

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: 765826T

Luminaire Tested: **GLX91SXXAR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 765826T
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLX91SXXAR
Description: 1000W HPS AREA ROUND
Light Source: 1000W HPS CL ED-37
Ballast/Driver: -

Summary

Lumens per Lamp: 140000 (1 lamp)
Luminaire Lumens: 112554.9 lumens
Efficiency: 80.4%
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 2.25' x L: 2.25' x H: 1.2')
IES Classification: Type V - Short - Cutoff
BUG Rating: B5 - U5 - G5

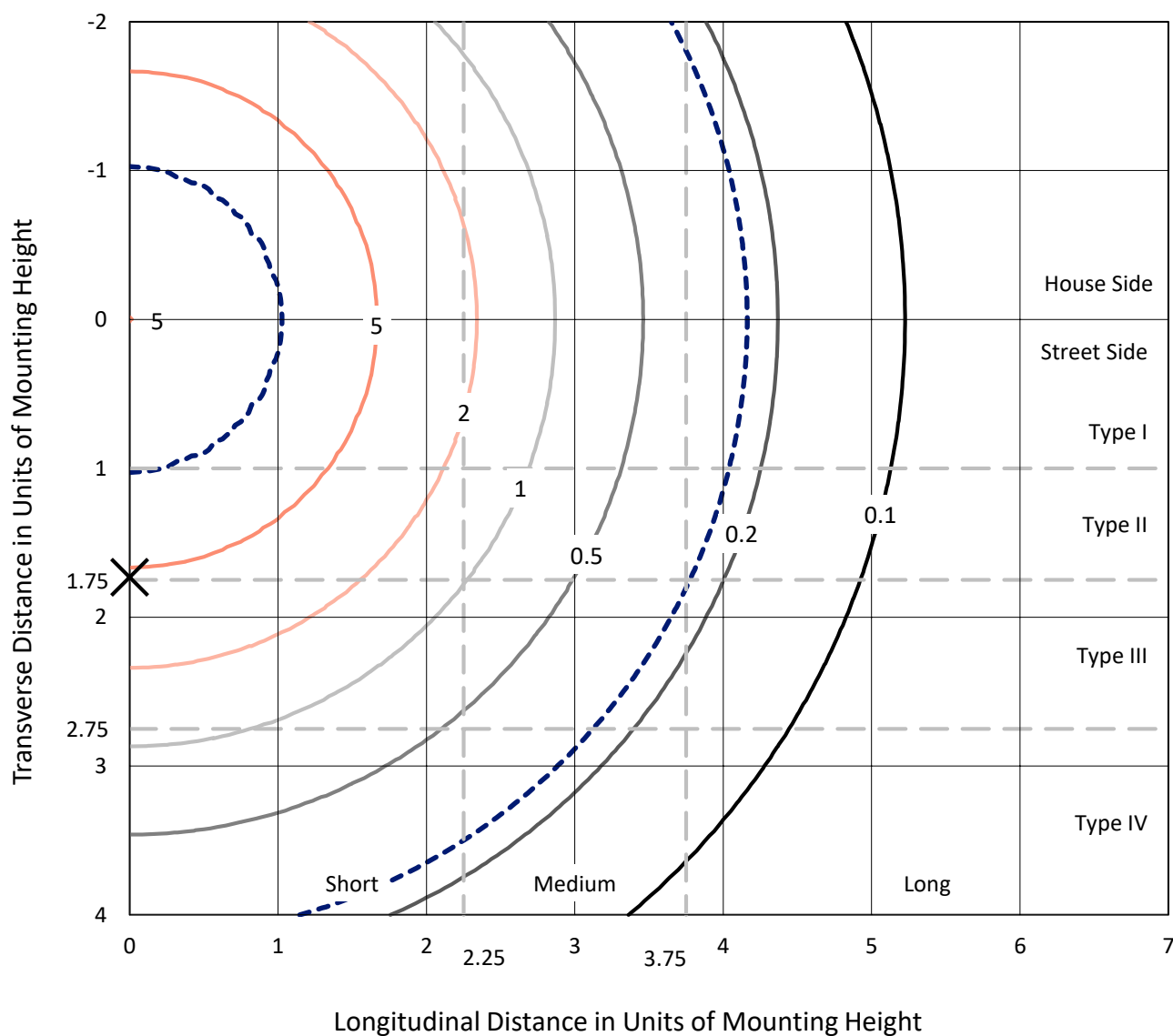
Input Watts (W): 1000
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

