

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: P479616

Luminaire Tested: **IFLD-S-SA6C-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479616
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

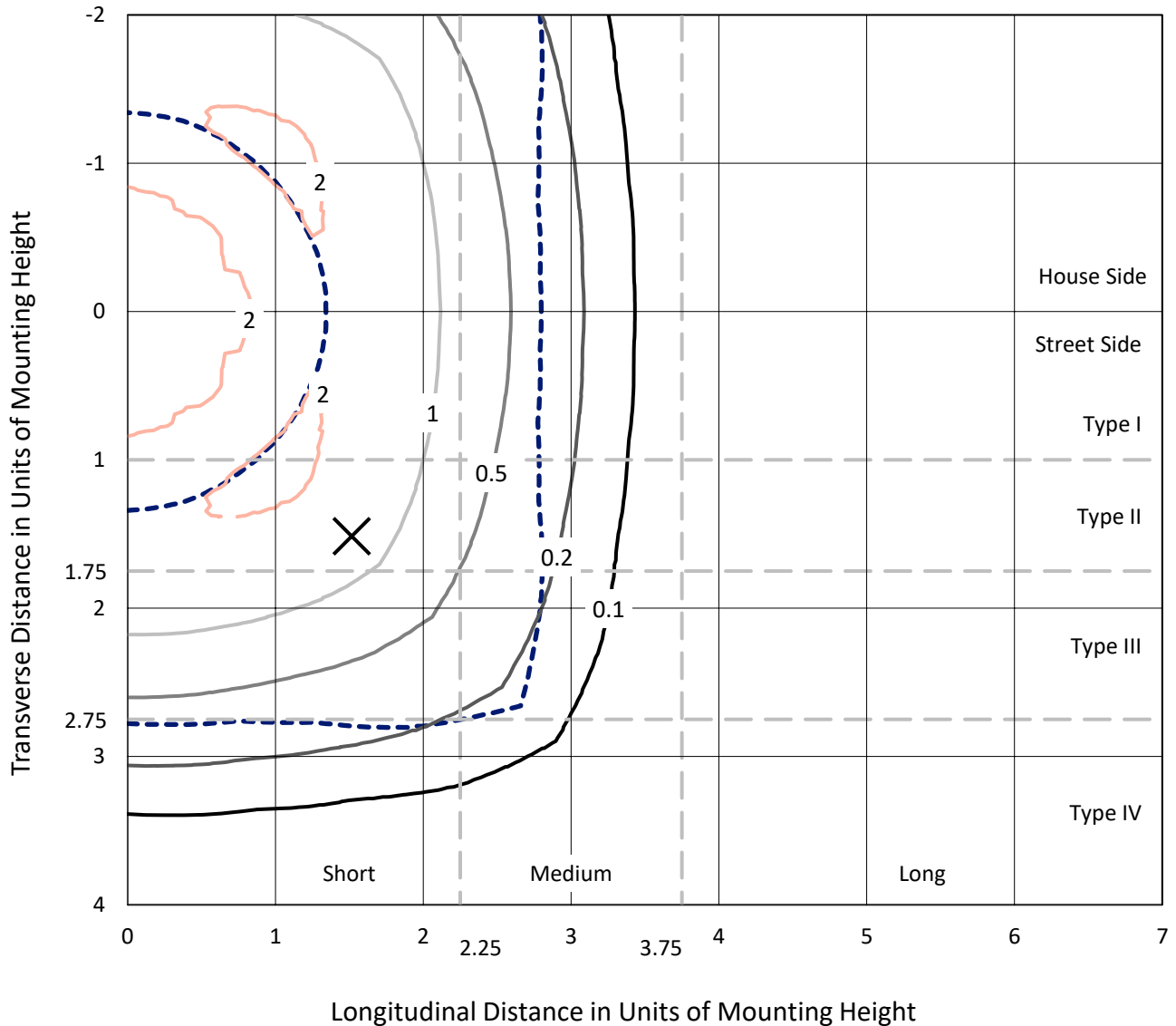
Lumens per Lamp: N/A
Luminaire Lumens: 35659.9 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 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

REPORT NUMBER: P479616
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Iso-Footcandle Lines of Horizontal Illumination

