

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: 768859

Luminaire Tested: **ACN25SXX55X1X**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768859
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN25SXX55X1X
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: 25603.9 lumens
Efficiency: 93.1%
Efficacy: 102.4 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U5 - G5

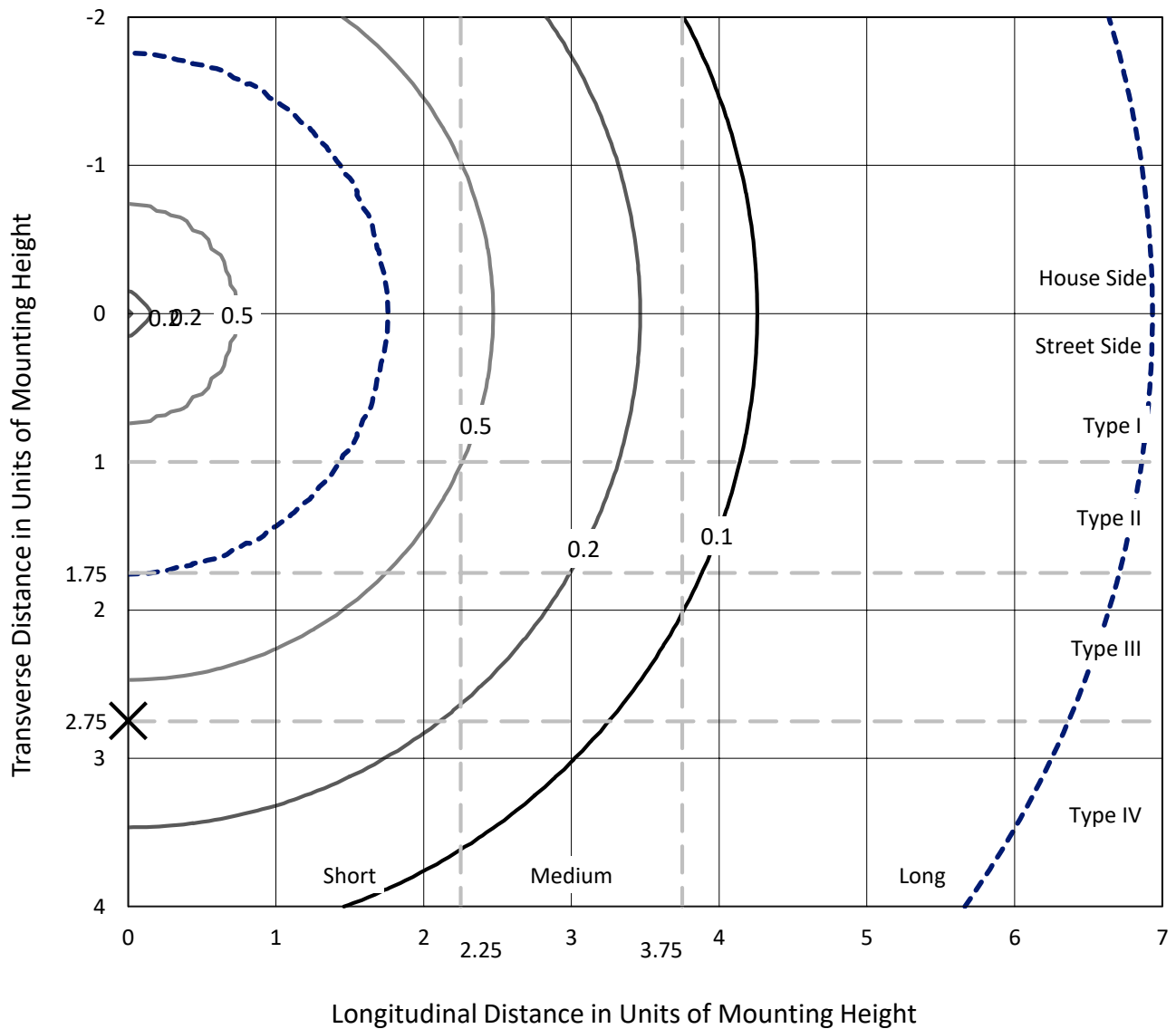
Input Watts (W): 250
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

