

Scaled data based on original data using
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 763051

Luminaire Tested: **EGL91SXX33**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: 763051
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: EGL91SXX33
Description: 1000W HPS 3H X 3V FLOOD
Light Source: 1000W HPS CL E-25
Ballast/Driver: -

Summary

Lumens per Lamp: 140000 (1 lamp)
Luminaire Lumens: 70712 lumens
Efficiency: 50.5%
Efficacy: 70.7 lumens/watt
Luminous Opening: (L: 0 ' x W: -1.83 ' x H: 1.75 '
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

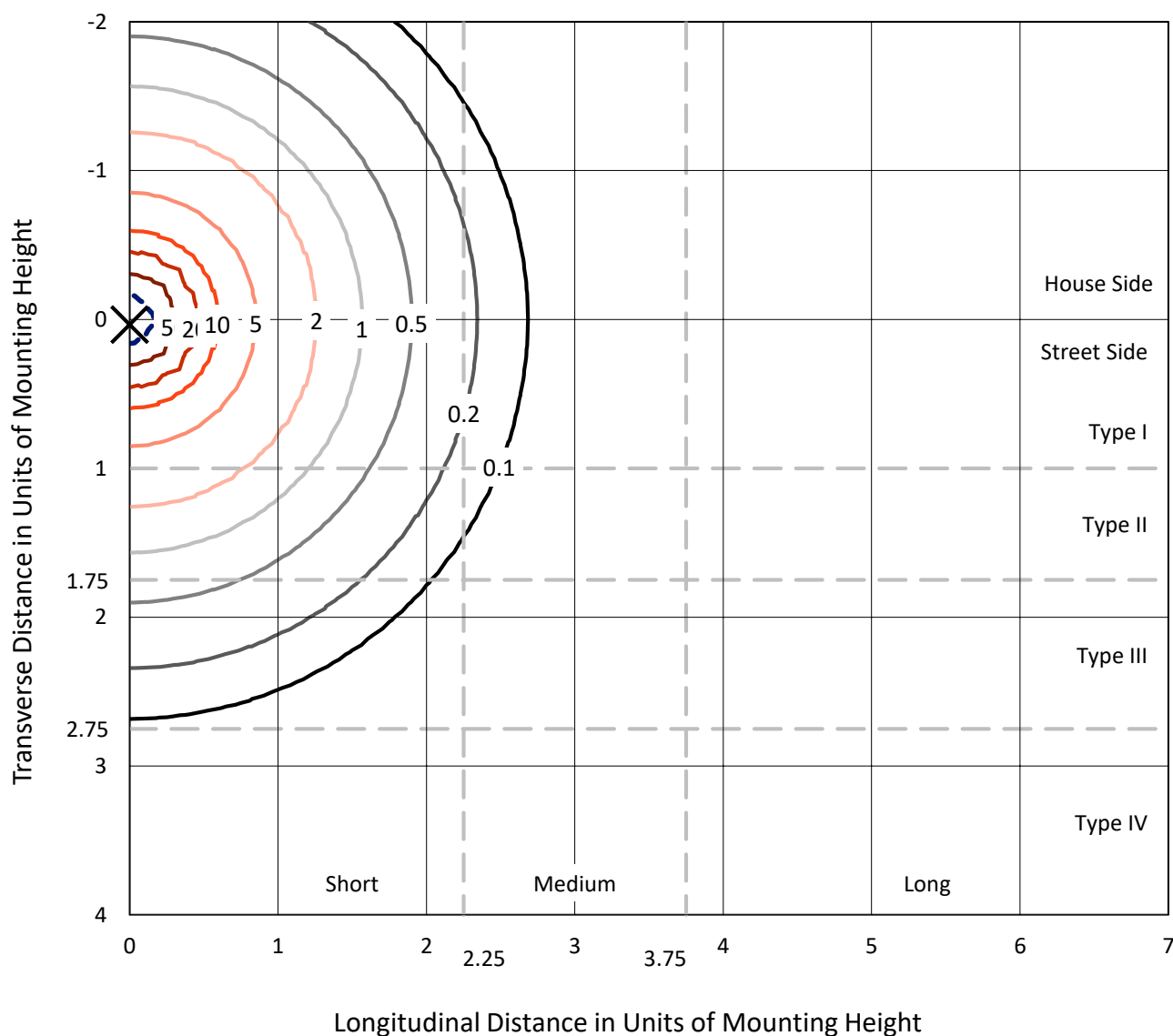
Input Watts (W): 1000
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: 763051
 CATALOG NUMBER: EGL91SXX33

