

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: P1505107

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505107
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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-04-WHGL-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

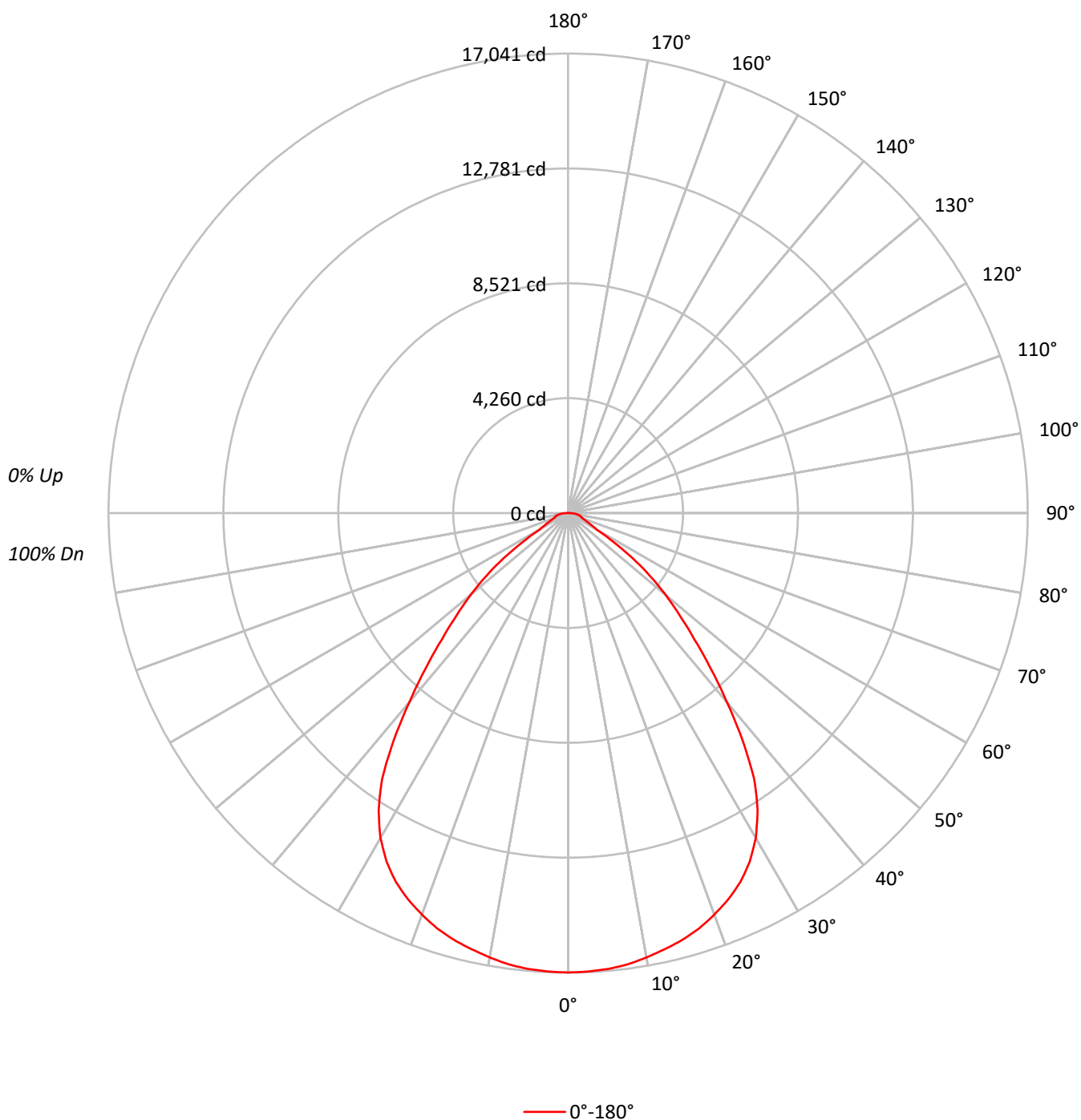
Lumens per Lamp: N/A
Luminaire Lumens: 29841.3 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	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°	125040
5°	125038
10°	124676
15°	124472
20°	123752
25°	122277
30°	117876
35°	107691
40°	87874
45°	68635
50°	53788
55°	37220
60°	17833
65°	13964
70°	11986
75°	13583
80°	16239
85°	19052

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1612.7	5.4
10°-20°	4621.6	15.5
20°-30°	6925.6	23.2
30°-40°	7363.0	24.7
40°-50°	5176.1	17.3
50°-60°	2584.8	8.7
60°-70°	821.6	2.8
70°-80°	503.4	1.7
80°-90°	232.7	0.8
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°	13159.8	44.1
0°-40°	20522.8	68.8
0°-60°	28283.7	94.8
0°-90°	29841.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29841.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17041	
5°	16976	###
15°	16386	4622
25°	15103	6926
35°	12022	7363
45°	6614	5176
55°	2910	2585
65°	804	822
75°	479	503
85°	226	233
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17041.0
2.5°	17014.5
5°	16975.8
7.5°	16882.0
10°	16733.2
12.5°	16566.0
15°	16385.5
17.5°	16149.0
20°	15848.3
22.5°	15509.8
25°	15103.1
27.5°	14579.1
30°	13912.4
32.5°	13075.4
35°	12022.3
37.5°	10616.5
40°	9174.0
42.5°	7827.3
45°	6614.2
47.5°	5593.7
50°	4711.9
52.5°	3822.9
55°	2909.5
57.5°	1965.5
60°	1215.2
62.5°	980.7
65°	804.3
67.5°	655.5
70°	558.7
72.5°	513.8
75°	479.1
77.5°	441.4
80°	384.3
82.5°	312.0
85°	226.3
87.5°	124.4
90°	0.0

(END OF REPORT)