

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: P479627

Luminaire Tested: **IFLD-L-SA7D-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479627
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

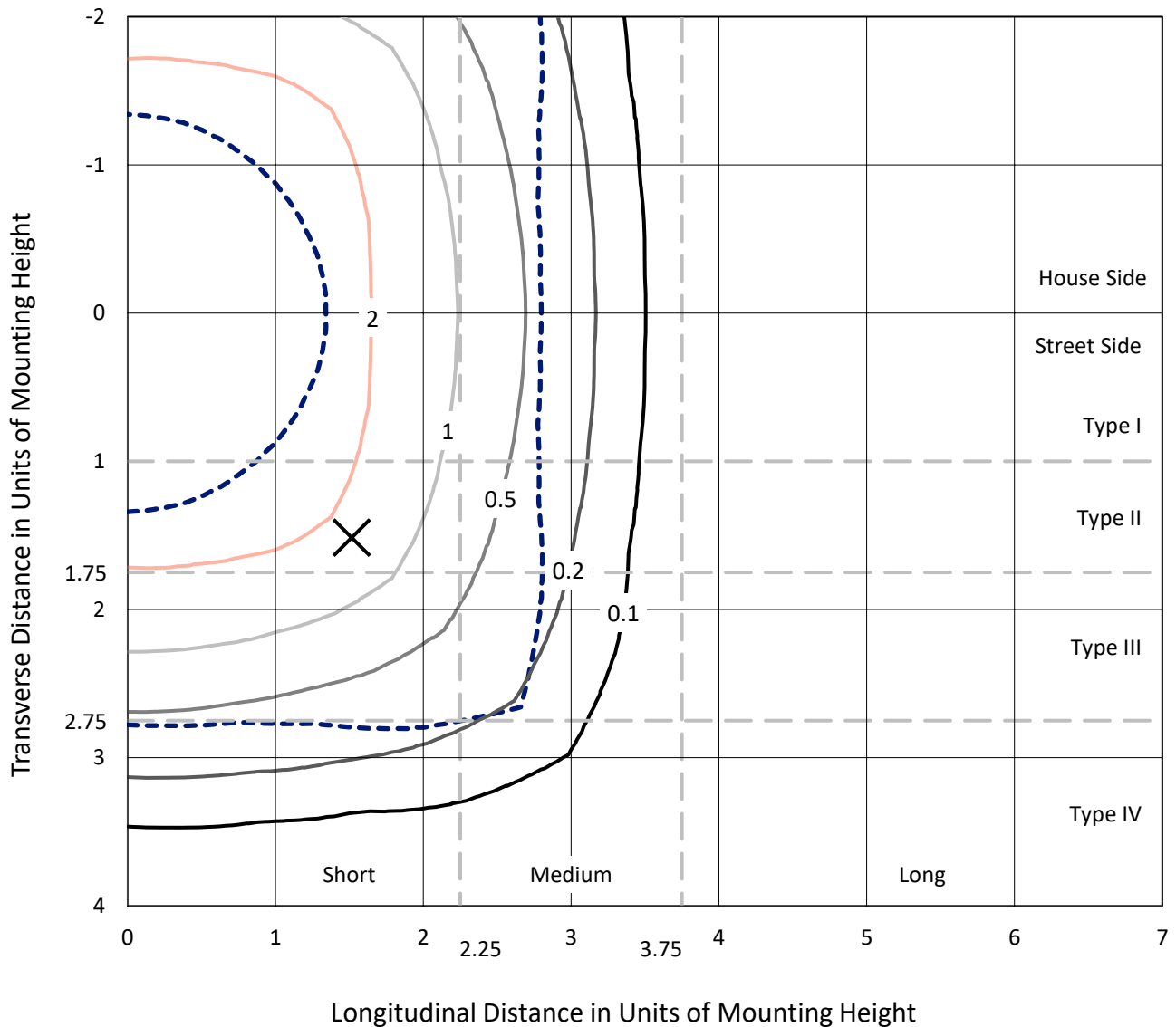
Lumens per Lamp: N/A
Luminaire Lumens: 41862.4 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 422.6
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: P479627
 CATALOG NUMBER: IFLD-L-SA7D-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

