

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: P1505306

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505306
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)
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-BLAK-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

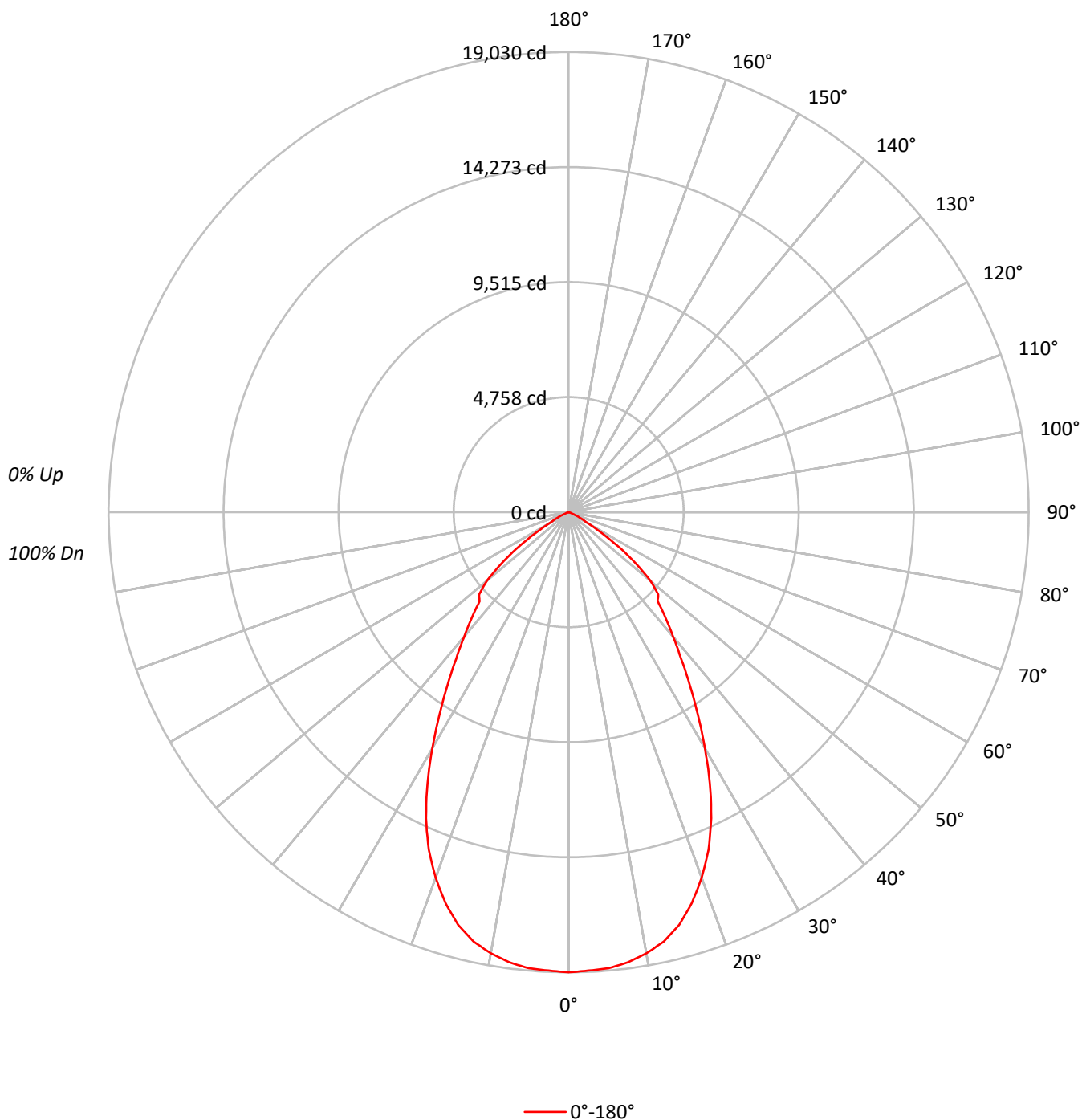
Lumens per Lamp: N/A
Luminaire Lumens: 25518.5 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.9
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	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47		
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136291
5°	136135
10°	134706
15°	130985
20°	122615
25°	110308
30°	93184
35°	76335
40°	62845
45°	52708
50°	49069
55°	33064
60°	12877
65°	6423
70°	1675
75°	498
80°	577
85°	657

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 53301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1794.0	7.0
10°-20°	4932.4	19.3
20°-30°	6344.1	24.9
30°-40°	5491.5	21.5
40°-50°	4184.4	16.4
50°-60°	2325.0	9.1
60°-70°	408.3	1.6
70°-80°	30.7	0.1
80°-90°	8.2	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	13070.5	51.2
0°-40°	18562.0	72.7
0°-60°	25071.3	98.2
0°-90°	25518.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25518.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19030	
5°	18936	###
15°	17666	4932
25°	13959	6344
35°	8731	5491
45°	5204	4184
55°	2648	2325
65°	379	408
75°	18	31
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19030
2.5°	18975
5°	18936
7.5°	18776
10°	18523
12.5°	18183
15°	17666
17.5°	16946
20°	16088
22.5°	15113
25°	13959
27.5°	12644
30°	11268
32.5°	9959
35°	8731
37.5°	7639
40°	6722
42.5°	5933
45°	5204
47.5°	5028
50°	4404
52.5°	3538
55°	2648
57.5°	1666
60°	899
62.5°	608
65°	379
67.5°	190
70°	80
72.5°	35
75°	18
77.5°	17
80°	14
82.5°	11
85°	8
87.5°	4
90°	0

(END OF REPORT)