

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: 767608

Luminaire Tested: **GSL-XX-1000-HPS-XX-AR-FG-XX-X**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 767608
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GSL-XX-1000-HPS-XX-AR-FG-XX-X
Description: LARGE ARCHITECTURAL AREA FIXTURE-VERTICAL LAMP-ROUND DISTRIBUTION
Light Source: 1000 WATT HPS CLEAR BT-37
Ballast/Driver: -

Summary

Lumens per Lamp: 135000 (1 lamp)
Luminaire Lumens: 95234.7 lumens
Efficiency: 70.5%
Efficacy: 95.2 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type V - Short - Cutoff
BUG Rating: B5 - U1 - 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: 25 FT

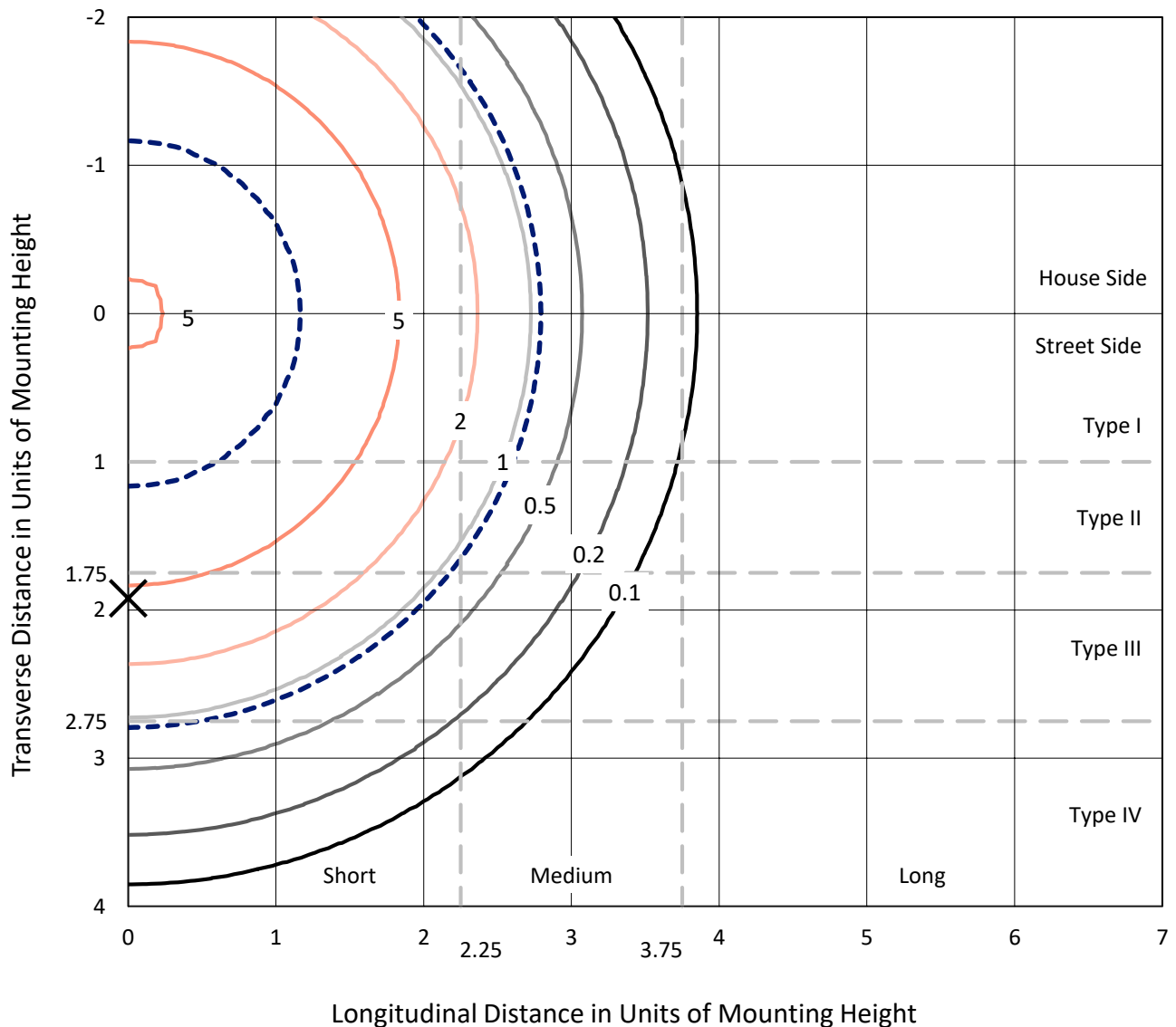


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

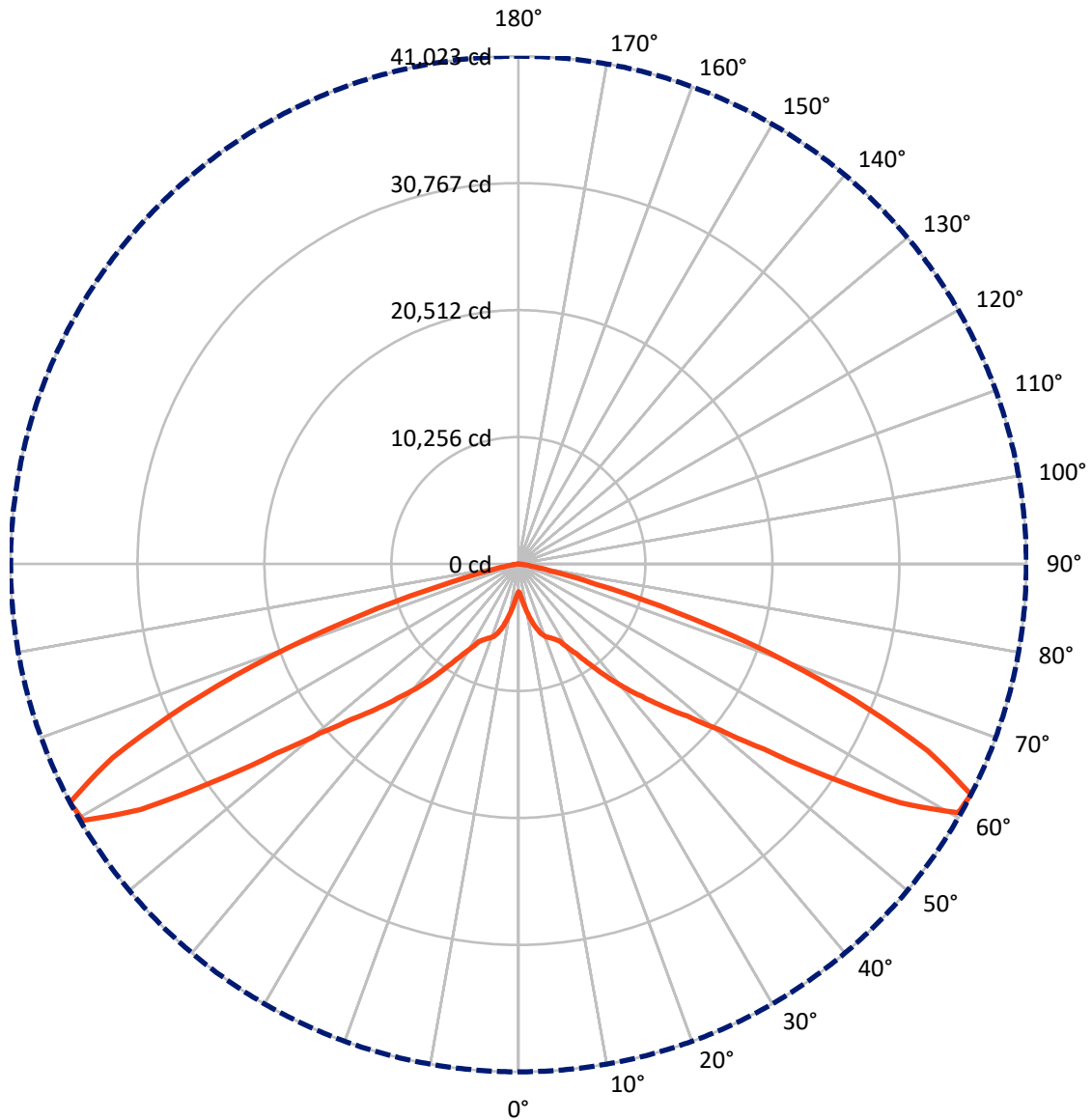


Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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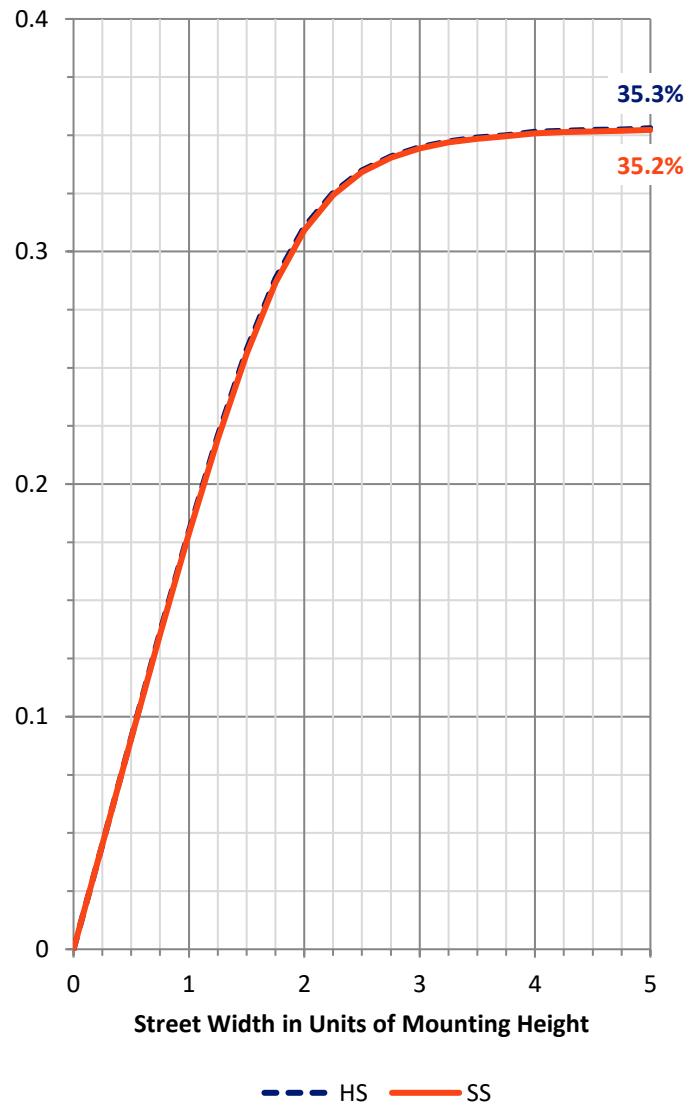
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47616.7	0.7	47617.4
	% Lamp	35.3	0.0	35.3
Street Side	Lumens	47616.7	0.7	47617.4
	% Lamp	35.3	0.0	35.3
Total	Lumens	95233.4	1.4	95234.7
	% Lamp	70.5	0.0	70.5

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	308.1	0.3	0.2
10°-20°	1527.9	1.6	1.1
20°-30°	3170.3	3.3	2.3
30°-40°	6434.1	6.8	4.8
40°-50°	12943.9	13.6	9.6
50°-60°	27644.8	29.0	20.5
60°-70°	34037.2	35.7	25.2
70°-80°	8792.0	9.2	6.5
80°-90°	375.0	0.4	0.3
90°-100°	1.4	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°	95233.4	100.0	70.5
0°-180°	95234.7	100.0	70.5