Iso-Footcandle Lines of Horizontal Illumination

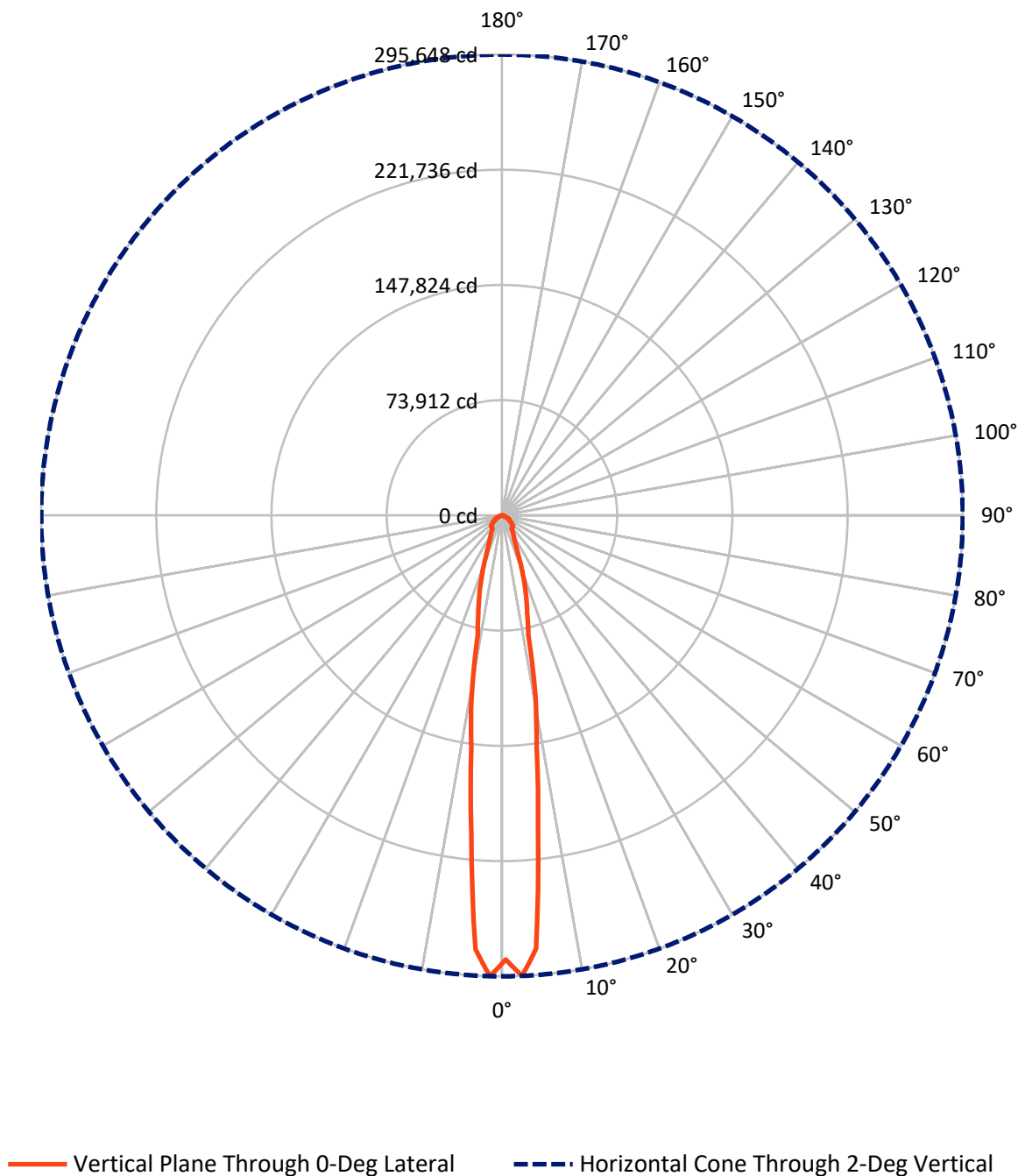
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 316.5 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: 763051
CATALOG NUMBER: EGL91SXX33

