

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 768862

Luminaire Tested: **ACN25SXX55X1XR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768862
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN25SXX55X1XR
Description: GENERATIONS POST TOP
W/CLEAR TOP
Light Source: 250 WATT HPS CLEAR E-18
Ballast/Driver: -

Summary

Lumens per Lamp: 27500 (1 lamp)
Luminaire Lumens: 22779.9 lumens
Efficiency: 82.8%
Efficacy: 91.1 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U5 - G5

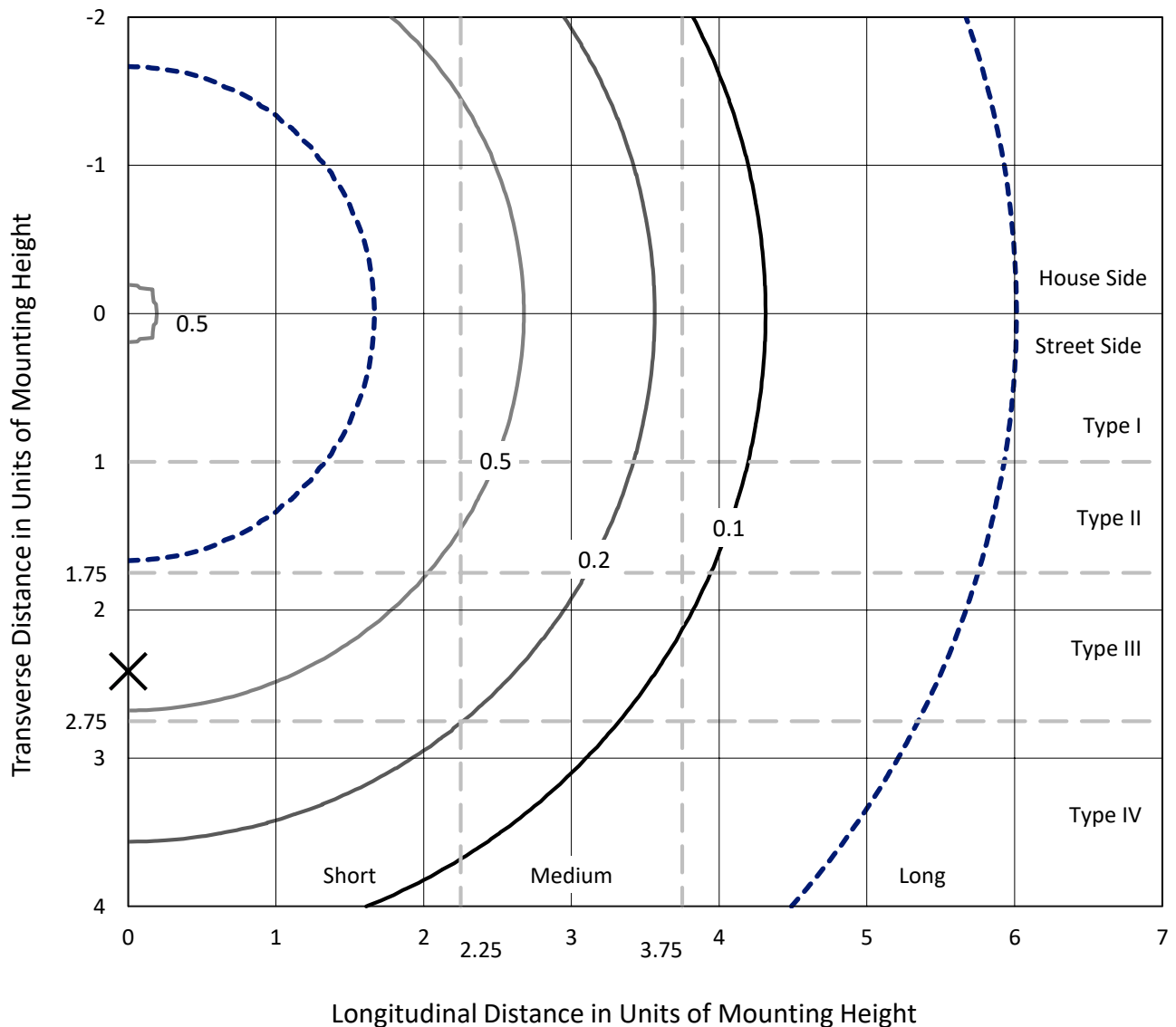
Input Watts (W): 250
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

