

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: P1505468

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505468
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
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-04-WHGL-PS (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

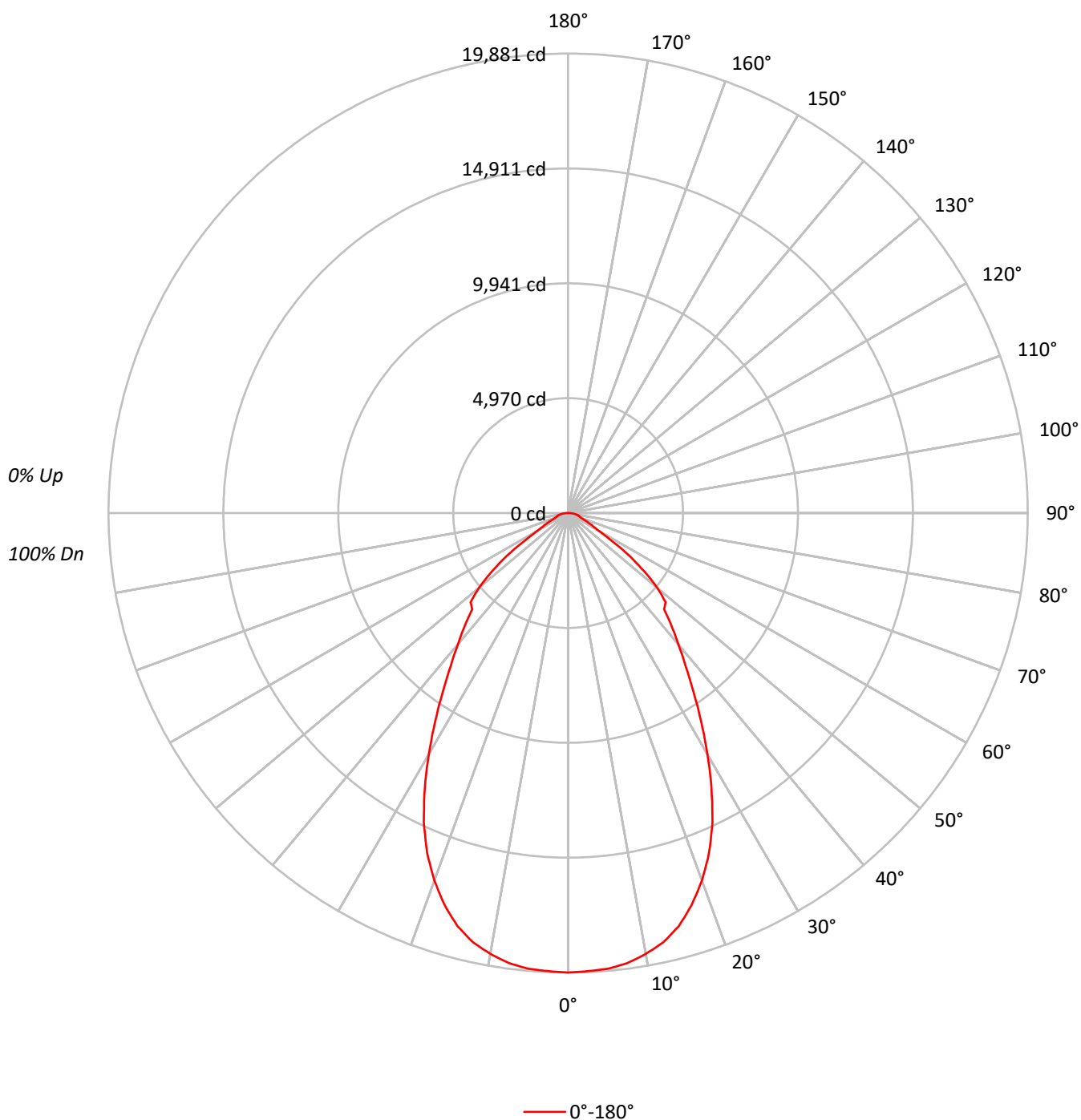
Lumens per Lamp: N/A
Luminaire Lumens: 28930.1 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	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	77	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	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	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	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	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142387
5°	142271
10°	140854
15°	137152
20°	128900
25°	116658
30°	99583
35°	82597
40°	69386
45°	59422
50°	56169
55°	40466
60°	21115
65°	15825
70°	12210
75°	13116
80°	14844
85°	15498

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 60660 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1875.6	6.5
10°-20°	5168.5	17.9
20°-30°	6712.9	23.2
30°-40°	5947.0	20.6
40°-50°	4708.1	16.3
50°-60°	2862.7	9.9
60°-70°	954.0	3.3
70°-80°	499.5	1.7
80°-90°	201.8	0.7
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°	13757.0	47.6
0°-40°	19704.0	68.1
0°-60°	27274.8	94.3
0°-90°	28930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28930.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19881	
5°	19790	###
15°	18498	5169
25°	14763	6713
35°	9447	5947
45°	5867	4708
55°	3241	2863
65°	934	954
75°	474	499
85°	189	202
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19881.2
2.5°	19838.4
5°	19789.5
7.5°	19636.5
10°	19368.4
12.5°	19022.8
15°	18497.8
17.5°	17775.0
20°	16912.6
22.5°	15923.7
25°	14762.6
27.5°	13424.0
30°	12041.7
32.5°	10706.2
35°	9447.2
37.5°	8345.2
40°	7421.6
42.5°	6614.2
45°	5866.9
47.5°	5722.1
50°	5041.2
52.5°	4159.3
55°	3240.8
57.5°	2245.8
60°	1474.1
62.5°	1185.6
65°	933.8
67.5°	719.7
70°	583.1
72.5°	518.9
75°	474.0
77.5°	427.1
80°	359.9
82.5°	279.3
85°	188.6
87.5°	93.8
90°	0.0

(END OF REPORT)