

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: P1505072

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505072
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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 (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

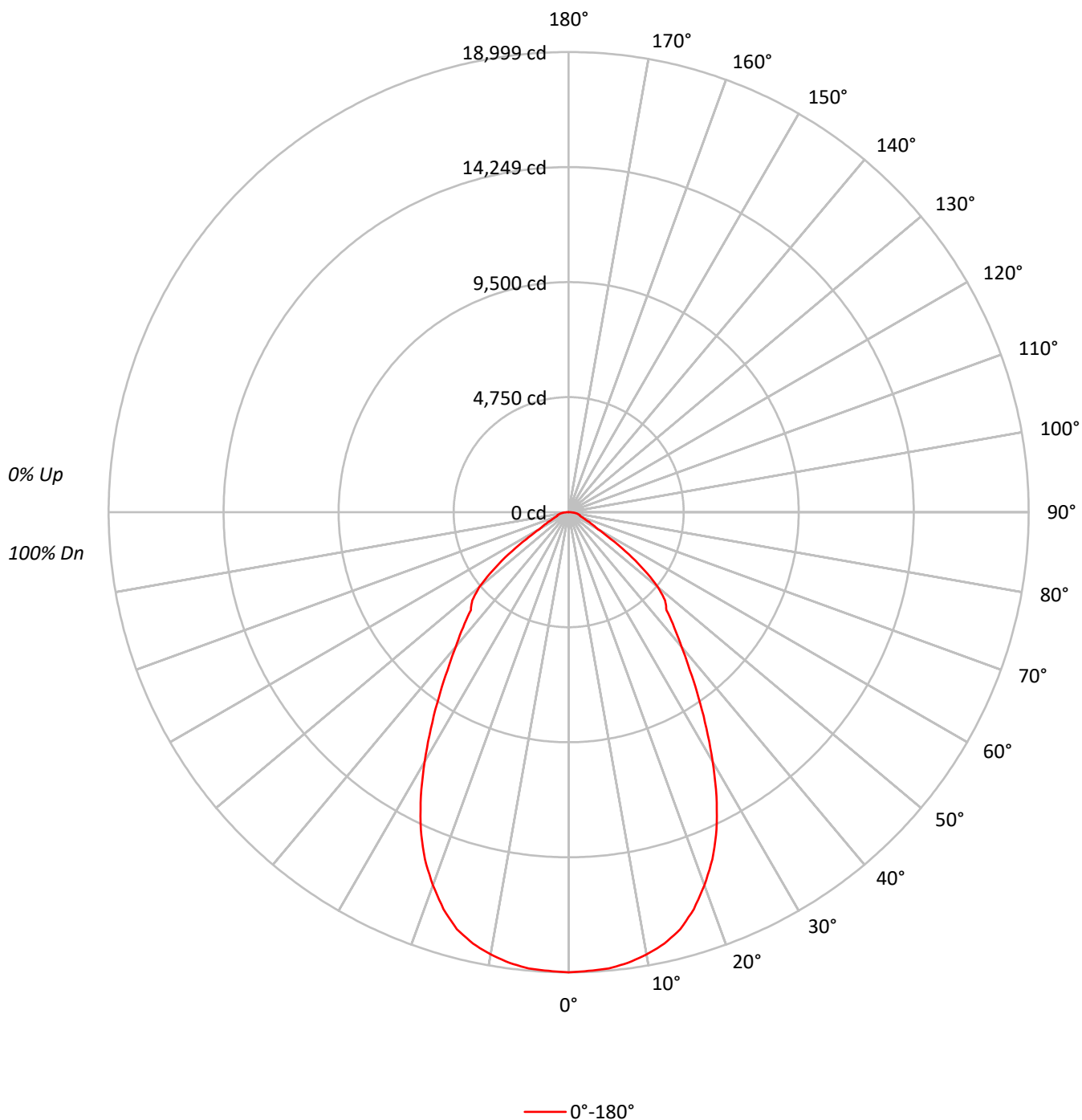
Lumens per Lamp: N/A
Luminaire Lumens: 28058.3 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
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	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139408
5°	139298
10°	138156
15°	135426
20°	127965
25°	117003
30°	100690
35°	83763
40°	69513
45°	59275
50°	55005
55°	38830
60°	20472
65°	15222
70°	11971
75°	13089
80°	15440
85°	17057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59275 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1793.1	6.4
10°-20°	4981.1	17.8
20°-30°	6572.2	23.4
30°-40°	5868.0	20.9
40°-50°	4545.9	16.2
50°-60°	2698.2	9.6
60°-70°	899.5	3.2
70°-80°	487.8	1.7
80°-90°	212.4	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°	13346.5	47.6
0°-40°	19214.5	68.5
0°-60°	26458.6	94.3
0°-90°	28058.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28058.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18999	
5°	18912	###
15°	17828	4981
25°	14452	6572
35°	9351	5868
45°	5712	4546
55°	3035	2698
65°	877	899
75°	462	488
85°	203	212
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18999.1
2.5°	18958.4
5°	18911.8
7.5°	18765.8
10°	18542.4
12.5°	18248.5
15°	17827.5
17.5°	17184.1
20°	16387.8
22.5°	15513.1
25°	14451.7
27.5°	13225.4
30°	11884.0
32.5°	10588.3
35°	9351.1
37.5°	8218.2
40°	7257.1
42.5°	6448.9
45°	5712.2
47.5°	5406.3
50°	4818.5
52.5°	3949.8
55°	3035.3
57.5°	2074.2
60°	1395.0
62.5°	1112.0
65°	876.7
67.5°	681.1
70°	558.0
72.5°	500.4
75°	461.7
77.5°	423.0
80°	365.4
82.5°	290.9
85°	202.6
87.5°	104.3
90°	0.0

(END OF REPORT)