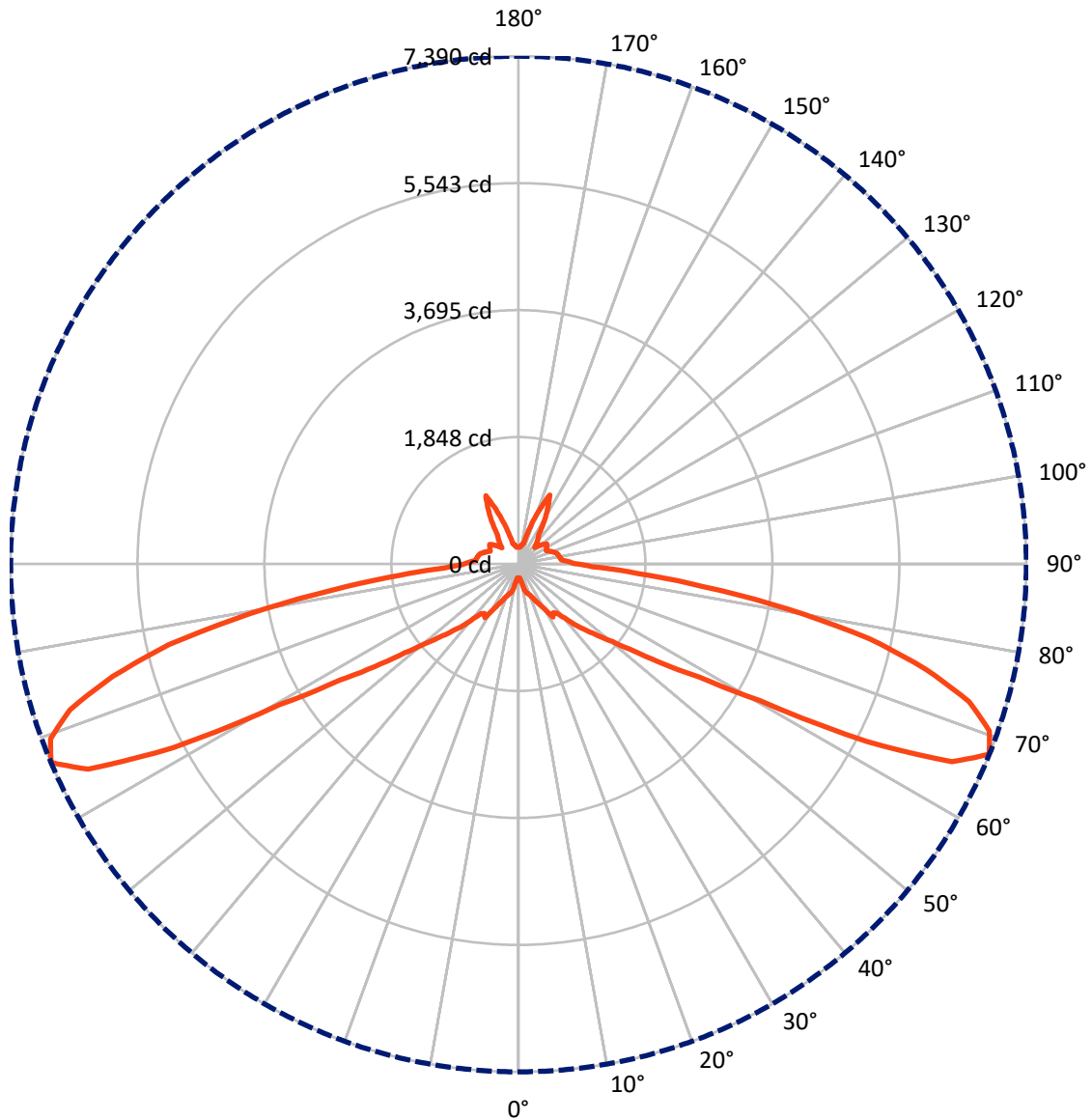
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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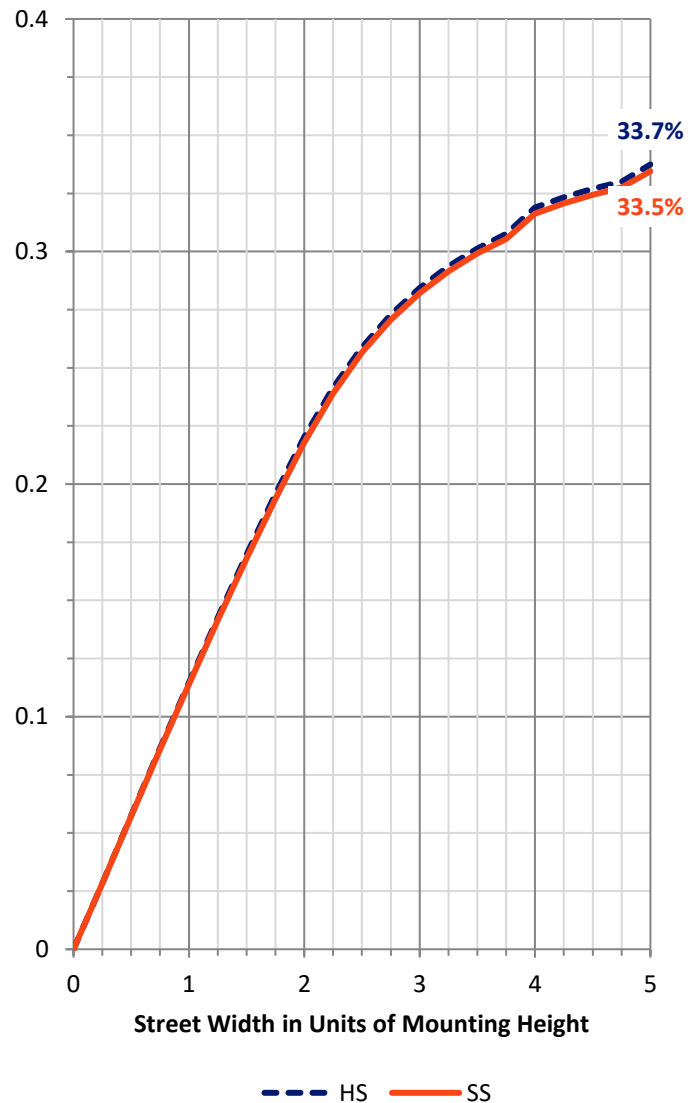
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9661.2	1728.7	11389.9
	% Lamp	35.1	6.3	41.4
Street Side	Lumens	9661.2	1728.7	11389.9
	% Lamp	35.1	6.3	41.4
Total	Lumens	19322.5	3457.4	22779.9
	% Lamp	70.3	12.6	82.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	22.5	0.1	0.1
10°-20°	119.7	0.5	0.4
20°-30°	287.0	1.3	1.0
30°-40°	566.9	2.5	2.1
40°-50°	1078.3	4.7	3.9
50°-60°	2410.8	10.6	8.8
60°-70°	6391.0	28.1	23.2
70°-80°	6290.2	27.6	22.9
80°-90°	2156.1	9.5	7.8
90°-100°	728.9	3.2	2.7
100°-110°	593.2	2.6	2.2
110°-120°	493.1	2.2	1.8
120°-130°	403.3	1.8	1.5
130°-140°	330.3	1.4	1.2
140°-150°	391.4	1.7	1.4
150°-160°	352.0	1.5	1.3
160°-170°	139.4	0.6	0.5
170°-180°	24.9	0.1	0.1
0°-90°	19322.5	84.8	70.3
0°-180°	22779.9	100.0	82.8



