

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: P479632

Luminaire Tested: **IFLD-L-SA8D-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479632
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

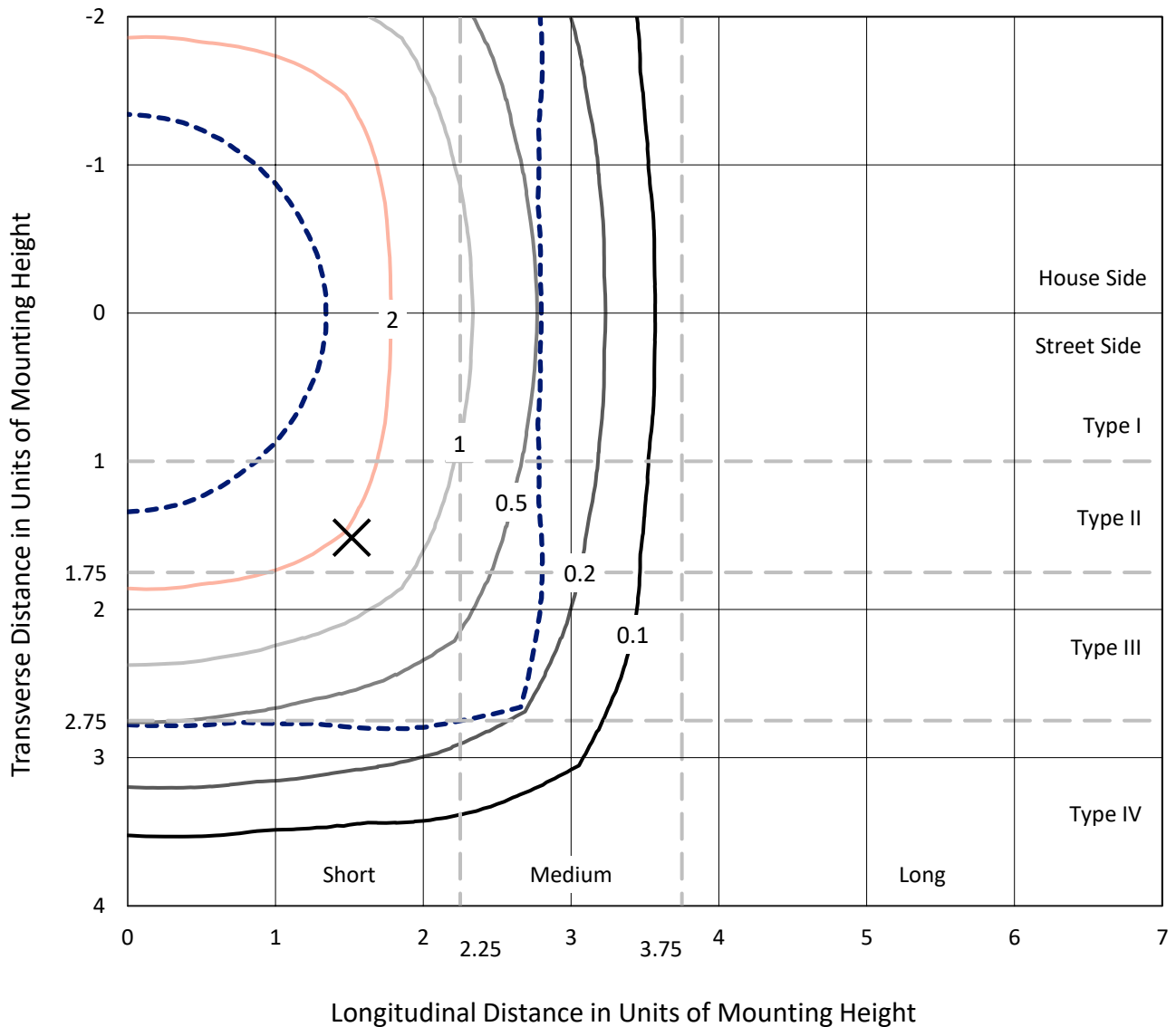
Lumens per Lamp: N/A
Luminaire Lumens: 47842.8 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 488.3
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

REPORT NUMBER: P479632
 CATALOG NUMBER: IFLD-L-SA8D-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

