

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: P479825

Luminaire Tested: **IFLD-L-SA8B-760-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479825
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-760-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

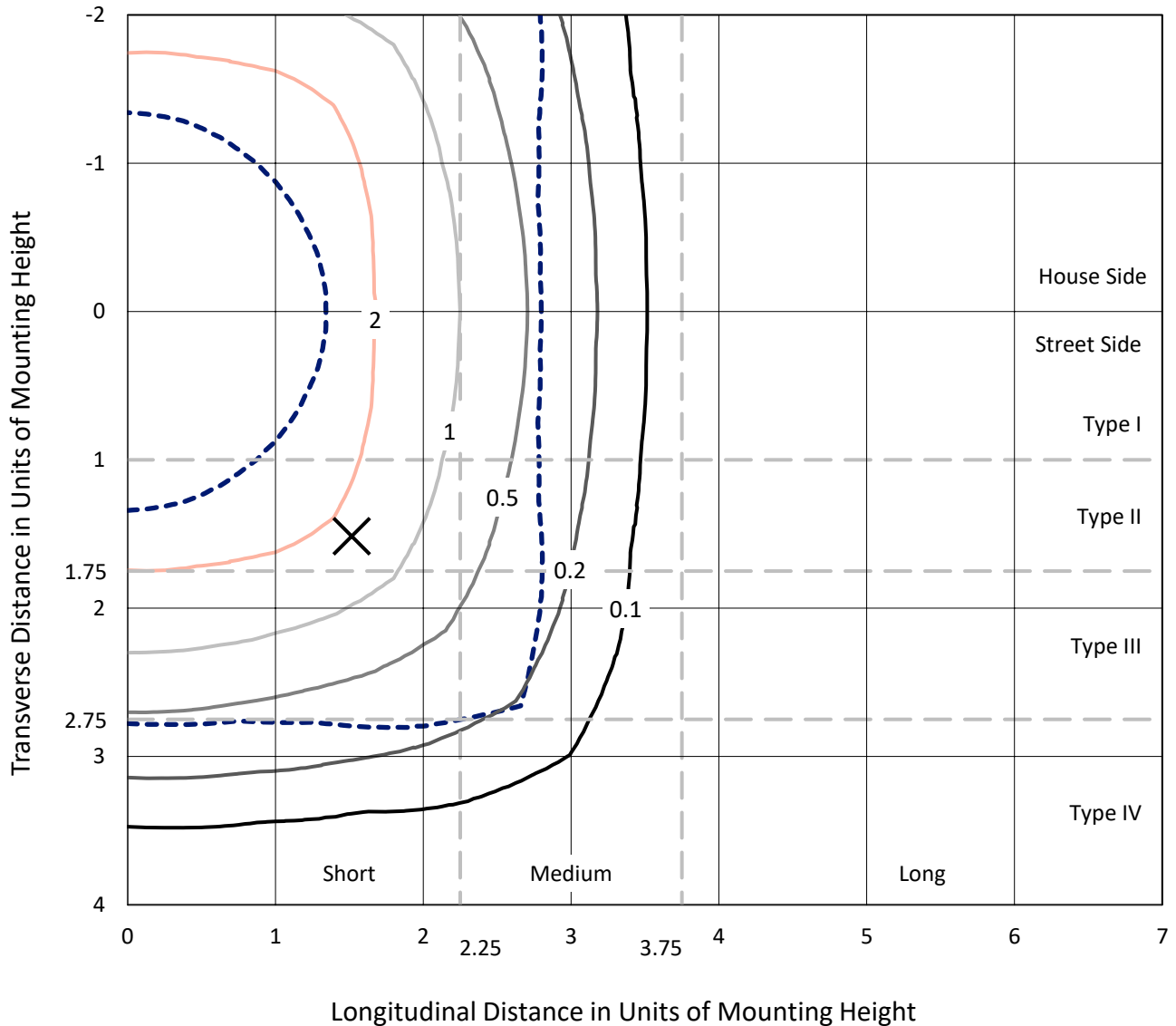
Lumens per Lamp: N/A
Luminaire Lumens: 42721 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 320
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

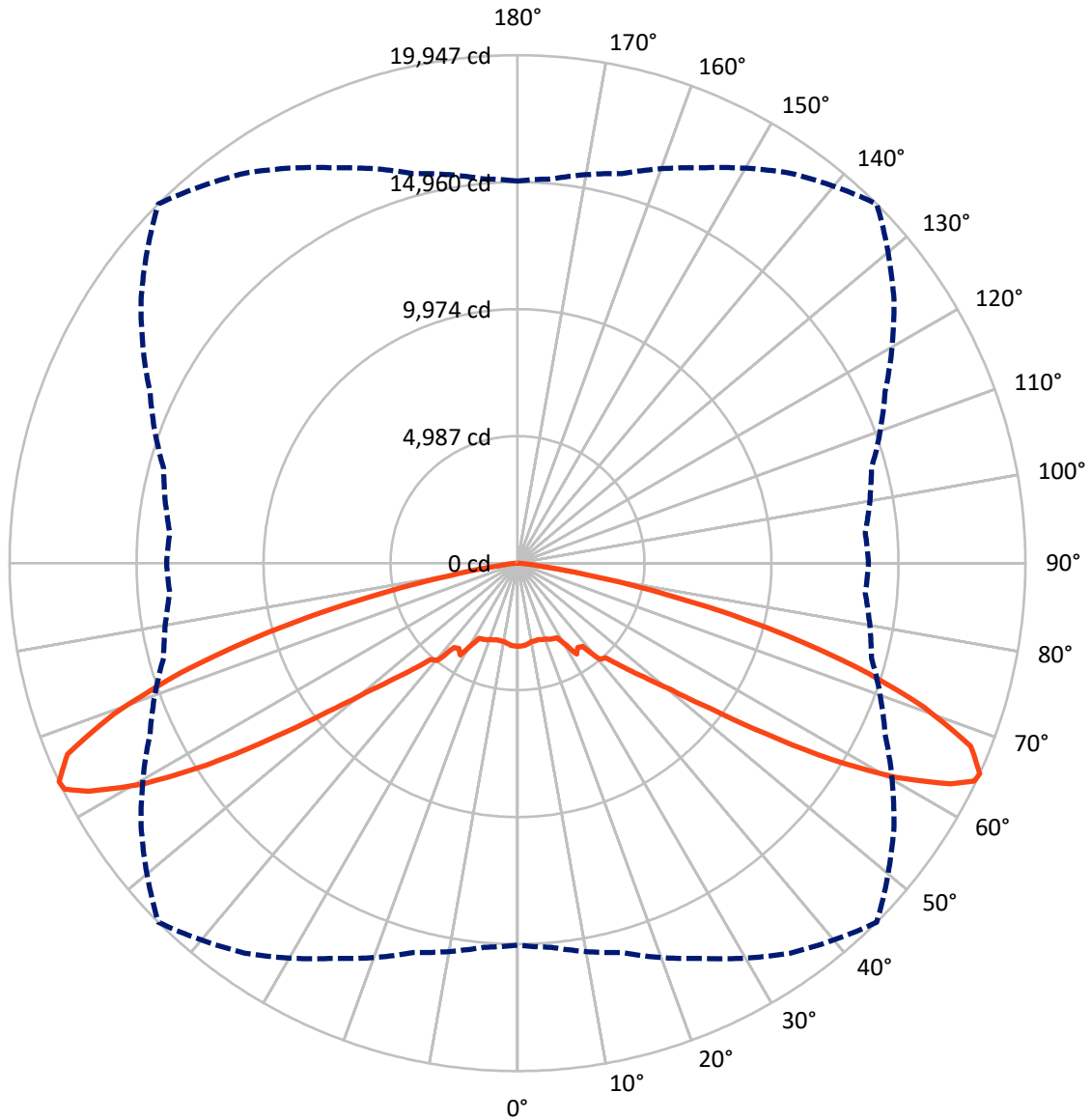
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 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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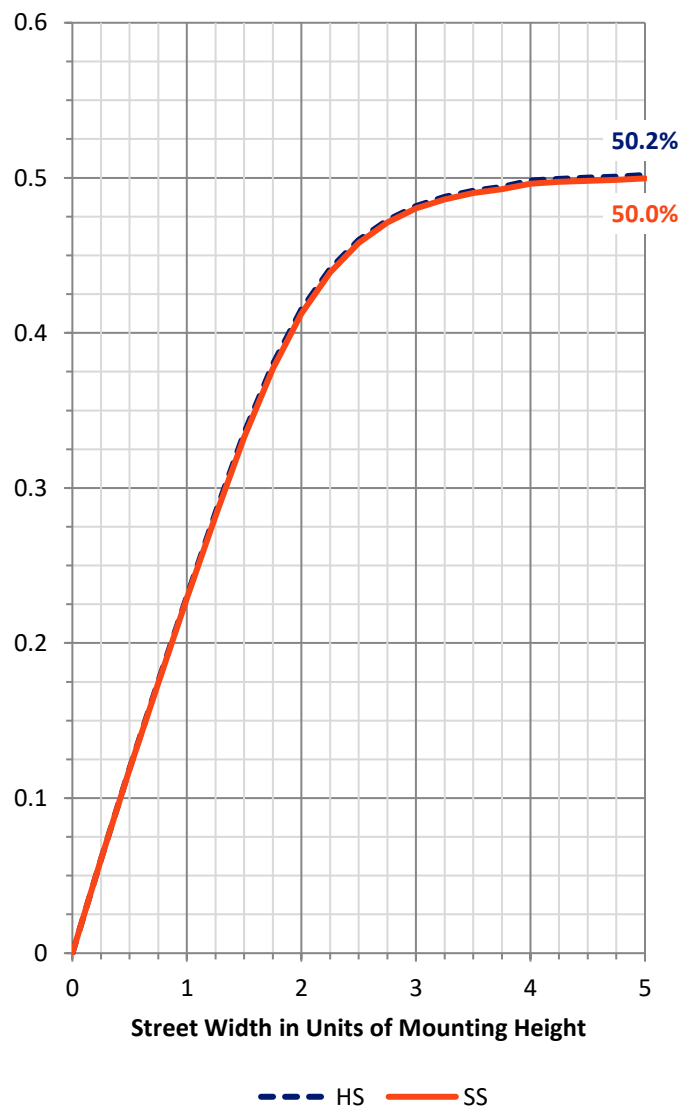
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21360.5	0.0	21360.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21360.5	0.0	21360.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42721.0	0.0	42721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.5	0.7
