

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: ALL-PRO

Report Number: P13782

Luminaire Tested: **AL2550LPCBZ**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P13782  
Test Lab: INNOVATION CENTER P-1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: ALL-PRO  
Catalog Number: AL2550LPCBZ  
Description: CONSUMER PRODUCTS NINE INCH BRONZE BARN LIGHT WITH 7 LEDS IN A BLOB OPTIC, A SEMISPECULAR REFLECTOR, AND A CLEAR PRISMATIC 3.5 INCH TALL BY 7.5 INCH WIDE CIRCULAR REFRACTOR.  
Light Source: (7) NICHIA 5000K LEDS  
NVSW219BT  
Ballast/Driver: (1) HEP ELECTRONIC DRIVER  
LCC30W1200

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2684 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.62' x H: 0')  
IES Classification: Type V - Short - Cutoff  
BUG Rating: B1 - U2 - G1

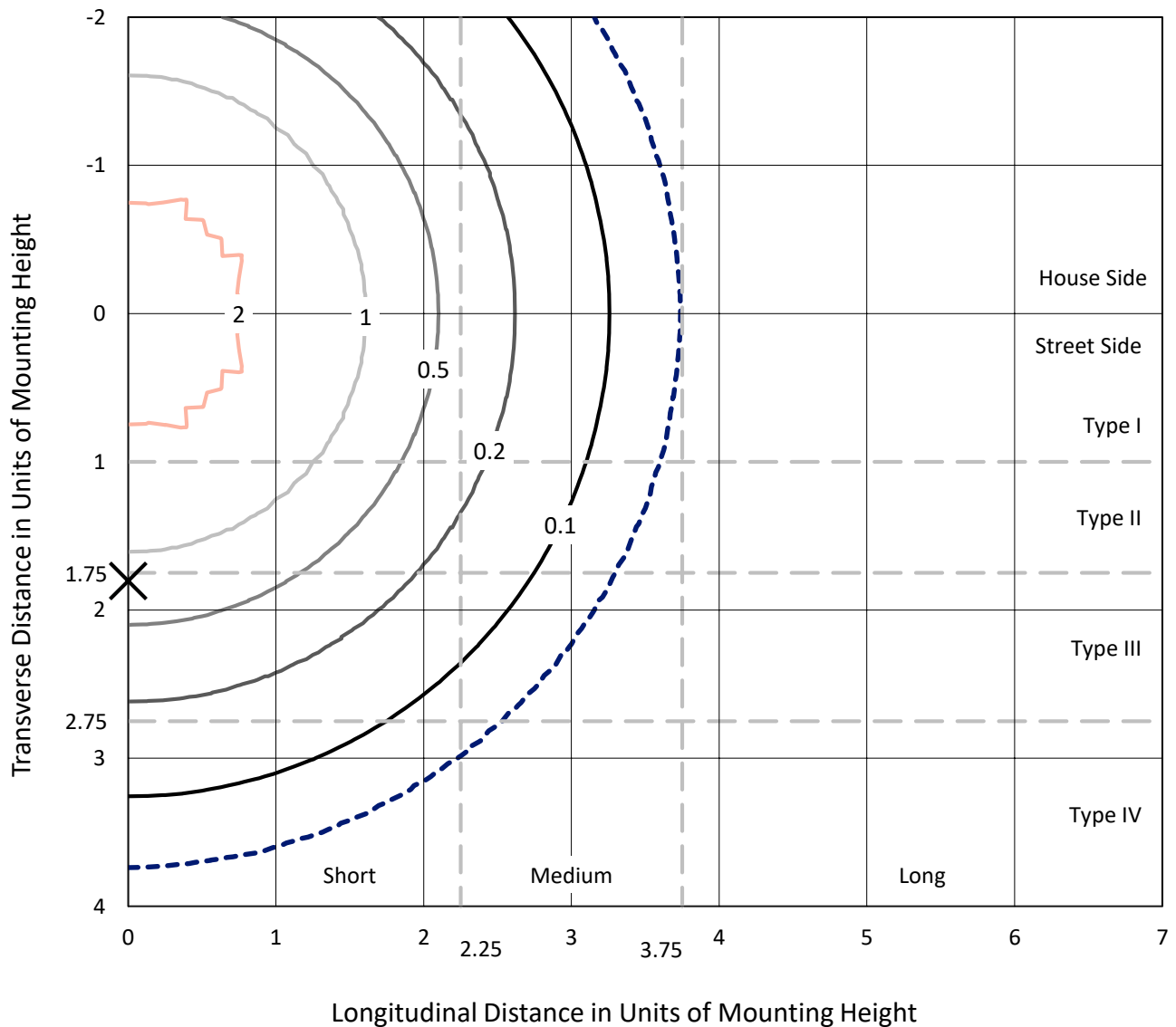
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): 0.24895  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