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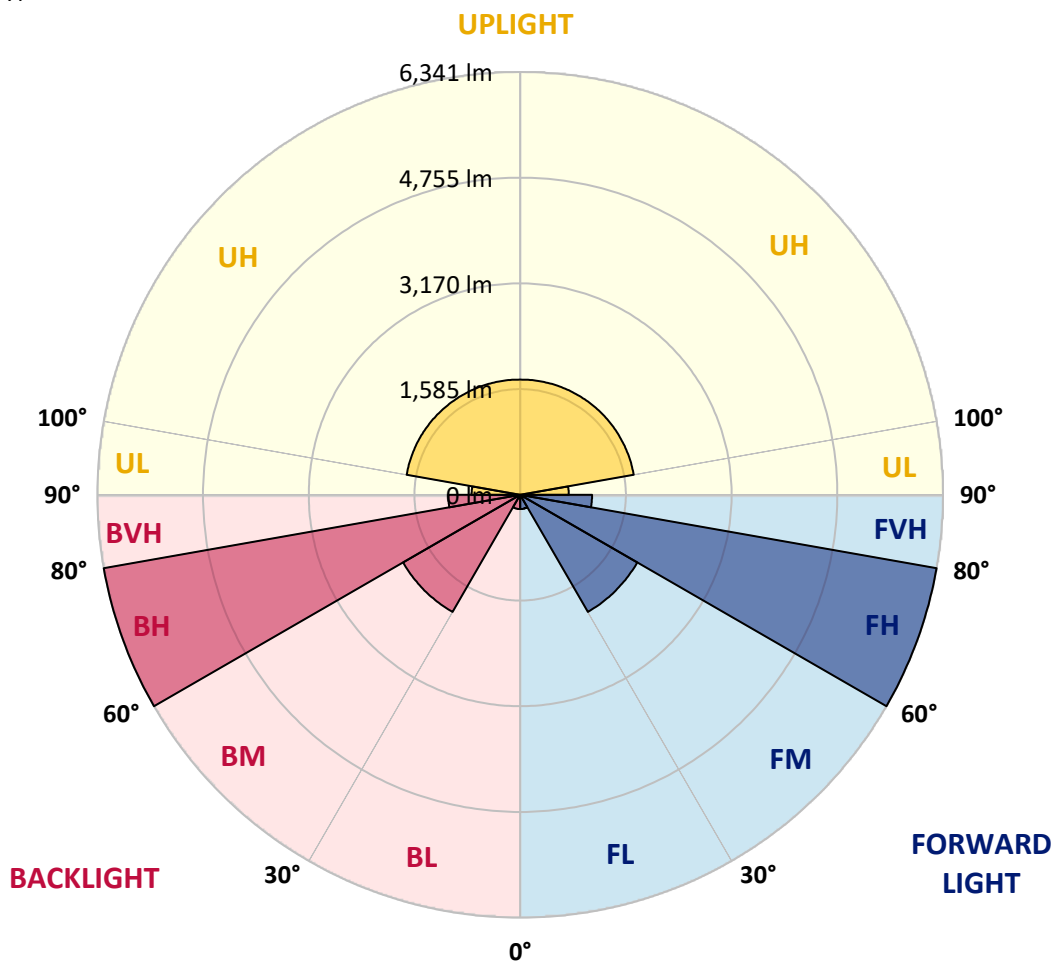
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.6	0.8			
FM	(30°-60°)	2028.0	7.4			
FH	(60°-80°)	6340.6	23.1			G3/7500
FVH	(80°-90°)	1078.0	3.9			G5
BL	(0°-30°)	214.6	0.8	B1/500		
BM	(30°-60°)	2028.0	7.4	B2/2500		
BH	(60°-80°)	6340.6	23.1	B5		G3/7500
BVH	(80°-90°)	1078.0	3.9			G5
UL	(90°-100°)	728.9	2.7		U4/1000	
UH	(100°-180°)	1728.7	6.3		U5	
Trapped Light		4720.1	17.2			

BUG Rating: B5-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	209
2.5°	202
5°	201
7.5°	244
10°	285
12.5°	384
15°	433
17.5°	451
20°	485
22.5°	536
25°	605
27.5°	677
30°	773
32.5°	919
35°	872
37.5°	906
40°	1030
42.5°	1210
45°	1363
47.5°	1555
50°	1774
52.5°	2096
55°	2566
57.5°	3102
60°	4031
62.5°	5696
65°	6933
67.5°	7390
70°	7269
72.5°	6860
75°	6128
77.5°	5221
80°	3975
82.5°	2719
85°	1738
87.5°	1071
90°	810
95°	628
105°	583
115°	449
125°	506
135°	337
145°	526
155°	1103
165°	310



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CANDELA DISTRIBUTION (continued):

	0°
175°	244
180°	245

(END OF REPORT)