

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: P479734

Luminaire Tested: **IFLD-S-SA6D-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479734
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

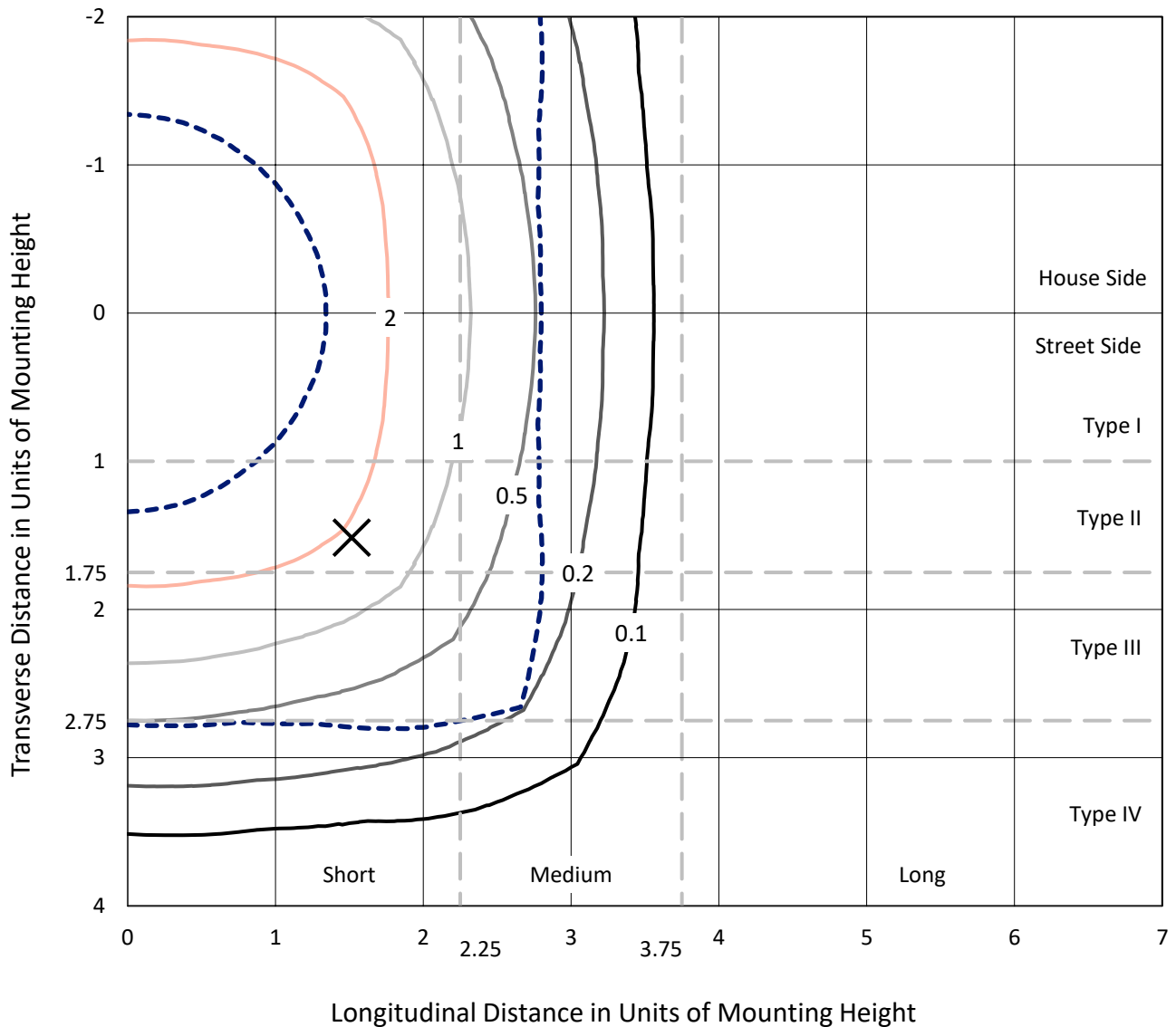
Lumens per Lamp: N/A
Luminaire Lumens: 46919.3 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 368.2
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

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Iso-Footcandle Lines of Horizontal Illumination

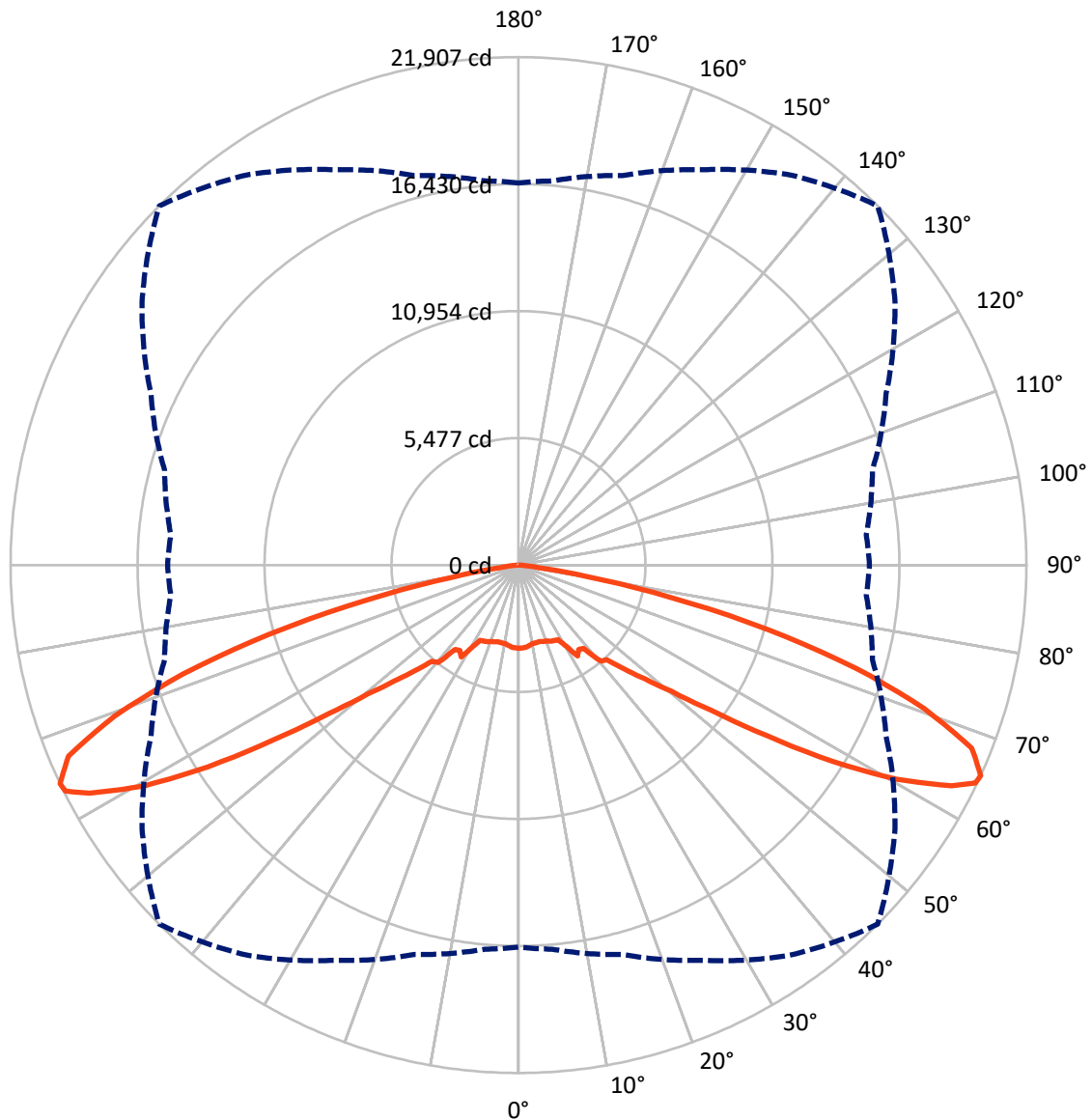
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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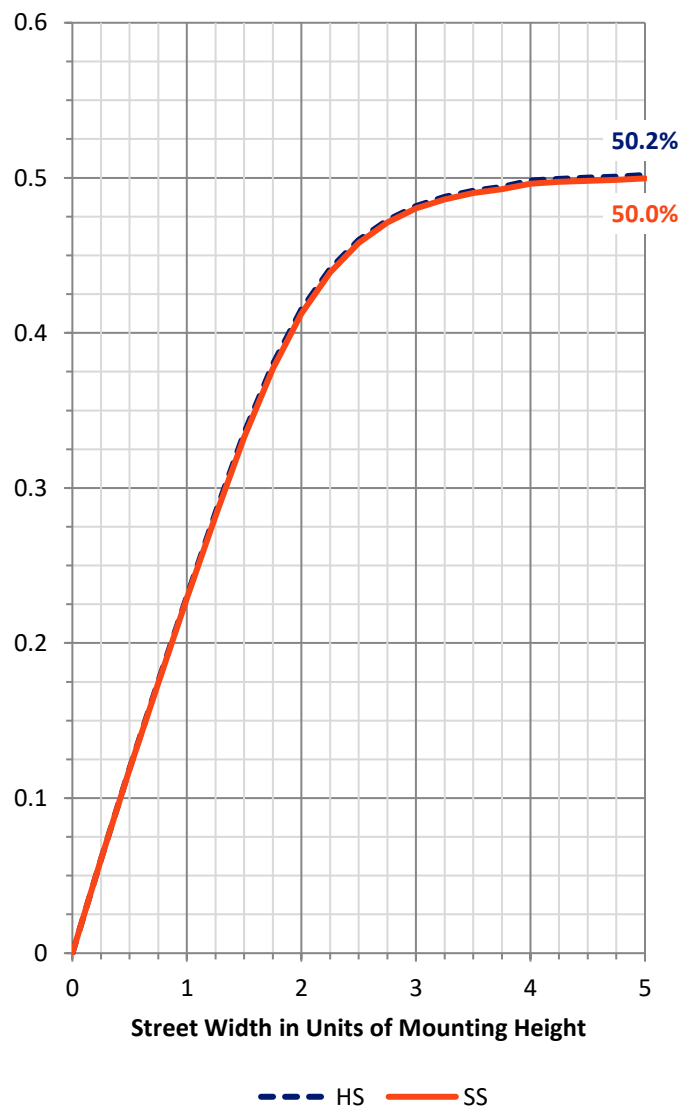
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23459.7	0.0	23459.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23459.7	0.0	23459.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	46919.3	0.0	46919.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.6	0.7
