

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: P1505463

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505463
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_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

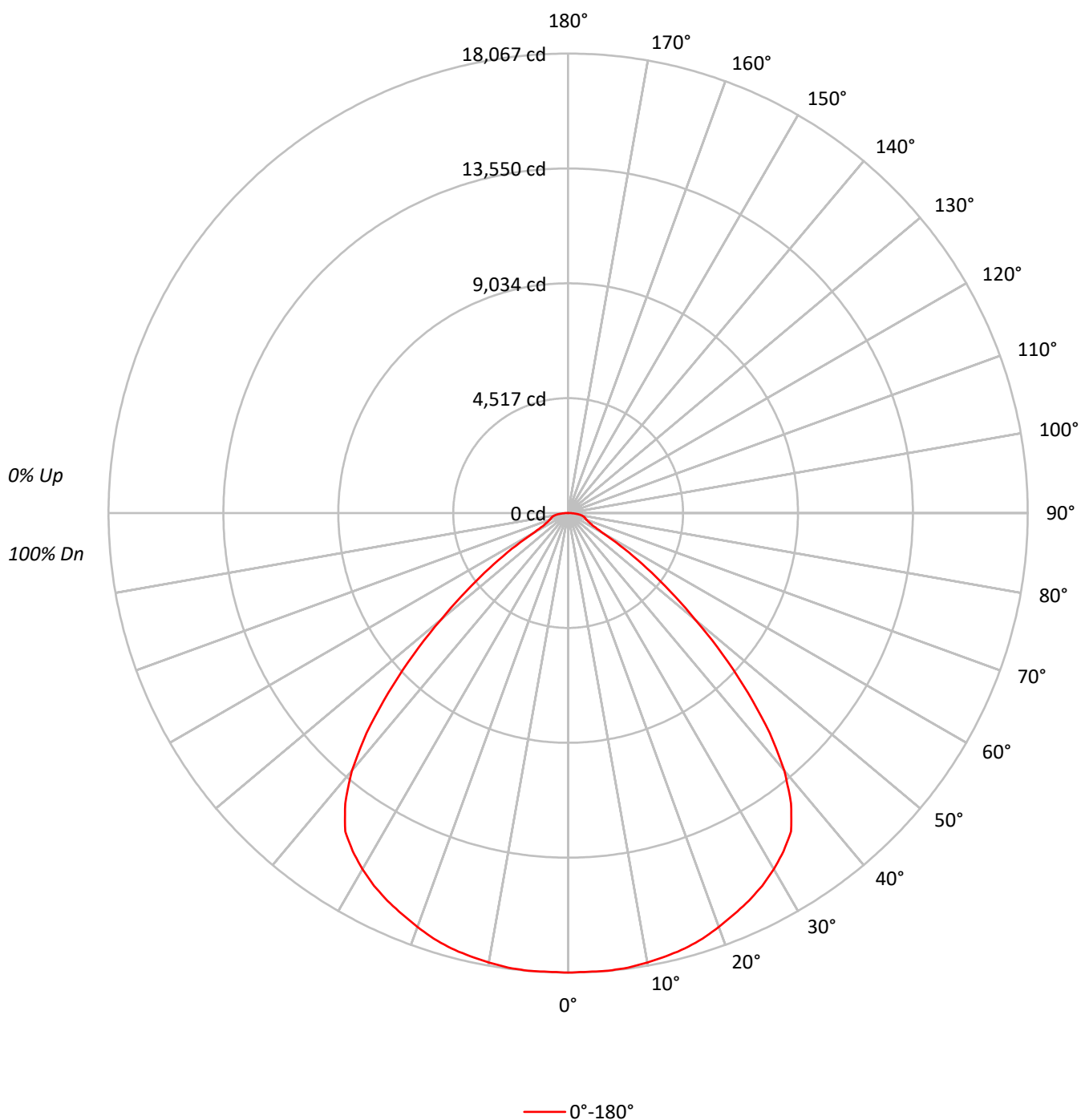
Lumens per Lamp: N/A
Luminaire Lumens: 36997.9 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		70
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55		55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		44
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40		40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		37
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129397
5°	129847
10°	130497
15°	131419
20°	131980
25°	132877
30°	133678
35°	133590
40°	123577
45°	101202
50°	72732
55°	47171
60°	22624
65°	16218
70°	15950
75°	18645
80°	22354
85°	25679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1720.4	4.6
10°-20°	5005.2	13.5
20°-30°	7754.4	21.0
30°-40°	9408.0	25.4
40°-50°	7640.5	20.7
50°-60°	3433.7	9.3
60°-70°	1009.5	2.7
70°-80°	703.6	1.9
80°-90°	322.6	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°	14480.0	39.1
0°-40°	23888.0	64.6
0°-60°	34962.1	94.5
0°-90°	36997.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36997.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18067	
5°	18061	###
15°	17724	5005
25°	16815	7754
35°	15280	9408
45°	9992	7641
55°	3778	3434
65°	957	1010
75°	674	704
85°	312	323
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18067.4
2.5°	18051.6
5°	18061.3
7.5°	18029.6
10°	17944.2
12.5°	17845.3
15°	17724.5
17.5°	17552.4
20°	17316.8
22.5°	17069.0
25°	16815.1
27.5°	16519.7
30°	16164.5
32.5°	15761.7
35°	15279.6
37.5°	14394.6
40°	13218.0
42.5°	11723.9
45°	9991.9
47.5°	8245.2
50°	6527.8
52.5°	5046.0
55°	3777.8
57.5°	2619.4
60°	1579.5
62.5°	1121.7
65°	957.0
67.5°	837.3
70°	761.7
72.5°	717.7
75°	673.8
77.5°	620.1
80°	542.0
82.5°	443.1
85°	312.5
87.5°	158.7
90°	0.0

(END OF REPORT)