

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: P13780

Luminaire Tested: **AL2550LPCGY**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P13780
Test Lab: INNOVATION CENTER P-1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: AL2550LPCGY
Description: CONSUMER PRODUCTS NINE INCH GREY 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: 2696.6 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.62' x H: 0.29')
IES Classification: Type V - Short - Cutoff
BUG Rating: B1 - U2 - G1

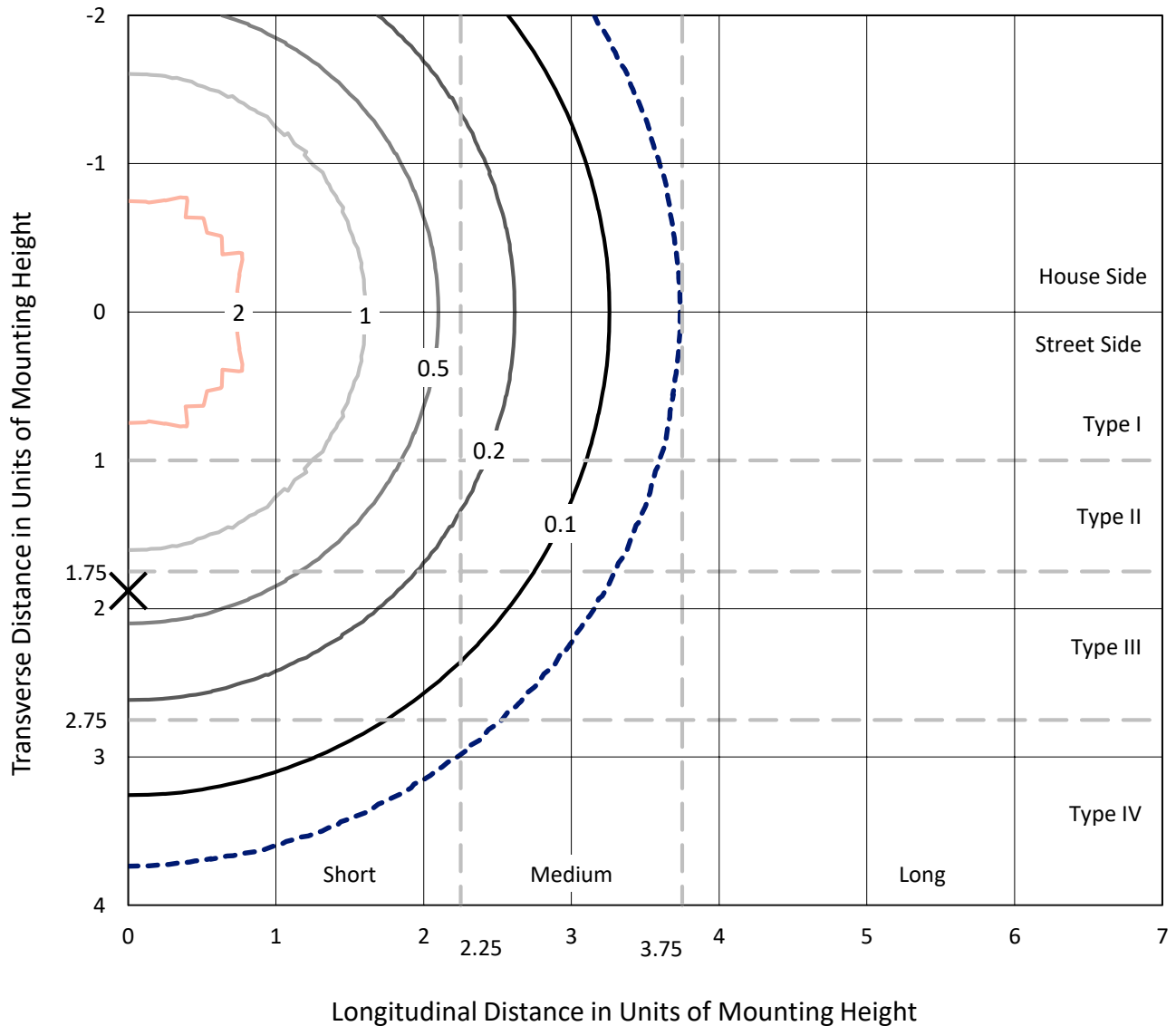
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): 0.24902
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

