

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: 765684

Luminaire Tested: **ANE15SXX55**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 765684
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ANE15SXX55
Description: 150W HPS TYPE V POST TOP ACORN
Light Source: 150W HPS CL E-23.5
Ballast/Driver: -

Summary

Lumens per Lamp: 16000 (1 lamp)
Luminaire Lumens: 13964.7 lumens
Efficiency: 87.3%
Efficacy: 93.1 lumens/watt
Luminous Opening: (L: 0 ' x W: -1.25 ' x H: 2 '
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U5 - G5

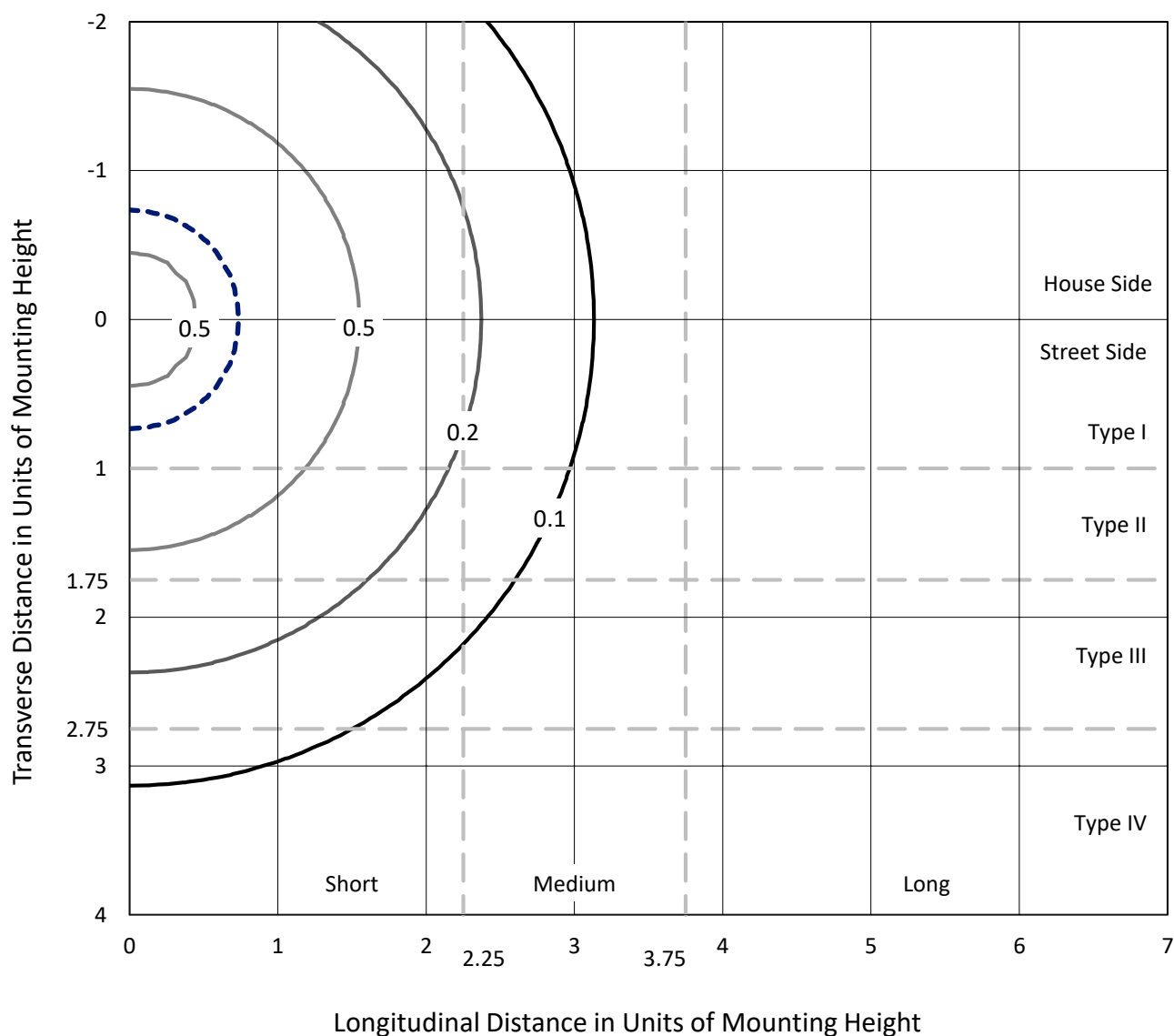
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: 765684
 CATALOG NUMBER: ANE15SXX55

