

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: 768069

Luminaire Tested: **ACN15SXX55X1XP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 768069
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN15SXX55X1XP
Description: REFRACTIVE GLOBE TYPE V POLYCARB
WITH CLEAR TOP
Light Source: 150W HPS CL ED-23.5
Ballast/Driver: -

Summary

Lumens per Lamp: 16000 (1 lamp)
Luminaire Lumens: 14048.7 lumens
Efficiency: 87.8%
Efficacy: 93.7 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G3

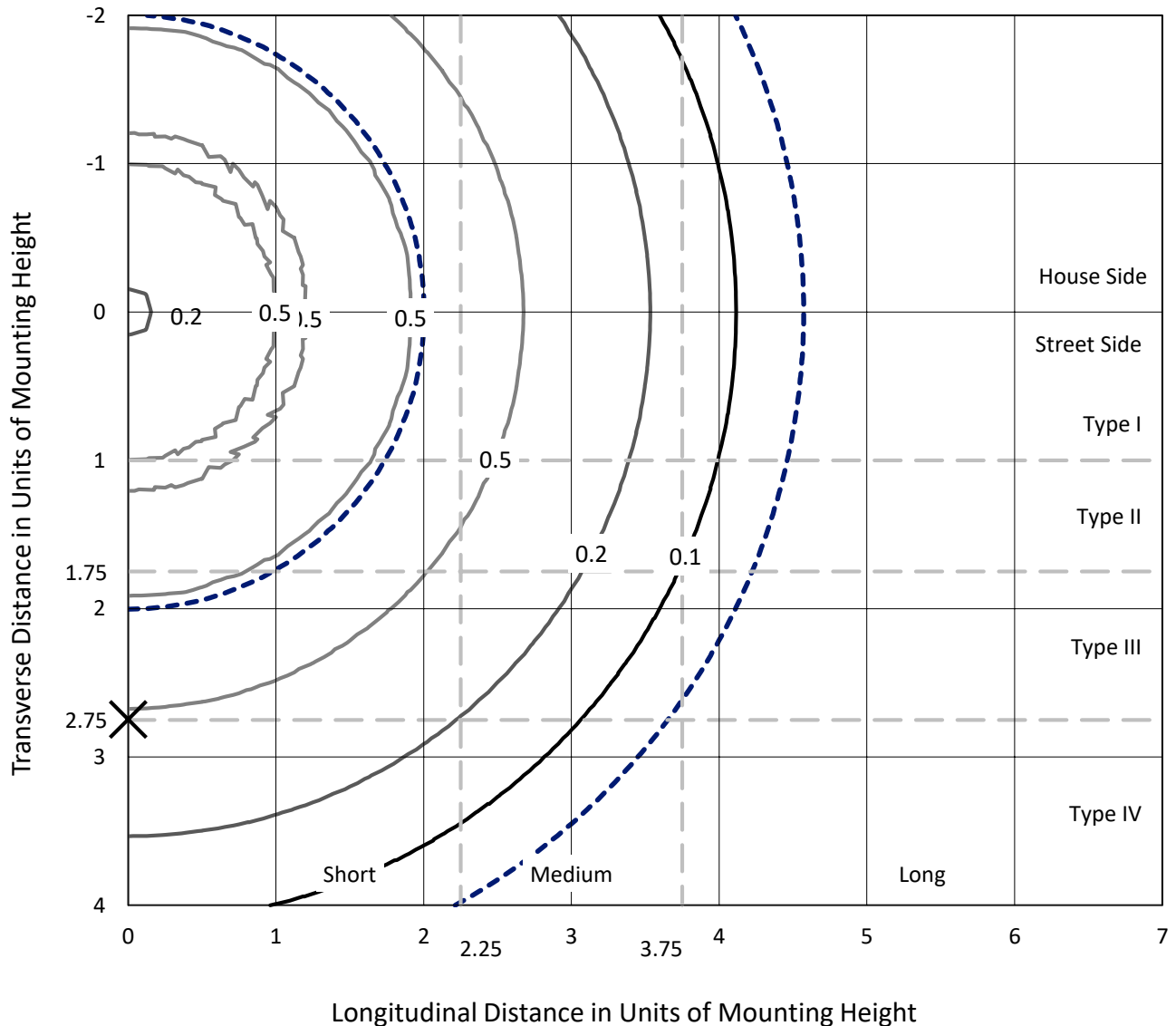
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

