

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: P1505326

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505326
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
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 (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

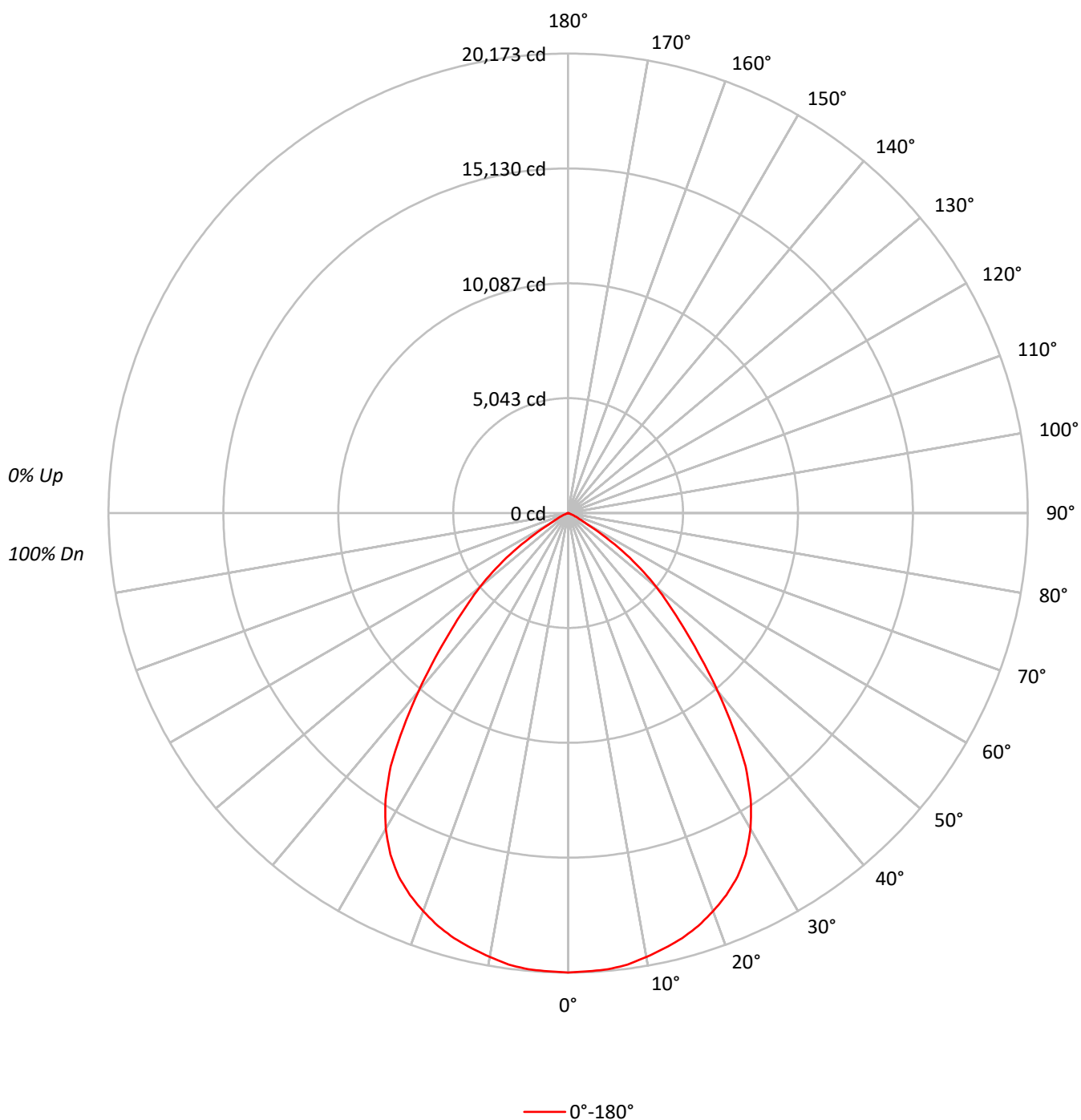
Lumens per Lamp: N/A
Luminaire Lumens: 32389.5 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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	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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144477
5°	144537
10°	143918
15°	143292
20°	141776
25°	139080
30°	132376
35°	118692
40°	95356
45°	73299
50°	56209
55°	36319
60°	11748
65°	5689
70°	1533
75°	609
80°	705
85°	805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73299 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1909.1	5.9
10°-20°	5446.4	16.8
20°-30°	8059.8	24.9
30°-40°	8329.0	25.7
40°-50°	5666.7	17.5
50°-60°	2569.9	7.9
60°-70°	365.5	1.1
70°-80°	32.8	0.1
80°-90°	10.3	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°	15415.3	47.6
0°-40°	23744.3	73.3
0°-60°	31980.9	98.7
0°-90°	32389.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32389.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20173	
5°	20105	###
15°	19326	5446
25°	17600	8060
35°	13576	8329
45°	7237	5667
55°	2909	2570
65°	336	365
75°	22	33
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20173.0
2.5°	20135.2
5°	20104.6
7.5°	19992.3
10°	19789.7
12.5°	19567.6
15°	19325.9
17.5°	19002.4
20°	18602.1
22.5°	18149.2
25°	17600.0
27.5°	16896.9
30°	16007.1
32.5°	14924.4
35°	13575.6
37.5°	11891.2
40°	10199.4
42.5°	8635.8
45°	7237.0
47.5°	6055.4
50°	5044.8
52.5°	3992.6
55°	2908.7
57.5°	1788.2
60°	820.2
62.5°	533.4
65°	335.7
67.5°	175.8
70°	73.2
72.5°	36.6
75°	22.0
77.5°	20.8
80°	17.1
82.5°	13.4
85°	9.8
87.5°	6.1
90°	0.0

(END OF REPORT)