

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: 769250

Luminaire Tested: **ACN400MXX5C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 769250
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN400MXX5C
Description: ARCHITECTURAL POST TOP LUMINAIRE - TYPE V CUTOFF
W/SPECULAR CHIMNEY
Light Source: 400 WATT MH CLEAR ED-28
Ballast/Driver: -

Summary

Lumens per Lamp: 36000 (1 lamp)
Luminaire Lumens: 26834.1 lumens
Efficiency: 74.5%
Efficacy: 67.1 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Cutoff
BUG Rating: B5 - U3 - G2

Input Watts (W): 400
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

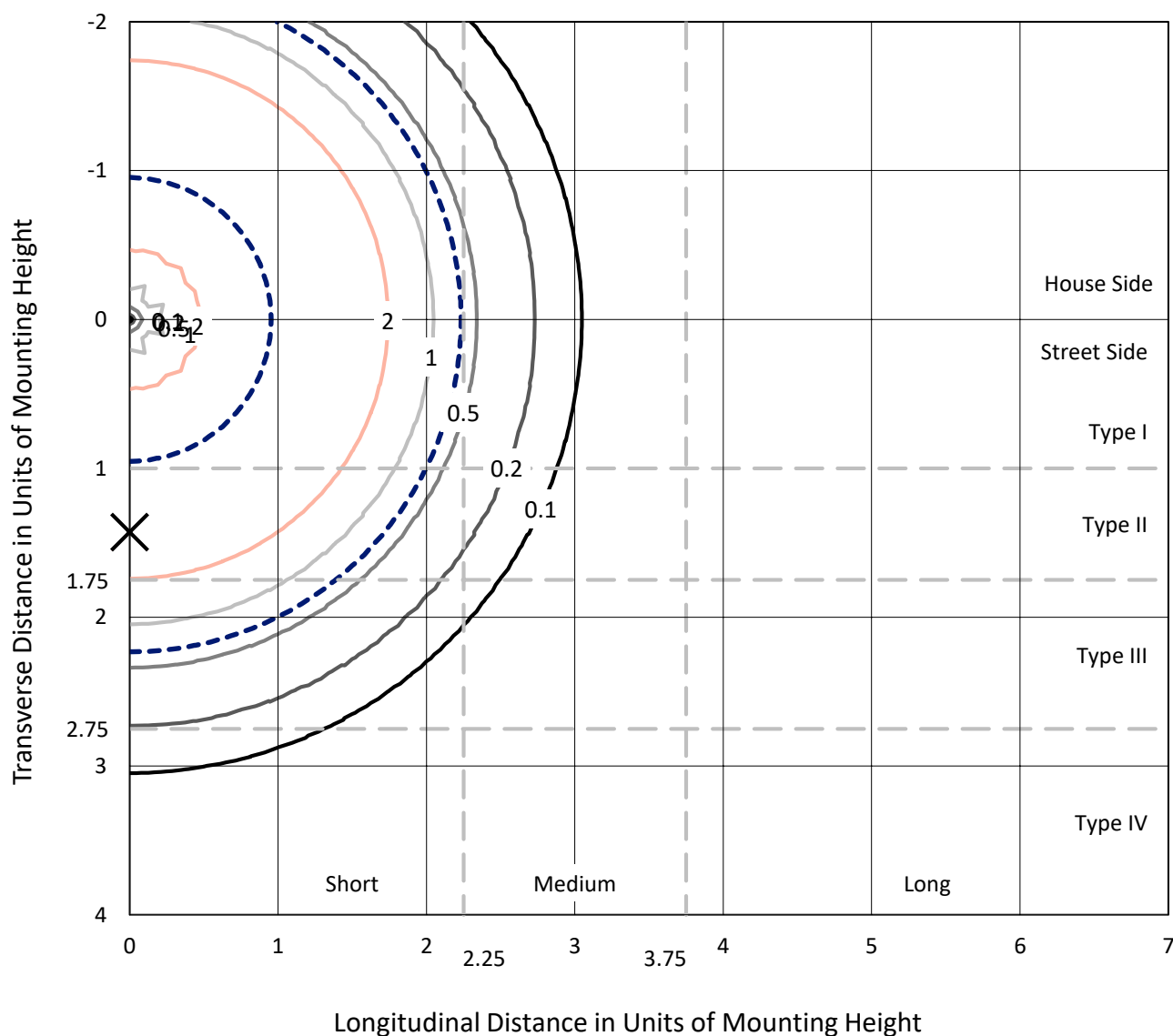


REPORT NUMBER: 769250

CATALOG NUMBER: ACN400MXX5C

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

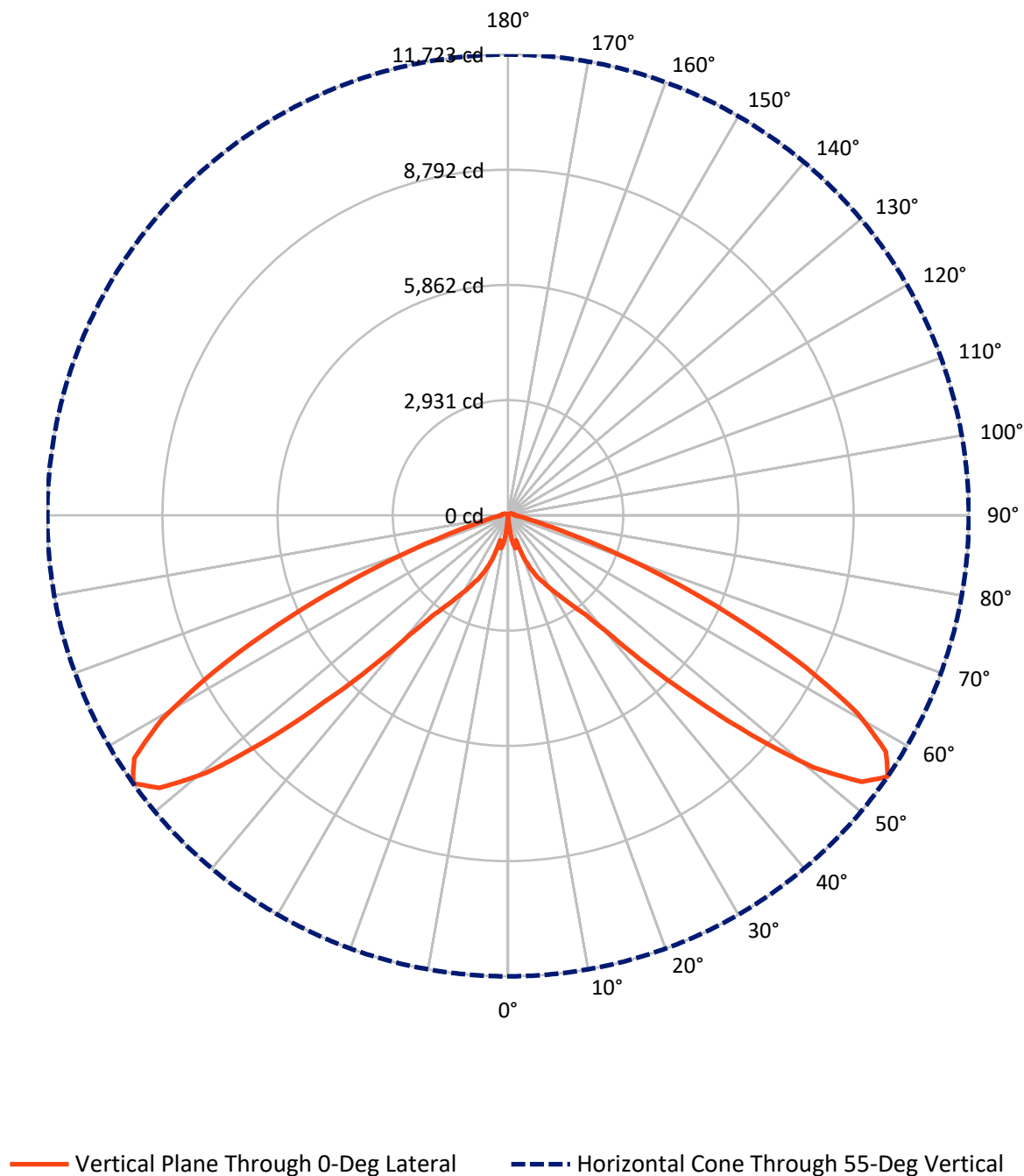


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Cutoff

REPORT NUMBER: 769250

CATALOG NUMBER: ACN400MXX5C

Luminous Intensity Polar Plot



REPORT NUMBER: 769250

CATALOG NUMBER: ACN400MXX5C

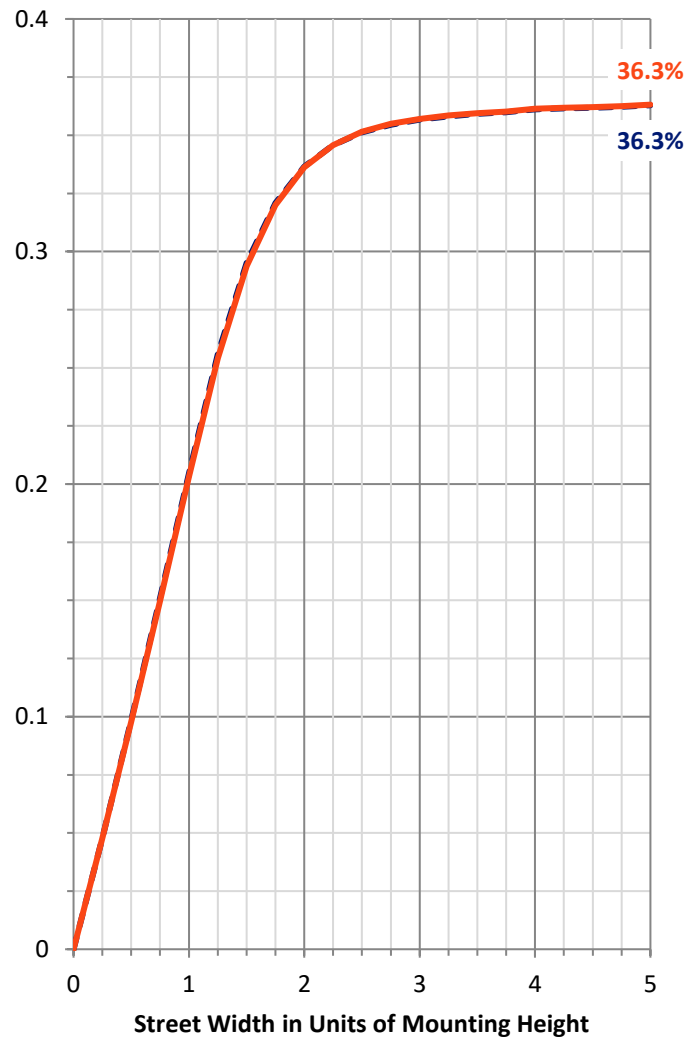
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13155.4	261.6	13417.0
	% Lamp	36.5	0.7	37.3
Street Side	Lumens	13155.4	261.6	13417.0
	% Lamp	36.5	0.7	37.3
Total	Lumens	26310.8	523.3	26834.1
	% Lamp	73.1	1.5	74.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	37.8	0.1	0.1
10°-20°	231.1	0.9	0.6
20°-30°	801.6	3.0	2.2
30°-40°	1828.8	6.8	5.1
40°-50°	5324.3	19.8	14.8
50°-60°	9974.3	37.2	27.7
60°-70°	6457.7	24.1	17.9
70°-80°	1332.0	5.0	3.7
80°-90°	323.2	1.2	0.9
90°-100°	178.7	0.7	0.5
100°-110°	135.4	0.5	0.4
110°-120°	96.5	0.4	0.3
120°-130°	62.8	0.2	0.2
130°-140°	34.1	0.1	0.1
140°-150°	14.3	0.1	0.0
150°-160°	4.5	0.0	0.0
160°-170°	0.9	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	26310.8	98.1	73.1
0°-180°	26834.1	100.0	74.5