10°-20°	988.9	2.1
20°-30°	1711.7	3.6
30°-40°	2846.2	6.1
40°-50°	5134.9	10.9
50°-60°	11438.9	24.4
60°-70°	17047.6	36.3
70°-80°	7064.7	15.1
80°-90°	349.9	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°	46919.3	100.0
0°-180°	46919.3	100.0

Coefficient of Utilization



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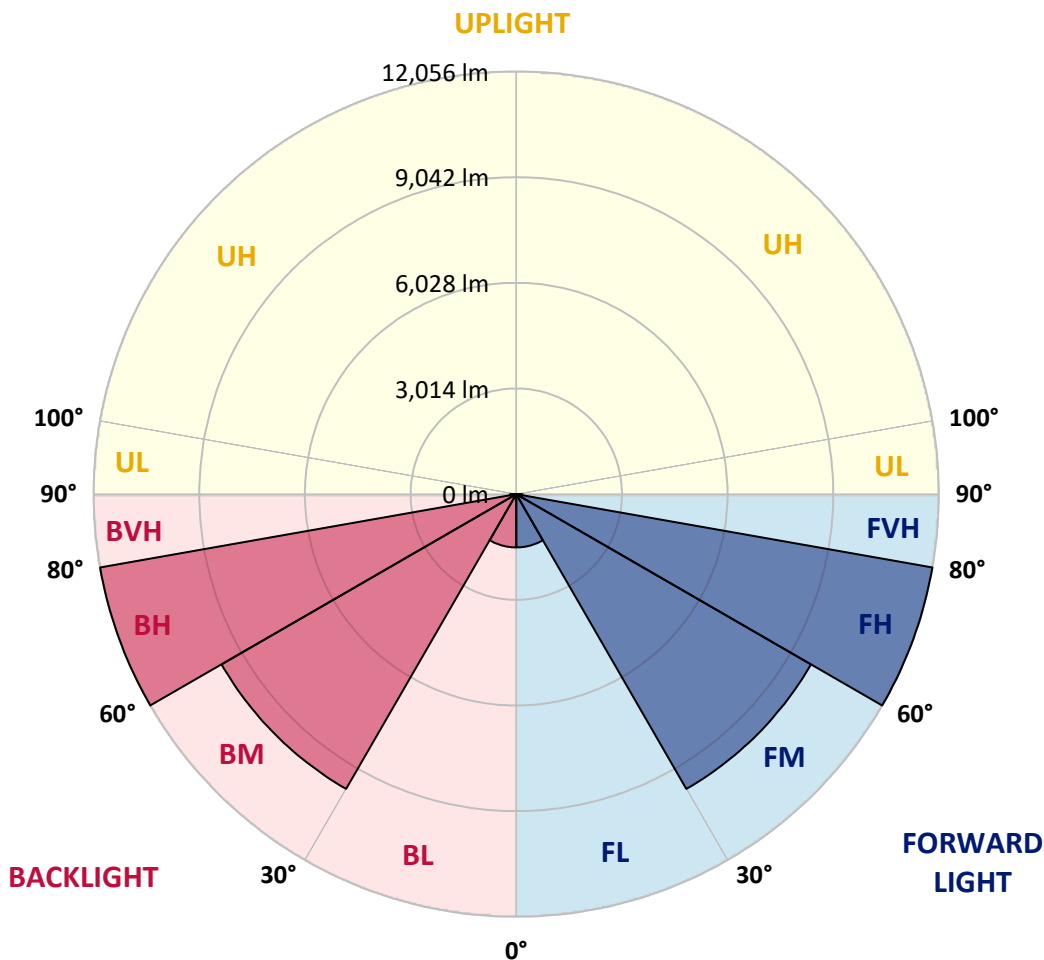
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1518.6	3.2			
FM (30°-60°)	9710.0	20.7			
FH (60°-80°)	12056.2	25.7			G5
FVH (80°-90°)	175.0	0.4			G2/225
BL (0°-30°)	1518.6	3.2	B3/2500		
BM (30°-60°)	9710.0	20.7	B5		
BH (60°-80°)	12056.2	25.7	B5		G5
BVH (80°-90°)	175.0	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-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3587.3	3587.3	3587.3	3587.3	3587.3	3587.3	3587.3	3587.3	3587.3	3587.3	3587.3
2.5°	3545.8	3556.2	3551.0	3551.0	3566.5	3576.9	3582.1	3633.9	3613.2	3628.7	3613.2
5°	3556.2	3556.2	3566.5	3556.2	3566.5	3556.2	3566.5	3551.0	3566.5	3576.9	3592.5