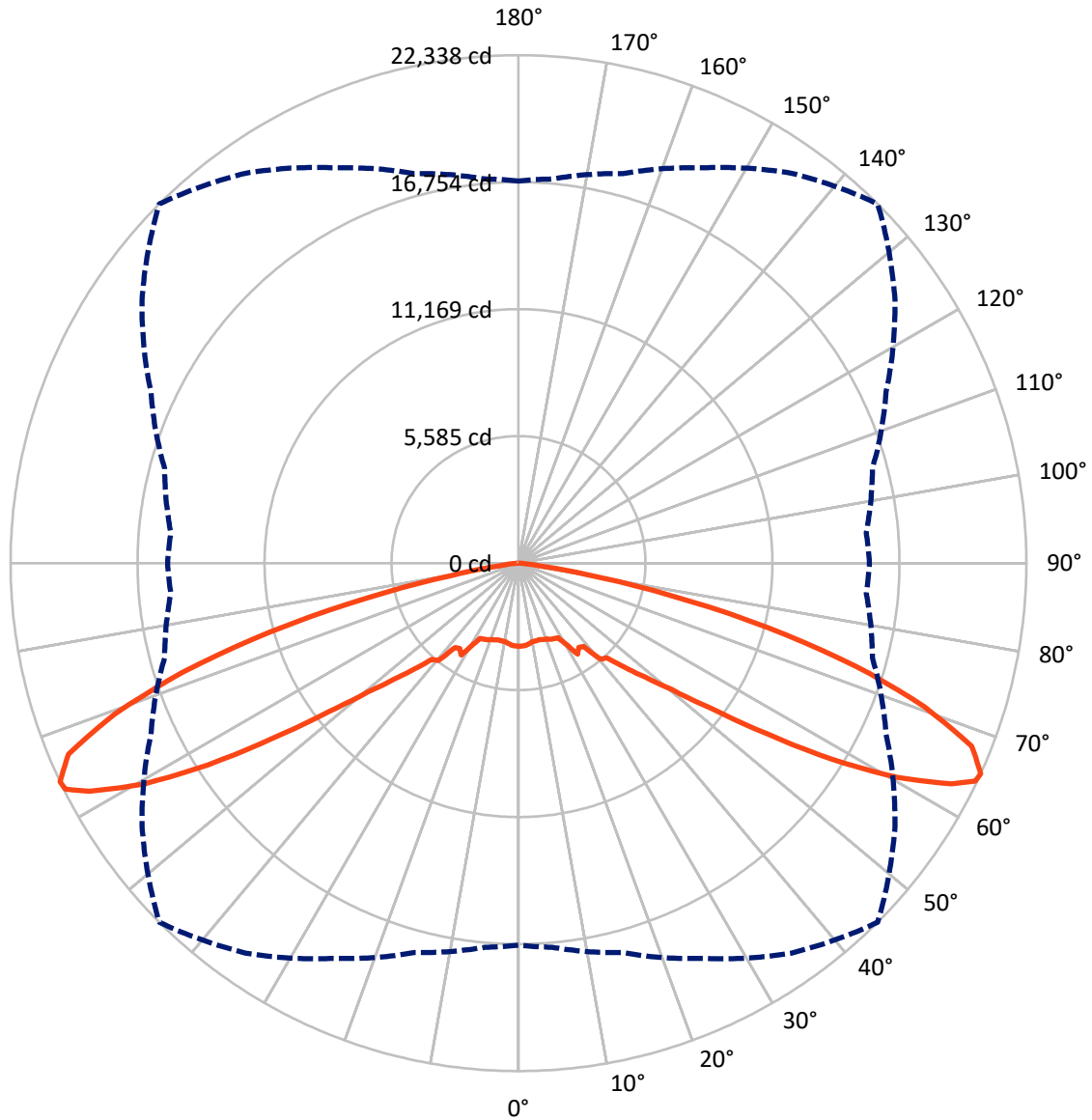
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

REPORT NUMBER: P479632
CATALOG NUMBER: IFLD-L-SA8D-727-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P479632

CATALOG NUMBER: IFLD-L-SA8D-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23921.4	0.0	23921.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23921.4	0.0	23921.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	47842.8	0.0	47842.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.3	0.7
10°-20°	1008.3	2.1
20°-30°	1745.4	3.6
30°-40°	2902.2	6.1
40°-50°	5236.0	10.9
50°-60°	11664.0	24.4
60°-70°	17383.1	36.3
70°-80°	7203.8	15.1
80°-90°	356.8	0.7
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°	47842.8	100.0
0°-180°	47842.8	100.0

