

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: P1505486

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505486
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-115)
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-06-BLAK-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

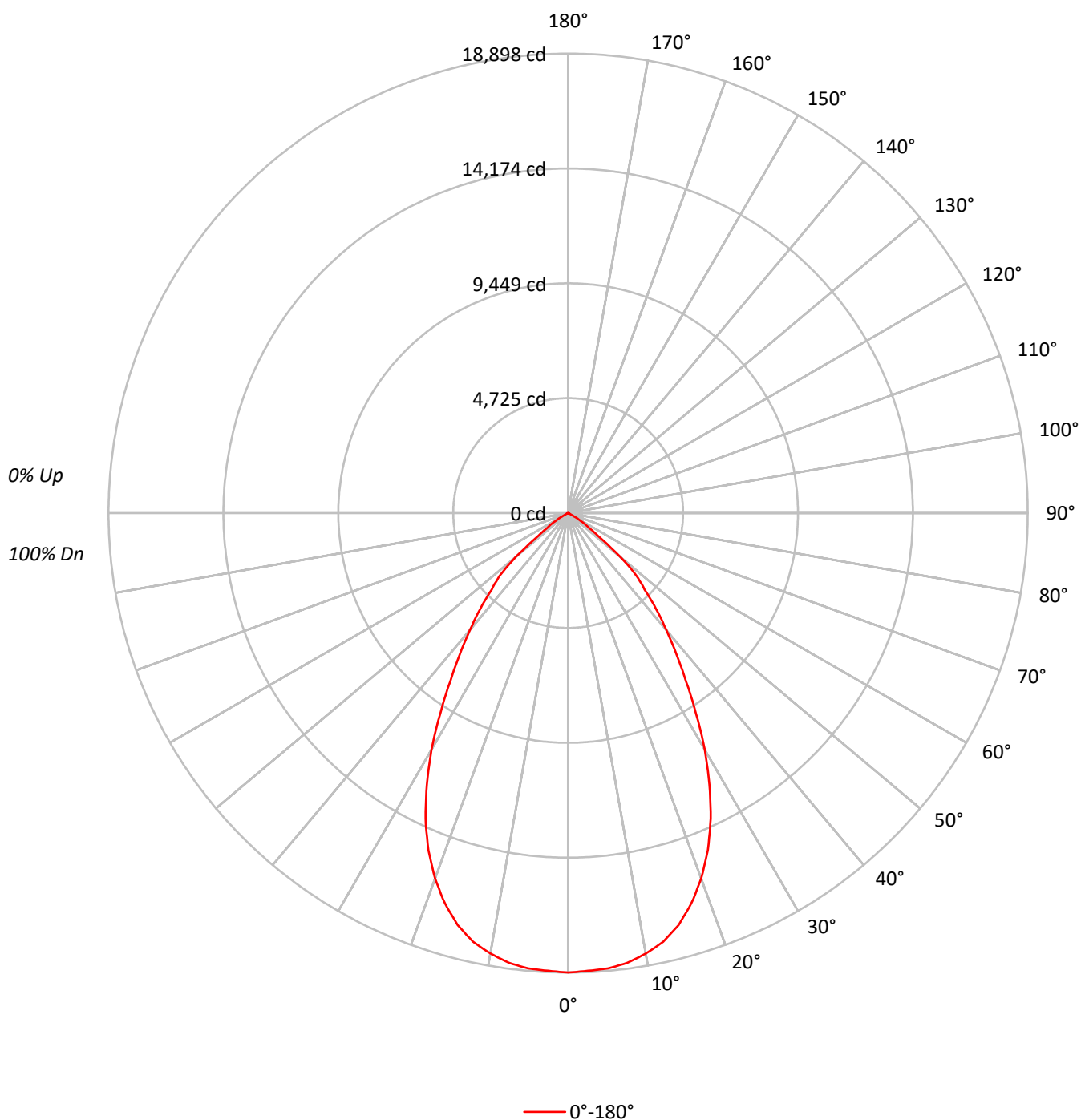
Lumens per Lamp: N/A
Luminaire Lumens: 23017.3 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 196.3
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				0
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70			
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120402
5°	120229
10°	118992
15°	115699
20°	108379
25°	97496
30°	82631
35°	65776
40°	52172
45°	40059
50°	27713
55°	11385
60°	4880
65°	1116
70°	577
75°	591
80°	587
85°	585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1781.9	7.7
10°-20°	4899.6	21.3
20°-30°	6307.2	27.4
30°-40°	5327.9	23.1
40°-50°	3479.7	15.1
50°-60°	1066.0	4.6
60°-70°	121.0	0.5
70°-80°	25.2	0.1
80°-90°	8.7	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°	12988.6	56.4
0°-40°	18316.6	79.6
0°-60°	22862.3	99.3
0°-90°	23017.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23017.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18898	
5°	18799	###
15°	17541	4900
25°	13869	6307
35°	8457	5328
45°	4446	3480
55°	1025	1066
65°	74	121
75°	24	25
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18898
2.5°	18844
5°	18799
7.5°	18660
10°	18393
12.5°	18060
15°	17541
17.5°	16841
20°	15985
22.5°	15004
25°	13869
27.5°	12584
30°	11232
32.5°	9796
35°	8457
37.5°	7307
40°	6273
42.5°	5352
45°	4446
47.5°	3821
50°	2796
52.5°	1530
55°	1025
57.5°	690
60°	383
62.5°	176
65°	74
67.5°	39
70°	31
72.5°	28
75°	24
77.5°	20
80°	16
82.5°	12
85°	8
87.5°	4
90°	0

(END OF REPORT)