10°-20°	900.4	2.1
20°-30°	1558.5	3.6
30°-40°	2591.5	6.1
40°-50°	4675.4	10.9
50°-60°	10415.3	24.4
60°-70°	15522.2	36.3
70°-80°	6432.6	15.1
80°-90°	318.6	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°	42721.0	100.0
0°-180°	42721.0	100.0

Coefficient of Utilization



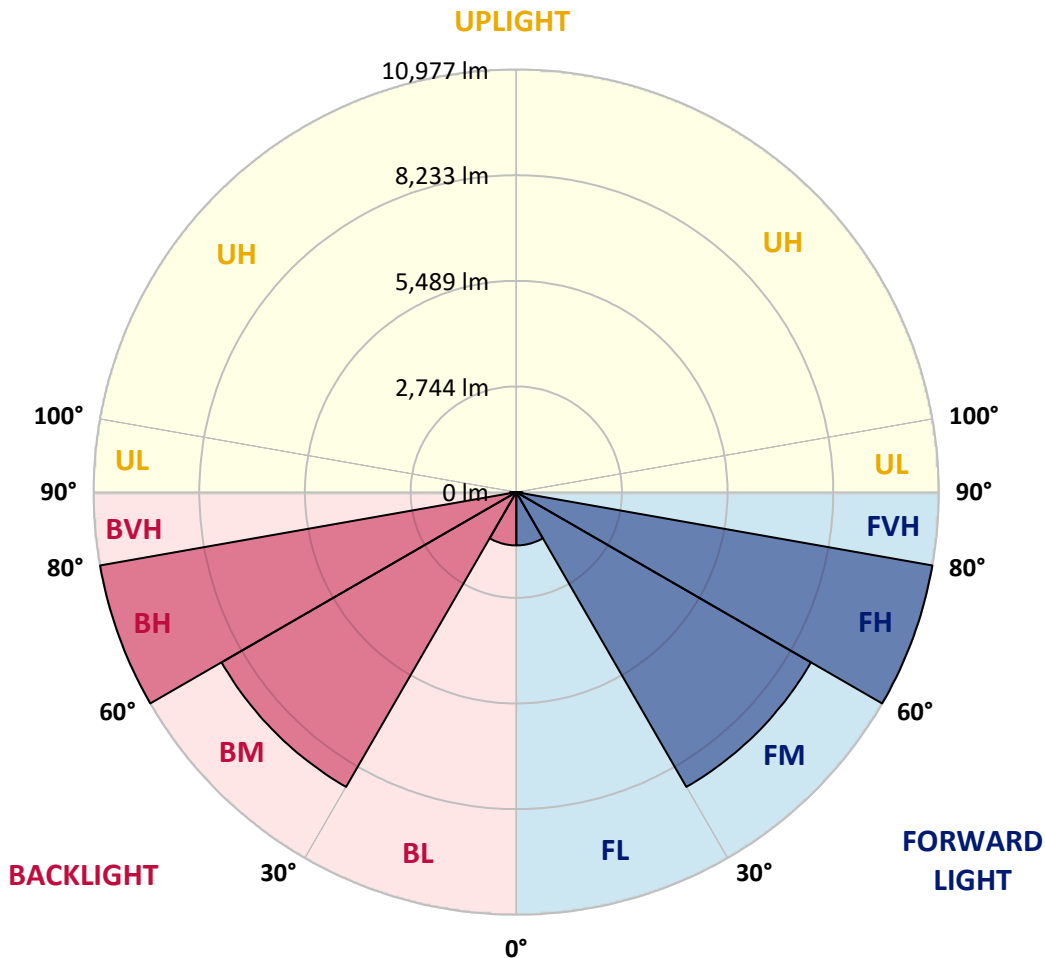
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.7	3.2			
FM (30°-60°)	8841.1	20.7			
FH (60°-80°)	10977.4	25.7			G4/12000
FVH (80°-90°)	159.3	0.4			G2/225
BL (0°-30°)	1382.7	3.2	B3/2500		
BM (30°-60°)	8841.1	20.7	B5		
BH (60°-80°)	10977.4	25.7	B5		G4/12000
BVH (80°-90°)	159.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3266.3	3266.3	3266.3	3266.3	3266.3	3266.3	3266.3	3266.3	3266.3	3266.3	3266.3
2.5°	3228.5	3238.0	3233.2	3233.2	3247.4	3256.8	3261.6	3308.8	3289.9	3304.0	3289.9
5°	3238.0	3238.0	3247.4	3238.0	3247.4	3238.0	3247.4	3233.2	3247.4	3256.8	3271.0