7.5°	3535.4	3525.1	3509.5	3509.5	3504.3	3494.0	3478.4	3519.9	3499.1	3514.7	3540.6
10°	3540.6	3525.1	3473.2	3483.6	3436.9	3436.9	3447.3	3447.3	3494.0	3545.8	3561.4
12.5°	3540.6	3509.5	3494.0	3426.6	3426.6	3431.8	3457.7	3468.0	3499.1	3519.9	3571.7
15°	3540.6	3525.1	3499.1	3411.0	3431.8	3421.4	3447.3	3447.3	3514.7	3551.0	3576.9
17.5°	3561.4	3571.7	3525.1	3442.1	3447.3	3468.0	3452.5	3468.0	3551.0	3576.9	3613.2
20°	3566.5	3525.1	3509.5	3457.7	3504.3	3494.0	3488.8	3519.9	3545.8	3592.5	3633.9
22.5°	3556.2	3571.7	3509.5	3504.3	3545.8	3566.5	3576.9	3540.6	3571.7	3602.8	3639.1
25°	3644.3	3587.3	3571.7	3561.4	3582.1	3602.8	3592.5	3623.6	3623.6	3659.8	3706.5
27.5°	3882.8	3887.9	3856.8	3732.4	3690.9	3644.3	3665.0	3748.0	3846.5	3924.2	3939.8
30°	3991.6	4012.4	4095.3	4074.6	4059.0	4074.6	4069.4	4090.1	4100.5	4105.7	4090.1
32.5°	4090.1	4079.7	4043.5	4136.8	4442.6	4675.9	4453.0	4147.1	4079.7	4059.0	4079.7
35°	4447.8	4447.8	4370.0	4250.8	4411.5	4468.5	4364.9	4219.7	4302.7	4473.7	4484.1