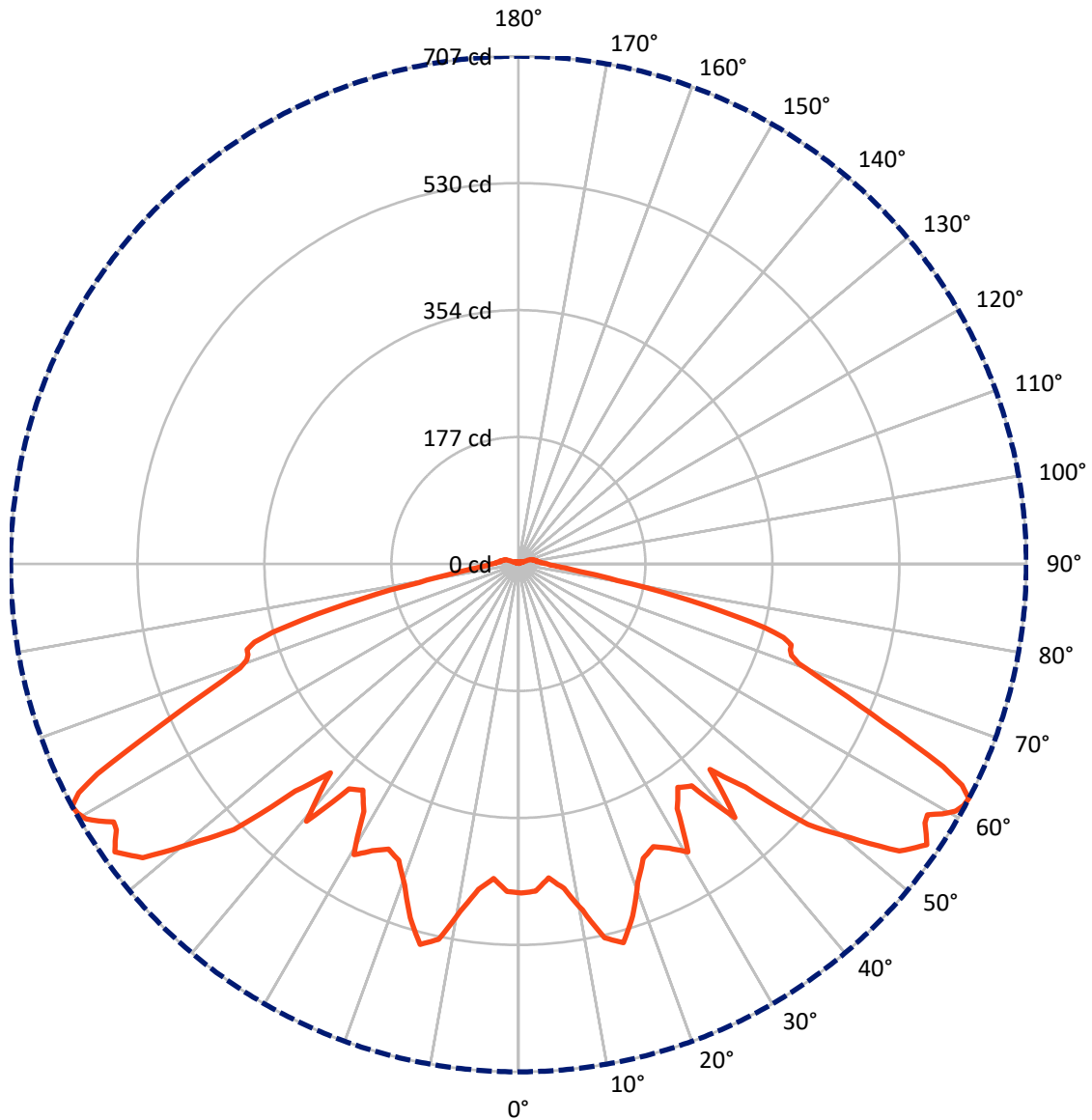
× Max cd
 - - - 1/2 Max cd



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 62-Deg Vertical

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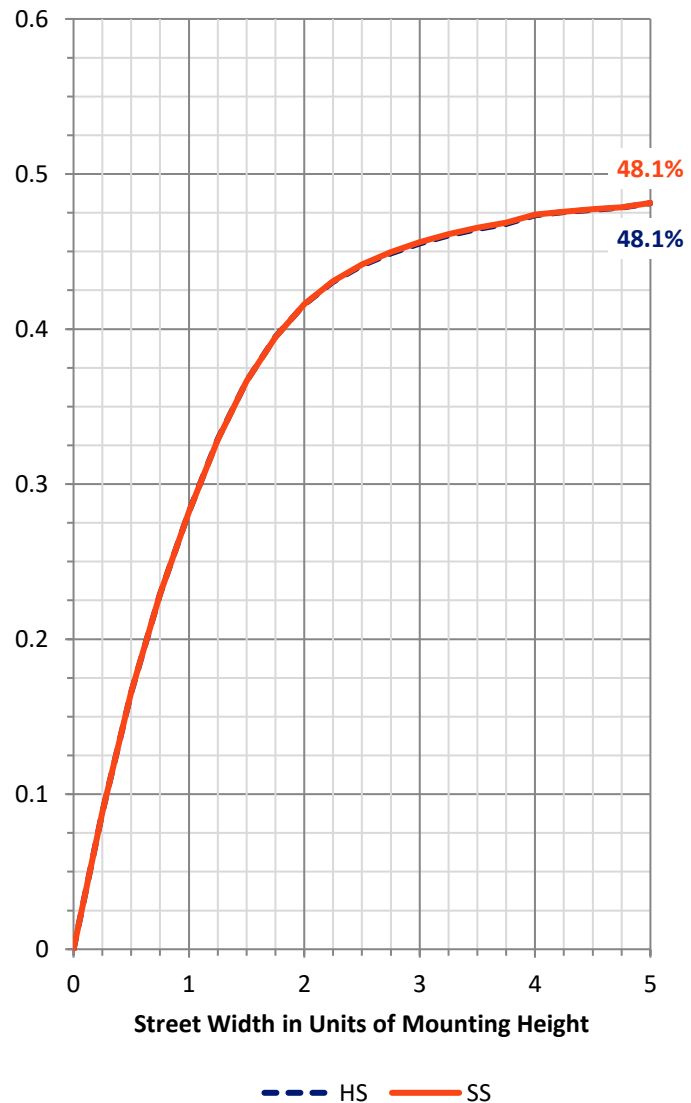
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.1	36.2	1348.3
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	1312.1	36.2	1348.3
	% Fixture	48.7	1.3	50.0
Total	Lumens	2624.1	72.5	2696.6
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.6
10°-20°	146.9	5.4
20°-30°	208.1	7.7
30°-40°	258.1	9.6
40°-50°	371.4	13.8
50°-60°	599.0	22.2
60°-70°	583.7	21.6
70°-80°	336.4	12.5
80°-90°	76.7	2.8
90°-100°	32.6	1.2
100°-110°	22.8	0.8
110°-120°	7.6	0.3
120°-130°	3.9	0.1
130°-140°	2.7	0.1
140°-150°	2.0	0.1
150°-160°	0.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2624.1	97.3
0°-180°	2696.6	100.0