7.5°	3219.1	3209.6	3195.5	3195.5	3190.8	3181.3	3167.2	3204.9	3186.0	3200.2	3223.8
10°	3223.8	3209.6	3162.4	3171.9	3129.4	3129.4	3138.8	3138.8	3181.3	3228.5	3242.7
12.5°	3223.8	3195.5	3181.3	3120.0	3120.0	3124.7	3148.3	3157.7	3186.0	3204.9	3252.1
15°	3223.8	3209.6	3186.0	3105.8	3124.7	3115.2	3138.8	3138.8	3200.2	3233.2	3256.8
17.5°	3242.7	3252.1	3209.6	3134.1	3138.8	3157.7	3143.6	3157.7	3233.2	3256.8	3289.9
20°	3247.4	3209.6	3195.5	3148.3	3190.8	3181.3	3176.6	3204.9	3228.5	3271.0	3308.8
22.5°	3238.0	3252.1	3195.5	3190.8	3228.5	3247.4	3256.8	3223.8	3252.1	3280.4	3313.5
25°	3318.2	3266.3	3252.1	3242.7	3261.6	3280.4	3271.0	3299.3	3299.3	3332.4	3374.8
27.5°	3535.3	3540.0	3511.7	3398.4	3360.7	3318.2	3337.1	3412.6	3502.3	3573.1	3587.2
30°	3634.4	3653.3	3728.9	3710.0	3695.8	3710.0	3705.2	3724.1	3733.6	3738.3	3724.1
32.5°	3724.1	3714.7	3681.6	3766.6	4045.1	4257.5	4054.5	3776.1	3714.7	3695.8	3714.7
35°	4049.8	4049.8	3979.0	3870.5	4016.8	4068.7	3974.3	3842.1	3917.7	4073.4	4082.9