Iso-Footcandle Lines of Horizontal Illumination

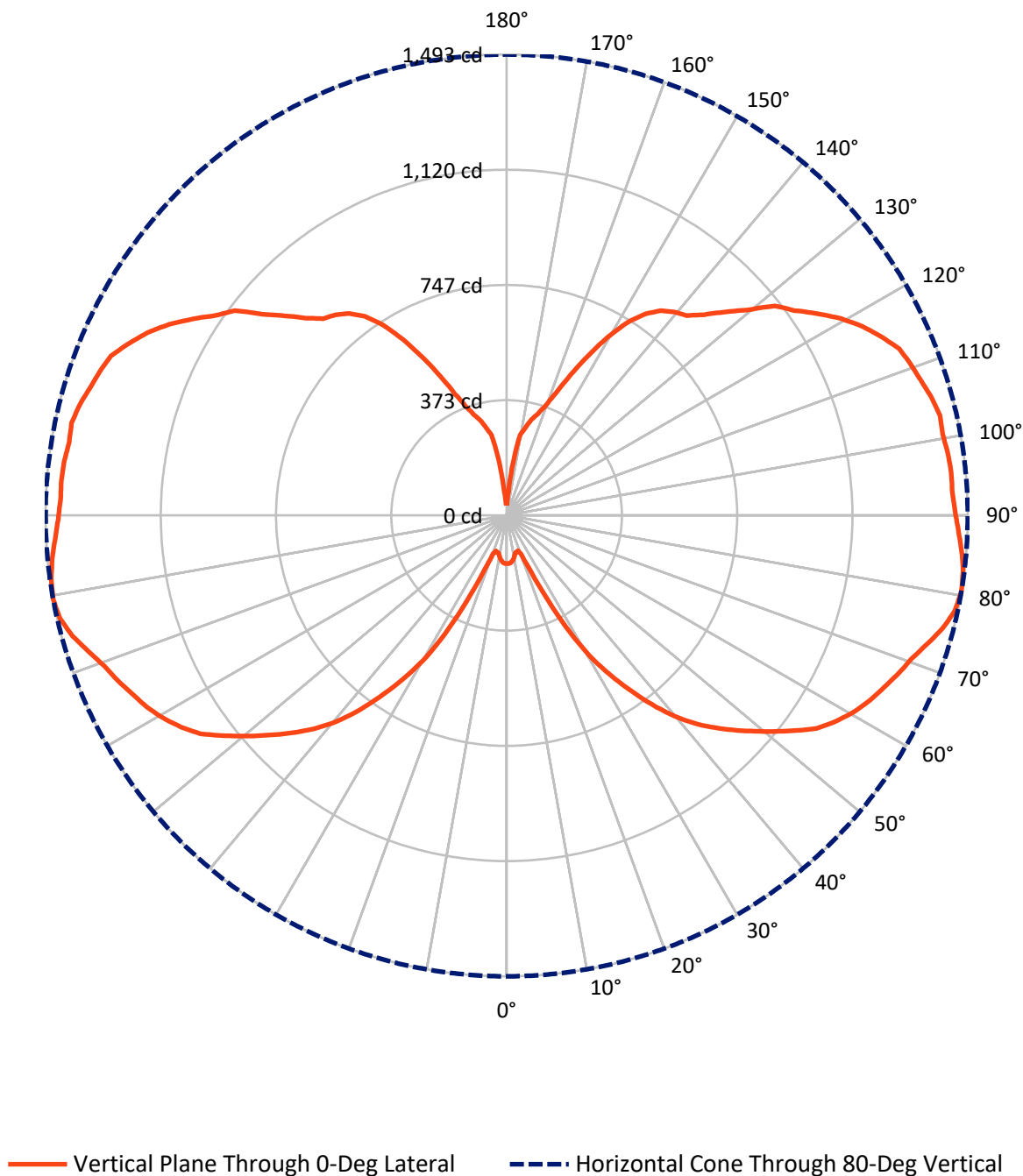
× Max cd
 --- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: 765684
CATALOG NUMBER: ANE15SXX55

