

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: 763052

Luminaire Tested: **EGL91SXX66**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: 763052
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: EGL91SXX66
Description: 1000W HPS 6H X 6V FLOOD
Light Source: 1000W HPS CL E-25
Ballast/Driver: -

Summary

Lumens per Lamp: 140000 (1 lamp)
Luminaire Lumens: 68707.5 lumens
Efficiency: 49.1%
Efficacy: 68.7 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 - G2

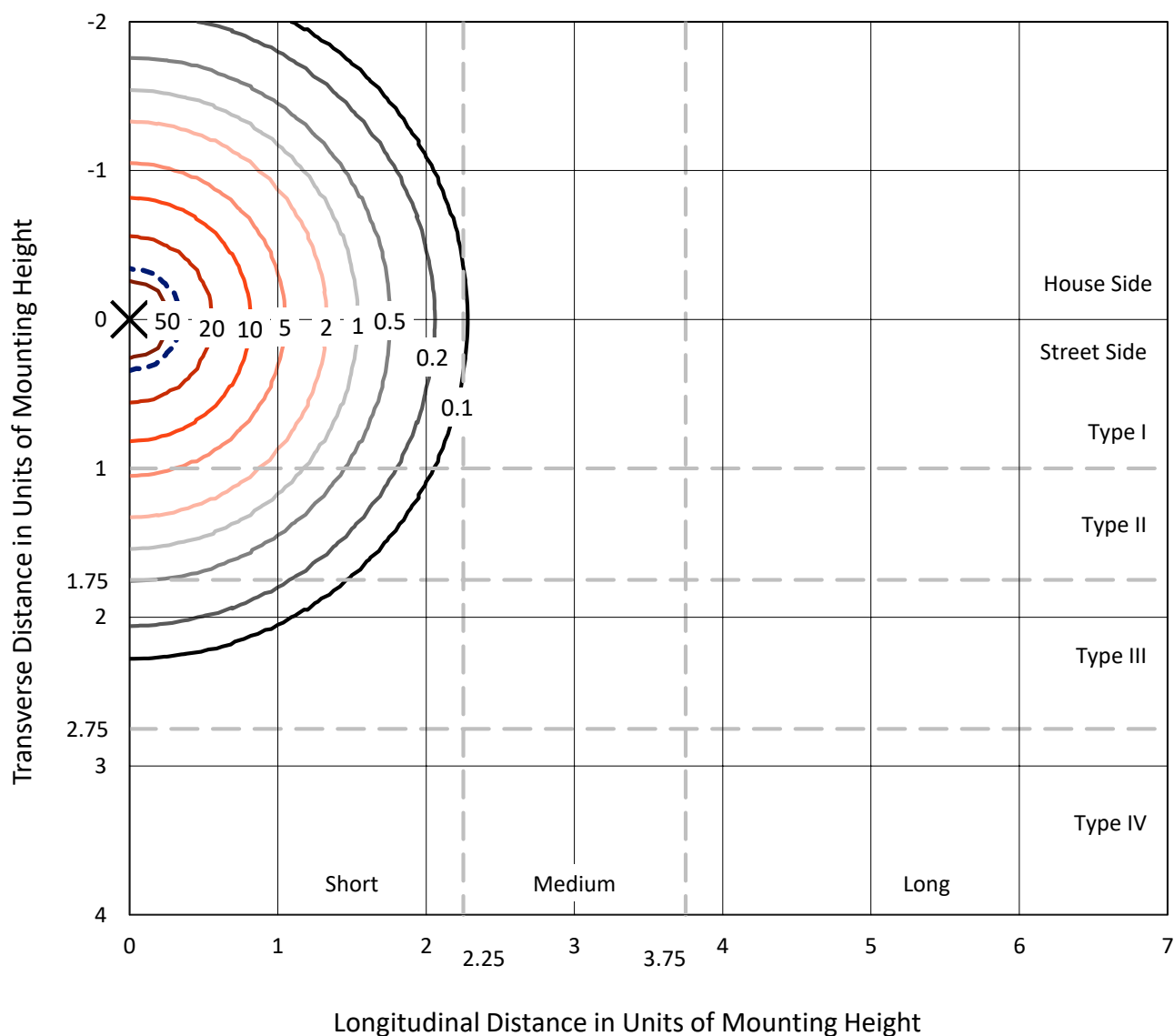
Input Watts (W): 1000
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