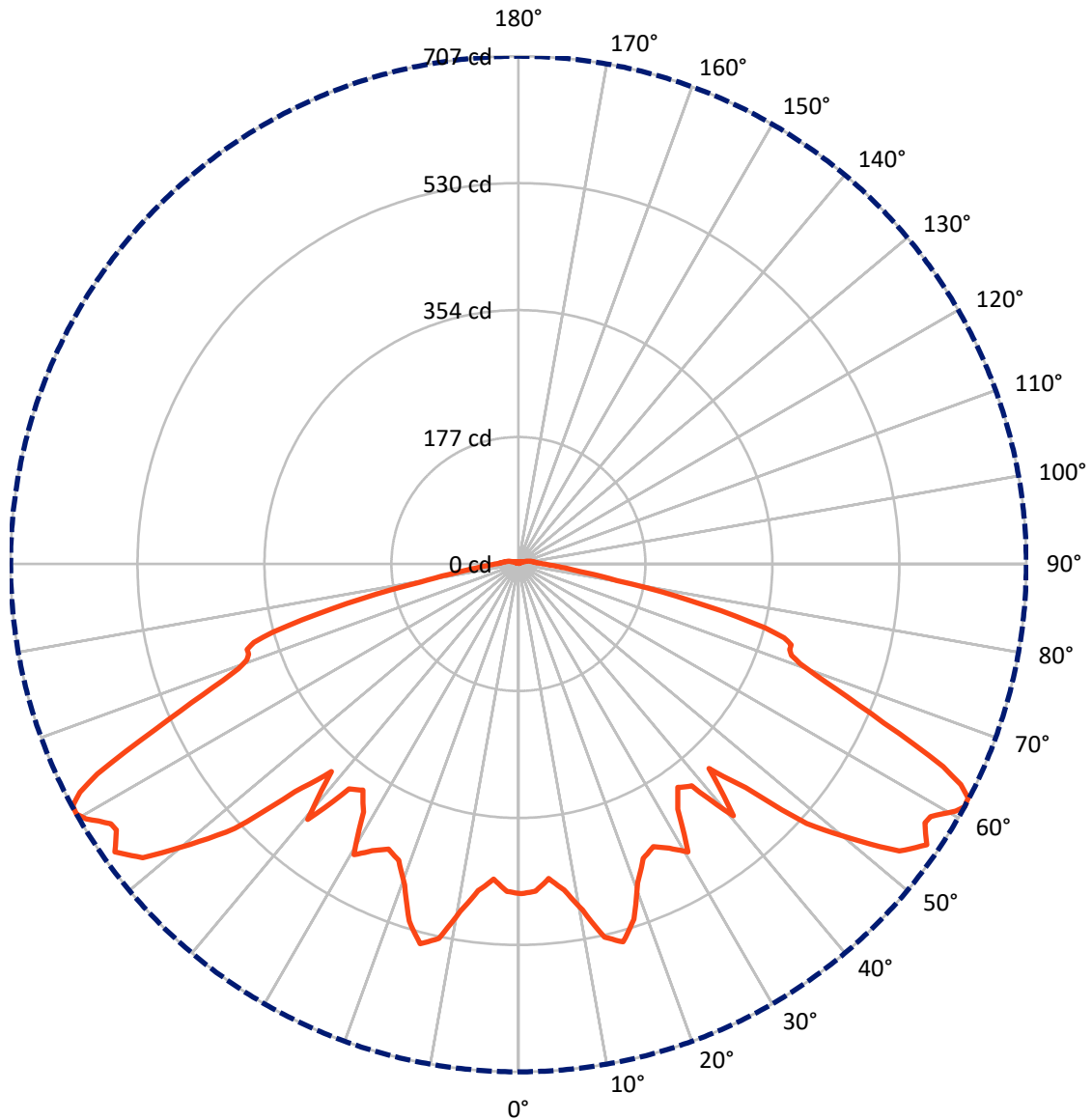
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 61-Deg Vertical