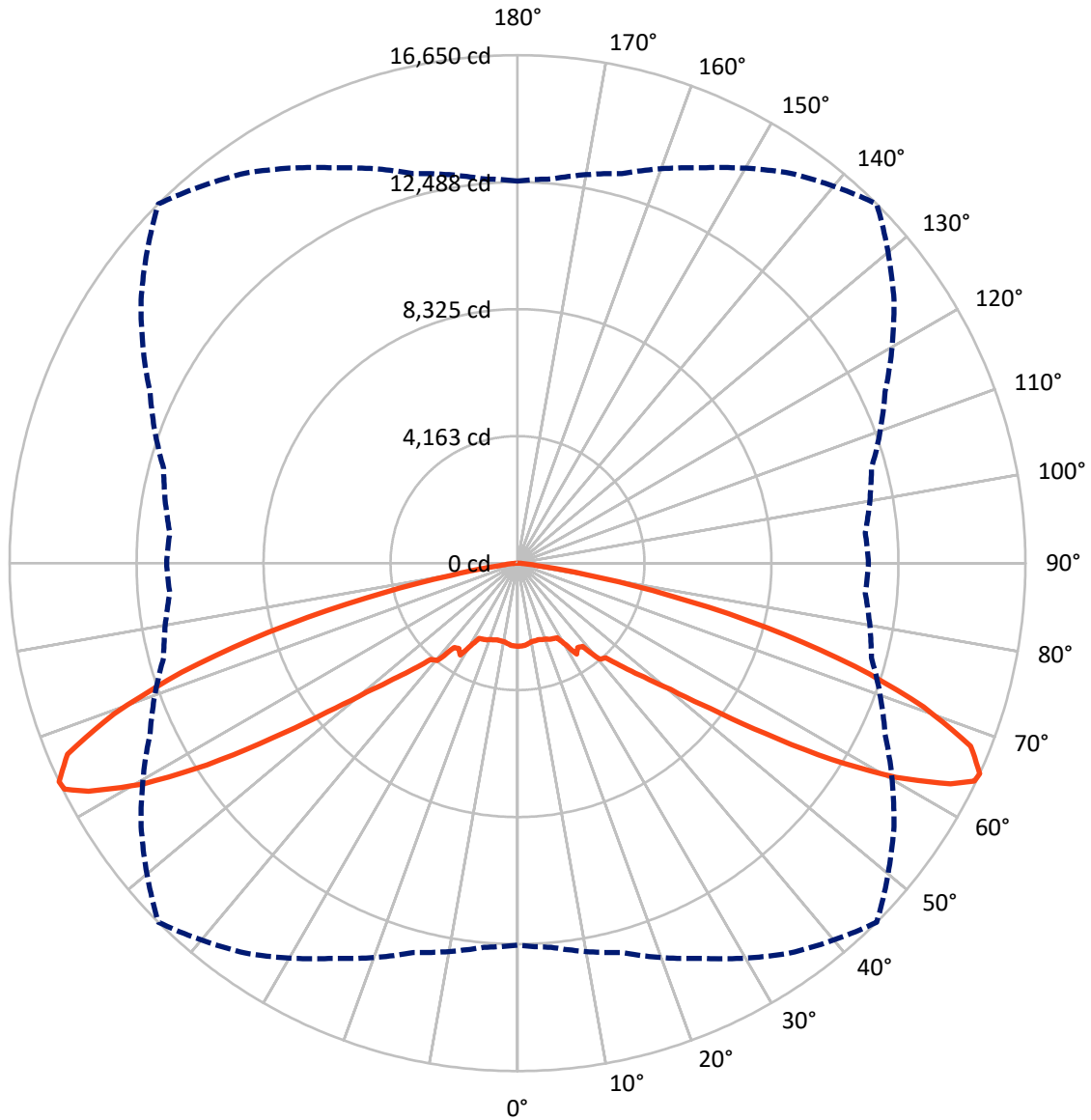
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

REPORT NUMBER: P479616
CATALOG NUMBER: IFLD-S-SA6C-727-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479616

CATALOG NUMBER: IFLD-S-SA6C-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17830.0	0.0	17830.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17830.0	0.0	17830.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35659.9	0.0	35659.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.9	0.7
10°-20°	751.6	2.1
20°-30°	1300.9	3.6
30°-40°	2163.1	6.1
40°-50°	3902.7	10.9
50°-60°	8693.8	24.4
60°-70°	12956.6	36.3
70°-80°	5369.4	15.1
80°-90°	265.9	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°	35659.9	100.0
0°-180°	35659.9	100.0