37.5°	4909.2	4841.8	4872.9	4857.3	4681.1	4556.7	4738.1	4831.4	4847.0	4841.8	4893.6
40°	5183.9	5137.3	5090.6	5173.5	5334.3	5448.3	5287.6	5064.7	5121.7	5235.8	5189.1
42.5°	5811.2	5691.9	5702.3	5619.4	5614.2	5577.9	5541.6	5557.2	5640.1	5769.7	5790.4
45°	6454.0	6511.0	6474.7	6319.2	6391.8	6391.8	6288.1	6365.8	6407.3	6557.7	6578.4
47.5°	7459.7	7433.7	7449.3	7309.3	7304.1	7340.4	7304.1	7309.3	7438.9	7428.6	7371.5
50°	8636.4	8709.0	8729.7	8662.3	8579.4	8563.8	8506.8	8579.4	8657.1	8662.3	8615.7
52.5°	10264.2	10341.9	10341.9	10362.6	10466.3	10414.5	10404.1	10409.3	10259.0	10155.3	10207.1
55°	12317.0	12342.9	12431.0	12612.5	12928.7	12970.2	12773.2	12685.0	12410.3	12244.4	12374.0
57.5°	14343.9	14447.6	14691.2	15163.0	15551.7	15976.8	15406.6	14826.0	14286.9	14022.5	14069.1
60°	16028.7	16179.0	16645.6	17303.9	18382.2	18771.0	17806.8	16811.4	15717.6	14908.9	15235.5
62.5°	16821.8	17055.1	17449.1	18781.3	20398.7	20958.6	19543.4	17734.2	16075.3	15297.7	15282.2