Coefficient of Utilization



REPORT NUMBER: P479632

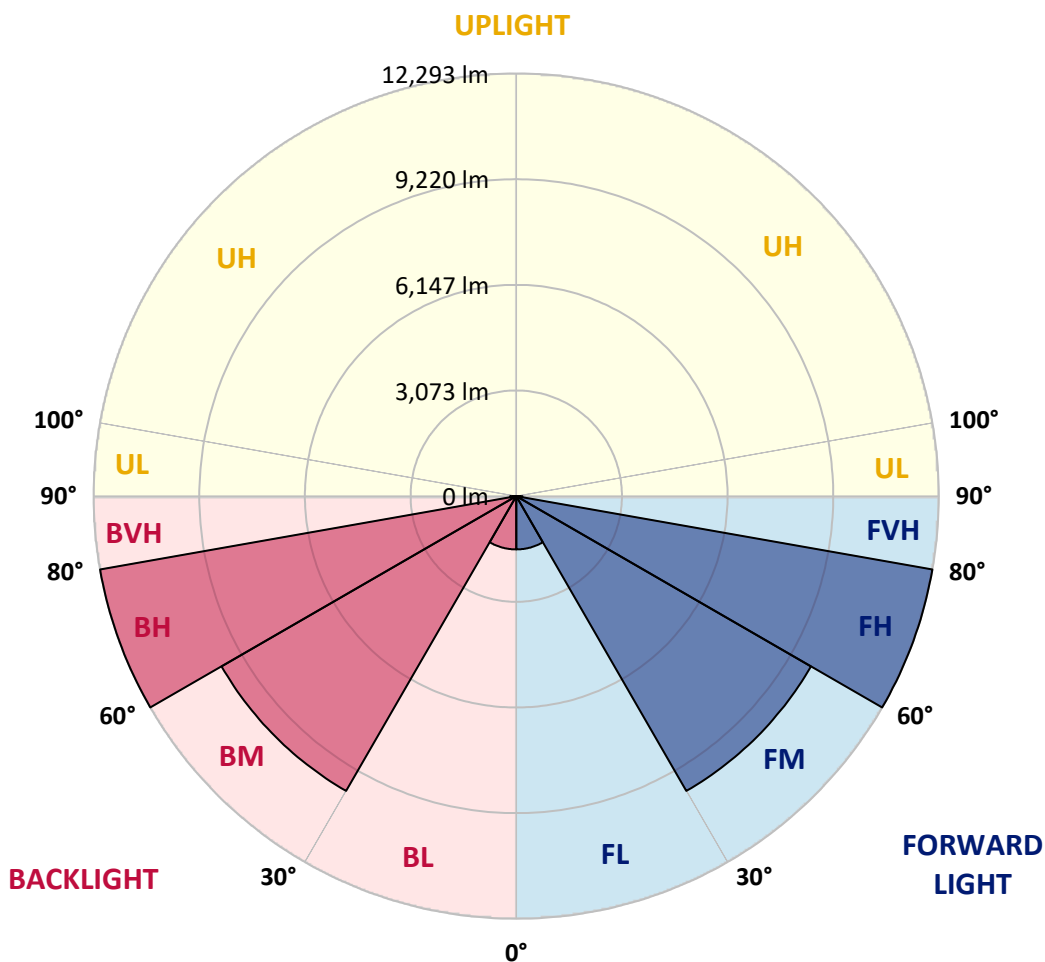
CATALOG NUMBER: IFLD-L-SA8D-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1548.5	3.2			
FM (30°-60°)	9901.1	20.7			
FH (60°-80°)	12293.5	25.7			G5
FVH (80°-90°)	178.4	0.4			G2/225
BL (0°-30°)	1548.5	3.2	B3/2500		
BM (30°-60°)	9901.1	20.7	B5		
BH (60°-80°)	12293.5	25.7	B5		G5
BVH (80°-90°)	178.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





