

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: P1505617

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505617
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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-06-WHGL-PS (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

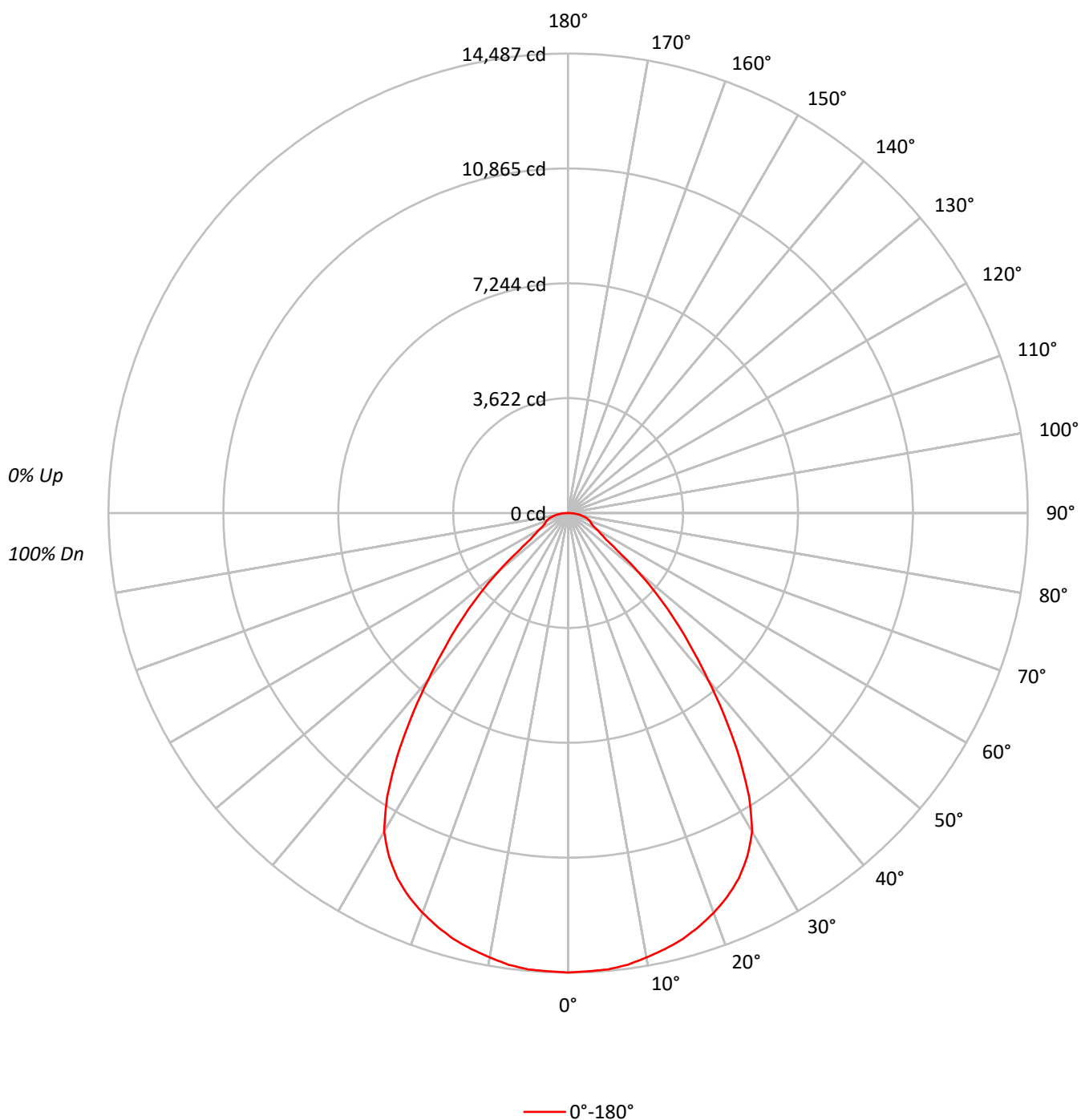
Lumens per Lamp: N/A
Luminaire Lumens: 23757.9 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	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	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92301
5°	92371
10°	92027
15°	91739
20°	90944
25°	89396
30°	85326
35°	73202
40°	57019
45°	42730
50°	28651
55°	16197
60°	13438
65°	12318
70°	13520
75°	14615
80°	15325
85°	15417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1371.6	5.8
10°-20°	3920.8	16.5
20°-30°	5824.1	24.5
30°-40°	5811.4	24.5
40°-50°	3666.4	15.4
50°-60°	1480.0	6.2
60°-70°	836.4	3.5
70°-80°	618.5	2.6
80°-90°	228.8	1.0
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°	11116.5	46.8
0°-40°	16927.8	71.3
0°-60°	22074.3	92.9
0°-90°	23757.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23757.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14487	
5°	14443	###
15°	13908	3921
25°	12717	5824
35°	9412	5811
45°	4742	3666
55°	1458	1480
65°	817	836
75°	594	618
85°	211	229
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14487.3
2.5°	14459.0
5°	14443.2
7.5°	14363.5
10°	14224.9
12.5°	14082.9
15°	13908.5
17.5°	13680.1
20°	13413.5
22.5°	13097.2
25°	12716.8
27.5°	12220.3
30°	11598.3
32.5°	10617.6
35°	9411.8
37.5°	8123.9
40°	6855.8
42.5°	5731.5
45°	4742.4
47.5°	3804.1
50°	2890.6
52.5°	1997.1
55°	1458.2
57.5°	1236.5
60°	1054.6
62.5°	901.8
65°	817.1
67.5°	769.0
70°	725.8
72.5°	667.6
75°	593.7
77.5°	509.9
80°	417.7
82.5°	317.2
85°	210.9
87.5°	103.8
90°	0.0

(END OF REPORT)