

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: P1505310

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505310
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 (3500K_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

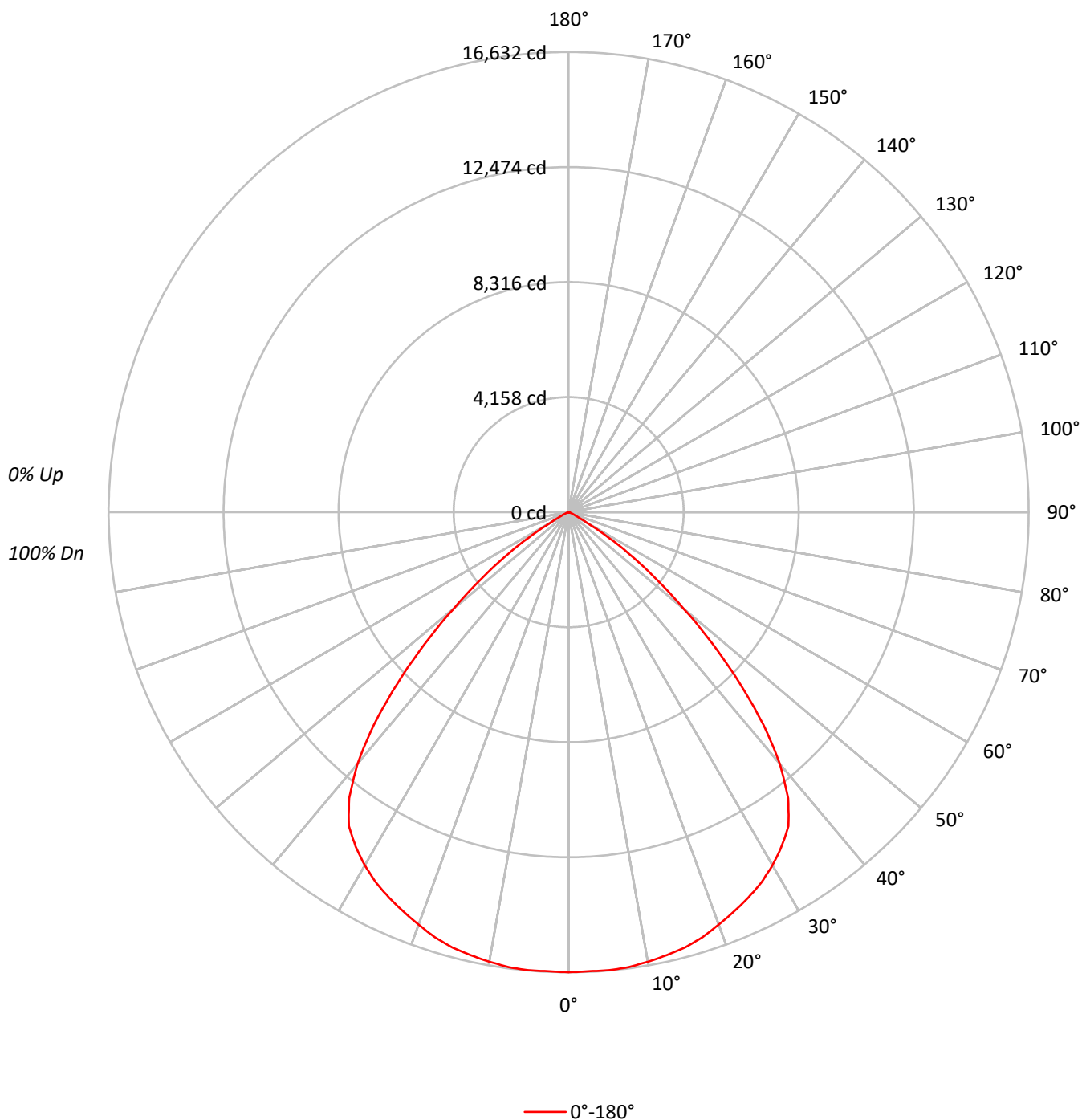
Lumens per Lamp: N/A
Luminaire Lumens: 31371.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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°	119118
5°	119498
10°	119975
15°	120726
20°	120889
25°	121456
30°	121877
35°	121146
40°	111135
45°	88679
50°	60628
55°	35546
60°	10790
65°	3408
70°	1168
75°	708
80°	862
85°	1052

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1582.7	5.0
10°-20°	4595.0	14.6
20°-30°	7087.3	22.6
30°-40°	8529.8	27.2
40°-50°	6690.4	21.3
50°-60°	2585.4	8.2
60°-70°	255.0	0.8
70°-80°	32.4	0.1
80°-90°	13.0	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°	13265.0	42.3
0°-40°	21794.8	69.5
0°-60°	31070.6	99.0
0°-90°	31371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31371.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16632	
5°	16622	###
15°	16282	4595
25°	15370	7087
35°	13856	8530
45°	8756	6690
55°	2847	2585
65°	201	255
75°	26	32
85°	13	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16632.3
2.5°	16609.0
5°	16621.8
7.5°	16586.9
10°	16497.4
12.5°	16397.4
15°	16282.4
17.5°	16105.7
20°	15861.6
22.5°	15620.9
25°	15369.8
27.5°	15086.2
30°	14737.5
32.5°	14328.3
35°	13856.3
37.5°	13029.8
40°	11887.2
42.5°	10423.6
45°	8755.5
47.5°	7070.0
50°	5441.4
52.5°	4034.8
55°	2846.8
57.5°	1726.2
60°	753.3
62.5°	327.8
65°	201.1
67.5°	109.3
70°	55.8
72.5°	36.0
75°	25.6
77.5°	23.2
80°	20.9
82.5°	17.4
85°	12.8
87.5°	7.0
90°	0.0

(END OF REPORT)