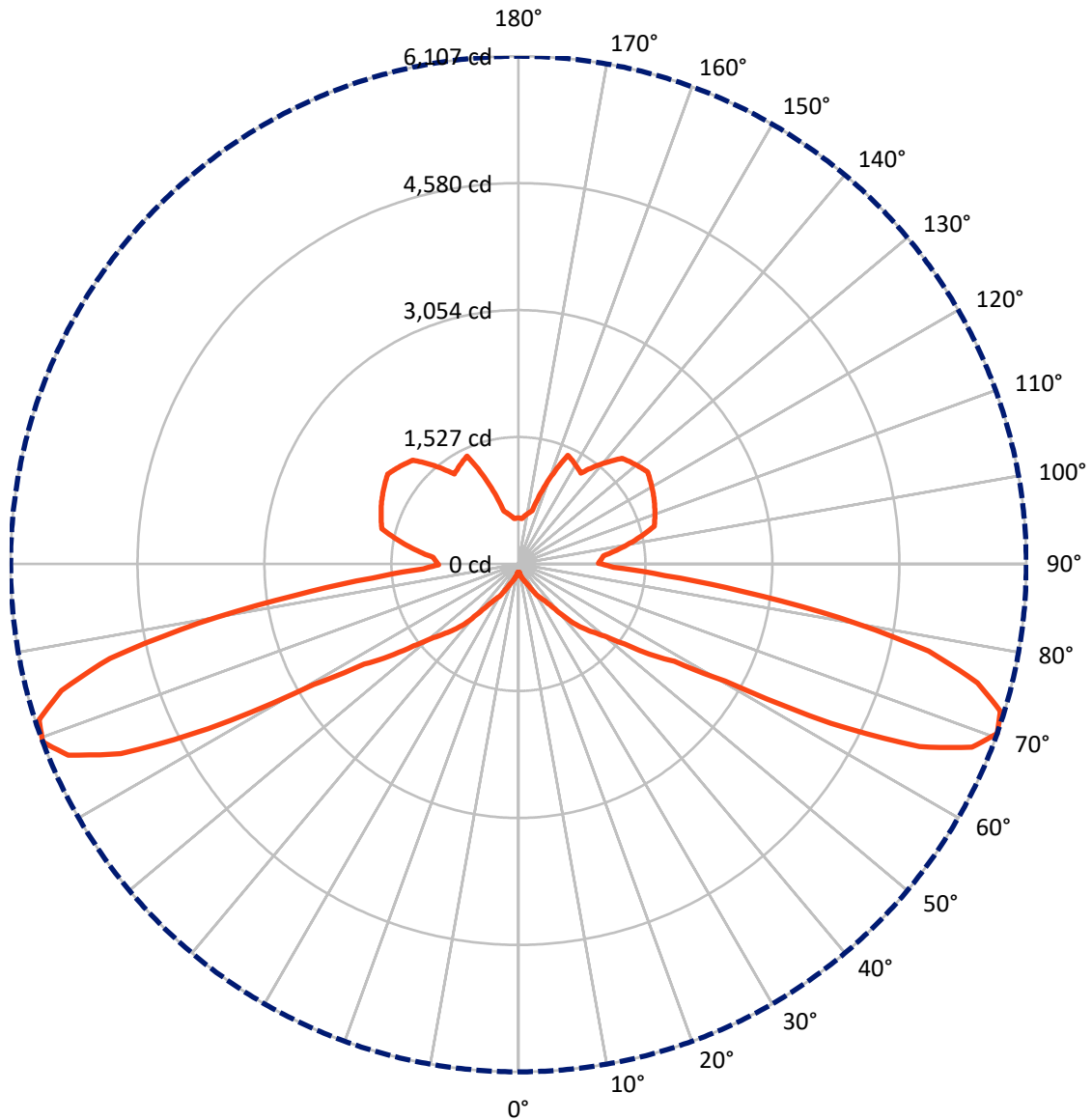
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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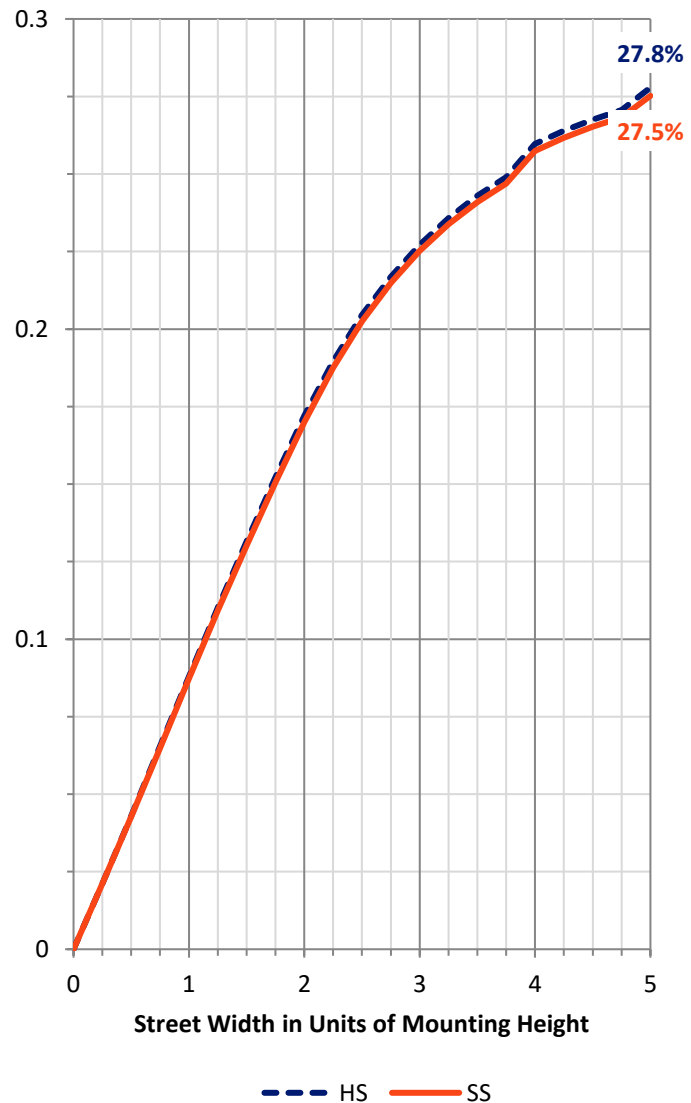
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8053.3	4748.7	12801.9
	% Lamp	29.3	17.3	46.6
Street Side	Lumens	8053.3	4748.7	12801.9
	% Lamp	29.3	17.3	46.6
Total	Lumens	16106.5	9497.4	25603.9
	% Lamp	58.6	34.5	93.1