Coefficient of Utilization



REPORT NUMBER: P479616

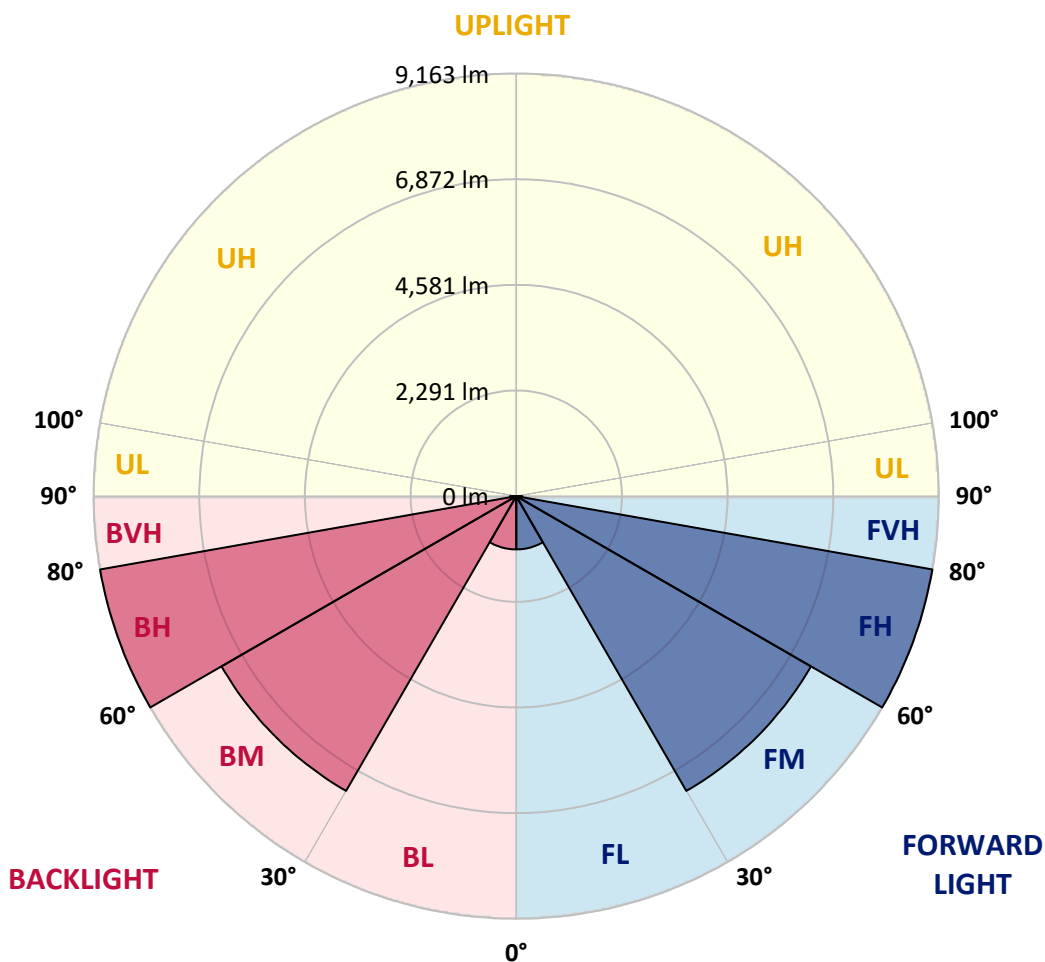
CATALOG NUMBER: IFLD-S-SA6C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1154.2	3.2			
FM (30°-60°)	7379.8	20.7			
FH (60°-80°)	9163.0	25.7			G4/12000
FVH (80°-90°)	133.0	0.4			G2/225
BL (0°-30°)	1154.2	3.2	B3/2500		
BM (30°-60°)	7379.8	20.7	B4/8500		
BH (60°-80°)	9163.0	25.7	B5		G4/12000
BVH (80°-90°)	133.0	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: P479616
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2726.4	2726.4	2726.4	2726.4	2726.4	2726.4	2726.4	2726.4	2726.4	2726.4	2726.4
2.5°	2694.9	2702.8	2698.8	2698.8	2710.7	2718.5	2722.5	2761.9	2746.1	2757.9	2746.1
5°	2702.8	2702.8	2710.7	2702.8	2710.7	2702.8	2710.7	2698.8	2710.7	2718.5	2730.4
7.5°	2687.0	2679.1	2667.3	2667.3	2663.4	2655.5	2643.7	2675.2	2659.4	2671.3	2691.0
10°	2691.0	2679.1	2639.7	2647.6	2612.2	2612.2	2620.0	2620.0	2655.5	2694.9	2706.7
12.5°	2691.0	2667.3	2655.5	2604.3	2604.3	2608.2	2627.9	2635.8	2659.4	2675.2	2714.6
15°	2691.0	2679.1	2659.4	2592.5	2608.2	2600.3	2620.0	2620.0	2671.3	2698.8	2718.5
17.5°	2706.7	2714.6	2679.1	2616.1	2620.0	2635.8	2624.0	2635.8	2698.8	2718.5	2746.1
20°	2710.7	2679.1	2667.3	2627.9	2663.4	2655.5	2651.6	2675.2	2694.9	2730.4	2761.9
22.5°	2702.8	2714.6	2667.3	2663.4	2694.9	2710.7	2718.5	2691.0	2714.6	2738.2	2765.8
25°	2769.8	2726.4	2714.6	2706.7	2722.5	2738.2	2730.4	2754.0	2754.0	2781.6	2817.0
27.5°	2951.0	2954.9	2931.3	2836.7	2805.2	2769.8	2785.5	2848.6	2923.4	2982.5	2994.3
30°	3033.7	3049.5	3112.5	3096.8	3085.0	3096.8	3092.8	3108.6	3116.5	3120.4	3108.6
32.5°	3108.6	3100.7	3073.1	3144.0	3376.5	3553.8	3384.4	3151.9	3100.7	3085.0	3100.7
35°	3380.4	3380.4	3321.3	3230.7	3352.9	3396.2	3317.4	3207.1	3270.1	3400.1	3408.0
37.5°	3731.1	3679.9	3703.5	3691.7	3557.7	3463.2	3601.1	3672.0	3683.8	3679.9	3719.3