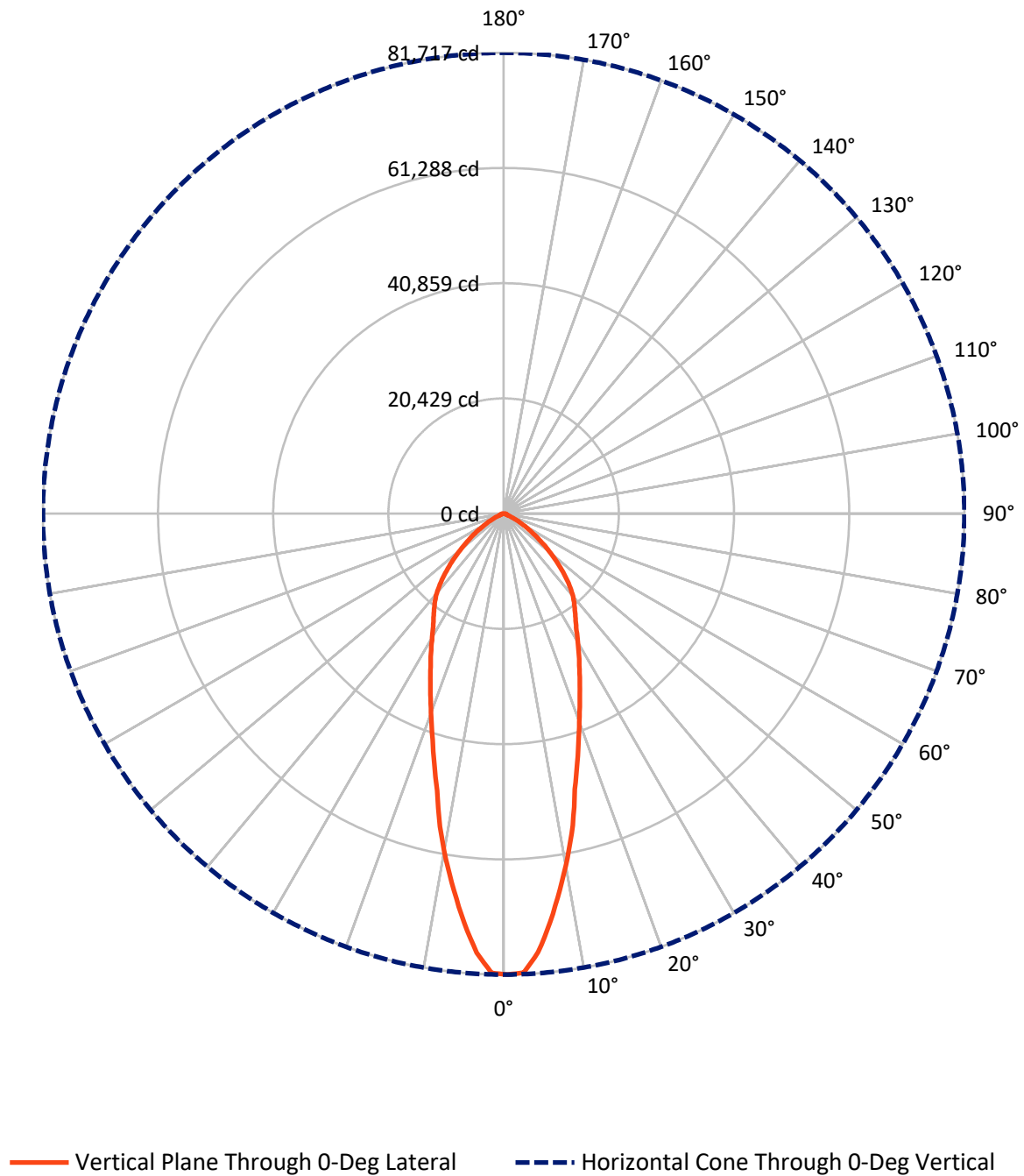
× Max cd
- - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 90.8 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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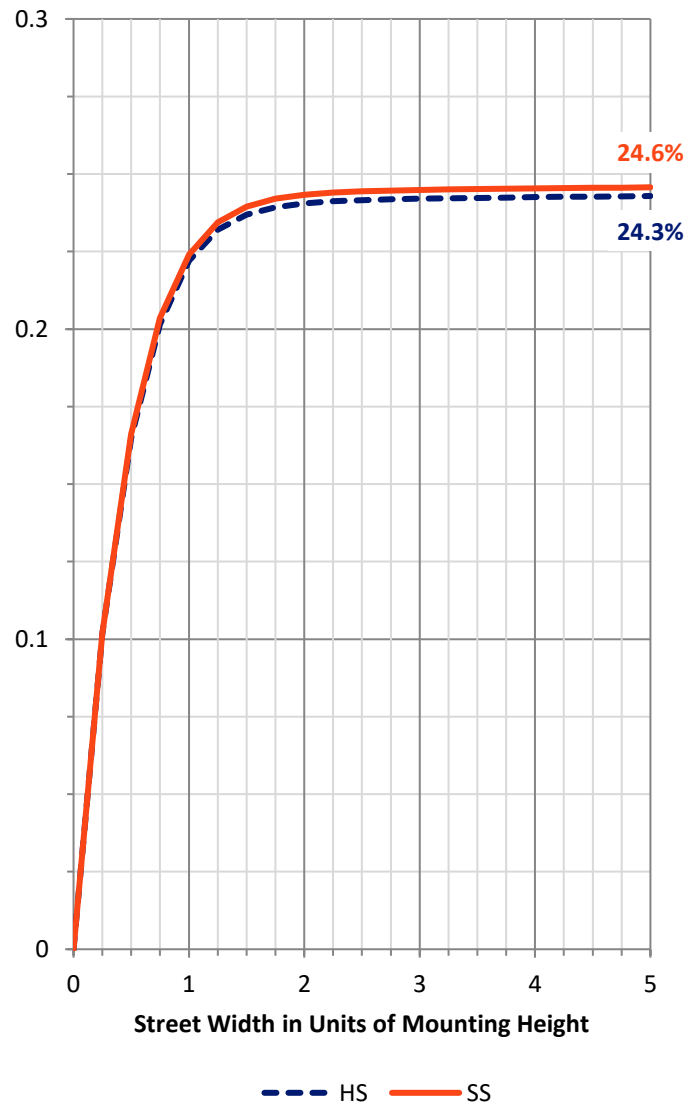
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34353.8	0.0	34353.8
	% Lamp	24.5	0.0	24.5
Street Side	Lumens	34353.8	0.0	34353.8
	% Lamp	24.5	0.0	24.5
Total	Lumens	68707.5	0.0	68707.5
	% Lamp	49.1	0.0	49.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	6765.1	9.8	4.8
10°-20°	13547.5	19.7	9.7
20°-30°	14448.7	21.0	10.3
30°-40°	13749.3	20.0	9.8
40°-50°	11305.6	16.5	8.1
50°-60°	6141.5	8.9	4.4
60°-70°	1921.8	2.8	1.4
70°-80°	494.4	0.7	0.4
80°-90°	333.7	0.5	0.2
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°	68707.5	100.0	49.1
0°-180°	68707.5	100.0	49.1