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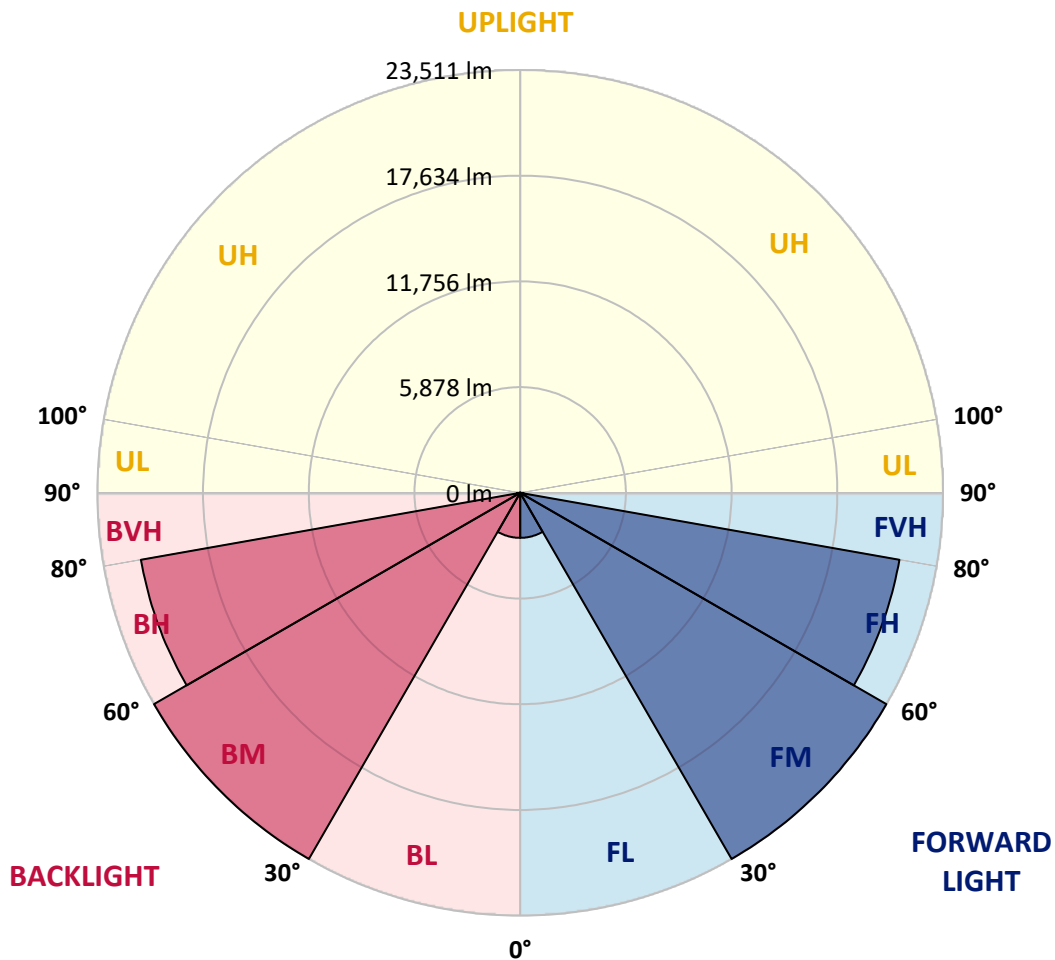
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2503.1	1.9			
FM	(30°-60°)	23511.4	17.4			
FH	(60°-80°)	21414.6	15.9			G5
FVH	(80°-90°)	187.5	0.1			G2/225
BL	(0°-30°)	2503.1	1.9	B4/5000		
BM	(30°-60°)	23511.4	17.4	B5		
BH	(60°-80°)	21414.6	15.9	B5		G5
BVH	(80°-90°)	187.5	0.1			G2/225
UL	(90°-100°)	1.4	0.0		U1/10	
UH	(100°-180°)	0.7	0.0		U1/10	
Trapped Light		39765.3	29.5			

BUG Rating: B5-U1-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2240
2.5°	2410
5°	2844
7.5°	3384
10°	4010
12.5°	4701
15°	5355
17.5°	5901
20°	6255
22.5°	6463
25°	6701
27.5°	7031
30°	7823
32.5°	8694
35°	9964
37.5°	11458
40°	13050
42.5°	14614
45°	16428
47.5°	18350
50°	21029
52.5°	24845
55°	30285
57.5°	36404
60°	40800
62.5°	41023
65°	36315
67.5°	29219
70°	21470
72.5°	13366
75°	6321
77.5°	2563
80°	1135
82.5°	473
85°	276
87.5°	61
90°	5
95°	0
105°	0
115°	0
125°	0
135°	0
145°	0
155°	0
165°	0



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CANDELA DISTRIBUTION (continued):

	0°
175°	0
180°	0

(END OF REPORT)