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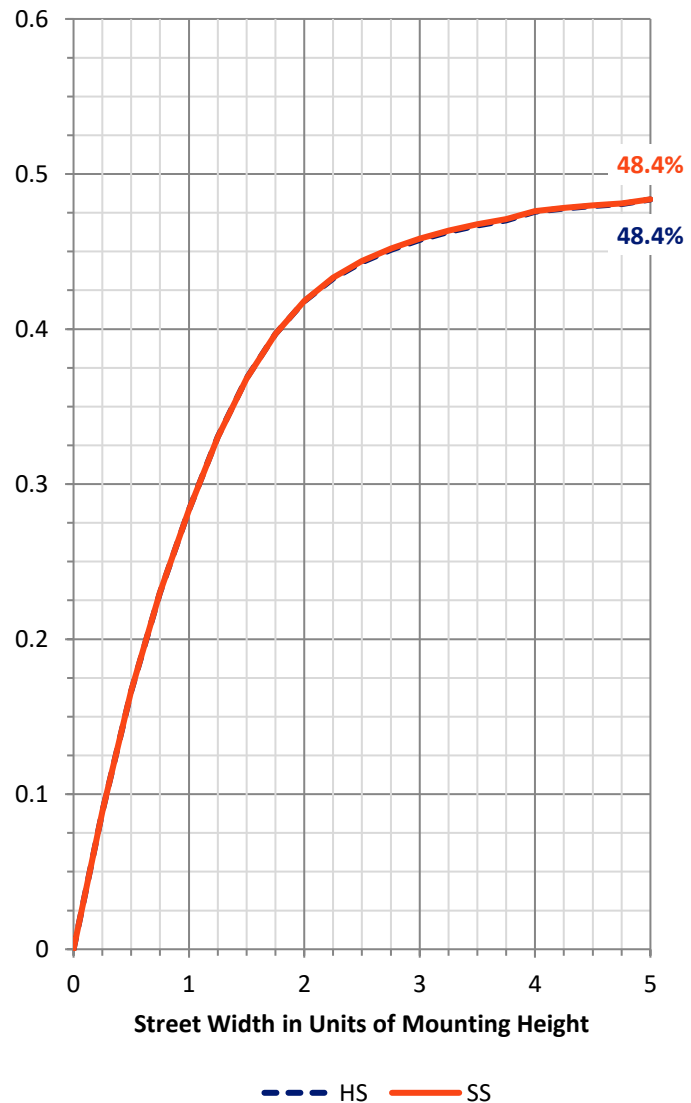
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1311.8	30.1	1342.0
	% Fixture	48.9	1.1	50.0
<b>Street Side</b>	Lumens	1311.8	30.1	1342.0
	% Fixture	48.9	1.1	50.0
<b>Total</b>	Lumens	2623.7	60.3	2684.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	1.6
10°-20°	147.2	5.5
20°-30°	208.1	7.8
30°-40°	258.0	9.6
40°-50°	370.8	13.8
50°-60°	599.6	22.3
60°-70°	583.9	21.8
70°-80°	336.6	12.5
80°-90°	75.6	2.8
90°-100°	26.9	1.0
100°-110°	15.8	0.6
110°-120°	6.9	0.3
120°-130°	4.3	0.2
130°-140°	3.2	0.1
140°-150°	2.1	0.1
150°-160°	1.0	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	2623.7	97.8
0°-180°	2684.0	100.0

