

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: P1505460

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505460
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 (5000K_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

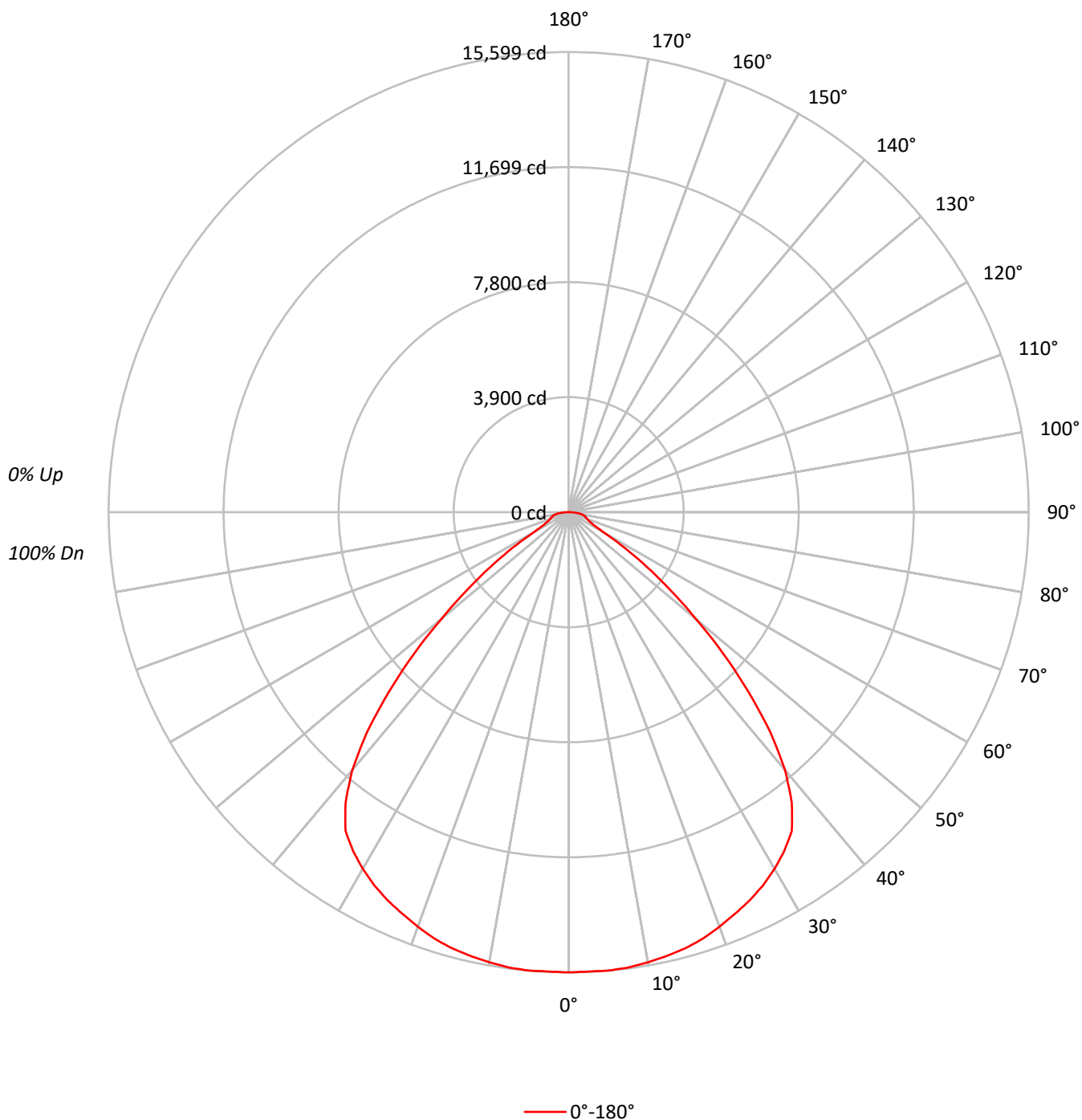
Lumens per Lamp: N/A
Luminaire Lumens: 31942.6 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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	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°	111717
5°	112105
10°	112666
15°	113462
20°	113947
25°	114722
30°	115413
35°	115337
40°	106692
45°	87375
50°	62795
55°	40725
60°	19533
65°	14001
70°	13770
75°	16096
80°	19298
85°	22170

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 87375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1485.3	4.6
10°-20°	4321.3	13.5
20°-30°	6694.9	21.0
30°-40°	8122.6	25.4
40°-50°	6596.5	20.7
50°-60°	2964.5	9.3
60°-70°	871.6	2.7
70°-80°	607.5	1.9
80°-90°	278.5	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°	12501.5	39.1
0°-40°	20624.1	64.6
0°-60°	30185.1	94.5
0°-90°	31942.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31942.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15599	
5°	15594	###
15°	15303	4321
25°	14518	6695
35°	13192	8123
45°	8627	6597
55°	3262	2964
65°	826	872
75°	582	607
85°	270	278
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15598.8
2.5°	15585.1
5°	15593.5
7.5°	15566.1
10°	15492.4
12.5°	15407.0
15°	15302.7
17.5°	15154.1
20°	14950.7
22.5°	14736.8
25°	14517.6
27.5°	14262.5
30°	13955.9
32.5°	13608.1
35°	13191.9
37.5°	12427.8
40°	11411.9
42.5°	10122.0
45°	8626.7
47.5°	7118.6
50°	5635.9
52.5°	4356.5
55°	3261.6
57.5°	2261.5
60°	1363.7
62.5°	968.5
65°	826.2
67.5°	722.9
70°	657.6
72.5°	619.7
75°	581.7
77.5°	535.3
80°	467.9
82.5°	382.5
85°	269.8
87.5°	137.0
90°	0.0

(END OF REPORT)