64°	16827.0	16863.3	17651.2	19087.2	20751.2	21834.7	19963.3	17734.2	16163.5	15204.4	15380.7
65°	16479.7	16630.0	17392.0	18807.2	20528.3	21907.2	19818.1	17490.5	15800.6	15054.1	15137.0
67.5°	14903.8	14898.6	15603.6	17008.4	19398.2	21083.0	18584.3	16127.2	14903.8	14095.1	14193.6
70°	11306.1	11487.6	12161.5	13887.7	16785.5	18589.5	16251.6	13706.3	12182.2	11534.2	11497.9
72.5°	6765.0	7003.5	7864.0	9968.7	13037.5	15230.3	12897.6	10139.7	8304.6	7278.2	7304.1
75°	3084.4	3260.7	3851.6	5567.5	8688.2	11135.1	8740.1	5863.0	4204.2	3551.0	3457.7
77.5°	865.7	974.6	1301.2	2555.7	4769.2	6676.9	4904.0	2825.2	1835.1	1524.1	1493.0
80°	388.8	409.5	461.4	622.1	1513.7	2944.5	2026.9	1036.8	689.5	570.2	544.3
82.5°	212.5	228.1	300.7	321.4	430.3	782.8	668.7	487.3	414.7	331.8	321.4
85°	119.2	124.4	171.1	171.1	207.4	228.1	243.6	259.2	254.0	186.6	181.4
87.5°	36.3	41.5	51.8	51.8	51.8	51.8	82.9	114.0	124.4	88.1	88.1
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)