

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: P1505435

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505435
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 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

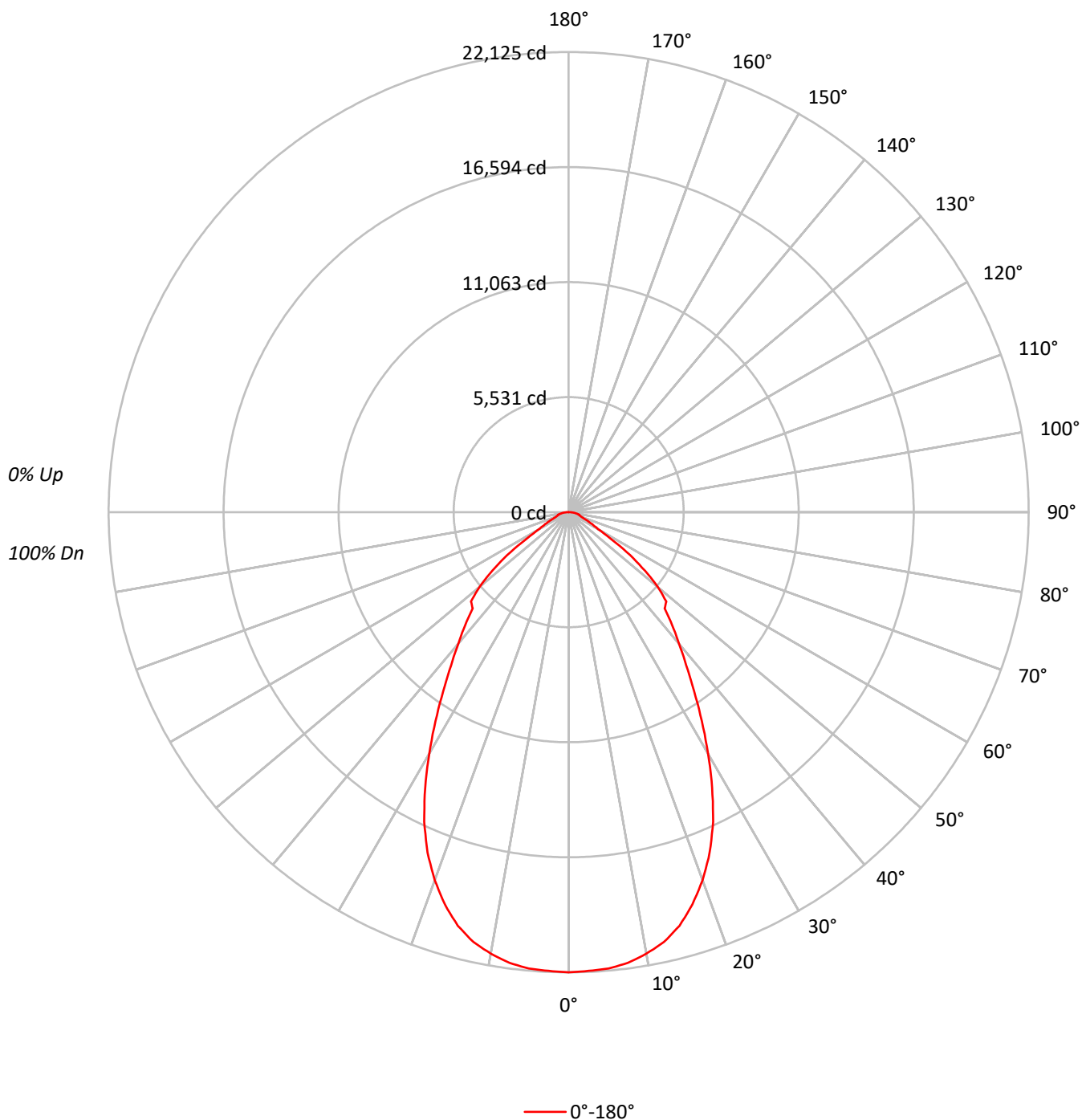
Lumens per Lamp: N/A
Luminaire Lumens: 32195.5 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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°	158458
5°	158329
10°	156752
15°	152633
20°	143448
25°	129825
30°	110822
35°	91920
40°	77217
45°	66129
50°	62507
55°	45033
60°	23498
65°	17611
70°	13588
75°	14597
80°	16518
85°	17248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 67507 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2087.3	6.5
10°-20°	5751.9	17.9
20°-30°	7470.6	23.2
30°-40°	6618.2	20.6
40°-50°	5239.5	16.3
50°-60°	3185.8	9.9
60°-70°	1061.7	3.3
70°-80°	555.9	1.7
80°-90°	224.6	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°	15309.8	47.6
0°-40°	21928.0	68.1
0°-60°	30353.3	94.3
0°-90°	32195.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32195.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22125	
5°	22023	###
15°	20586	5752
25°	16429	7471
35°	10514	6618
45°	6529	5240
55°	3607	3186
65°	1039	1062
75°	528	556
85°	210	225
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22125.2
2.5°	22077.5
5°	22023.1
7.5°	21852.9
10°	21554.5
12.5°	21169.9
15°	20585.7
17.5°	19781.3
20°	18821.5
22.5°	17721.0
25°	16428.8
27.5°	14939.2
30°	13400.8
32.5°	11914.6
35°	10513.5
37.5°	9287.1
40°	8259.2
42.5°	7360.7
45°	6529.1
47.5°	6368.0
50°	5610.1
52.5°	4628.8
55°	3606.6
57.5°	2499.3
60°	1640.5
62.5°	1319.4
65°	1039.2
67.5°	801.0
70°	648.9
72.5°	577.5
75°	527.5
77.5°	475.4
80°	400.5
82.5°	310.9
85°	209.9
87.5°	104.4
90°	0.0

(END OF REPORT)