

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: P1505445

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505445
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_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

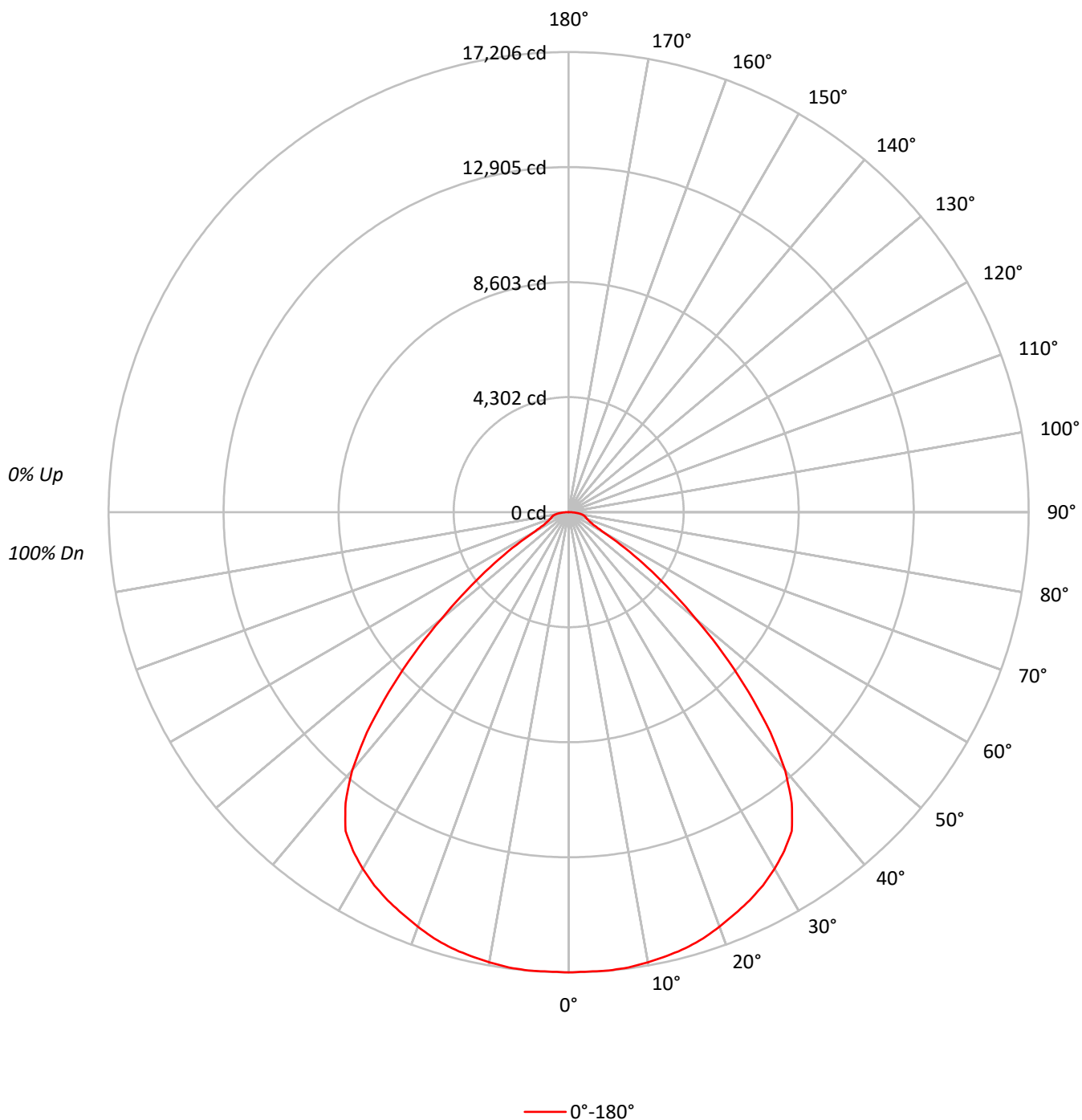
Lumens per Lamp: N/A
Luminaire Lumens: 35234.8 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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°	123231
5°	123660
10°	124278
15°	125156
20°	125691
25°	126545
30°	127308
35°	127224
40°	117688
45°	96380
50°	69267
55°	44923
60°	21546
65°	15445
70°	15190
75°	17757
80°	21286
85°	24455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1638.4	4.6
10°-20°	4766.7	13.5
20°-30°	7384.9	21.0
30°-40°	8959.7	25.4
40°-50°	7276.4	20.7
50°-60°	3270.0	9.3
60°-70°	961.4	2.7
70°-80°	670.1	1.9
80°-90°	307.2	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°	13790.0	39.1
0°-40°	22749.7	64.6
0°-60°	33296.1	94.5
0°-90°	35234.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35234.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17206	
5°	17201	###
15°	16880	4767
25°	16014	7385
35°	14552	8960
45°	9516	7276
55°	3598	3270
65°	911	961
75°	642	670
85°	298	307
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17206.5
2.5°	17191.4
5°	17200.7
7.5°	17170.5
10°	17089.1
12.5°	16994.9
15°	16879.9
17.5°	16715.9
20°	16491.6
22.5°	16255.6
25°	16013.8
27.5°	15732.5
30°	15394.3
32.5°	15010.6
35°	14551.5
37.5°	13708.7
40°	12588.1
42.5°	11165.3
45°	9515.8
47.5°	7852.3
50°	6216.8
52.5°	4805.5
55°	3597.8
57.5°	2494.6
60°	1504.2
62.5°	1068.3
65°	911.4
67.5°	797.4
70°	725.4
72.5°	683.5
75°	641.7
77.5°	590.5
80°	516.1
82.5°	422.0
85°	297.6
87.5°	151.1
90°	0.0

(END OF REPORT)