

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: P1505102

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505102
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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-A-04-WHGL-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

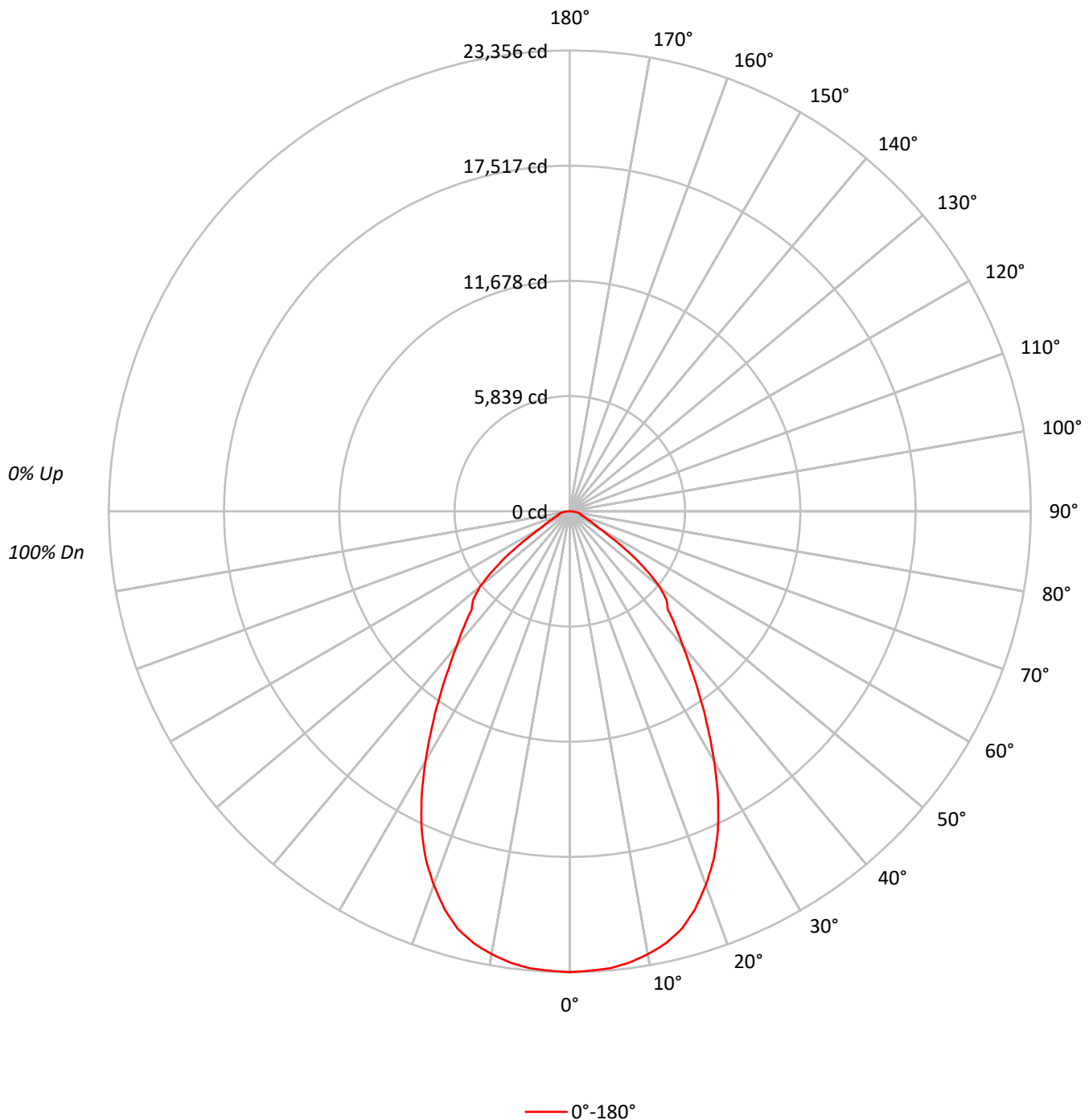
Lumens per Lamp: N/A
Luminaire Lumens: 34493.1 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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	78	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	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	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	43	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	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171380
5°	171243
10°	169840
15°	166484
20°	157311
25°	143836
30°	123783
35°	102974
40°	85454
45°	72869
50°	67620
55°	47735
60°	25168
65°	18713
70°	14717
75°	16092
80°	18981
85°	20963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72869 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2204.4	6.4
10°-20°	6123.5	17.8
20°-30°	8079.5	23.4
30°-40°	7213.7	20.9
40°-50°	5588.5	16.2
50°-60°	3317.1	9.6
60°-70°	1105.8	3.2
70°-80°	599.6	1.7
80°-90°	261.1	0.8
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°	16407.3	47.6
0°-40°	23621.1	68.5
0°-60°	32526.6	94.3
0°-90°	34493.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34493.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23356	
5°	23249	###
15°	21916	6124
25°	17766	8079
35°	11496	7214
45°	7022	5588
55°	3731	3317
65°	1078	1106
75°	568	600
85°	249	261
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23356.3
2.5°	23306.3
5°	23248.9
7.5°	23069.5
10°	22794.9
12.5°	22433.6
15°	21916.0
17.5°	21125.1
20°	20146.1
22.5°	19070.8
25°	17766.0
27.5°	16258.5
30°	14609.5
32.5°	13016.6
35°	11495.7
37.5°	10103.0
40°	8921.4
42.5°	7927.9
45°	7022.2
47.5°	6646.2
50°	5923.6
52.5°	4855.6
55°	3731.4
57.5°	2549.9
60°	1715.0
62.5°	1367.1
65°	1077.8
67.5°	837.3
70°	686.0
72.5°	615.2
75°	567.6
77.5°	520.0
80°	449.2
82.5°	357.6
85°	249.0
87.5°	128.2
90°	0.0

(END OF REPORT)