Luminous Intensity Polar Plot



REPORT NUMBER: 765684

CATALOG NUMBER: ANE15SXX55

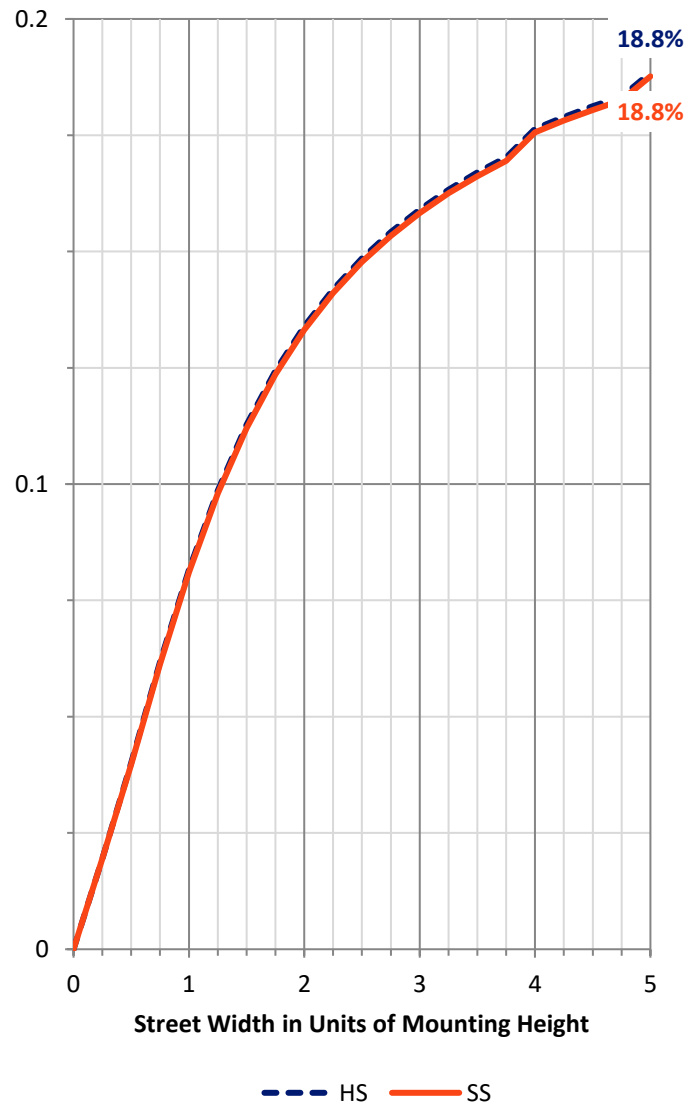
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3485.2	3497.1	6982.3
	% Lamp	21.8	21.9	43.6
Street Side	Lumens	3485.2	3497.1	6982.3
	% Lamp	21.8	21.9	43.6
Total	Lumens	6970.4	6994.3	13964.7
	% Lamp	43.6	43.7	87.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	14.0	0.1	0.1
10°-20°	35.5	0.3	0.2
20°-30°	144.9	1.0	0.9
30°-40°	444.1	3.2	2.8
40°-50°	765.8	5.5	4.8
50°-60°	1085.2	7.8	6.8
60°-70°	1333.8	9.6	8.3
70°-80°	1536.8	11.0	9.6
80°-90°	1610.2	11.5	10.1
90°-100°	1576.1	11.3	9.9
100°-110°	1506.5	10.8	9.4
110°-120°	1329.9	9.5	8.3
120°-130°	1030.2	7.4	6.4
130°-140°	715.7	5.1	4.5
140°-150°	491.7	3.5	3.1
150°-160°	238.3	1.7	1.5
160°-170°	91.8	0.7	0.6
170°-180°	14.1	0.1	0.1
0°-90°	6970.4	49.9	43.6
0°-180°	13964.7	100.0	87.3