40°	3939.9	3904.5	3869.0	3932.0	4054.2	4140.8	4018.7	3849.3	3892.6	3979.3	3943.9
42.5°	4416.6	4326.0	4333.9	4270.9	4266.9	4239.3	4211.8	4223.6	4286.6	4385.1	4400.9
45°	4905.2	4948.5	4920.9	4802.8	4857.9	4857.9	4779.1	4838.2	4869.7	4984.0	4999.7
47.5°	5669.5	5649.8	5661.7	5555.3	5551.3	5578.9	5551.3	5555.3	5653.8	5645.9	5602.6
50°	6563.9	6619.1	6634.8	6583.6	6520.6	6508.7	6465.4	6520.6	6579.7	6583.6	6548.1
52.5°	7801.0	7860.1	7860.1	7875.9	7954.7	7915.3	7907.4	7911.3	7797.1	7718.3	7757.7
55°	9361.2	9380.9	9447.9	9585.8	9826.1	9857.7	9707.9	9641.0	9432.1	9306.1	9404.6
57.5°	10901.7	10980.5	11165.7	11524.2	11819.7	12142.8	11709.4	11268.1	10858.4	10657.5	10692.9
60°	12182.2	12296.5	12651.1	13151.4	13970.9	14266.4	13533.6	12777.1	11945.8	11331.2	11579.4
62.5°	12785.0	12962.3	13261.7	14274.3	15503.6	15929.1	14853.5	13478.4	12217.7	11626.7	11614.9
64°	12789.0	12816.5	13415.4	14506.8	15771.5	16594.9	15172.6	13478.4	12284.6	11555.8	11689.7
65°	12525.0	12639.2	13218.4	14294.0	15602.0	16650.1	15062.3	13293.3	12008.8	11441.5	11504.5
67.5°	11327.2	11323.3	11859.1	12926.8	14743.1	16023.6	14124.6	12257.1	11327.2	10712.6	10787.5
70°	8592.9	8730.8	9243.0	10555.0	12757.4	14128.5	12351.6	10417.1	9258.8	8766.3	8738.7
72.5°	5141.6	5322.8	5976.8	7576.4	9908.9	11575.5	9802.5	7706.5	6311.7	5531.6	5551.3
75°	2344.2	2478.2	2927.4	4231.5	6603.3	8462.9	6642.7	4456.0	3195.3	2698.8	2627.9
77.5°	658.0	740.7	988.9	1942.4	3624.7	5074.6	3727.2	2147.3	1394.7	1158.3	1134.7
80°	295.5	311.3	350.7	472.8	1150.5	2237.9	1540.5	788.0	524.0	433.4	413.7
82.5°	161.5	173.4	228.5	244.3	327.0	594.9	508.2	370.4	315.2	252.2	244.3
85°	90.6	94.6	130.0	130.0	157.6	173.4	185.2	197.0	193.1	141.8	137.9
87.5°	27.6	31.5	39.4	39.4	39.4	39.4	63.0	86.7	94.6	67.0	67.0
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)