Luminous Intensity Polar Plot



REPORT NUMBER: 763051

CATALOG NUMBER: EGL91SXX33

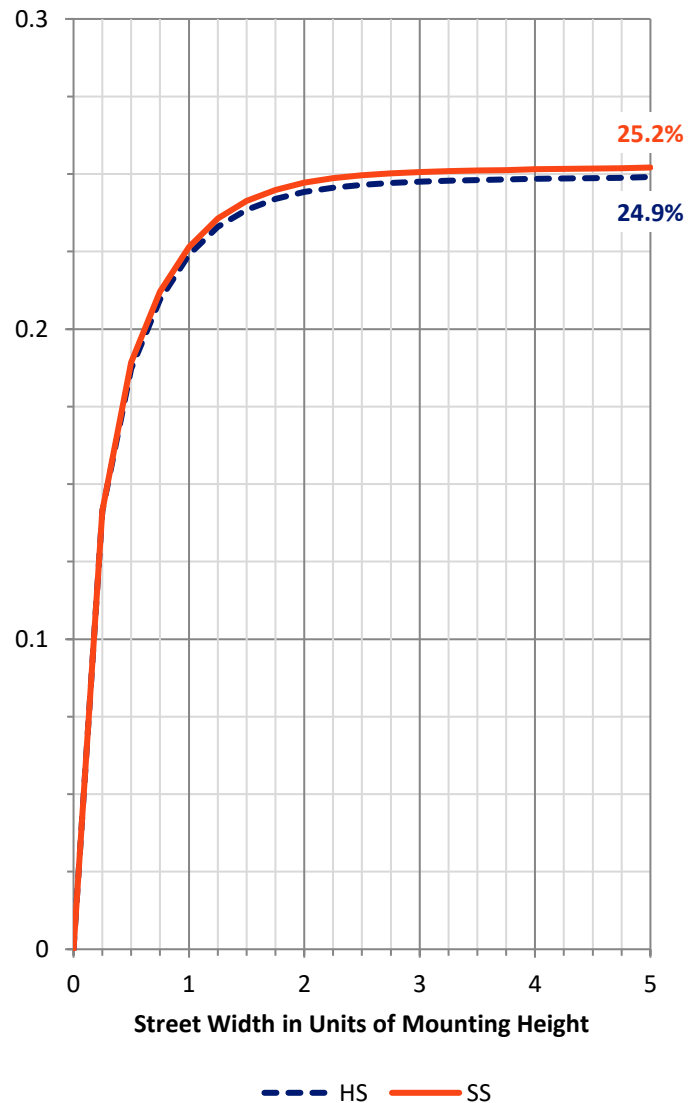
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35356.0	0.0	35356.0
	% Lamp	25.3	0.0	25.3
Street Side	Lumens	35356.0	0.0	35356.0
	% Lamp	25.3	0.0	25.3
Total	Lumens	70712.0	0.0	70712.0
	% Lamp	50.5	0.0	50.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	18361.8	26.0	13.1
10°-20°	17130.3	24.2	12.2
20°-30°	9897.3	14.0	7.1
30°-40°	7184.0	10.2	5.1
40°-50°	7338.3	10.4	5.2
50°-60°	5748.7	8.1	4.1
60°-70°	3501.8	5.0	2.5
70°-80°	994.9	1.4	0.7
80°-90°	555.0	0.8	0.4
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	70712.0	100.0	50.5
0°-180°	70712.0	100.0	50.5