37.5°	4469.9	4408.5	4436.9	4422.7	4262.2	4148.9	4314.1	4399.1	4413.3	4408.5	4455.7
40°	4720.1	4677.6	4635.1	4710.6	4856.9	4960.8	4814.5	4611.5	4663.4	4767.3	4724.8
42.5°	5291.2	5182.6	5192.1	5116.5	5111.8	5078.8	5045.7	5059.9	5135.4	5253.4	5272.3
45°	5876.5	5928.4	5895.4	5753.8	5819.8	5819.8	5725.4	5796.2	5834.0	5970.9	5989.8
47.5°	6792.2	6768.6	6782.7	6655.3	6650.6	6683.6	6650.6	6655.3	6773.3	6763.9	6711.9
50°	7863.6	7929.7	7948.6	7887.2	7811.7	7797.5	7745.6	7811.7	7882.5	7887.2	7844.7
52.5°	9345.7	9416.5	9416.5	9435.4	9529.8	9482.6	9473.2	9477.9	9341.0	9246.6	9293.8
55°	11214.9	11238.5	11318.7	11483.9	11771.8	11809.6	11630.2	11550.0	11299.8	11148.8	11266.8
57.5°	13060.4	13154.8	13376.7	13806.2	14160.2	14547.2	14028.0	13499.4	13008.5	12767.8	12810.3
60°	14594.4	14731.3	15156.1	15755.6	16737.3	17091.4	16213.4	15307.2	14311.2	13574.9	13872.3
62.5°	15316.6	15529.0	15887.7	17100.8	18573.5	19083.2	17794.6	16147.3	14636.9	13928.9	13914.7
