

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: P479579

Luminaire Tested: **IFLD-S-SA6E-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479579
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

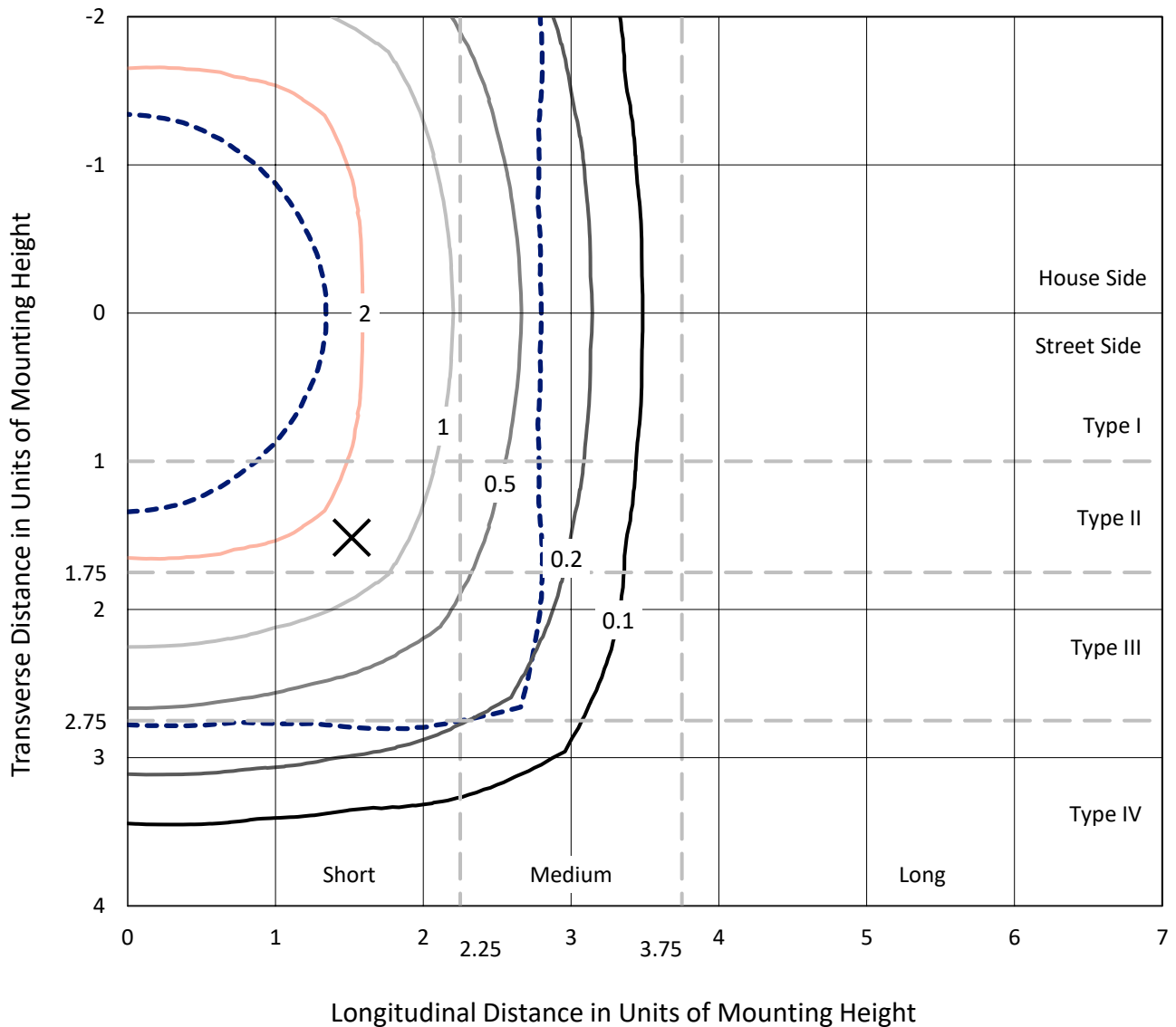
Lumens per Lamp: N/A
Luminaire Lumens: 39996.5 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 464.2
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: P479579
 CATALOG NUMBER: IFLD-S-SA6E-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