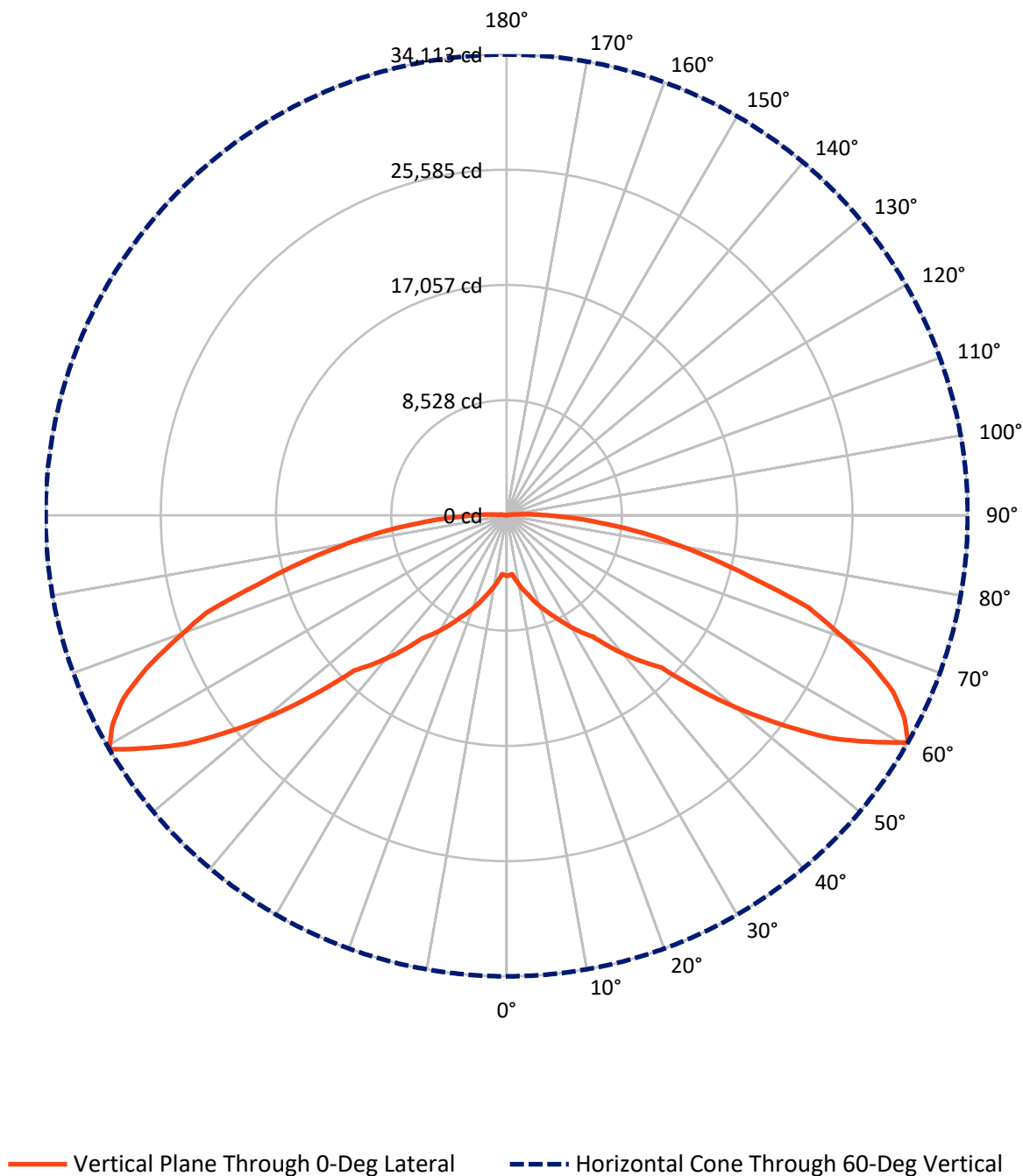
× Max cd
 --- 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - Cutoff