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	11.5	0.0	0.0
10°-20°	52.7	0.2	0.2
20°-30°	144.2	0.6	0.5
30°-40°	360.7	1.4	1.3
40°-50°	857.1	3.3	3.1
50°-60°	1769.5	6.9	6.4
60°-70°	4953.8	19.3	18.0
70°-80°	5761.8	22.5	21.0
80°-90°	2195.2	8.6	8.0
90°-100°	1193.3	4.7	4.3
100°-110°	1646.9	6.4	6.0
110°-120°	1791.7	7.0	6.5
120°-130°	1660.9	6.5	6.0
130°-140°	1316.0	5.1	4.8
140°-150°	922.0	3.6	3.4
150°-160°	562.4	2.2	2.0
160°-170°	234.4	0.9	0.9
170°-180°	55.4	0.2	0.2
0°-90°	16106.5	62.9	58.6
0°-180°	25603.9	100.0	93.1



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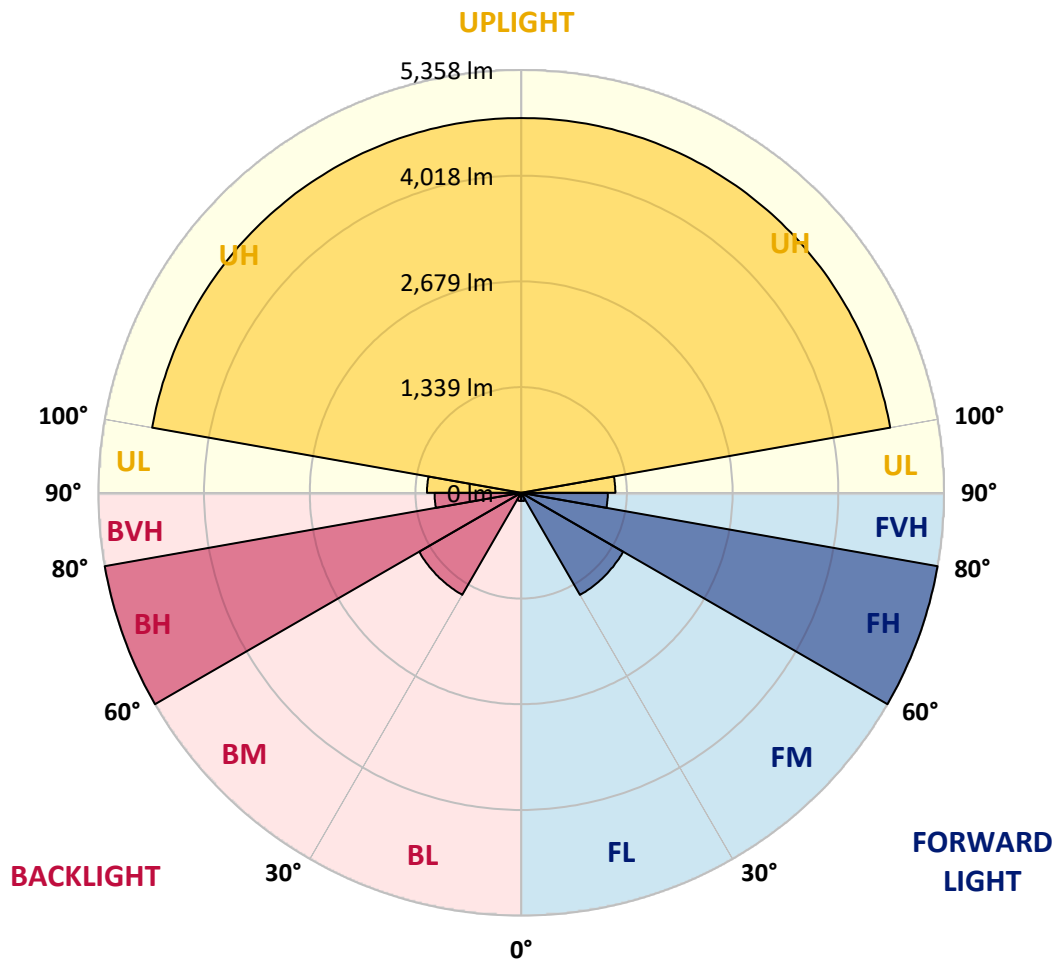
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.2	0.4			
FM	(30°-60°)	1493.6	5.4			
FH	(60°-80°)	5357.8	19.5			G3/7500
FVH	(80°-90°)	1097.6	4.0			G5
BL	(0°-30°)	104.2	0.4	B0/110		
BM	(30°-60°)	1493.6	5.4	B2/2500		
BH	(60°-80°)	5357.8	19.5	B5		G3/7500
BVH	(80°-90°)	1097.6	4.0			G5
UL	(90°-100°)	1193.3	4.3		U5	
UH	(100°-180°)	4748.7	17.3		U5	
Trapped Light		1896.1	6.9			

BUG Rating: B5-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	127
2.5°	115
5°	101
7.5°	122
10°	144
12.5°	160
15°	181
17.5°	201
20°	226
22.5°	253
25°	292
27.5°	350
30°	430
32.5°	482
35°	540
37.5°	639
40°	788
42.5°	972
45°	1108
47.5°	1234
50°	1376
52.5°	1600
55°	1912
57.5°	2210
60°	2854
62.5°	4220
65°	5297
67.5°	5881
70°	6107
72.5°	6060
75°	5703
77.5°	5042
80°	3915
82.5°	2713
85°	1768
87.5°	1144
90°	961
95°	1027
105°	1696
115°	1808
125°	1908
135°	1781
145°	1327
155°	1436
165°	661



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CANDELA DISTRIBUTION (continued):

	0°
175°	549
180°	555

(END OF REPORT)