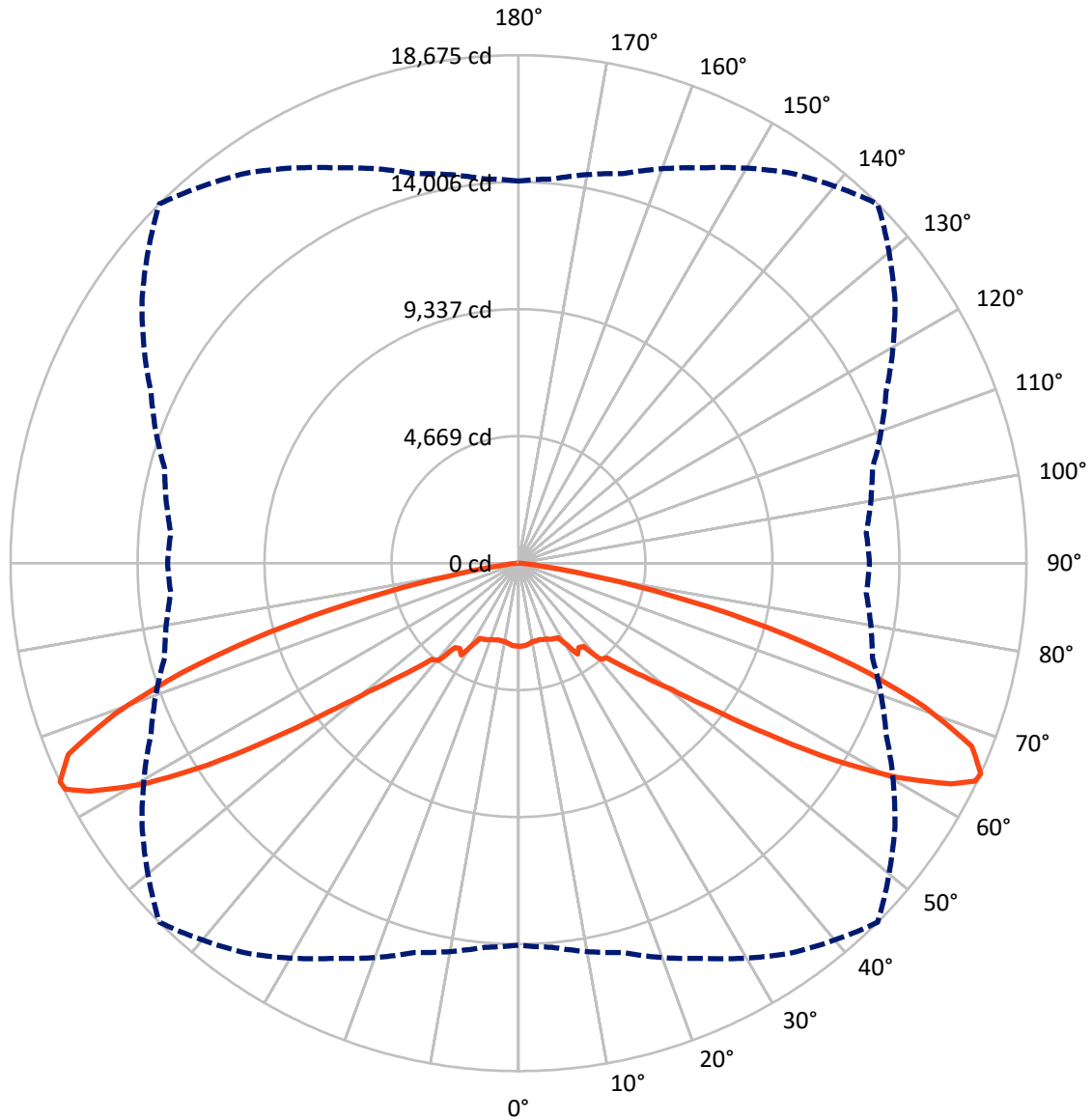
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P479579
CATALOG NUMBER: IFLD-S-SA6E-722-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479579

CATALOG NUMBER: IFLD-S-SA6E-722-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19998.2	0.0	19998.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19998.2	0.0	19998.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	39996.5	0.0	39996.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.0	0.7
10°-20°	843.0	2.1
20°-30°	1459.1	3.6
30°-40°	2426.2	6.1
40°-50°	4377.3	10.9
50°-60°	9751.1	24.4
60°-70°	14532.3	36.3
70°-80°	6022.3	15.1
80°-90°	298.3	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°	39996.5	100.0
0°-180°	39996.5	100.0