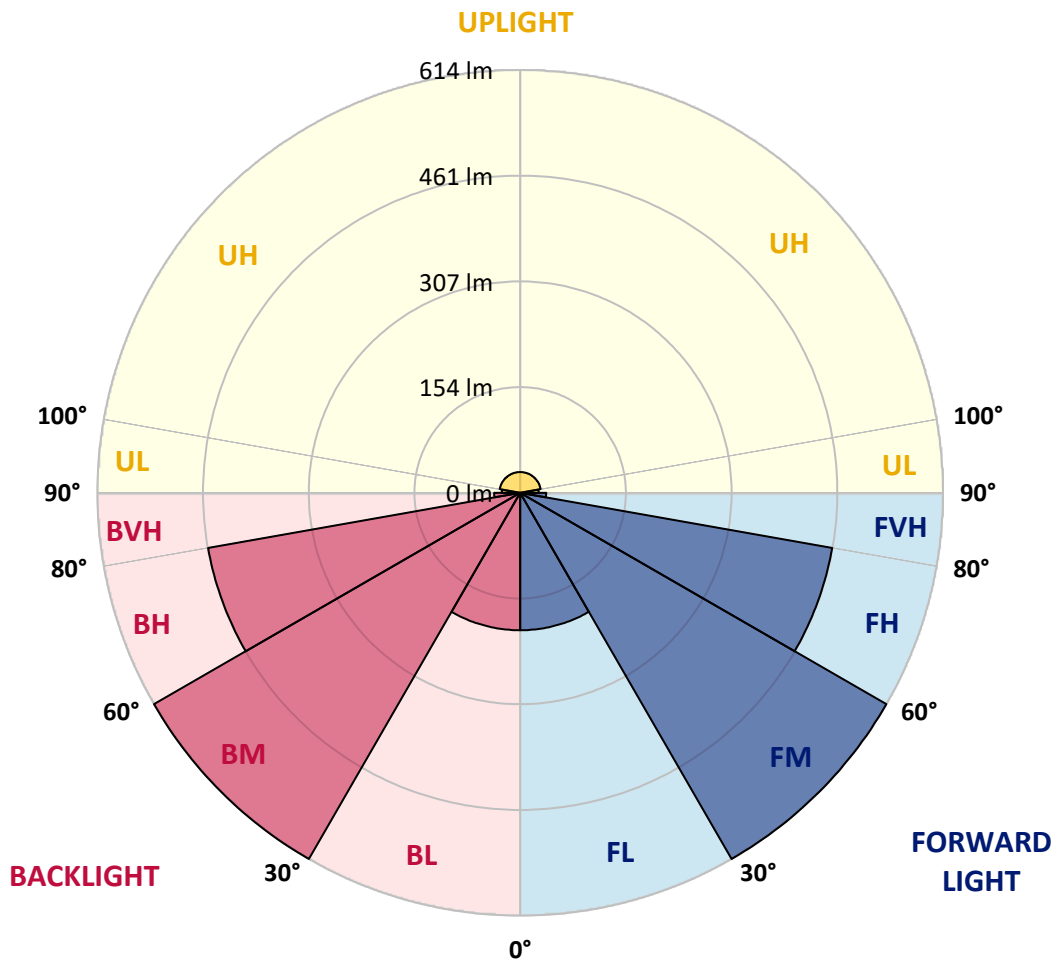


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.6	7.4			
FM	(30°-60°)	614.2	22.9			
FH	(60°-80°)	460.3	17.1			G0/660
FVH	(80°-90°)	37.8	1.4			G1/100
BL	(0°-30°)	199.6	7.4	B1/500		
BM	(30°-60°)	614.2	22.9	B1/1000		
BH	(60°-80°)	460.3	17.1	B1/500		G0/660
BVH	(80°-90°)	37.8	1.4			G1/100
UL	(90°-100°)	26.9	1.0		U2/50	
UH	(100°-180°)	30.1	1.1		U2/50	

**BUG Rating: B1-U2-G1**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	459
2.5°	456
5°	440
7.5°	458
10°	490
12.5°	533
15°	546
17.5°	520
20°	474
22.5°	445
25°	436
27.5°	448
30°	465
32.5°	407
35°	382
37.5°	392
40°	461
42.5°	389
45°	444
47.5°	540
50°	601
52.5°	664
55°	690
56°	680
57°	671
58°	673
59°	685
60°	699
61°	707
62°	706
63°	688
64°	655
65°	606
66°	555
67°	513
68°	476
69°	442
70°	416
71°	401
72°	396
73°	396
74°	384
75°	355
77.5°	245
80°	139

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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	87
85°	60
87.5°	44
90°	34
92.5°	27
95°	24
97.5°	21
100°	19
102.5°	17
105°	15
107.5°	13
110°	10
112.5°	8
115°	7
117.5°	6
120°	3
122.5°	5
125°	5
127.5°	5
130°	5
132.5°	5
135°	4
137.5°	3
140°	4
142.5°	3
145°	4
147.5°	3
150°	3
152.5°	3
155°	2
157.5°	1
160°	2
162.5°	1
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)