

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: P1505465

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505465
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_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

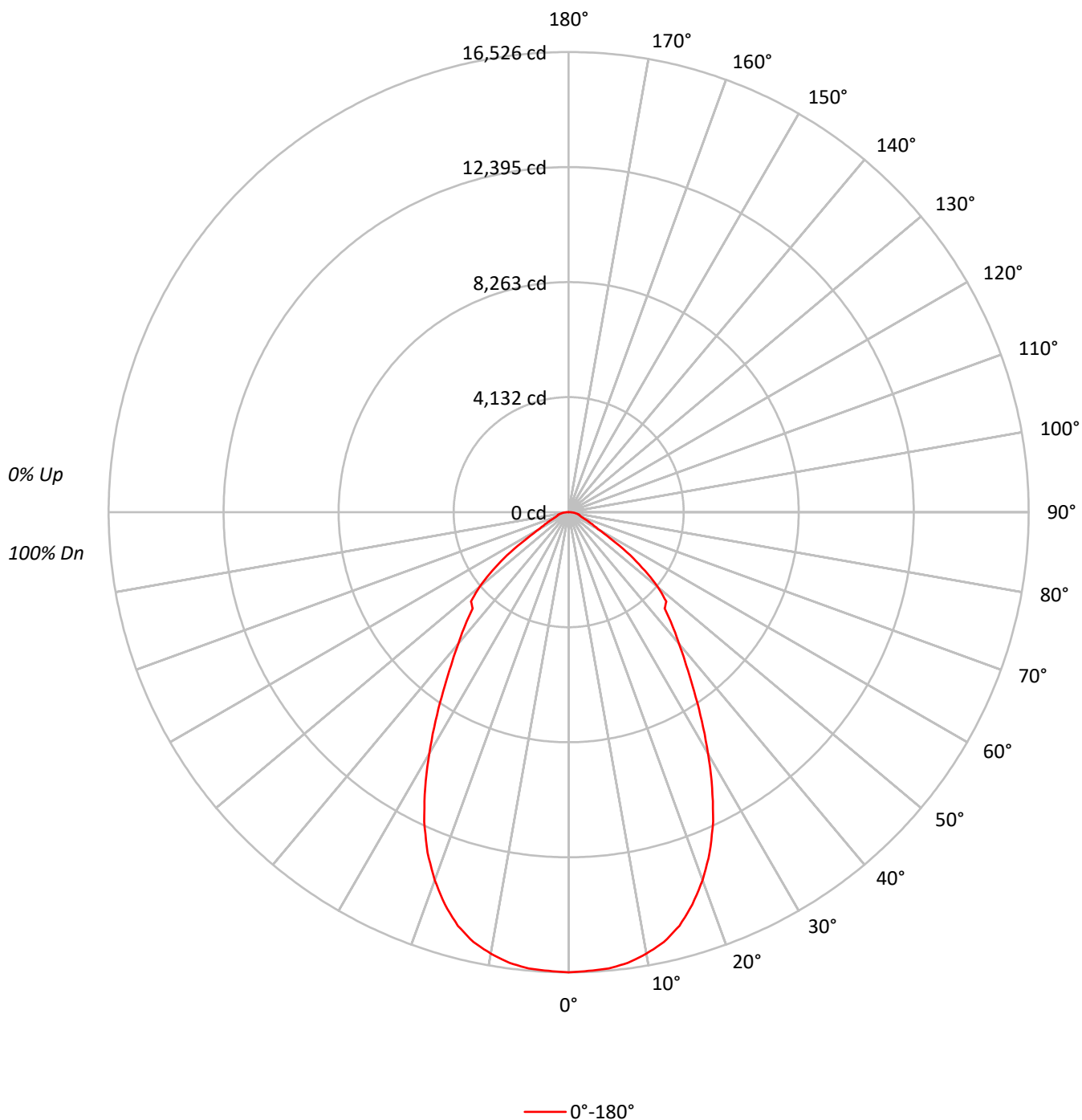
Lumens per Lamp: N/A
Luminaire Lumens: 24048.0 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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°	118359
5°	118262
10°	117084
15°	114008
20°	107147
25°	96971
30°	82778
35°	68659
40°	57676
45°	49394
50°	46689
55°	33637
60°	17552
65°	13154
70°	10150
75°	10903
80°	12336
85°	12885

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 50423 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1559.1	6.5
10°-20°	4296.3	17.9
20°-30°	5580.1	23.2
30°-40°	4943.4	20.6
40°-50°	3913.6	16.3
50°-60°	2379.6	9.9
60°-70°	793.0	3.3
70°-80°	415.2	1.7
80°-90°	167.8	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°	11435.5	47.6
0°-40°	16378.9	68.1
0°-60°	22672.0	94.3
0°-90°	24048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24048.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16526	
5°	16450	###
15°	15376	4296
25°	12271	5580
35°	7853	4943
45°	4877	3914
55°	2694	2380
65°	776	793
75°	394	415
85°	157	168
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16526.2
2.5°	16490.6
5°	16449.9
7.5°	16322.8
10°	16099.9
12.5°	15812.7
15°	15376.3
17.5°	14775.4
20°	14058.5
22.5°	13236.5
25°	12271.3
27.5°	11158.7
30°	10009.6
32.5°	8899.5
35°	7853.0
37.5°	6936.9
40°	6169.1
42.5°	5498.0
45°	4876.8
47.5°	4756.5
50°	4190.4
52.5°	3457.4
55°	2693.9
57.5°	1866.8
60°	1225.4
62.5°	985.5
65°	776.2
67.5°	598.3
70°	484.7
72.5°	431.3
75°	394.0
77.5°	355.1
80°	299.1
82.5°	232.2
85°	156.8
87.5°	78.0
90°	0.0

(END OF REPORT)