Coefficient of Utilization



REPORT NUMBER: P479579

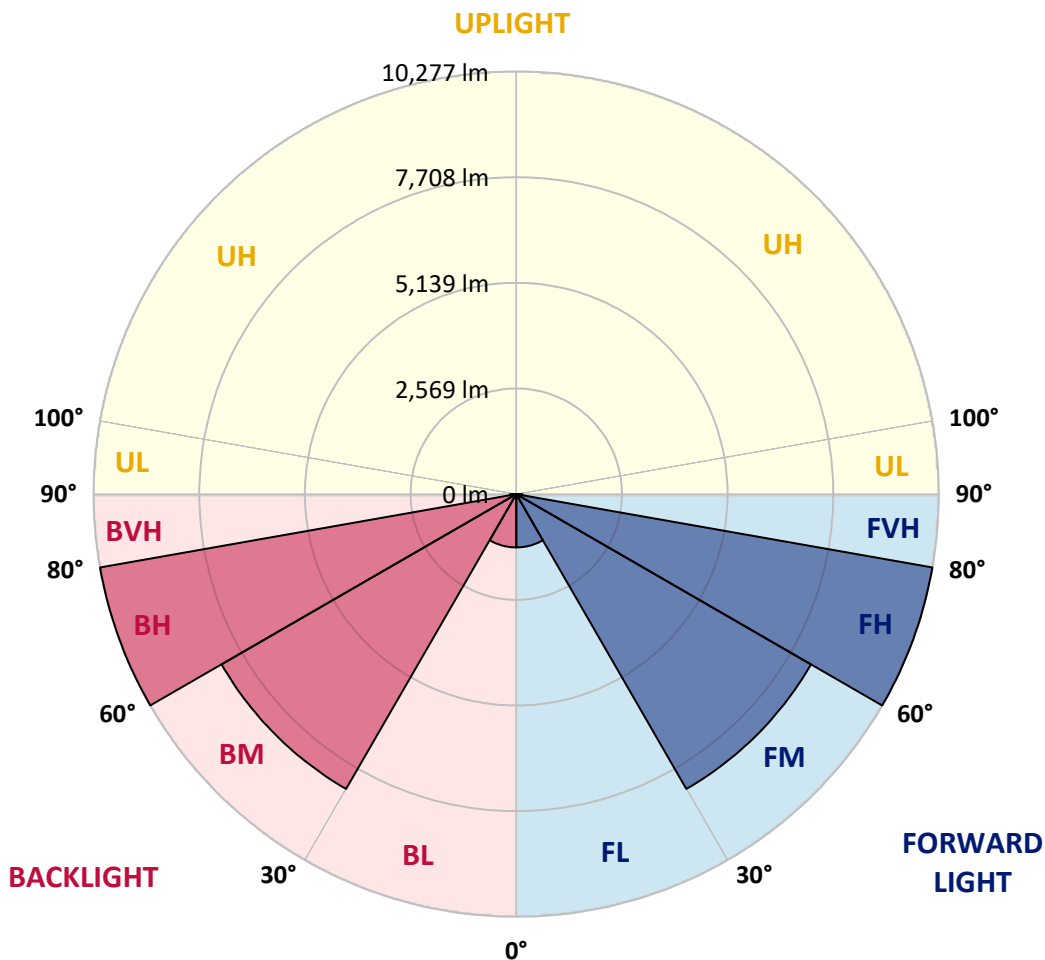
CATALOG NUMBER: IFLD-S-SA6E-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1294.5	3.2			
FM (30°-60°)	8277.3	20.7			
FH (60°-80°)	10277.3	25.7			G4/12000
FVH (80°-90°)	149.1	0.4			G2/225
BL (0°-30°)	1294.5	3.2	B3/2500		
BM (30°-60°)	8277.3	20.7	B4/8500		
BH (60°-80°)	10277.3	25.7	B5		G4/12000
BVH (80°-90°)	149.1	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: P479579
 CATALOG NUMBER: IFLD-S-SA6E-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0	3058.0
2.5°	3022.6	3031.5	3027.0	3027.0	3040.3	3049.1	3053.6	3097.7	3080.1	3093.3	3080.1
5°	3031.5	3031.5	3040.3	3031.5	3040.3	3031.5	3040.3	3027.0	3040.3	3049.1	3062.4
7.5°	3013.8	3004.9	2991.7	2991.7	2987.3	2978.4	2965.2	3000.5	2982.9	2996.1	3018.2
10°	3018.2	3004.9	2960.8	2969.6	2929.8	2929.8	2938.7	2938.7	2978.4	3022.6	3035.9
12.5°	3018.2	2991.7	2978.4	2921.0	2921.0	2925.4	2947.5	2956.3	2982.9	3000.5	3044.7
15°	3018.2	3004.9	2982.9	2907.7	2925.4	2916.6	2938.7	2938.7	2996.1	3027.0	3049.1
17.5°	3035.9	3044.7	3004.9	2934.2	2938.7	2956.3	2943.1	2956.3	3027.0	3049.1	3080.1
20°	3040.3	3004.9	2991.7	2947.5	2987.3	2978.4	2974.0	3000.5	3022.6	3062.4	3097.7
22.5°	3031.5	3044.7	2991.7	2987.3	3022.6	3040.3	3049.1	3018.2	3044.7	3071.2	3102.2
25°	3106.6	3058.0	3044.7	3035.9	3053.6	3071.2	3062.4	3088.9	3088.9	3119.8	3159.6
27.5°	3309.9	3314.3	3287.8	3181.7	3146.4	3106.6	3124.3	3195.0	3278.9	3345.2	3358.5
30°	3402.7	3420.3	3491.0	3473.4	3460.1	3473.4	3468.9	3486.6	3495.5	3499.9	3486.6
32.5°	3486.6	3477.8	3446.9	3526.4	3787.1	3986.0	3796.0	3535.2	3477.8	3460.1	3477.8
35°	3791.5	3791.5	3725.3	3623.6	3760.6	3809.2	3720.8	3597.1	3667.8	3813.6	3822.5
37.5°	4184.8	4127.4	4153.9	4140.6	3990.4	3884.3	4039.0	4118.5	4131.8	4127.4	4171.6
