

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: P1505442

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505442
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
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_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

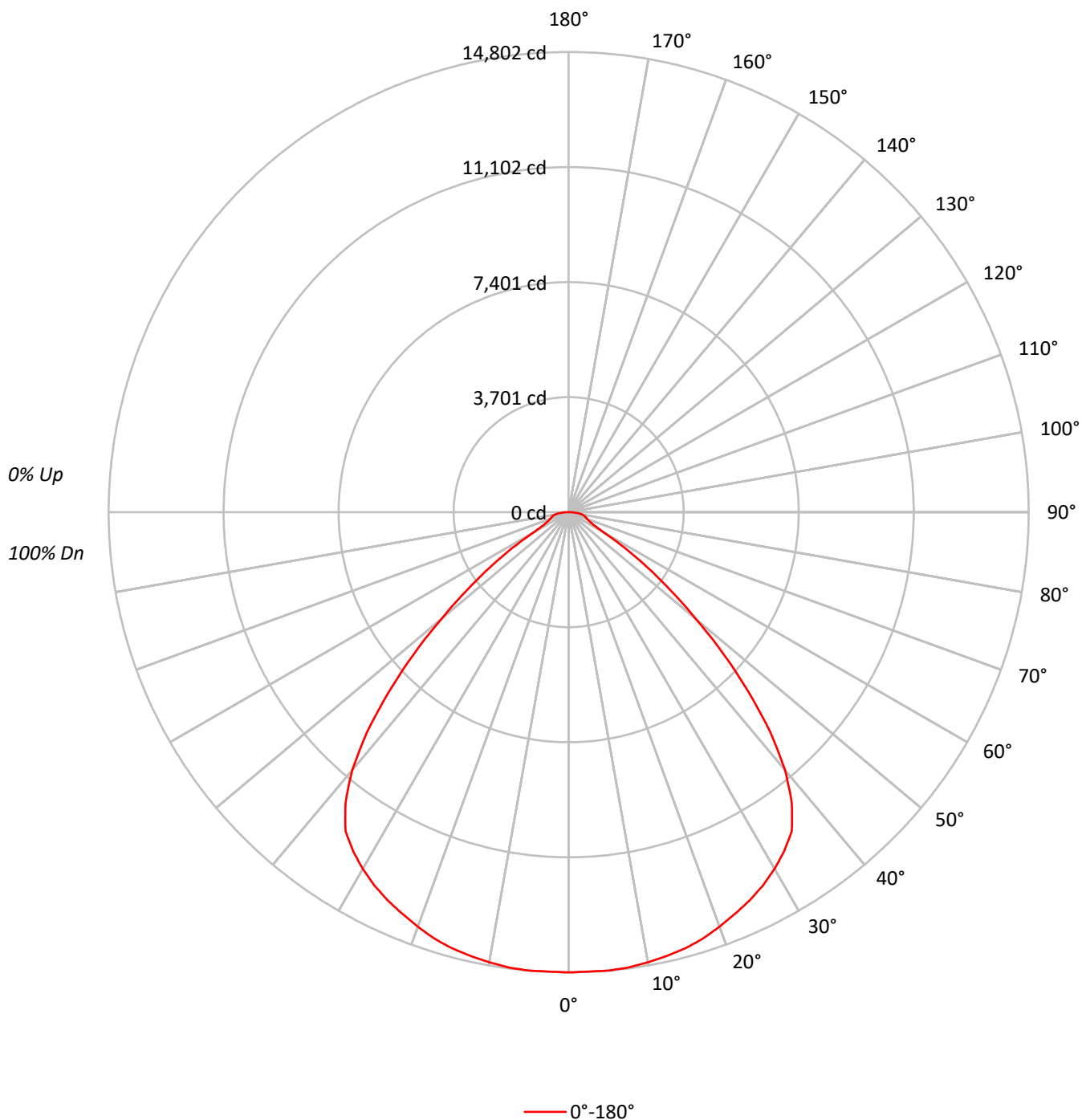
Lumens per Lamp: N/A
Luminaire Lumens: 30311.0 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 196.7
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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106010
5°	106379
10°	106911
15°	107666
20°	108126
25°	108862
30°	109517
35°	109445
40°	101242
45°	82911
50°	59587
55°	38645
60°	18535
65°	13286
70°	13067
75°	15275
80°	18312
85°	21036

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82911 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1409.4	4.6
10°-20°	4100.6	13.5
20°-30°	6352.9	21.0
30°-40°	7707.6	25.4
40°-50°	6259.6	20.7
50°-60°	2813.1	9.3
60°-70°	827.1	2.7
70°-80°	576.4	1.9
80°-90°	264.3	0.9
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°	11862.9	39.1
0°-40°	19570.6	64.6
0°-60°	28643.2	94.5
0°-90°	30311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30311.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14802	
5°	14797	###
15°	14521	4101
25°	13776	6353
35°	12518	7708
45°	8186	6260
55°	3095	2813
65°	784	827
75°	552	576
85°	256	264
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14802
2.5°	14789
5°	14797
7.5°	14771
10°	14701
12.5°	14620
15°	14521
17.5°	14380
20°	14187
22.5°	13984
25°	13776
27.5°	13534
30°	13243
32.5°	12913
35°	12518
37.5°	11793
40°	10829
42.5°	9605
45°	8186
47.5°	6755
50°	5348
52.5°	4134
55°	3095
57.5°	2146
60°	1294
62.5°	919
65°	784
67.5°	686
70°	624
72.5°	588
75°	552
77.5°	508
80°	444
82.5°	363
85°	256
87.5°	130
90°	0

(END OF REPORT)