

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: P1505634

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505634
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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-WHGL-PS (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

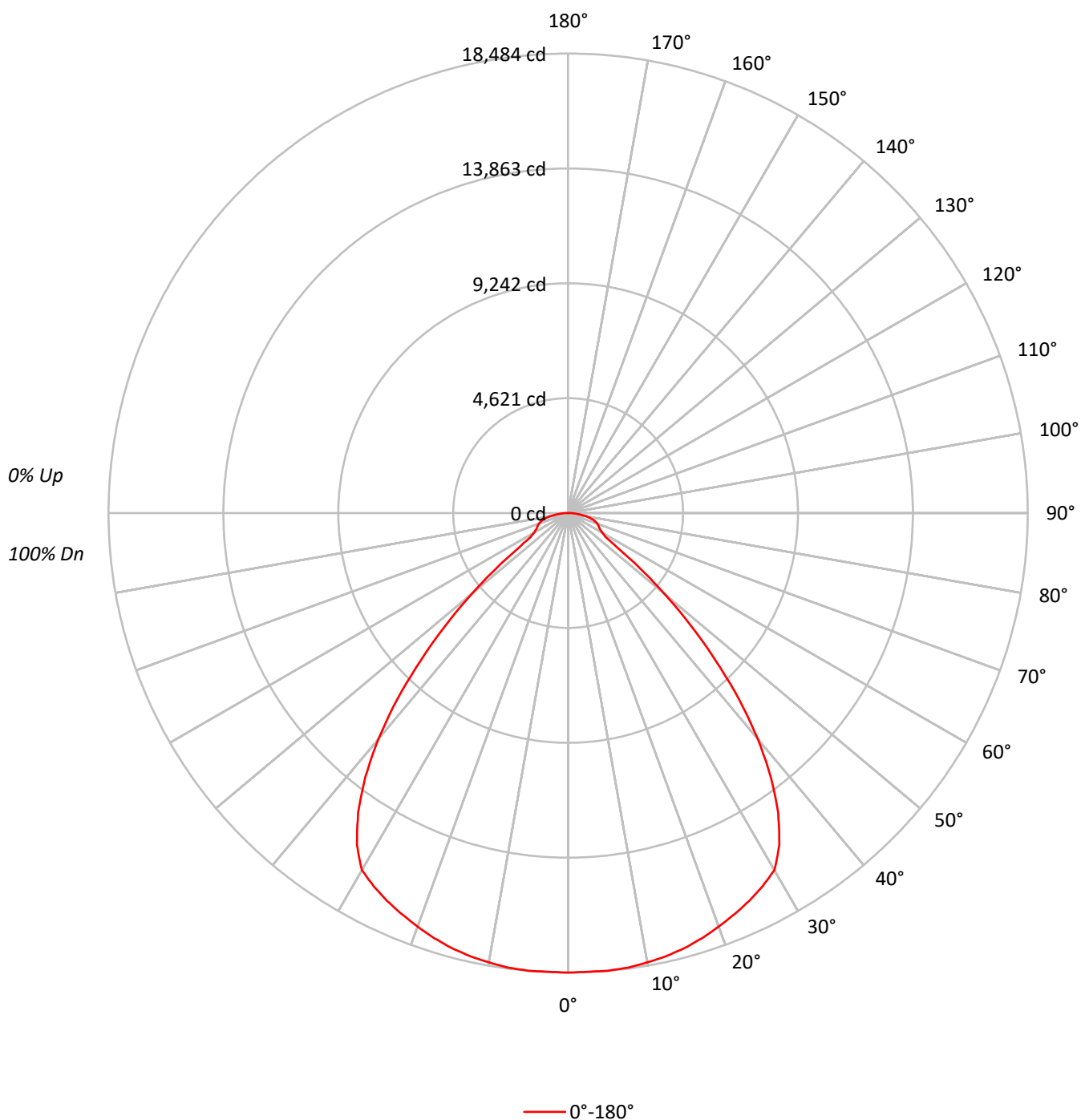
Lumens per Lamp: N/A
Luminaire Lumens: 35636.6 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62			
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55			
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50			
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45			
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41			
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38			
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117764
5°	118175
10°	118726
15°	119474
20°	120010
25°	121034
30°	122023
35°	114483
40°	98734
45°	75596
50°	50155
55°	26241
60°	20244
65°	20792
70°	23255
75°	25574
80°	26479
85°	25315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75596 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1759.8	4.9
10°-20°	5115.4	14.4
20°-30°	7941.1	22.3
30°-40°	9074.0	25.5
40°-50°	6456.0	18.1
50°-60°	2450.0	6.9
60°-70°	1380.7	3.9
70°-80°	1075.8	3.0
80°-90°	383.8	1.1
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°	14816.3	41.6
0°-40°	23890.3	67.0
0°-60°	32796.3	92.0
0°-90°	35636.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35636.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18484	
5°	18478	###
15°	18113	5115
25°	17217	7941
35°	14719	9074
45°	8390	6456
55°	2362	2450
65°	1379	1381
75°	1039	1076
85°	346	384
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18483.9
2.5°	18467.0
5°	18477.9
7.5°	18441.5
10°	18351.9
12.5°	18251.4
15°	18113.4
17.5°	17925.7
20°	17700.5
22.5°	17468.0
25°	17217.3
27.5°	16925.5
30°	16586.5
32.5°	15807.9
35°	14719.3
37.5°	13392.2
40°	11871.4
42.5°	10181.0
45°	8390.1
47.5°	6684.0
50°	5060.2
52.5°	3595.1
55°	2362.4
57.5°	1777.6
60°	1588.7
62.5°	1457.9
65°	1379.2
67.5°	1316.2
70°	1248.4
72.5°	1156.4
75°	1038.9
77.5°	894.8
80°	721.7
82.5°	535.2
85°	346.3
87.5°	168.3
90°	0.0

(END OF REPORT)