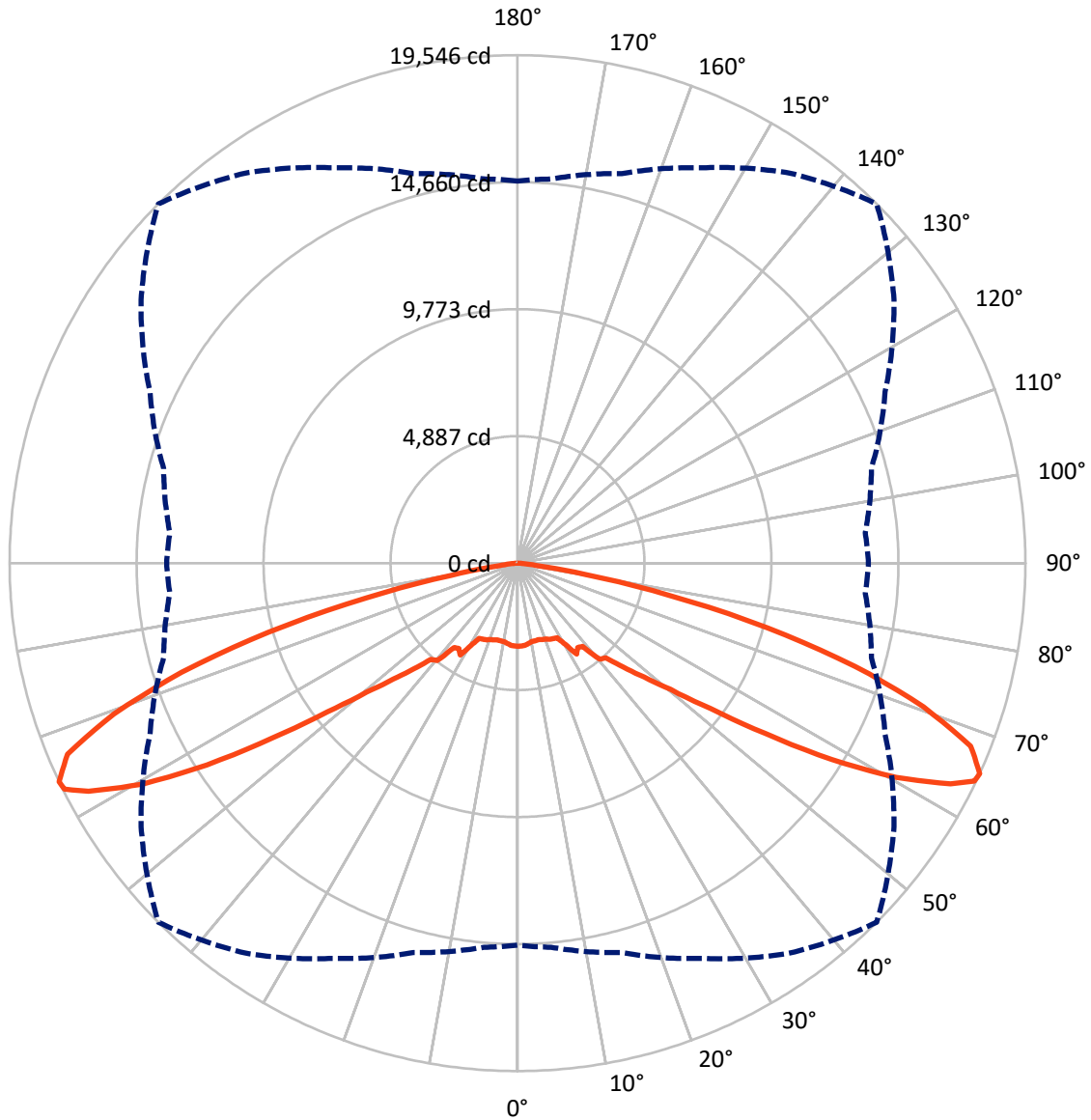
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

REPORT NUMBER: P479627
CATALOG NUMBER: IFLD-L-SA7D-727-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479627

CATALOG NUMBER: IFLD-L-SA7D-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20931.2	0.0	20931.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20931.2	0.0	20931.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	41862.4	0.0	41862.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	0.7
10°-20°	882.3	2.1
20°-30°	1527.2	3.6
30°-40°	2539.4	6.1
40°-50°	4581.5	10.9
50°-60°	10206.0	24.4
60°-70°	15210.2	36.3
70°-80°	6303.3	15.1
80°-90°	312.2	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°	41862.4	100.0
0°-180°	41862.4	100.0

