

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: P1505359

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505359
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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-B-04-CLER-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

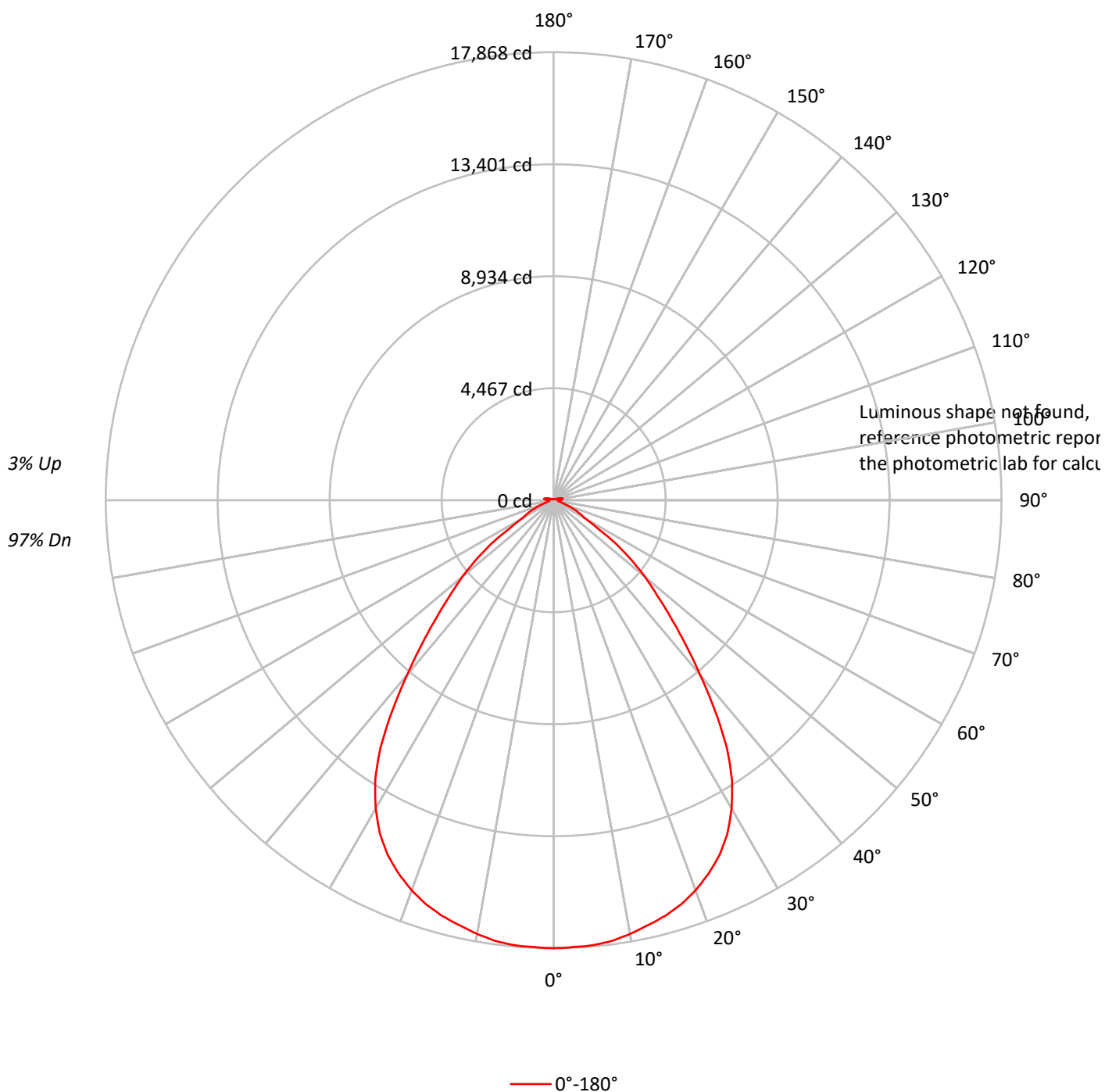
Lumens per Lamp: N/A
Luminaire Lumens: 31415.3 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	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°	1692.8	5.4
10°-20°	4839.3	15.4
20°-30°	7159.9	22.8
30°-40°	7396.5	23.5
40°-50°	5150.3	16.4
50°-60°	2692.8	8.6
60°-70°	972.6	3.1
70°-80°	333.2	1.1
80°-90°	201.0	0.6
90°-100°	352.7	1.1
100°-110°	320.5	1.0
110°-120°	139.5	0.4
120°-130°	55.2	0.2
130°-140°	38.5	0.1
140°-150°	31.4	0.1
150°-160°	22.4	0.1
160°-170°	12.6	0.0
170°-180°	4.0	0.0
0°-30°	13692.0	43.6
0°-40°	21088.5	67.1
0°-60°	28931.6	92.1
0°-90°	30438.4	96.9
90°-120°	812.6	2.6
90°-150°	937.8	3.0
90°-180°	977.0	3.1
0°-180°	31415.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17868	
5°	17821	###
15°	17161	4839
25°	15632	7160
35°	12046	7397
45°	6582	5150
55°	3045	2693
65°	992	973
75°	290	333
85°	168	145
90°	225	126
95°	340	283
105°	307	320
115°	134	139
125°	58	55
135°	49	39
145°	50	31
155°	48	22
165°	44	13
175°	43	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17867.6
2.5°	17839.4
5°	17820.6
7.5°	17729.6
10°	17563.4
12.5°	17364.8
15°	17160.9
17.5°	16900.6
20°	16555.7
22.5°	16135.4
25°	15631.6
27.5°	15001.2
30°	14199.4
32.5°	13245.0
35°	12045.9
37.5°	10564.6
40°	9093.8
42.5°	7757.8
45°	6581.7
47.5°	5575.0
50°	4755.4
52.5°	3903.4
55°	3045.2
57.5°	2090.8
60°	1440.5
62.5°	1230.4
65°	992.1
67.5°	738.0
70°	524.8
72.5°	378.4
75°	289.6
77.5°	236.3
80°	195.5
82.5°	171.4
85°	168.3
87.5°	187.1
90°	224.8
92.5°	283.3
95°	339.7
97.5°	372.2
100°	372.2
102.5°	346.0
105°	307.3
107.5°	262.4
110°	215.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	171.4
115°	133.8
117.5°	104.5
120°	82.6
122.5°	67.9
125°	58.5
127.5°	52.3
130°	50.2
132.5°	49.1
135°	49.1
137.5°	50.2
140°	51.2
142.5°	50.2
145°	50.2
147.5°	49.1
150°	49.1
152.5°	49.1
155°	48.1
157.5°	48.1
160°	47.0
162.5°	46.0
165°	43.9
167.5°	42.9
170°	41.8
172.5°	41.8
175°	42.9
177.5°	42.9
180°	43.9

(END OF REPORT)