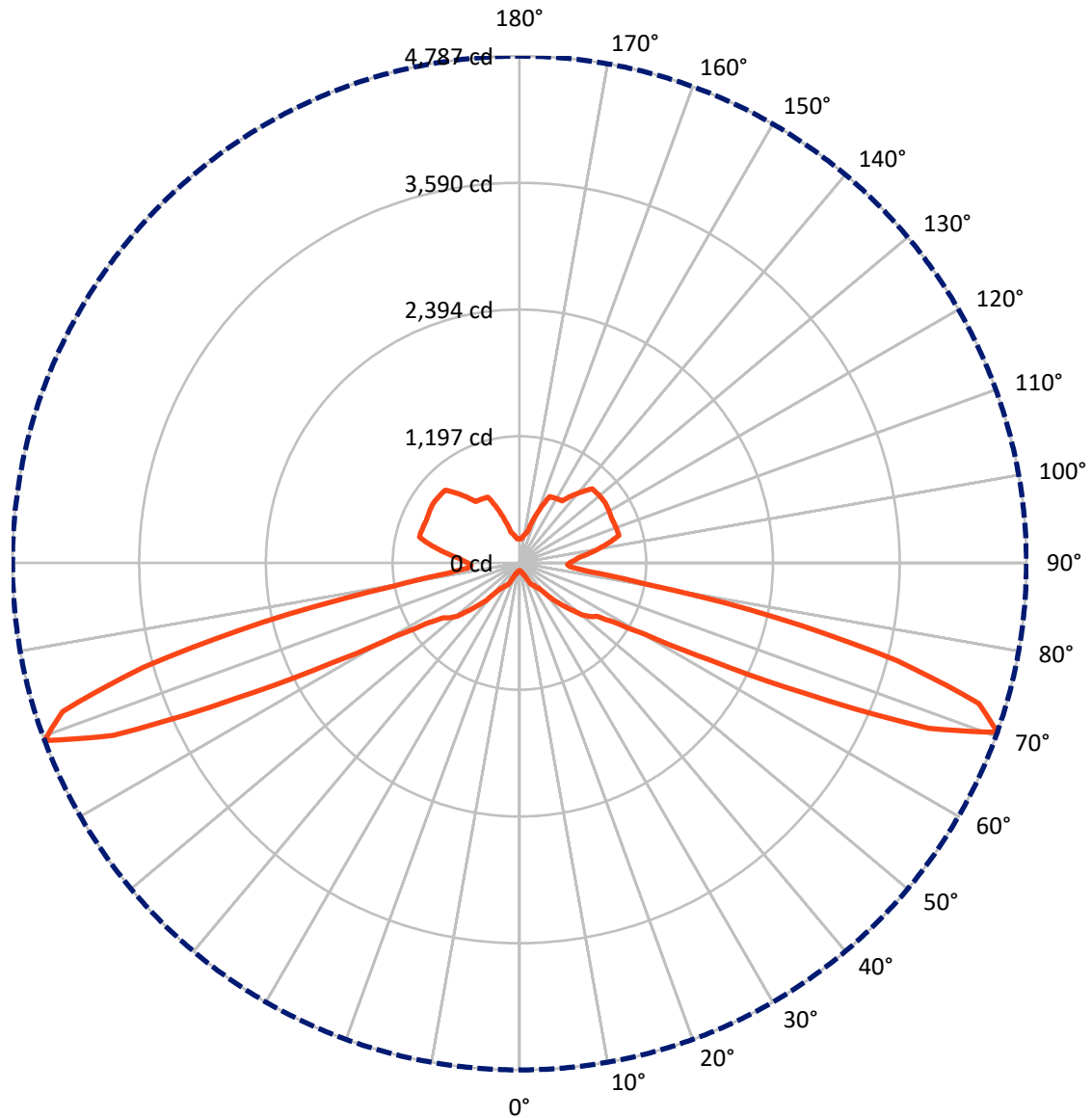
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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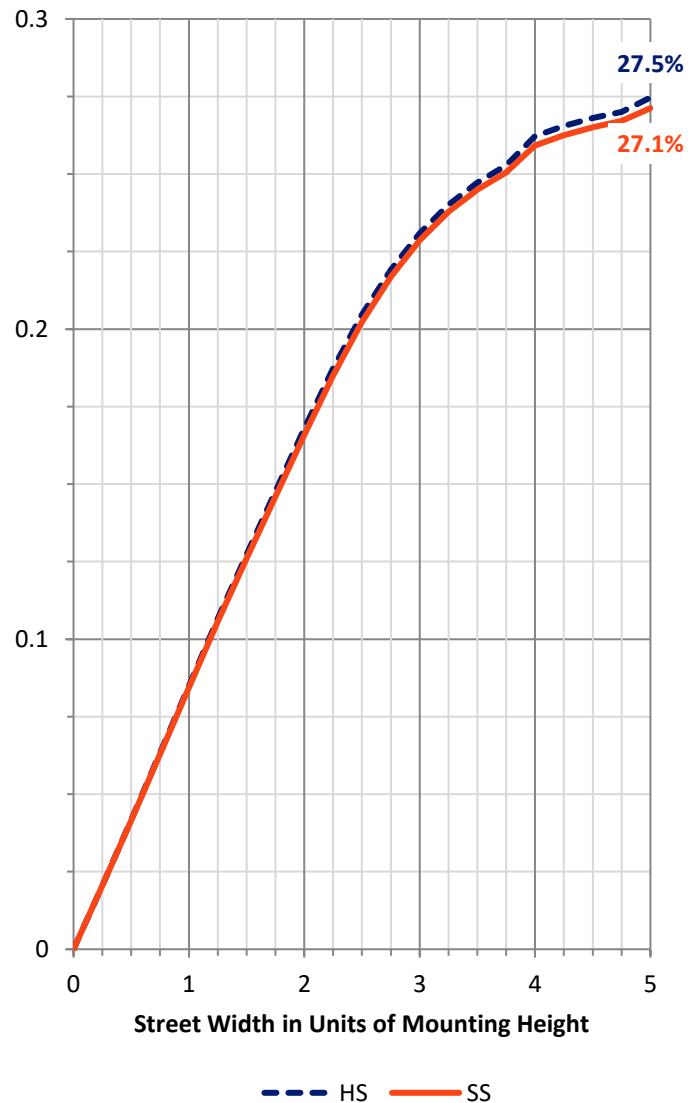
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4475.8	2548.5	7024.3
	% Lamp	28.0	15.9	43.9
Street Side	Lumens	4475.8	2548.5	7024.3
	% Lamp	28.0	15.9	43.9
Total	Lumens	8951.6	5097.0	14048.7
	% Lamp	55.9	31.9	87.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	7.5	0.1	0.0
10°-20°	28.4	0.2	0.2
20°-30°	82.5	0.6	0.5
30°-40°	183.2	1.3	1.1
40°-50°	446.9	3.2	2.8
50°-60°	868.7	6.2	5.4
60°-70°	3059.2	21.8	19.1
70°-80°	3607.8	25.7	22.5
80°-90°	667.5	4.8	4.2
90°-100°	651.2	4.6	4.1
100°-110°	922.5	6.6	5.8
110°-120°	967.8	6.9	6.0
120°-130°	881.2	6.3	5.5
130°-140°	709.8	5.1	4.4
140°-150°	486.1	3.5	3.0
150°-160°	277.0	2.0	1.7
160°-170°	108.1	0.8	0.7
170°-180°	23.7	0.2	0.1
0°-90°	8951.6	63.7	55.9
0°-180°	14048.7	100.0	87.8