40°	4419.0	4379.3	4339.5	4410.2	4547.2	4644.4	4507.4	4317.4	4366.0	4463.2	4423.5
42.5°	4953.7	4852.1	4860.9	4790.2	4785.8	4754.9	4724.0	4737.2	4807.9	4918.4	4936.1
45°	5501.7	5550.3	5519.4	5386.8	5448.7	5448.7	5360.3	5426.6	5461.9	5590.1	5607.8
47.5°	6359.0	6336.9	6350.2	6230.9	6226.4	6257.4	6226.4	6230.9	6341.3	6332.5	6283.9
50°	7362.1	7424.0	7441.7	7384.2	7313.5	7300.3	7251.6	7313.5	7379.8	7384.2	7344.4
52.5°	8749.7	8816.0	8816.0	8833.7	8922.0	8877.9	8869.0	8873.4	8745.3	8656.9	8701.1
55°	10499.6	10521.7	10596.9	10751.5	11021.1	11056.4	10888.5	10813.4	10579.2	10437.8	10548.3
57.5°	12227.5	12315.9	12523.6	12925.7	13257.1	13619.5	13133.4	12638.5	12178.9	11953.5	11993.3
60°	13663.7	13791.8	14189.5	14750.8	15669.9	16001.4	15179.4	14331.0	13398.5	12709.2	12987.6
62.5°	14339.8	14538.7	14874.5	16010.2	17388.9	17866.2	16659.8	15117.5	13703.5	13040.6	13027.3
64°	14344.2	14375.1	15046.8	16270.9	17689.4	18613.0	17017.7	15117.5	13778.6	12961.1	13111.3
65°	14048.1	14176.3	14825.9	16032.3	17499.4	18674.9	16894.0	14909.8	13469.2	12832.9	12903.6
67.5°	12704.7	12700.3	13301.3	14498.9	16536.1	17972.2	15842.3	13747.6	12704.7	12015.4	12099.3
70°	9637.9	9792.6	10367.1	11838.6	14308.9	15846.7	13853.7	11683.9	10384.8	9832.4	9801.4
72.5°	5766.9	5970.1	6703.7	8497.8	11113.9	12983.1	10994.6	8643.6	7079.3	6204.3	6226.4
75°	2629.3	2779.6	3283.3	4746.1	7406.3	9492.1	7450.5	4997.9	3583.8	3027.0	2947.5
77.5°	738.0	830.8	1109.2	2178.6	4065.5	5691.7	4180.4	2408.4	1564.3	1299.2	1272.7
80°	331.4	349.1	393.3	530.3	1290.4	2510.0	1727.8	883.8	587.7	486.1	464.0
82.5°	181.2	194.4	256.3	274.0	366.8	667.3	570.1	415.4	353.5	282.8	274.0
85°	101.6	106.1	145.8	145.8	176.8	194.4	207.7	221.0	216.5	159.1	154.7
87.5°	30.9	35.4	44.2	44.2	44.2	44.2	70.7	97.2	106.1	75.1	75.1
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)