	1068.7	1068.7	1071.8	1084.1	1090.3	1093.4	1081.1
27.5°	763.8	779.2	806.9	822.3	822.3	828.5	837.7	850.1	862.4	840.8
30°	591.3	603.7	634.5	634.5	631.4	637.5	646.8	665.3	683.7	659.1
32.5°	532.8	532.8	539.0	542.1	542.1	551.3	557.5	572.9	588.3	582.1
35°	557.5	542.1	523.6	523.6	529.7	548.2	551.3	566.7	582.1	603.7
37.5°	810.0	763.8	696.1	683.7	683.7	705.3	696.1	705.3	733.0	813.1
40°	736.1	699.1	659.1	603.7	603.7	634.5	612.9	625.2	689.9	739.2
42.5°	656.0	656.0	612.9	560.5	560.5	575.9	569.8	575.9	649.9	689.9
45°	606.7	606.7	594.4	511.3	523.6	532.8	532.8	532.8	631.4	643.7
47.5°	579.0	579.0	548.2	471.2	486.6	489.7	495.9	489.7	566.7	609.8
50°	517.4	523.6	471.2	415.8	434.3	434.3	443.5	431.2	489.7	560.5
52.5°	446.6	452.8	372.7	329.6	351.1	348.0	360.4	341.9	388.1	486.6
55°	397.3	394.2	308.0	268.0	292.6	289.5	295.7	274.1	314.2	418.9
57.5°	345.0	351.1	252.6	218.7	246.4	240.2	249.5	224.8	258.7	372.7
60°	304.9	314.2	215.6	184.8	212.5	206.4	215.6	187.9	221.8	335.7
62.5°	292.6	292.6	191.0	157.1	184.8	178.6	184.8	157.1	197.1	308.0
65°	348.0	329.6	172.5	129.4	157.1	150.9	157.1	129.4	172.5	295.7
67.5°	462.0	440.4	163.2	101.6	126.3	117.0	126.3	104.7	150.9	277.2
70°	240.2	255.6	163.2	80.1	95.5	95.5	92.4	80.1	126.3	203.3
72.5°	138.6	141.7	126.3	61.6	73.9	80.1	70.8	61.6	92.4	150.9
75°	77.0	86.2	80.1	46.2	55.4	61.6	52.4	46.2	64.7	107.8
77.5°	46.2	52.4	46.2	30.8	37.0	33.9	37.0	30.8	43.1	70.8
80°	24.6	24.6	24.6	18.5	18.5	21.6	21.6	18.5	24.6	37.0
82.5°	9.2	9.2	9.2	6.2	9.2	9.2	9.2	12.3	12.3	15.4
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
353398.5
342030.4
305271.3
250476.1
186148.5
124170.9
74620.8
43168.4
23570.8
13662.6
8851.7
4333.5
2688.8
1897.2
1493.8
1247.4
1081.1
837.7
652.9
582.1
616.0
853.1
785.4
693.0
640.6
600.6
554.4
474.3
412.7
363.4
326.5
304.9
295.7
274.1
200.2
147.8
95.5
52.4
30.8
15.4
3.1
3.1
0.0

OF REPORT)