Coefficient of Utilization



REPORT NUMBER: P479627

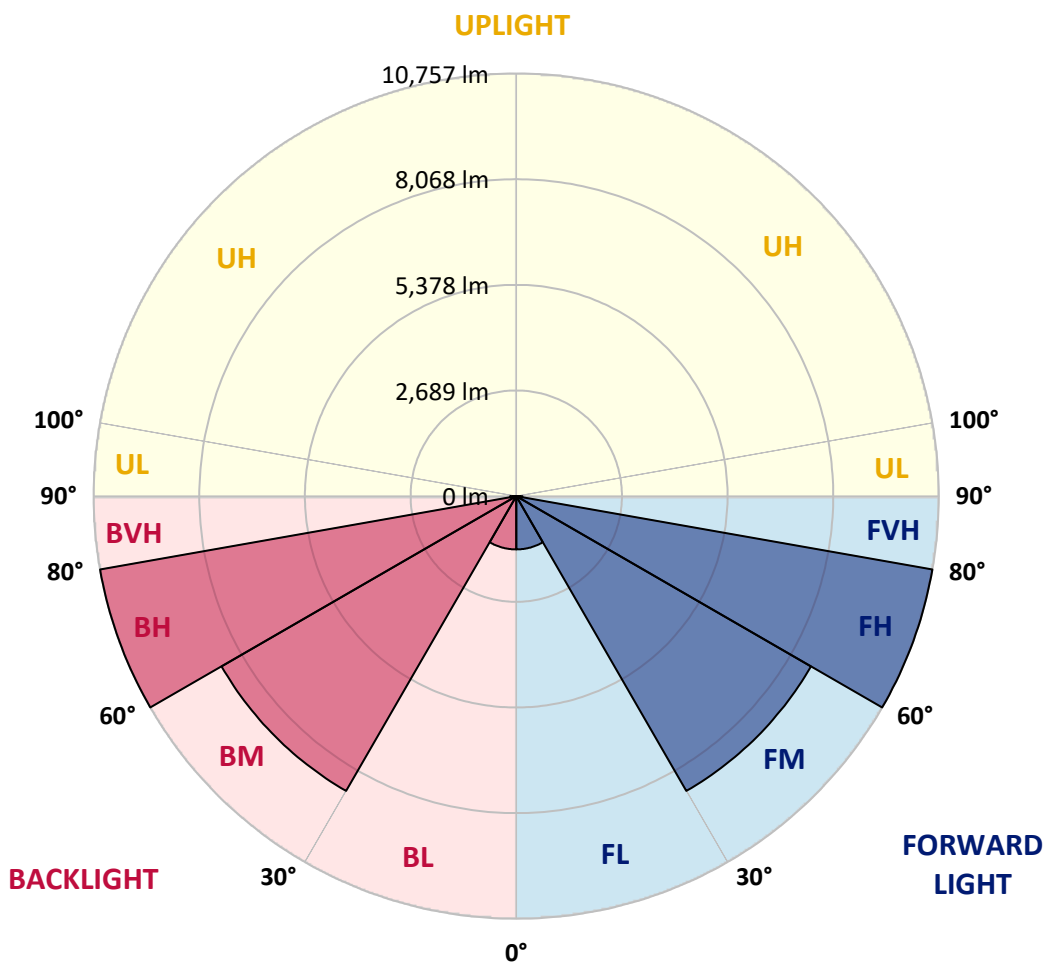
CATALOG NUMBER: IFLD-L-SA7D-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1354.9	3.2			
FM (30°-60°)	8663.4	20.7			
FH (60°-80°)	10756.7	25.7			G4/12000
FVH (80°-90°)	156.1	0.4			G2/225
BL (0°-30°)	1354.9	3.2	B3/2500		
BM (30°-60°)	8663.4	20.7	B5		
BH (60°-80°)	10756.7	25.7	B5		G4/12000
BVH (80°-90°)	156.1	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-G4

