

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: P1505264

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505264
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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-A-06-WHGL-PS (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

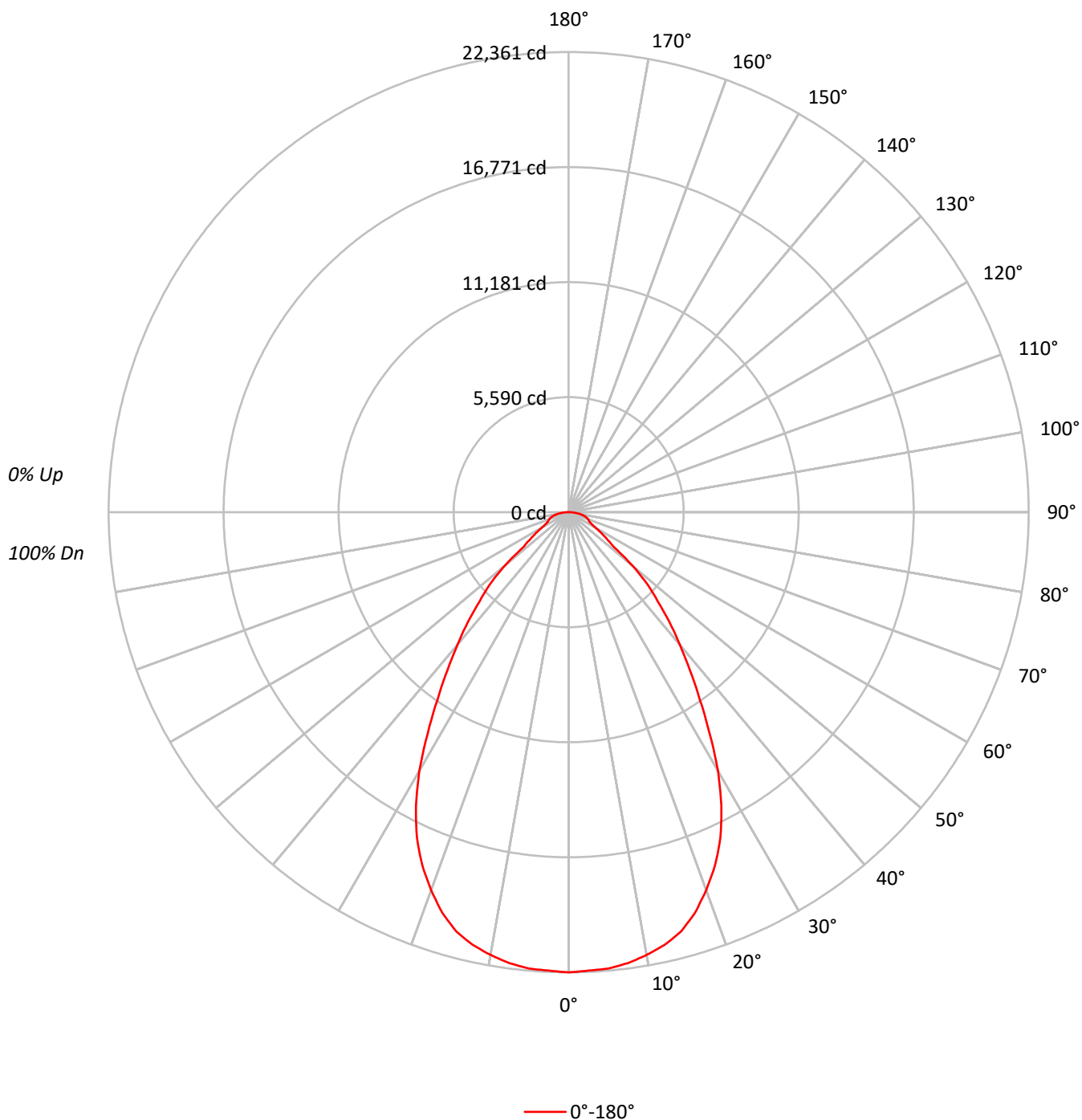
Lumens per Lamp: N/A
Luminaire Lumens: 32199.8 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	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°	149167
5°	149029
10°	148004
15°	145711
20°	138720
25°	128446
30°	111803
35°	90557
40°	73097
45°	57783
50°	42224
55°	26336
60°	20085
65°	17816
70°	19567
75°	21393
80°	22596
85°	23574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57783 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2111.2	6.6
10°-20°	5902.3	18.3
20°-30°	7932.6	24.6
30°-40°	6991.2	21.7
40°-50°	4759.1	14.8
50°-60°	2146.5	6.7
60°-70°	1163.0	3.6
70°-80°	864.0	2.7
80°-90°	329.9	1.0
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°	15946.1	49.5
0°-40°	22937.3	71.2
0°-60°	29842.9	92.7
0°-90°	32199.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32199.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22361	
5°	22255	###
15°	21098	5902
25°	17451	7933
35°	11120	6991
45°	6125	4759
55°	2264	2146
65°	1129	1163
75°	830	864
85°	308	330
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22360.8
2.5°	22298.0
5°	22255.0
7.5°	22100.4
10°	21849.3
12.5°	21538.9
15°	21098.4
17.5°	20419.5
20°	19540.7
22.5°	18587.5
25°	17450.6
27.5°	16074.3
30°	14514.3
32.5°	12749.7
35°	11119.9
37.5°	9670.4
40°	8394.0
42.5°	7250.2
45°	6124.9
47.5°	5205.4
50°	4068.6
52.5°	2736.4
55°	2264.4
57.5°	1868.0
60°	1505.4
62.5°	1257.8
65°	1128.7
67.5°	1057.8
70°	1003.2
72.5°	928.8
75°	830.0
77.5°	718.4
80°	588.2
82.5°	452.2
85°	308.0
87.5°	158.1
90°	0.0

(END OF REPORT)