

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: P1505437

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505437
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-98)
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

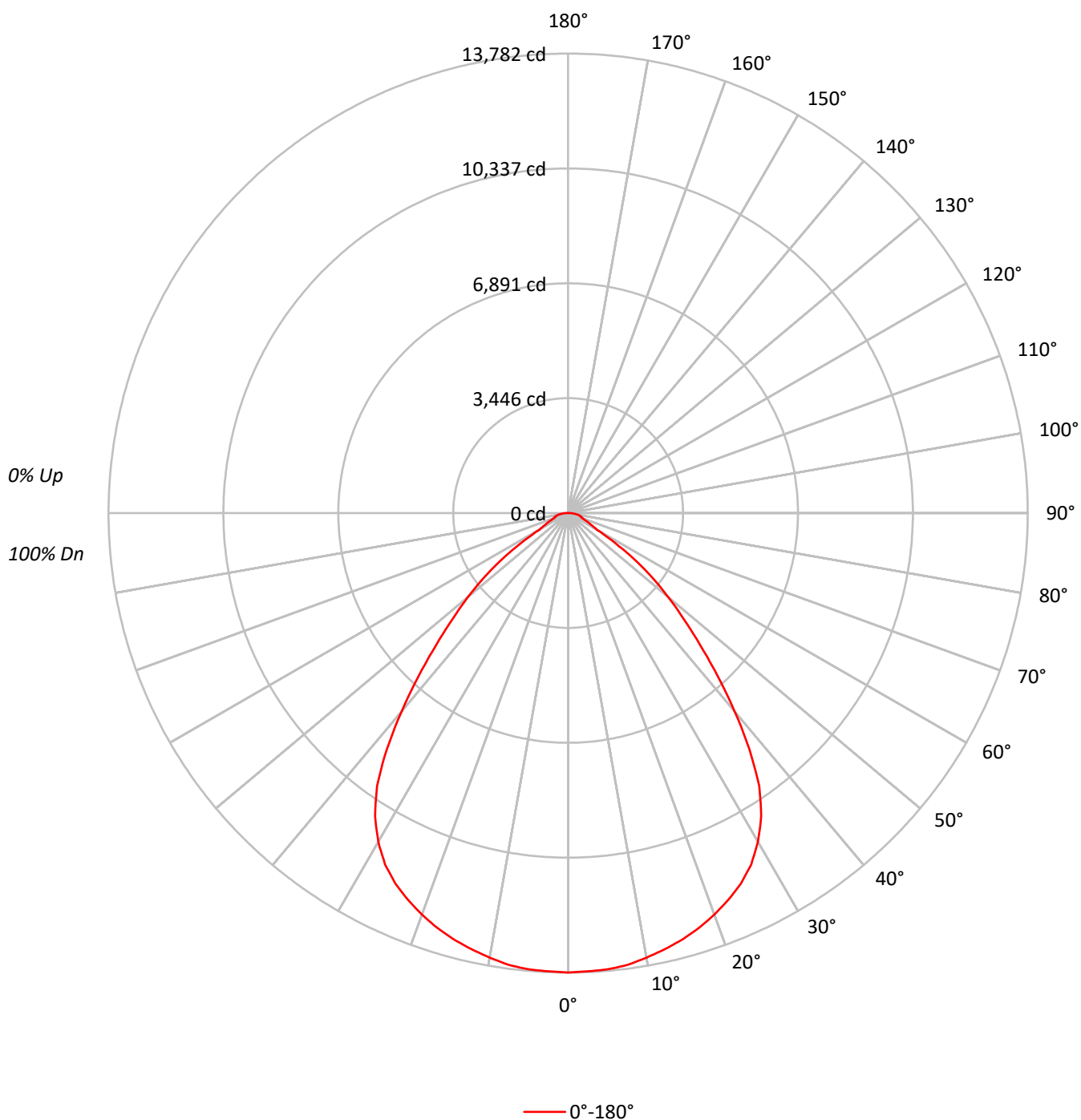
Lumens per Lamp: N/A
Luminaire Lumens: 24568.6 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	92	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	77	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	59	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98706
5°	98756
10°	98460
15°	98168
20°	97681
25°	96876
30°	94164
35°	87312
40°	72621
45°	56578
50°	43653
55°	30236
60°	14249
65°	11173
70°	9582
75°	10778
80°	12468
85°	13986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56578 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1305.1	5.3
10°-20°	3735.7	15.2
20°-30°	5627.9	22.9
30°-40°	6122.5	24.9
40°-50°	4363.6	17.8
50°-60°	2155.1	8.8
60°-70°	673.8	2.7
70°-80°	407.6	1.7
80°-90°	177.2	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°	10668.7	43.4
0°-40°	16791.2	68.3
0°-60°	23309.9	94.9
0°-90°	24568.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24568.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13782	
5°	13737	###
15°	13240	3736
25°	12259	5628
35°	9986	6123
45°	5586	4364
55°	2422	2155
65°	659	674
75°	390	408
85°	170	177
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13782.2
2.5°	13754.8
5°	13736.6
7.5°	13669.3
10°	13538.9
12.5°	13399.4
15°	13240.0
17.5°	13044.0
20°	12816.5
22.5°	12554.9
25°	12259.3
27.5°	11883.1
30°	11386.5
32.5°	10773.7
35°	9986.5
37.5°	8931.0
40°	7767.6
42.5°	6632.5
45°	5586.1
47.5°	4687.6
50°	3917.9
52.5°	3178.0
55°	2421.5
57.5°	1665.8
60°	994.8
62.5°	804.7
65°	659.3
67.5°	538.9
70°	457.6
72.5°	420.2
75°	389.5
77.5°	353.8
80°	302.3
82.5°	240.8
85°	170.2
87.5°	88.9
90°	0.0

(END OF REPORT)