Coefficient of Utilization



REPORT NUMBER: 763051

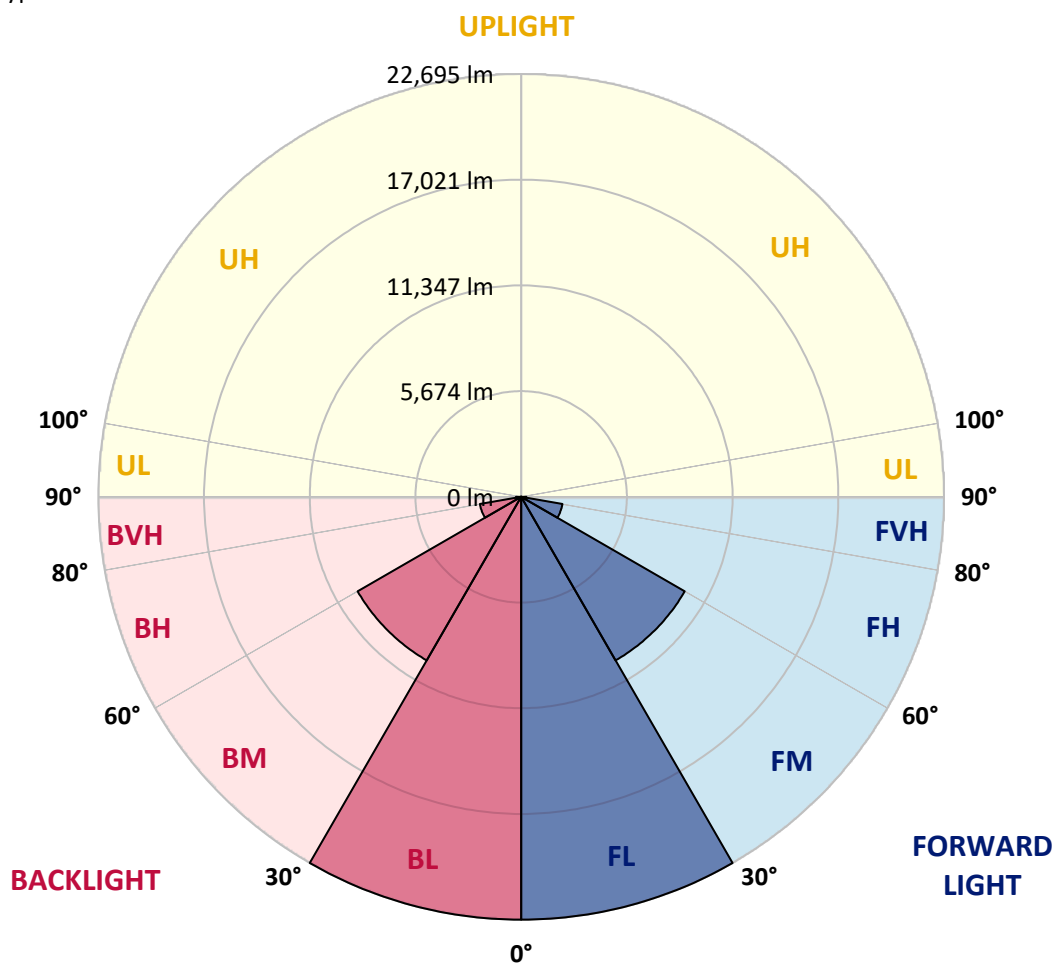
CATALOG NUMBER: EGL91SXX33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	22694.7	16.2			
FM	(30°-60°)	10135.5	7.2			
FH	(60°-80°)	2248.4	1.6			G2/5000
FVH	(80°-90°)	277.5	0.2			G3/500
BL	(0°-30°)	22694.7	16.2	B5		
BM	(30°-60°)	10135.5	7.2	B5		
BH	(60°-80°)	2248.4	1.6	B3/2500		G2/5000
BVH	(80°-90°)	277.5	0.2			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		69288.0	49.5			

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: 763051
CATALOG NUMBER: EGL91SXX33

CANDELA DISTRIBUTION (FULL):

0°	
0°	284852
2°	295648
4°	278774
6°	204102
8°	150151
10°	118304
12°	78115
14°	64885
16°	54715
18°	45152
20°	35992
22°	27777
24°	22050
26°	18490
28°	16312
30°	14633
32°	13007
34°	11540
36°	10467
38°	10191
40°	10233
42°	10116
44°	9840
46°	9511
48°	8884
50°	8108
52°	7237
54°	6684
56°	6131
58°	5568
60°	5016
62°	4527
64°	3900
66°	3252
68°	2572
70°	1966
72°	1392
74°	839
76°	616
78°	606
80°	584
82°	574
84°	563
86°	563
88°	553



REPORT NUMBER: 763051

CATALOG NUMBER: EGL91SXX33

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)