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Luminous Intensity Polar Plot



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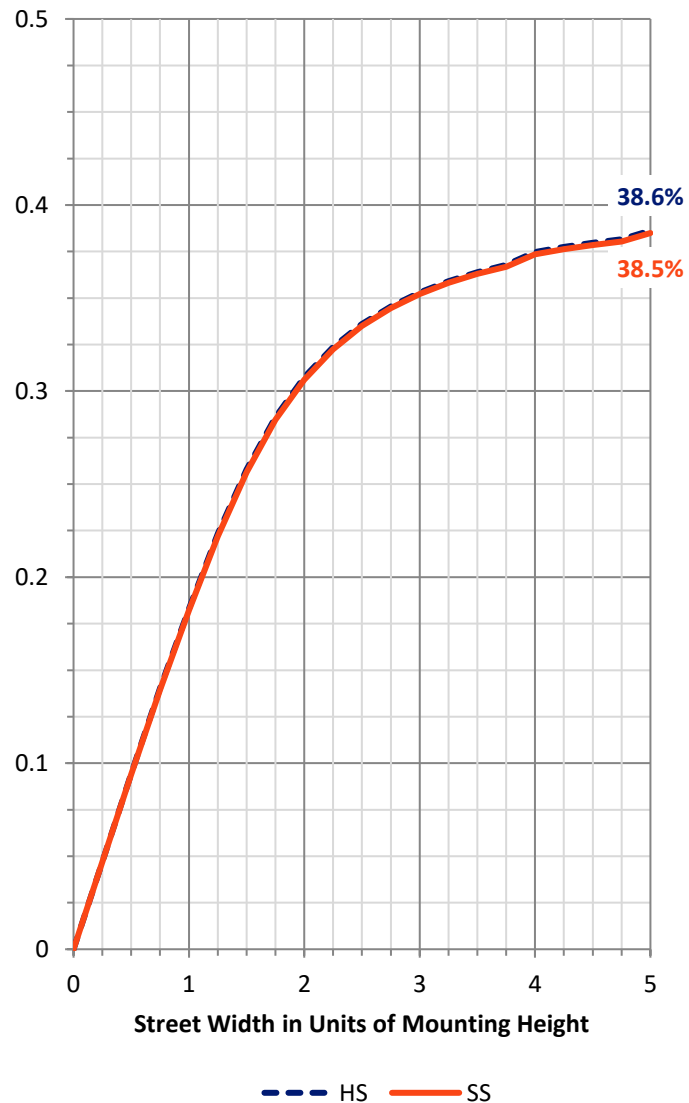
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55633.5	644.0	56277.4
	% Lamp	39.7	0.5	40.2
Street Side	Lumens	55633.5	644.0	56277.4
	% Lamp	39.7	0.5	40.2
Total	Lumens	111266.9	1288.0	112554.9
	% Lamp	79.5	0.9	80.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	449.7	0.4	0.3
10°-20°	1769.8	1.6	1.3
20°-30°	3916.2	3.5	2.8
30°-40°	7301.1	6.5	5.2
40°-50°	14053.9	12.5	10.0
50°-60°	25881.9	23.0	18.5
60°-70°	30579.3	27.2	21.8
70°-80°	20401.6	18.1	14.6
80°-90°	7898.2	7.0	5.6
90°-100°	1162.4	1.0	0.8
100°-110°	189.1	0.2	0.1
110°-120°	11.9	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°	111266.9	98.9	79.5
0°-180°	112554.9	100.0	80.4

