

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505053

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505053
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

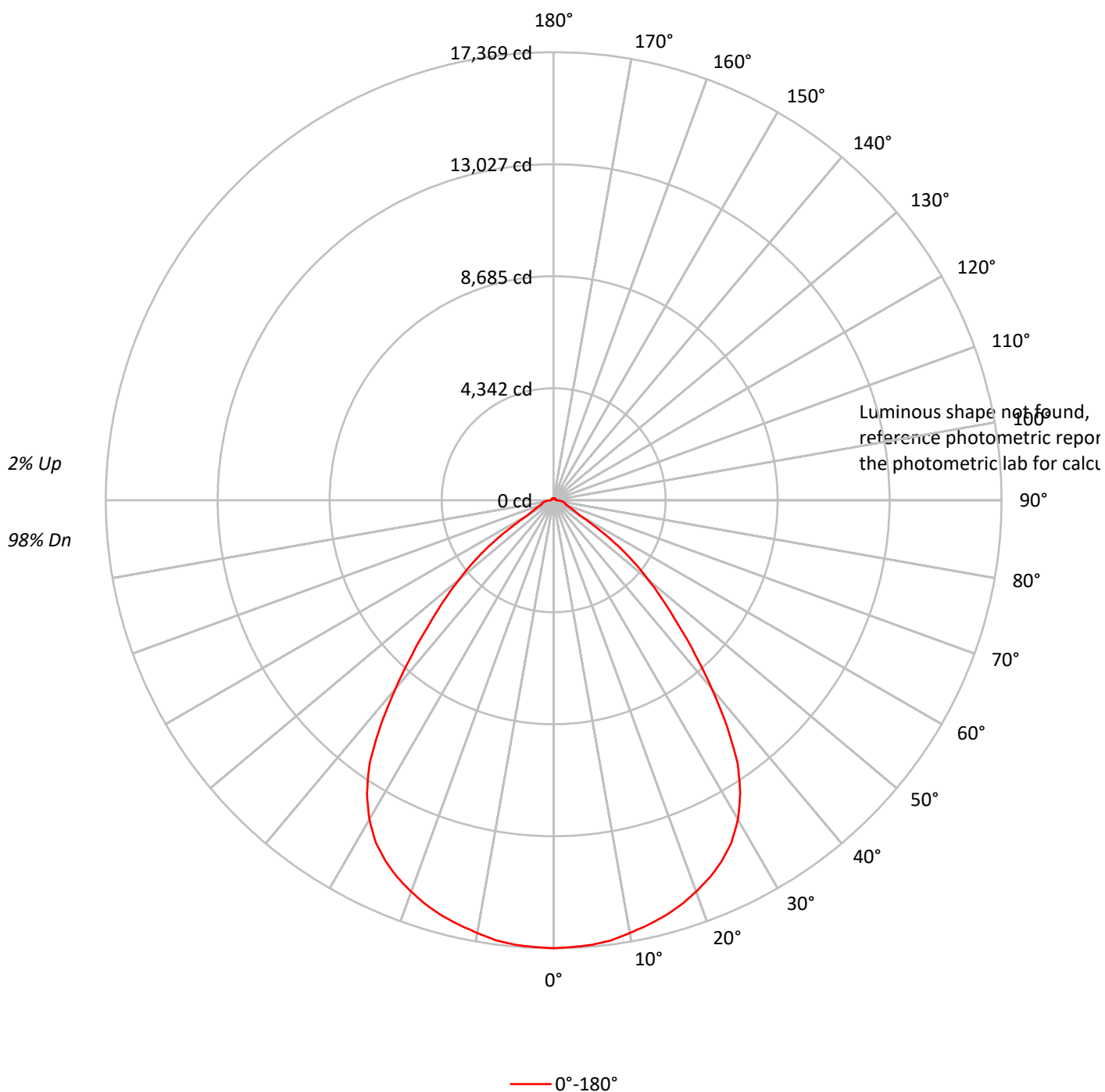
Lumens per Lamp: N/A
Luminaire Lumens: 31068.9 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
Input Voltage (V): 120
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: 24 FT

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Luminous Intensity Polar Plot





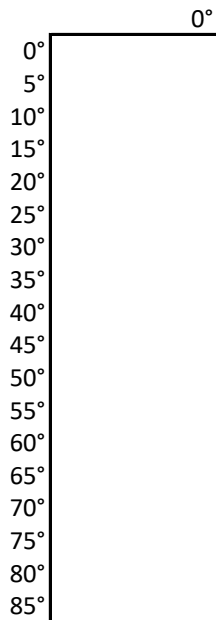
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80	78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1642.9	5.3
10°-20°	4706.1	15.1
20°-30°	7082.5	22.8
30°-40°	7613.2	24.5
40°-50°	5355.2	17.2
50°-60°	2598.1	8.4
60°-70°	776.1	2.5
70°-80°	478.7	1.5
80°-90°	275.6	0.9
90°-100°	99.9	0.3
100°-110°	97.0	0.3
110°-120°	89.6	0.3
120°-130°	78.2	0.3
130°-140°	65.6	0.2
140°-150°	53.9	0.2
150°-160°	35.4	0.1
160°-170°	16.4	0.1
170°-180°	4.4	0.0
0°-30°	13431.6	43.2
0°-40°	21044.7	67.7
0°-60°	28998.0	93.3
0°-90°	30528.4	98.3
90°-120°	286.5	0.9
90°-150°	484.2	1.6
90°-180°	540.0	1.7
0°-180°	31068.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17369	
5°	17298	###
15°	16681	4706
25°	15433	7083
35°	12438	7613
45°	6854	5355
55°	2919	2598
65°	760	776
75°	452	479
85°	261	238
90°	95	63
95°	91	74
105°	92	97
115°	91	90
125°	88	78
135°	84	66
145°	86	54
155°	75	35
165°	57	16
175°	44	4
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17369.2
2.5°	17337.6
5°	17297.6
7.5°	17202.7
10°	17033.1
12.5°	16868.7
15°	16681.1
17.5°	16444.0
20°	16148.9
22.5°	15826.4
25°	15433.4
27.5°	14942.3
30°	14285.7
32.5°	13470.1
35°	12438.4
37.5°	11028.3
40°	9540.3
42.5°	8137.7
45°	6854.1
47.5°	5761.3
50°	4791.8
52.5°	3881.3
55°	2919.1
57.5°	1953.8
60°	1151.8
62.5°	931.6
65°	759.8
67.5°	615.4
70°	521.6
72.5°	480.5
75°	452.1
77.5°	426.8
80°	383.6
82.5°	328.8
85°	261.4
87.5°	182.3
90°	94.8
92.5°	90.6
95°	90.6
97.5°	91.7
100°	91.7
102.5°	91.7
105°	91.7
107.5°	91.7
110°	91.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.6
115°	90.6
117.5°	89.6
120°	88.5
122.5°	87.5
125°	87.5
127.5°	86.4
130°	85.4
132.5°	85.4
135°	84.3
137.5°	84.3
140°	84.3
142.5°	85.4
145°	86.4
147.5°	86.4
150°	86.4
152.5°	81.1
155°	74.8
157.5°	71.7
160°	66.4
162.5°	61.1
165°	56.9
167.5°	52.7
170°	49.5
172.5°	46.4
175°	44.3
177.5°	43.2
180°	43.2

(END OF REPORT)