Coefficient of Utilization



REPORT NUMBER: 769250

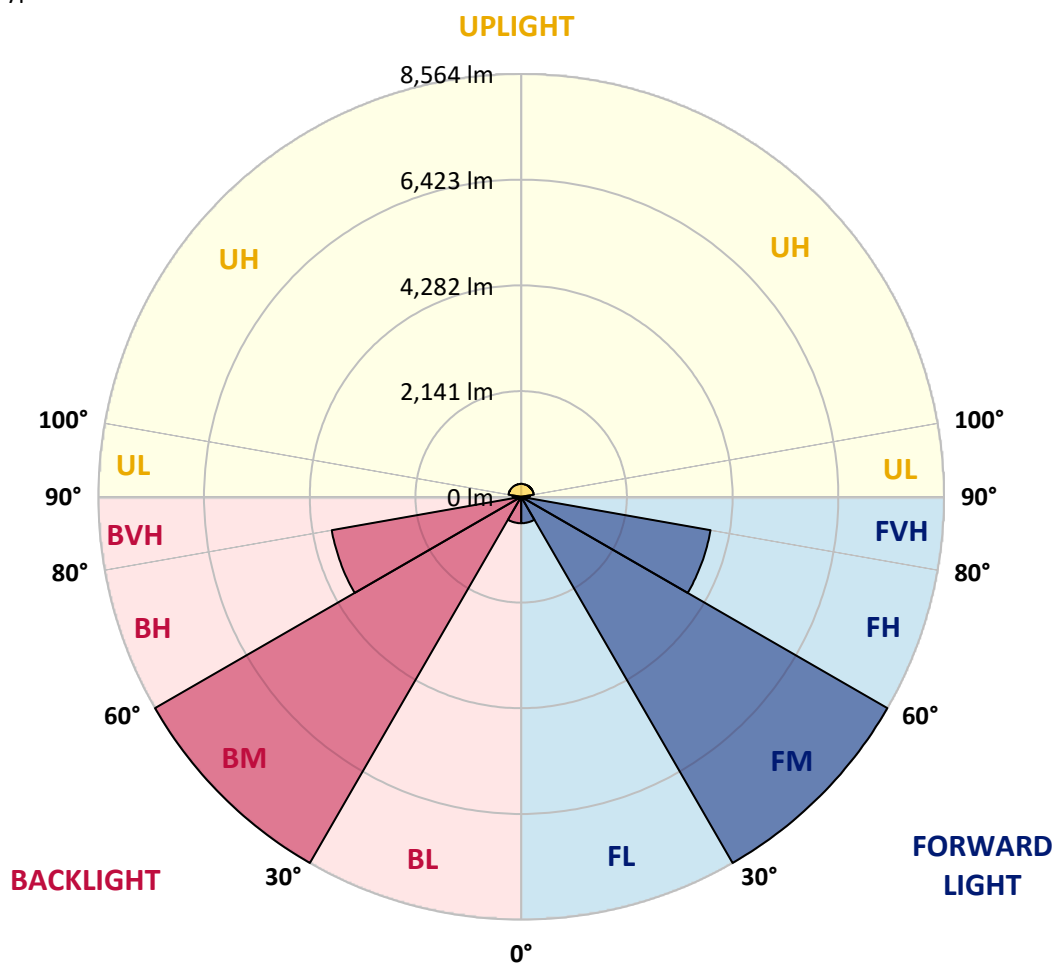
CATALOG NUMBER: ACN400MXX5C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	535.3	1.5			
FM	(30°-60°)	8563.7	23.8			
FH	(60°-80°)	3894.9	10.8			G2/5000
FVH	(80°-90°)	161.6	0.4			G2/225
BL	(0°-30°)	535.3	1.5	B2/1000		
BM	(30°-60°)	8563.7	23.8	B5		
BH	(60°-80°)	3894.9	10.8	B4/5000		G2/5000
BVH	(80°-90°)	161.6	0.4			G2/225
UL	(90°-100°)	178.7	0.5		U3/500	
UH	(100°-180°)	261.6	0.7		U3/500	
Trapped Light		9165.9	25.5			

BUG Rating: B5-U3-G2

Type V Short





REPORT NUMBER: 769250

CATALOG NUMBER: ACN400MXX5C

CANDELA DISTRIBUTION (FULL):

0°	
0°	10
2.5°	10
5°	166
7.5°	508
10°	744
12.5°	852
15°	774
17.5°	665
20°	1156
22.5°	1461
25°	1735
27.5°	1939
30°	2194
32.5°	2463
35°	2804
37.5°	3193
40°	3923
42.5°	5193
45°	6621
47.5°	8349
50°	10073
52.5°	11256
55°	11723
57.5°	11338
60°	10219
62.5°	8481
65°	6525
67.5°	4611
70°	2972
72.5°	1713
75°	988
77.5°	645
80°	479
82.5°	365
85°	279
87.5°	215
90°	176
95°	167
105°	123
115°	99
125°	68
135°	45
145°	18
155°	10
165°	1



REPORT NUMBER: 769250

CATALOG NUMBER: ACN400MXX5C

CANDELA DISTRIBUTION (continued):

	0°
175°	1
180°	0

(END OF REPORT)