Coefficient of Utilization



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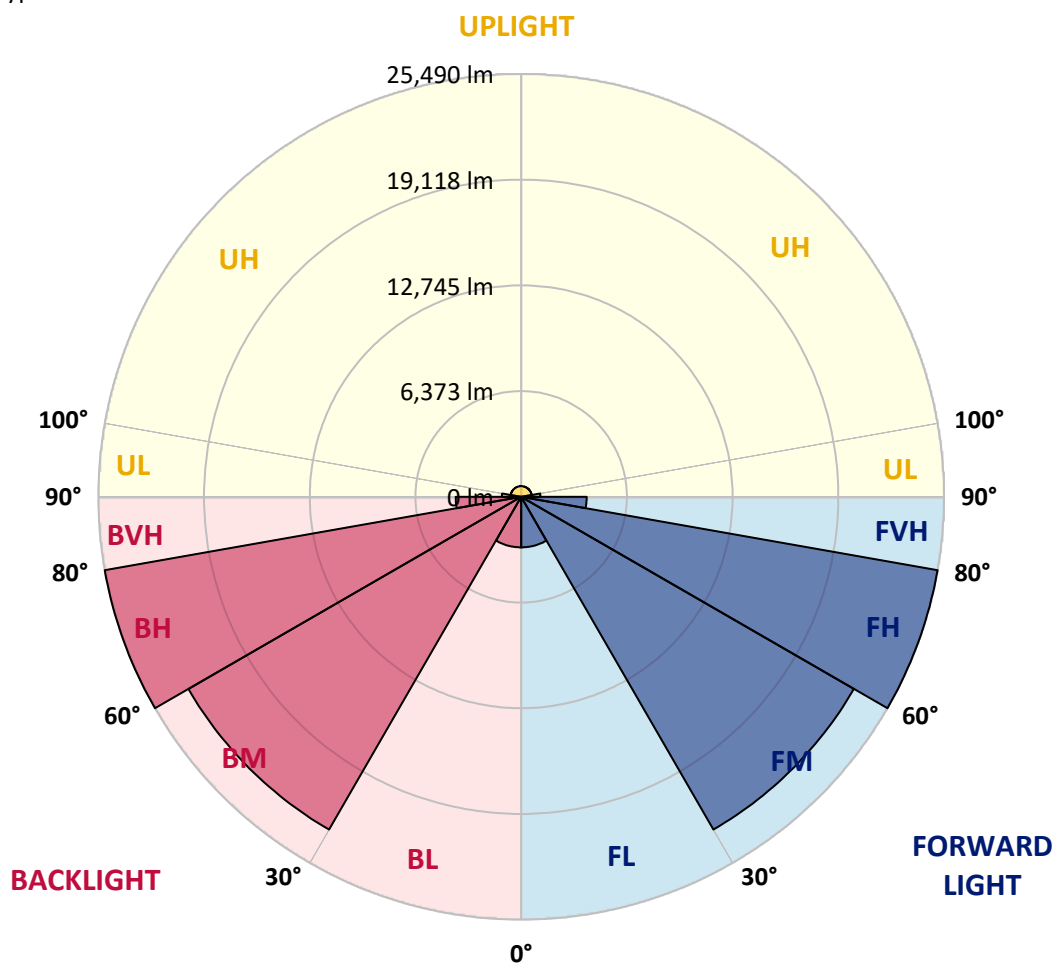
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3047.3	2.2			
FM	(30°-60°)	23160.6	16.5			
FH	(60°-80°)	25490.5	18.2			G5
FVH	(80°-90°)	3949.1	2.8			G5
BL	(0°-30°)	3047.3	2.2	B4/5000		
BM	(30°-60°)	23160.6	16.5	B5		
BH	(60°-80°)	25490.5	18.2	B5		G5
BVH	(80°-90°)	3949.1	2.8			G5
UL	(90°-100°)	1162.4	0.8		U5	
UH	(100°-180°)	644.0	0.5		U4/1000	
Trapped Light		27445.1	19.6			

BUG Rating: B5-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	4481
5°	4363
15°	6140
25°	8330
35°	11043
45°	16073
50°	22736
55°	29099
60°	34113
62.5°	33034
65°	31400
67.5°	28940
70°	26005
72.5°	23371
75°	19071
77.5°	15660
80°	12487
82.5°	9790
85°	6949
87.5°	4681
90°	2681
95°	619
105°	48
115°	0
125°	0
135°	0
145°	0
155°	0
165°	0
175°	0
180°	0

(END OF REPORT)