

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: P1505446

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505446
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 (4000K_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

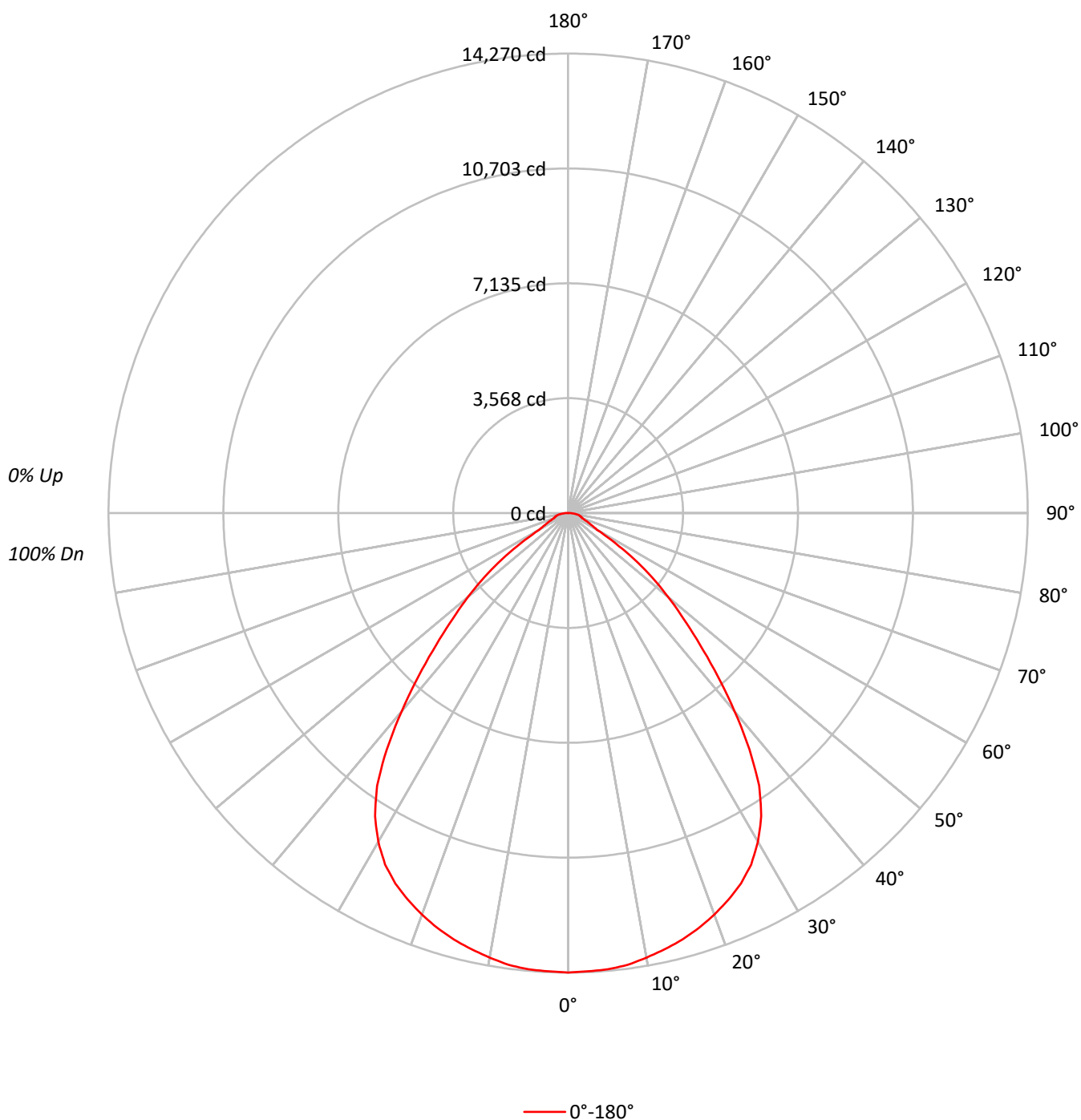
Lumens per Lamp: N/A
Luminaire Lumens: 25438.7 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	102203
5°	102253
10°	101947
15°	101645
20°	101141
25°	100307
30°	97500
35°	90404
40°	75193
45°	58583
50°	45198
55°	31306
60°	14755
65°	11569
70°	9921
75°	11160
80°	12909
85°	14487

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.3	5.3
10°-20°	3868.0	15.2
20°-30°	5827.3	22.9
30°-40°	6339.3	24.9
40°-50°	4518.1	17.8
50°-60°	2231.4	8.8
60°-70°	697.7	2.7
70°-80°	422.1	1.7
80°-90°	183.5	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°	11046.6	43.4
0°-40°	17385.9	68.3
0°-60°	24135.4	94.9
0°-90°	25438.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25438.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14270	
5°	14223	###
15°	13709	3868
25°	12694	5827
35°	10340	6339
45°	5784	4518
55°	2507	2231
65°	683	698
75°	403	422
85°	176	183
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14270.4
2.5°	14242.0
5°	14223.1
7.5°	14153.4
10°	14018.4
12.5°	13874.0
15°	13708.9
17.5°	13506.0
20°	13270.4
22.5°	12999.5
25°	12693.5
27.5°	12304.0
30°	11789.8
32.5°	11155.2
35°	10340.1
37.5°	9247.3
40°	8042.7
42.5°	6867.3
45°	5784.0
47.5°	4853.7
50°	4056.6
52.5°	3290.5
55°	2507.2
57.5°	1724.8
60°	1030.1
62.5°	833.2
65°	682.7
67.5°	558.0
70°	473.8
72.5°	435.1
75°	403.3
77.5°	366.3
80°	313.0
82.5°	249.3
85°	176.3
87.5°	92.0
90°	0.0

(END OF REPORT)