Coefficient of Utilization



REPORT NUMBER: 765684

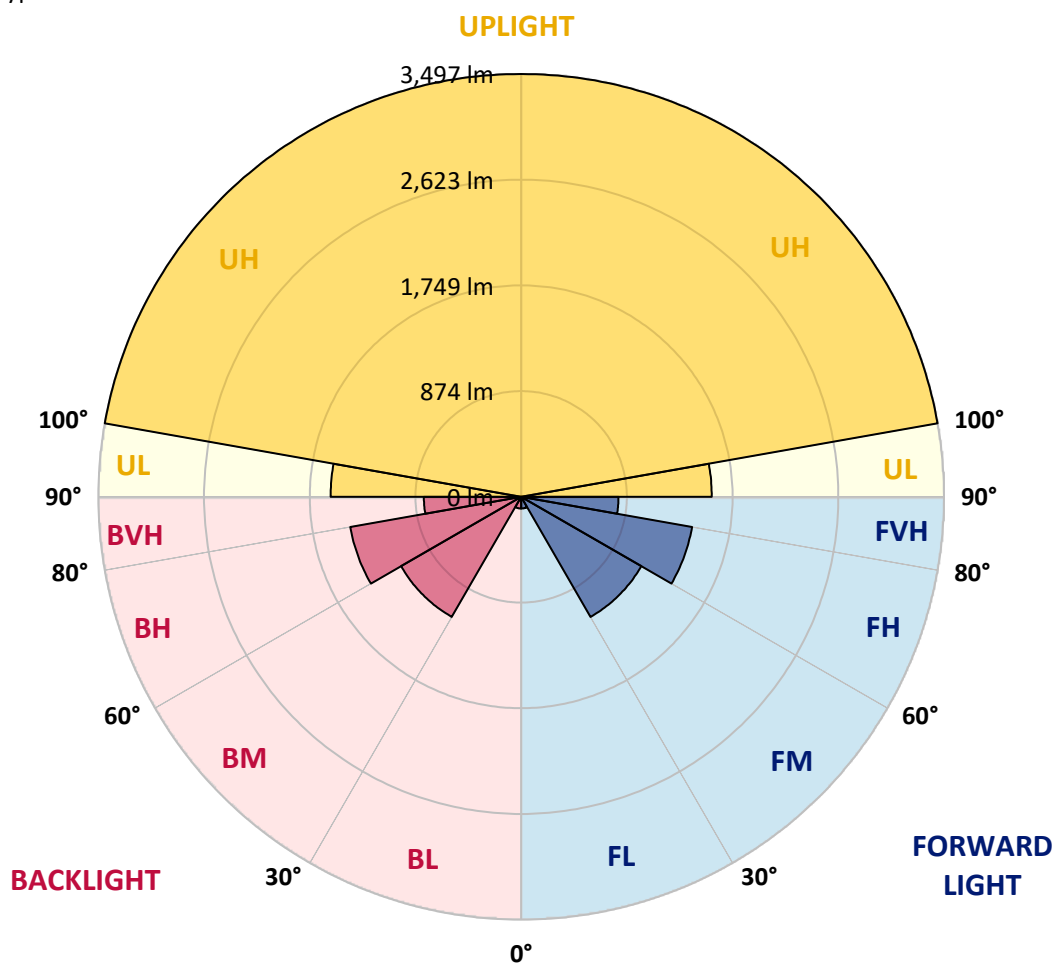
CATALOG NUMBER: ANE15SXX55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.2	0.6			
FM	(30°-60°)	1147.6	7.2			
FH	(60°-80°)	1435.3	9.0			G1/1800
FVH	(80°-90°)	805.1	5.0			G5
BL	(0°-30°)	97.2	0.6	B0/110		
BM	(30°-60°)	1147.6	7.2	B2/2500		
BH	(60°-80°)	1435.3	9.0	B3/2500		G1/1800
BVH	(80°-90°)	805.1	5.0			G5
UL	(90°-100°)	1576.1	9.9		U5	
UH	(100°-180°)	3497.1	21.9		U5	
Trapped Light		2035.3	12.7			

BUG Rating: B3-U5-G5

Type V Short





REPORT NUMBER: 765684
CATALOG NUMBER: ANE15SXX55

CANDELA DISTRIBUTION (FULL):

0°	
0°	156
2.5°	156
5°	153
7.5°	146
10°	136
12.5°	125
15°	123
17.5°	120
20°	133
22.5°	185
25°	281
27.5°	408
30°	526
32.5°	616
35°	702
37.5°	788
40°	865
42.5°	930
45°	987
47.5°	1043
50°	1100
52.5°	1159
55°	1218
57.5°	1258
60°	1292
62.5°	1320
65°	1343
67.5°	1368
70°	1391
72.5°	1424
75°	1459
77.5°	1484
80°	1493
82.5°	1489
85°	1478
87.5°	1464
90°	1452
92.5°	1445
95°	1446
97.5°	1443
100°	1436
102.5°	1440
105°	1428
107.5°	1411
110°	1397



REPORT NUMBER: 765684

CATALOG NUMBER: ANE15SXX55

CANDELA DISTRIBUTION (continued):

	0°
112.5°	1381
115°	1344
117.5°	1304
120°	1256
122.5°	1200
125°	1143
127.5°	1102
130°	1024
132.5°	966
135°	911
137.5°	871
140°	854
142.5°	830
145°	792
147.5°	736
150°	662
152.5°	579
155°	500
157.5°	427
160°	376
162.5°	343
165°	320
167.5°	290
170°	263
172.5°	174
175°	76
177.5°	38
180°	32

(END OF REPORT)