

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: P1505337

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505337
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-93)
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 (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

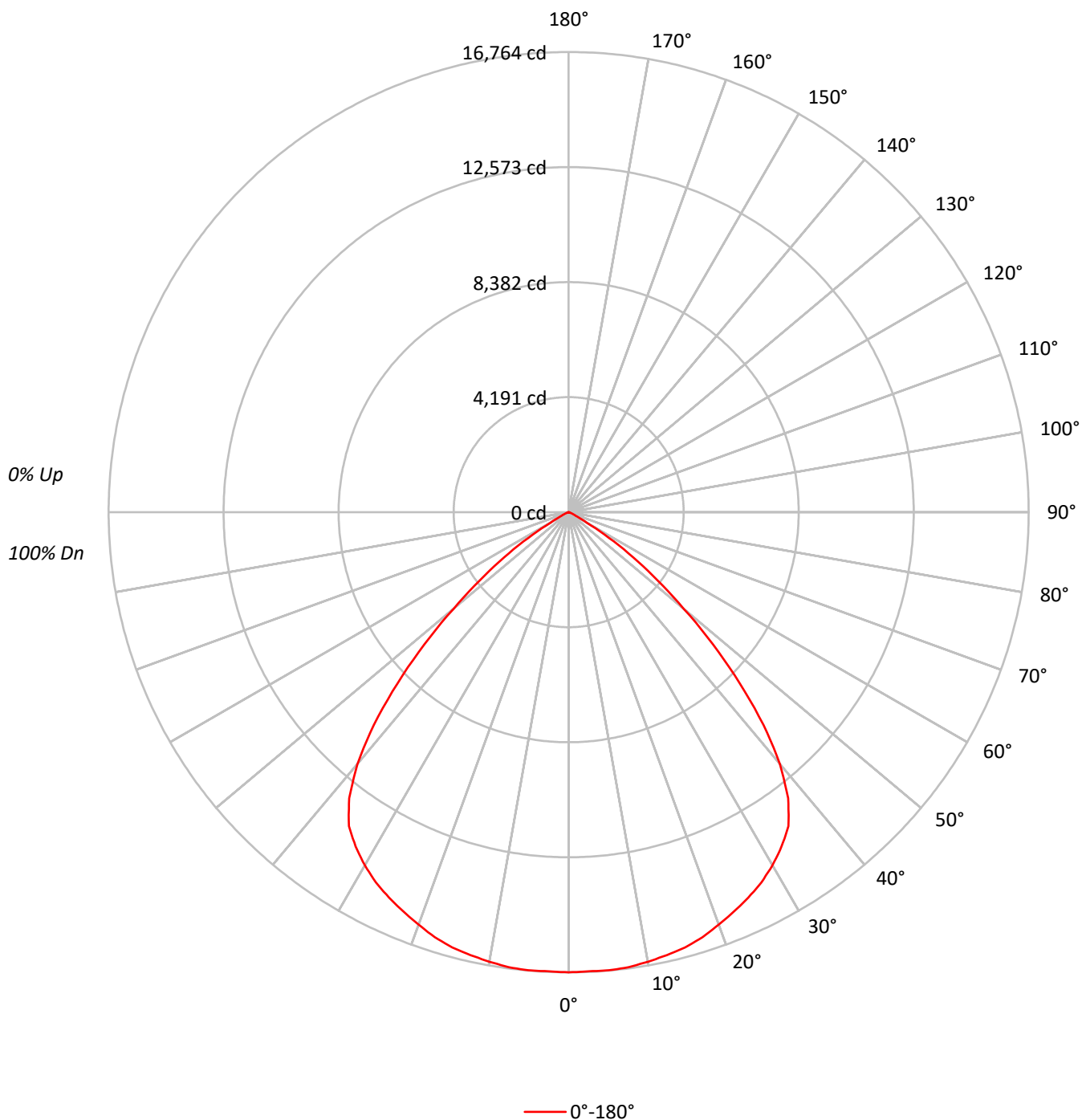
Lumens per Lamp: N/A
Luminaire Lumens: 31619.7 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120062
5°	120445
10°	120926
15°	121683
20°	121847
25°	122419
30°	122842
35°	122107
40°	112016
45°	89382
50°	61108
55°	35828
60°	10875
65°	3435
70°	1177
75°	714
80°	870
85°	1060

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1595.2	5.0
10°-20°	4631.4	14.6
20°-30°	7143.5	22.6
30°-40°	8597.5	27.2
40°-50°	6743.5	21.3
50°-60°	2605.9	8.2
60°-70°	257.0	0.8
70°-80°	32.7	0.1
80°-90°	13.1	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°	13370.2	42.3
0°-40°	21967.6	69.5
0°-60°	31317.0	99.0
0°-90°	31619.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31619.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16764	
5°	16754	###
15°	16411	4631
25°	15492	7144
35°	13966	8597
45°	8825	6743
55°	2869	2606
65°	203	257
75°	26	33
85°	13	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16764.1
2.5°	16740.7
5°	16753.5
7.5°	16718.4
10°	16628.2
12.5°	16527.4
15°	16411.4
17.5°	16233.3
20°	15987.3
22.5°	15744.8
25°	15491.7
27.5°	15205.8
30°	14854.3
32.5°	14441.9
35°	13966.2
37.5°	13133.1
40°	11981.4
42.5°	10506.3
45°	8824.9
47.5°	7126.0
50°	5484.5
52.5°	4066.8
55°	2869.4
57.5°	1739.9
60°	759.2
62.5°	330.4
65°	202.7
67.5°	110.1
70°	56.2
72.5°	36.3
75°	25.8
77.5°	23.4
80°	21.1
82.5°	17.6
85°	12.9
87.5°	7.0
90°	0.0

(END OF REPORT)