

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: P1505470

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505470
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 (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

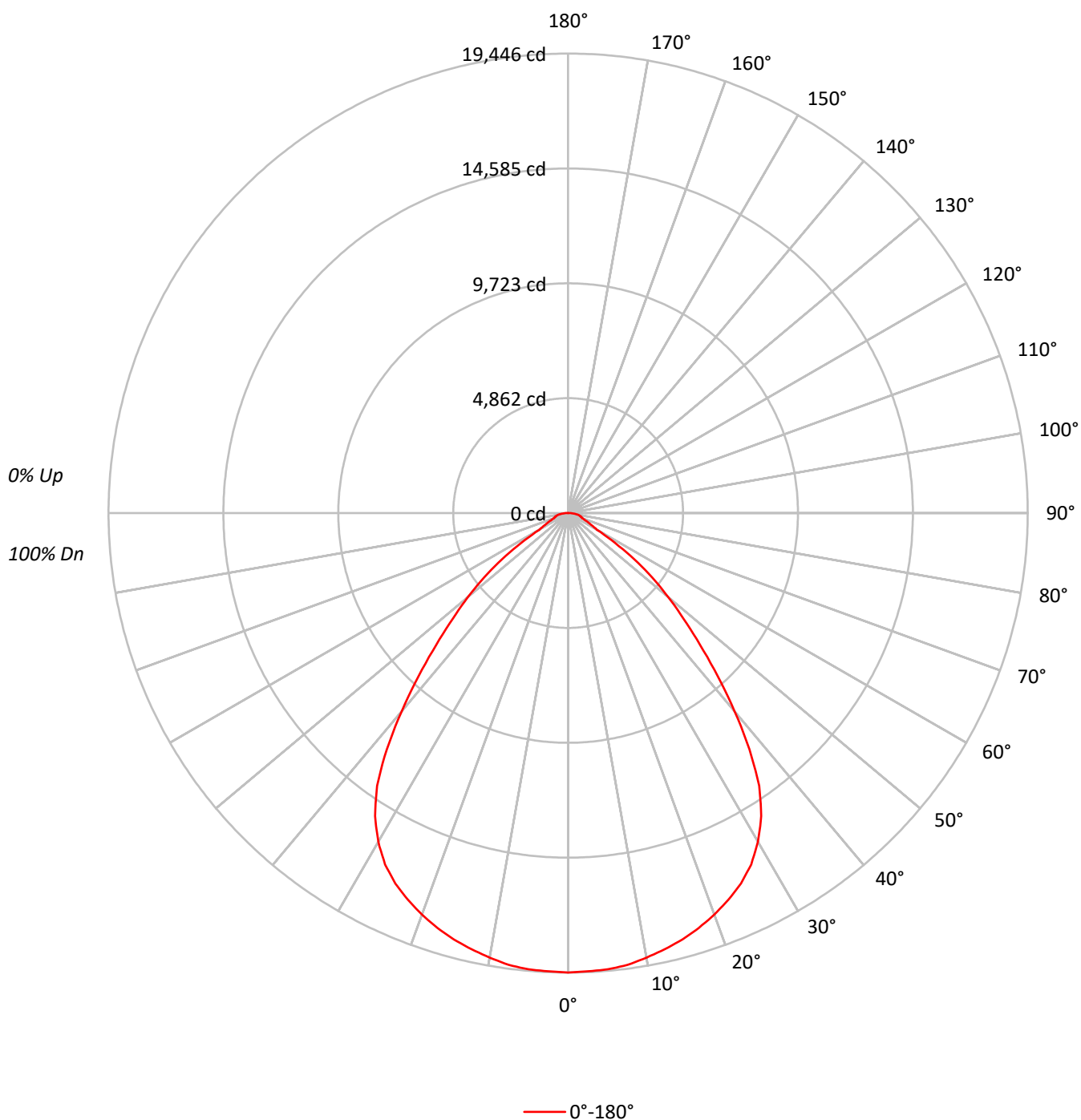
Lumens per Lamp: N/A
Luminaire Lumens: 34664.8 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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°	139270
5°	139339
10°	138922
15°	138510
20°	137823
25°	136687
30°	132861
35°	123193
40°	102464
45°	79829
50°	61591
55°	42661
60°	20105
65°	15765
70°	13519
75°	15205
80°	17590
85°	19738

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1841.4	5.3
10°-20°	5270.9	15.2
20°-30°	7940.7	22.9
30°-40°	8638.5	24.9
40°-50°	6156.7	17.8
50°-60°	3040.6	8.8
60°-70°	950.8	2.7
70°-80°	575.1	1.7
80°-90°	250.0	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°	15053.0	43.4
0°-40°	23691.6	68.3
0°-60°	32888.9	94.9
0°-90°	34664.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34664.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19446	
5°	19382	###
15°	18681	5271
25°	17297	7941
35°	14090	8639
45°	7882	6157
55°	3417	3041
65°	930	951
75°	550	575
85°	240	250
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19446.0
2.5°	19407.4
5°	19381.6
7.5°	19286.7
10°	19102.7
12.5°	18905.9
15°	18680.9
17.5°	18404.4
20°	18083.4
22.5°	17714.3
25°	17297.2
27.5°	16766.4
30°	16065.8
32.5°	15201.1
35°	14090.4
37.5°	12601.2
40°	10959.7
42.5°	9358.0
45°	7881.7
47.5°	6614.0
50°	5527.9
52.5°	4483.9
55°	3416.6
57.5°	2350.3
60°	1403.6
62.5°	1135.3
65°	930.3
67.5°	760.4
70°	645.6
72.5°	592.9
75°	549.5
77.5°	499.1
80°	426.5
82.5°	339.8
85°	240.2
87.5°	125.4
90°	0.0

(END OF REPORT)