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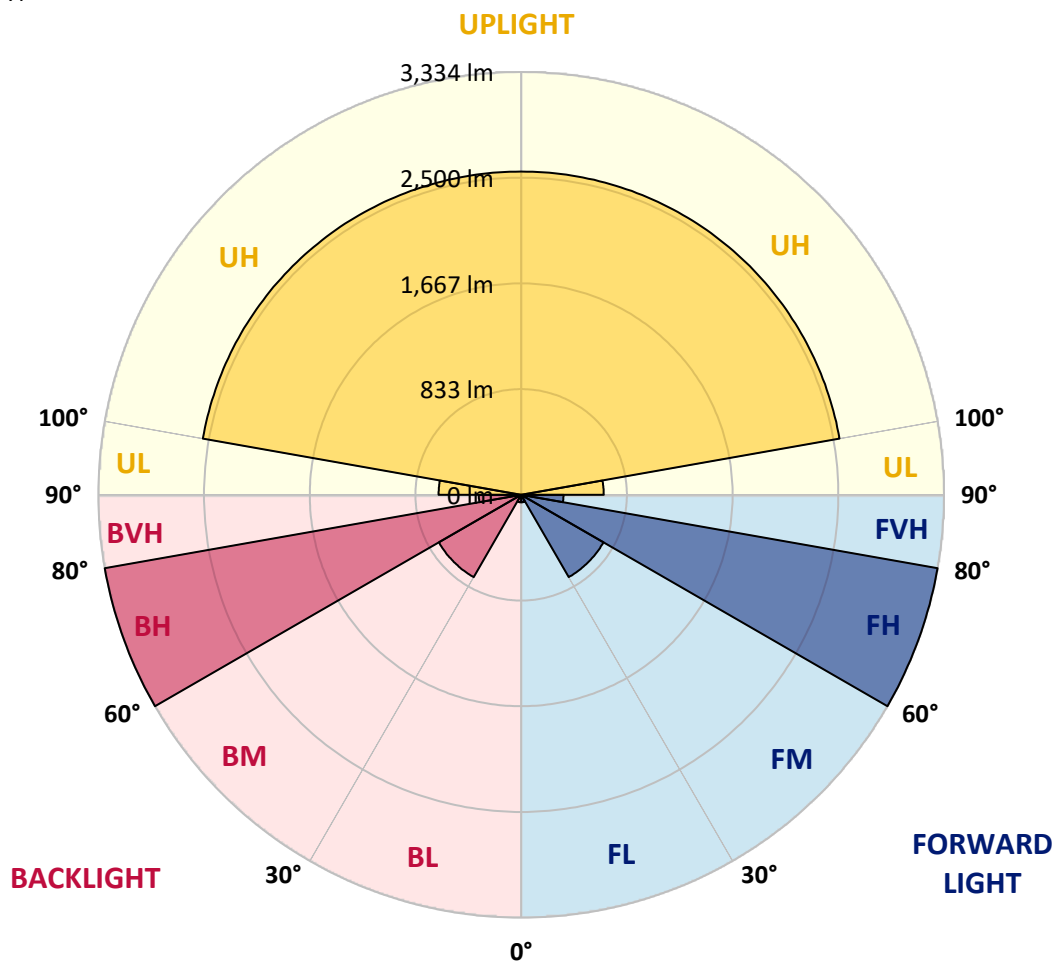
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.2	0.4			
FM (30°-60°)	749.4	4.7			
FH (60°-80°)	3333.5	20.8			G2/5000
FVH (80°-90°)	333.8	2.1			G3/500
BL (0°-30°)	59.2	0.4	B0/110		
BM (30°-60°)	749.4	4.7	B1/1000		
BH (60°-80°)	3333.5	20.8	B4/5000		G2/5000
BVH (80°-90°)	333.8	2.1			G3/500
UL (90°-100°)	651.2	4.1		U4/1000	
UH (100°-180°)	2548.5	15.9		U5	
Trapped Light	1951.3	12.2			

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	73
2.5°	74
5°	75
7.5°	81
10°	84
12.5°	92
15°	95
17.5°	106
20°	118
22.5°	134
25°	164
27.5°	217
30°	244
32.5°	254
35°	285
37.5°	307
40°	378
42.5°	486
45°	567
47.5°	659
50°	773
52.5°	841
55°	889
57.5°	1052
60°	1369
62.5°	2014
65°	2976
67.5°	4164
70°	4787
72.5°	4537
75°	3683
77.5°	2474
80°	1217
82.5°	663
85°	486
87.5°	454
90°	478
95°	569
105°	976
115°	967
125°	990
135°	982
145°	712
155°	689
165°	304



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CANDELA DISTRIBUTION (continued):

	0°
175°	228
180°	230

(END OF REPORT)