Type V Short





REPORT NUMBER: P479627
 CATALOG NUMBER: IFLD-L-SA7D-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3200.6	3200.6	3200.6	3200.6	3200.6	3200.6	3200.6	3200.6	3200.6	3200.6	3200.6
2.5°	3163.6	3172.9	3168.3	3168.3	3182.1	3191.4	3196.0	3242.3	3223.8	3237.6	3223.8
5°	3172.9	3172.9	3182.1	3172.9	3182.1	3172.9	3182.1	3168.3	3182.1	3191.4	3205.3
7.5°	3154.4	3145.1	3131.3	3131.3	3126.6	3117.4	3103.5	3140.5	3122.0	3135.9	3159.0
10°	3159.0	3145.1	3098.9	3108.1	3066.5	3066.5	3075.8	3075.8	3117.4	3163.6	3177.5
12.5°	3159.0	3131.3	3117.4	3057.3	3057.3	3061.9	3085.0	3094.3	3122.0	3140.5	3186.8
15°	3159.0	3145.1	3122.0	3043.4	3061.9	3052.6	3075.8	3075.8	3135.9	3168.3	3191.4
17.5°	3177.5	3186.8	3145.1	3071.1	3075.8	3094.3	3080.4	3094.3	3168.3	3191.4	3223.8
20°	3182.1	3145.1	3131.3	3085.0	3126.6	3117.4	3112.8	3140.5	3163.6	3205.3	3242.3
22.5°	3172.9	3186.8	3131.3	3126.6	3163.6	3182.1	3191.4	3159.0	3186.8	3214.5	3246.9
25°	3251.5	3200.6	3186.8	3177.5	3196.0	3214.5	3205.3	3233.0	3233.0	3265.4	3307.0
27.5°	3464.3	3468.9	3441.1	3330.1	3293.1	3251.5	3270.0	3344.0	3431.9	3501.3	3515.1
30°	3561.4	3579.9	3653.9	3635.4	3621.5	3635.4	3630.8	3649.3	3658.5	3663.2	3649.3
32.5°	3649.3	3640.0	3607.7	3690.9	3963.8	4171.9	3973.0	3700.2	3640.0	3621.5	3640.0
35°	3968.4	3968.4	3899.0	3792.7	3936.0	3986.9	3894.4	3764.9	3838.9	3991.5	4000.8
37.5°	4380.1	4319.9	4347.7	4333.8	4176.6	4065.5	4227.4	4310.7	4324.6	4319.9	4366.2
40°	4625.2	4583.6	4541.9	4615.9	4759.3	4861.1	4717.7	4518.8	4569.7	4671.4	4629.8
42.5°	5184.8	5078.5	5087.7	5013.7	5009.1	4976.7	4944.3	4958.2	5032.2	5147.8	5166.3
45°	5758.4	5809.2	5776.9	5638.1	5702.9	5702.9	5610.4	5679.7	5716.7	5850.9	5869.4
47.5°	6655.7	6632.5	6646.4	6521.5	6516.9	6549.3	6516.9	6521.5	6637.2	6627.9	6577.0
50°	7705.6	7770.3	7788.8	7728.7	7654.7	7640.8	7589.9	7654.7	7724.1	7728.7	7687.1
52.5°	9157.9	9227.3	9227.3	9245.8	9338.3	9292.0	9282.8	9287.4	9153.3	9060.8	9107.0
55°	10989.5	11012.6	11091.2	11253.1	11535.2	11572.2	11396.5	11317.8	11072.7	10924.7	11040.3
57.5°	12797.9	12890.4	13107.8	13528.7	13875.6	14254.8	13746.1	13228.1	12747.0	12511.1	12552.8
60°	14301.1	14435.2	14851.5	15438.9	16400.9	16747.8	15887.5	14999.5	14023.6	13302.1	13593.4
62.5°	15008.8	15216.9	15568.4	16757.1	18200.1	18699.7	17437.0	15822.8	14342.7	13648.9	13635.1
64°	15013.4	15045.8	15748.8	17030.0	18514.7	19481.3	17811.6	15822.8	14421.4	13565.7	13723.0
65°	14703.5	14837.6	15517.5	16780.2	18315.8	19546.1	17682.1	15605.4	14097.6	13431.6	13505.6
67.5°	13297.4	13292.8	13921.8	15175.3	17307.5	18810.7	16581.3	14389.0	13297.4	12575.9	12663.8
70°	10087.5	10249.4	10850.7	12390.9	14976.4	16585.9	14500.0	12229.0	10869.2	10291.1	10258.7
72.5°	6035.9	6248.6	7016.4	8894.2	11632.4	13588.8	11507.5	9046.9	7409.6	6493.8	6516.9
75°	2752.0	2909.2	3436.5	4967.5	7751.8	9934.9	7798.1	5231.1	3751.0	3168.3	3085.0
77.5°	772.4	869.5	1160.9	2280.2	4255.2	5957.2	4375.4	2520.7	1637.3	1359.8	1332.1
80°	346.9	365.4	411.6	555.0	1350.6	2627.1	1808.5	925.0	615.2	508.8	485.6
82.5°	189.6	203.5	268.3	286.8	383.9	698.4	596.7	434.8	370.0	296.0	286.8
85°	106.4	111.0	152.6	152.6	185.0	203.5	217.4	231.3	226.6	166.5	161.9
87.5°	32.4	37.0	46.3	46.3	46.3	46.3	74.0	101.8	111.0	78.6	78.6
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)