

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: P1505495

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505495
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 (4000K_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

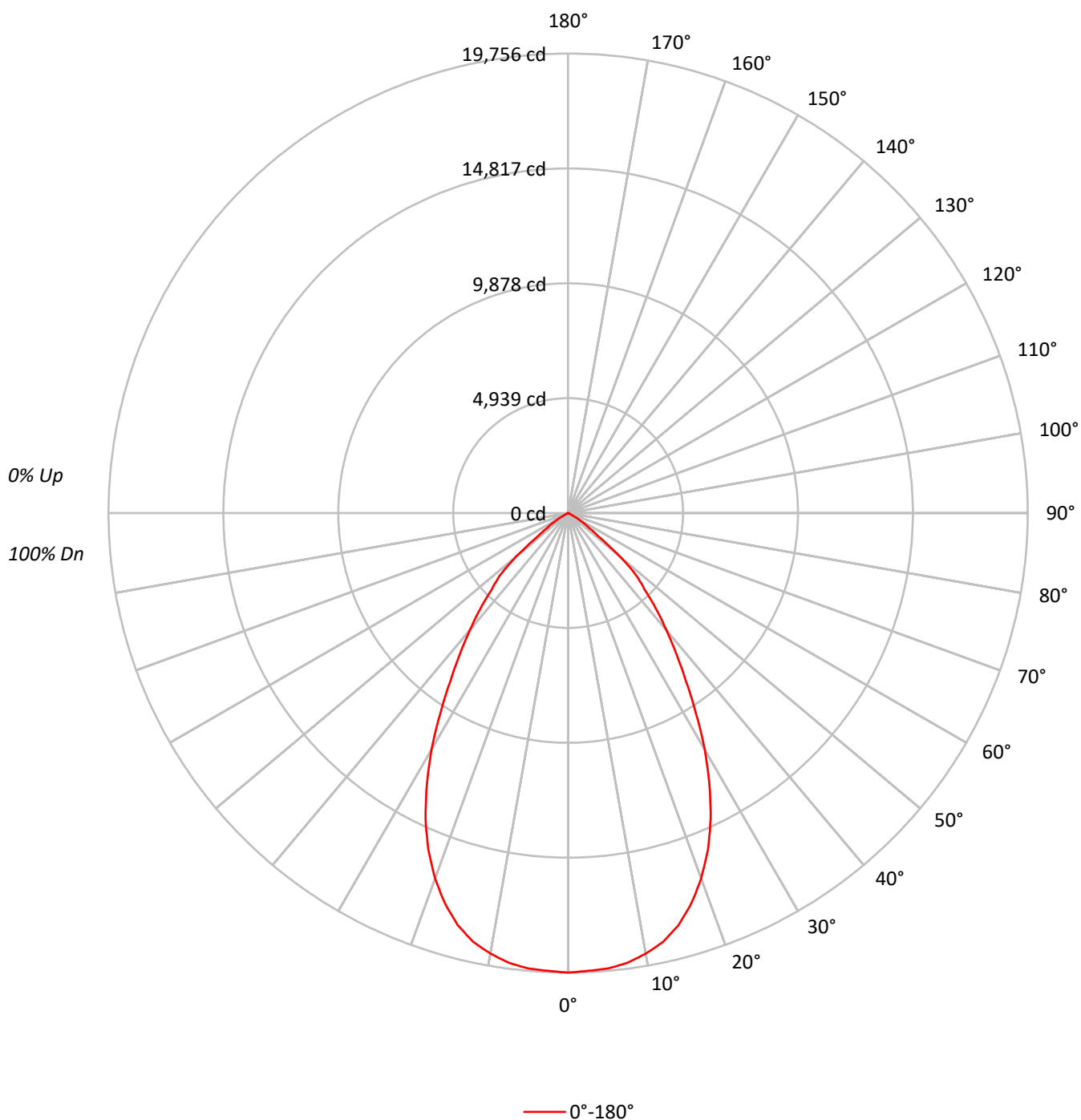
Lumens per Lamp: N/A
Luminaire Lumens: 24061.8 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	125866
5°	125685
10°	124392
15°	120949
20°	113297
25°	101921
30°	86381
35°	68761
40°	54540
45°	41877
50°	28971
55°	11902
60°	5102
65°	1167
70°	604
75°	618
80°	613
85°	614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1862.7	7.7
10°-20°	5122.0	21.3
20°-30°	6593.4	27.4
30°-40°	5569.7	23.1
40°-50°	3637.7	15.1
50°-60°	1114.4	4.6
60°-70°	126.5	0.5
70°-80°	26.3	0.1
80°-90°	9.1	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°	13578.1	56.4
0°-40°	19147.8	79.6
0°-60°	23899.8	99.3
0°-90°	24061.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24061.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19756	
5°	19652	###
15°	18337	5122
25°	14498	6593
35°	8841	5570
45°	4648	3638
55°	1072	1114
65°	77	127
75°	25	26
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19755.6
2.5°	19699.1
5°	19652.1
7.5°	19506.8
10°	19227.7
12.5°	18879.5
15°	18337.0
17.5°	17605.2
20°	16710.4
22.5°	15684.9
25°	14498.4
27.5°	13155.0
30°	11741.7
32.5°	10240.5
35°	8840.8
37.5°	7638.6
40°	6557.7
42.5°	5594.9
45°	4647.8
47.5°	3994.4
50°	2922.9
52.5°	1599.4
55°	1071.5
57.5°	721.3
60°	400.4
62.5°	184.0
65°	77.4
67.5°	40.8
70°	32.4
72.5°	29.3
75°	25.1
77.5°	20.9
80°	16.7
82.5°	12.5
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)