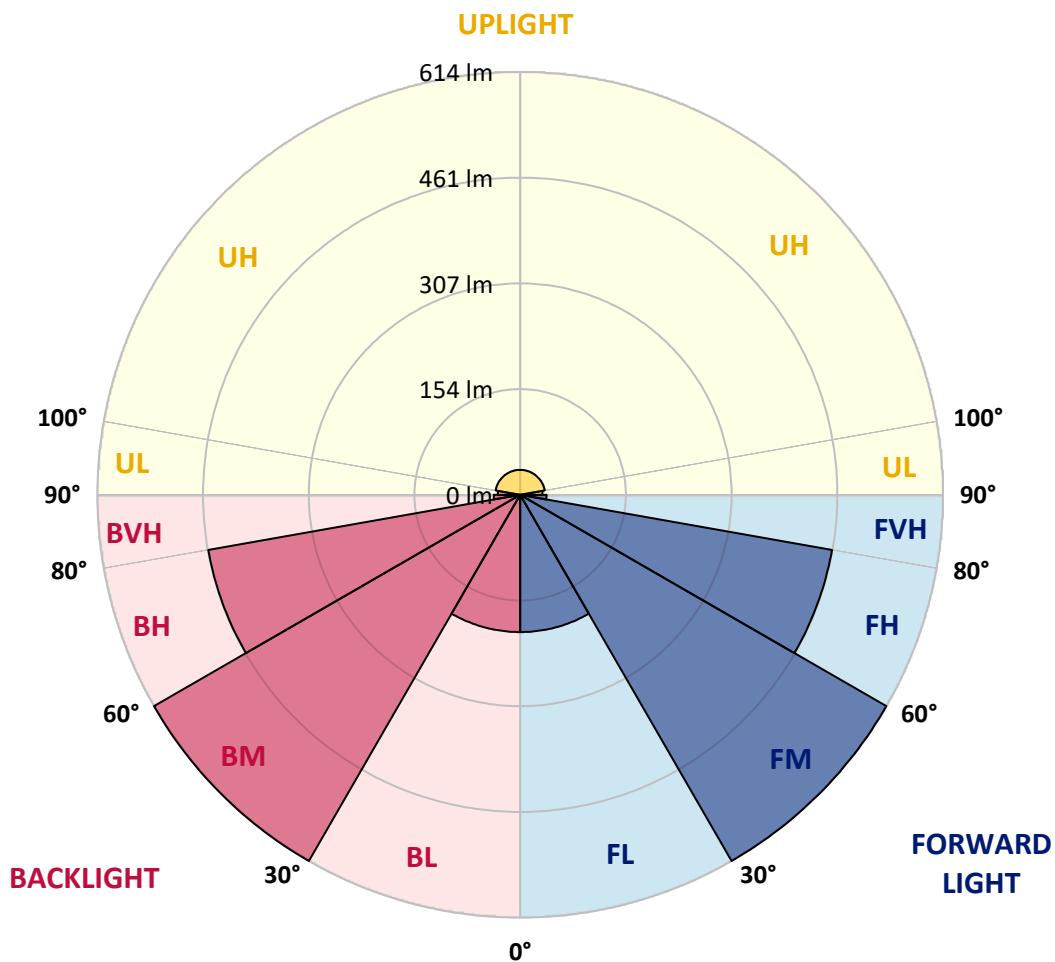
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.4	7.4			
FM (30°-60°)	614.3	22.8			
FH (60°-80°)	460.1	17.1			G0/660
FVH (80°-90°)	38.3	1.4			G1/100
BL (0°-30°)	199.4	7.4	B1/500		
BM (30°-60°)	614.3	22.8	B1/1000		
BH (60°-80°)	460.1	17.1	B1/500		G0/660
BVH (80°-90°)	38.3	1.4			G1/100
UL (90°-100°)	32.6	1.2		U2/50	
UH (100°-180°)	36.2	1.3		U2/50	

BUG Rating: B1-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	458
2.5°	456
5°	439
7.5°	456
10°	490
12.5°	534
15°	547
17.5°	515
20°	474
22.5°	445
25°	436
27.5°	448
30°	465
32.5°	406
35°	382
37.5°	392
40°	464
42.5°	391
45°	443
47.5°	542
50°	599
52.5°	664
55°	690
56°	681
57°	671
58°	668
59°	685
60°	699
61°	705
62°	707
63°	690
64°	655
65°	604
66°	555
67°	514
68°	476
69°	441
70°	414
71°	401
72°	397
73°	396
74°	383
75°	355
77.5°	244
80°	140

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CANDELA DISTRIBUTION (continued):

	0°
82.5°	87
85°	60
87.5°	45
90°	39
92.5°	32
95°	30
97.5°	25
100°	26
102.5°	23
105°	21
107.5°	20
110°	18
112.5°	8
115°	6
117.5°	6
120°	3
122.5°	5
125°	5
127.5°	4
130°	4
132.5°	4
135°	4
137.5°	2
140°	4
142.5°	3
145°	3
147.5°	3
150°	3
152.5°	2
155°	1
157.5°	1
160°	1
162.5°	1
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)