REPORT NUMBER: P479632
 CATALOG NUMBER: IFLD-L-SA8D-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3657.9	3657.9	3657.9	3657.9	3657.9	3657.9	3657.9	3657.9	3657.9	3657.9	3657.9
2.5°	3615.6	3626.2	3620.9	3620.9	3636.7	3647.3	3652.6	3705.5	3684.3	3700.2	3684.3
5°	3626.2	3626.2	3636.7	3626.2	3636.7	3626.2	3636.7	3620.9	3636.7	3647.3	3663.2
7.5°	3605.0	3594.4	3578.6	3578.6	3573.3	3562.7	3546.9	3589.2	3568.0	3583.9	3610.3
10°	3610.3	3594.4	3541.6	3552.2	3504.6	3504.6	3515.2	3515.2	3562.7	3615.6	3631.4
12.5°	3610.3	3578.6	3562.7	3494.0	3494.0	3499.3	3525.7	3536.3	3568.0	3589.2	3642.0
15°	3610.3	3594.4	3568.0	3478.2	3499.3	3488.7	3515.2	3515.2	3583.9	3620.9	3647.3
17.5°	3631.4	3642.0	3594.4	3509.9	3515.2	3536.3	3520.4	3536.3	3620.9	3647.3	3684.3
20°	3636.7	3594.4	3578.6	3525.7	3573.3	3562.7	3557.4	3589.2	3615.6	3663.2	3705.5
22.5°	3626.2	3642.0	3578.6	3573.3	3615.6	3636.7	3647.3	3610.3	3642.0	3673.7	3710.7
25°	3716.0	3657.9	3642.0	3631.4	3652.6	3673.7	3663.2	3694.9	3694.9	3731.9	3779.5
27.5°	3959.2	3964.5	3932.7	3805.9	3763.6	3716.0	3737.2	3821.7	3922.2	4001.5	4017.3
30°	4070.2	4091.3	4175.9	4154.8	4138.9	4154.8	4149.5	4170.6	4181.2	4186.5	4170.6
32.5°	4170.6	4160.0	4123.0	4218.2	4530.1	4767.9	4540.6	4228.8	4160.0	4138.9	4160.0
35°	4535.3	4535.3	4456.1	4334.5	4498.3	4556.5	4450.8	4302.8	4387.3	4561.8	4572.3
37.5°	5005.8	4937.1	4968.8	4952.9	4773.2	4646.3	4831.4	4926.5	4942.4	4937.1	4989.9
40°	5285.9	5238.4	5190.8	5275.4	5439.2	5555.5	5391.7	5164.4	5222.5	5338.8	5291.2
42.5°	5925.5	5804.0	5814.5	5730.0	5724.7	5687.7	5650.7	5666.5	5751.1	5883.3	5904.4
45°	6581.0	6639.2	6602.2	6443.6	6517.6	6517.6	6411.9	6491.1	6533.4	6686.7	6707.9
47.5°	7606.5	7580.1	7595.9	7453.2	7447.9	7484.9	7447.9	7453.2	7585.3	7574.8	7516.6
50°	8806.4	8880.4	8901.5	8832.8	8748.2	8732.4	8674.2	8748.2	8827.5	8832.8	8785.2
52.5°	10466.2	10545.5	10545.5	10566.6	10672.3	10619.5	10608.9	10614.2	10460.9	10355.2	10408.0
55°	12559.4	12585.8	12675.7	12860.7	13183.2	13225.4	13024.6	12934.7	12654.6	12485.4	12617.6
57.5°	14626.2	14731.9	14980.4	15461.4	15857.8	16291.3	15709.8	15117.8	14568.1	14298.5	14346.1
60°	16344.2	16497.4	16973.2	17644.5	18744.0	19140.4	18157.2	17142.3	16027.0	15202.4	15535.4
62.5°	17152.9	17390.8	17792.5	19151.0	20800.2	21371.1	19928.0	18083.2	16391.7	15598.8	15583.0
64°	17158.2	17195.2	17998.7	19462.9	21159.7	22264.4	20356.2	18083.2	16481.6	15503.7	15683.4
65°	16804.0	16957.3	17734.4	19177.4	20932.4	22338.4	20208.2	17834.8	16111.6	15350.4	15435.0
67.5°	15197.1	15191.8	15910.7	17343.2	19780.0	21498.0	18950.1	16444.6	15197.1	14372.5	14472.9
70°	11528.7	11713.7	12400.8	14161.1	17115.9	18955.4	16571.5	13976.0	12422.0	11761.2	11724.2
72.5°	6898.2	7141.3	8018.8	10164.9	13294.2	15530.1	13151.4	10339.3	8468.1	7421.5	7447.9
75°	3145.1	3324.9	3927.5	5677.1	8859.3	11354.2	8912.1	5978.4	4286.9	3620.9	3525.7
77.5°	882.8	993.8	1326.8	2606.0	4863.1	6808.3	5000.5	2880.8	1871.2	1554.1	1522.4
80°	396.4	417.6	470.4	634.3	1543.5	3002.4	2066.8	1057.2	703.0	581.5	555.0
82.5°	216.7	232.6	306.6	327.7	438.7	798.2	681.9	496.9	422.9	338.3	327.7
85°	121.6	126.9	174.4	174.4	211.4	232.6	248.4	264.3	259.0	190.3	185.0
87.5°	37.0	42.3	52.9	52.9	52.9	52.9	84.6	116.3	126.9	89.9	89.9
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)