64°	15321.3	15354.4	16071.8	17379.3	18894.4	19880.9	18177.0	16147.3	14717.2	13843.9	14004.4
65°	15005.1	15142.0	15835.8	17124.4	18691.5	19947.0	18044.8	15925.5	14386.8	13707.1	13782.6
67.5°	13570.2	13565.5	14207.4	15486.5	17662.5	19196.5	16921.4	14684.1	13570.2	12833.9	12923.5
70°	10294.5	10459.7	11073.3	12645.1	15283.6	16926.1	14797.4	12479.8	11092.1	10502.1	10469.1
72.5°	6159.7	6376.8	7160.3	9076.7	11871.0	13867.5	11743.5	9232.4	7561.5	6627.0	6650.6
75°	2808.4	2968.9	3507.0	5069.3	7910.8	10138.7	7958.0	5338.4	3828.0	3233.2	3148.3
77.5°	788.3	887.4	1184.7	2327.0	4342.5	6079.4	4465.2	2572.4	1670.9	1387.7	1359.4
80°	354.0	372.9	420.1	566.4	1378.3	2681.0	1845.5	944.0	627.8	519.2	495.6
82.5°	193.5	207.7	273.8	292.6	391.8	712.7	608.9	443.7	377.6	302.1	292.6
85°	108.6	113.3	155.8	155.8	188.8	207.7	221.8	236.0	231.3	169.9	165.2
87.5°	33.0	37.8	47.2	47.2	47.2	47.2	75.5	103.8	113.3	80.2	80.2
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)