

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: P1505620

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505620
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

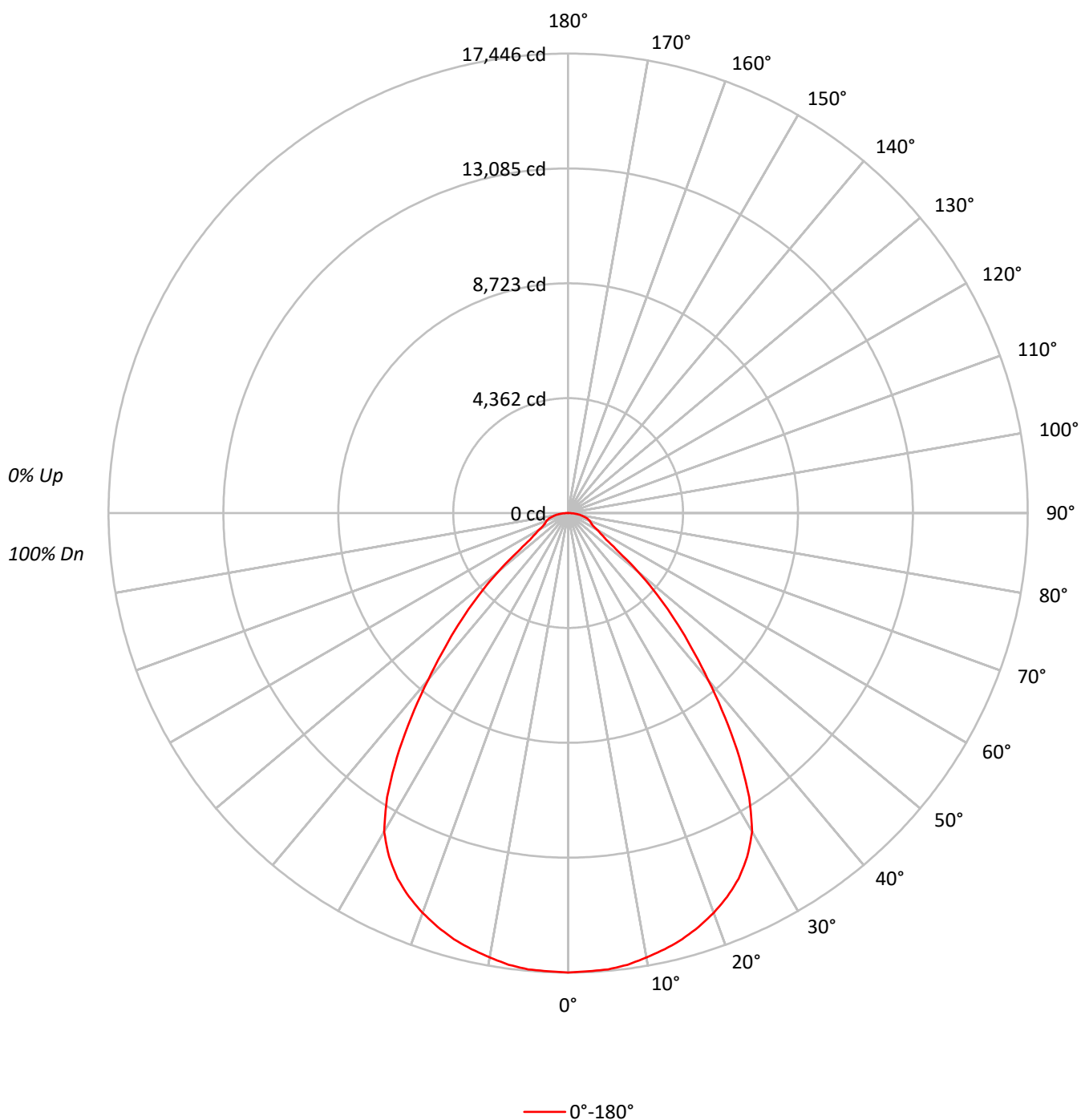
Lumens per Lamp: N/A
Luminaire Lumens: 28609.9 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 196.1
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	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111151
5°	111237
10°	110821
15°	110475
20°	109518
25°	107654
30°	102752
35°	88153
40°	68665
45°	51457
50°	34503
55°	19505
60°	16183
65°	14834
70°	16281
75°	17601
80°	18455
85°	18568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51457 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1651.7	5.8
10°-20°	4721.5	16.5
20°-30°	7013.5	24.5
30°-40°	6998.2	24.5
40°-50°	4415.2	15.4
50°-60°	1782.3	6.2
60°-70°	1007.2	3.5
70°-80°	744.8	2.6
80°-90°	275.5	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°	13386.8	46.8
0°-40°	20385.0	71.3
0°-60°	26582.5	92.9
0°-90°	28609.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28609.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17446	
5°	17393	###
15°	16749	4722
25°	15314	7014
35°	11334	6998
45°	5711	4415
55°	1756	1782
65°	984	1007
75°	715	745
85°	254	276
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17446
2.5°	17412
5°	17393
7.5°	17297
10°	17130
12.5°	16959
15°	16749
17.5°	16474
20°	16153
22.5°	15772
25°	15314
27.5°	14716
30°	13967
32.5°	12786
35°	11334
37.5°	9783
40°	8256
42.5°	6902
45°	5711
47.5°	4581
50°	3481
52.5°	2405
55°	1756
57.5°	1489
60°	1270
62.5°	1086
65°	984
67.5°	926
70°	874
72.5°	804
75°	715
77.5°	614
80°	503
82.5°	382
85°	254
87.5°	125
90°	0

(END OF REPORT)