Coefficient of Utilization



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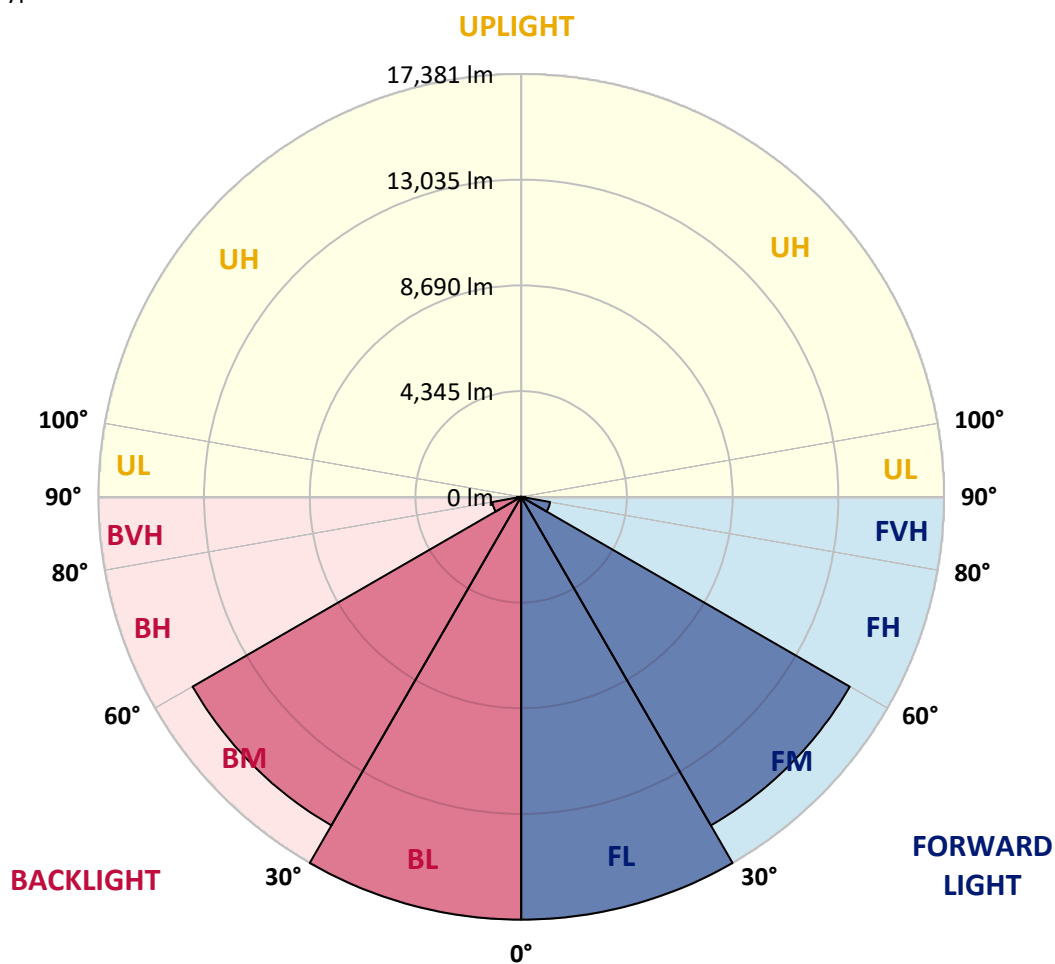
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	17380.6	12.4			
FM	(30°-60°)	15598.2	11.1			
FH	(60°-80°)	1208.1	0.9			G1/1800
FVH	(80°-90°)	166.8	0.1			G2/225
BL	(0°-30°)	17380.6	12.4	B5		
BM	(30°-60°)	15598.2	11.1	B5		
BH	(60°-80°)	1208.1	0.9	B3/2500		G1/1800
BVH	(80°-90°)	166.8	0.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		71292.5	50.9			

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	81717
2°	81441
4°	77998
6°	72908
8°	67382
10°	62079
12°	56607
14°	50444
16°	45991
18°	41932
20°	38393
22°	35290
24°	32559
26°	30094
28°	27905
30°	25801
32°	23952
34°	22517
36°	21253
38°	20073
40°	18819
42°	17289
44°	15610
46°	13889
48°	12135
50°	10499
52°	8894
54°	7449
56°	6089
58°	4931
60°	3879
62°	2933
64°	2152
66°	1461
68°	940
70°	723
72°	563
74°	473
76°	425
78°	351
80°	340
82°	340
84°	340
86°	340
88°	340



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)