

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: P1505454

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505454
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 (4000K_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

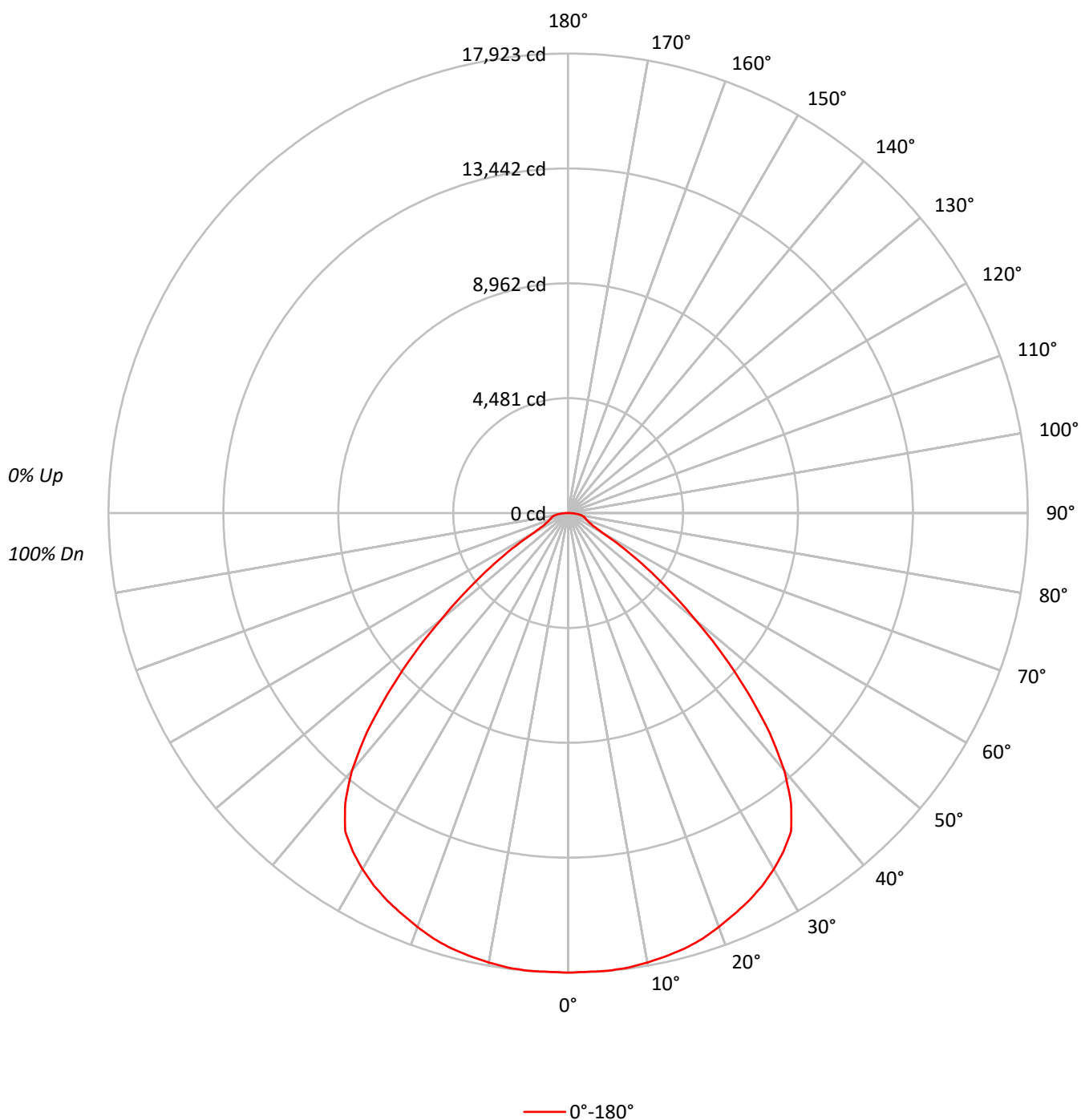
Lumens per Lamp: N/A
Luminaire Lumens: 36702.6 lumens
Efficiency: N/A
Efficacy: 158.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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°	128364
5°	128811
10°	129455
15°	130370
20°	130927
25°	131817
30°	132611
35°	132524
40°	122591
45°	100395
50°	72152
55°	46794
60°	22444
65°	16087
70°	15822
75°	18496
80°	22173
85°	25474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100395 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1706.7	4.6
10°-20°	4965.3	13.5
20°-30°	7692.5	21.0
30°-40°	9333.0	25.4
40°-50°	7579.5	20.7
50°-60°	3406.2	9.3
60°-70°	1001.5	2.7
70°-80°	698.0	1.9
80°-90°	320.0	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°	14364.4	39.1
0°-40°	23697.4	64.6
0°-60°	34683.1	94.5
0°-90°	36702.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36702.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17923	
5°	17917	###
15°	17583	4965
25°	16681	7693
35°	15158	9333
45°	9912	7580
55°	3748	3406
65°	949	1001
75°	668	698
85°	310	320
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17923.3
2.5°	17907.5
5°	17917.2
7.5°	17885.7
10°	17801.0
12.5°	17702.9
15°	17583.0
17.5°	17412.3
20°	17178.6
22.5°	16932.8
25°	16680.9
27.5°	16387.9
30°	16035.5
32.5°	15635.9
35°	15157.7
37.5°	14279.8
40°	13112.5
42.5°	11630.4
45°	9912.2
47.5°	8179.4
50°	6475.7
52.5°	5005.7
55°	3747.6
57.5°	2598.5
60°	1566.9
62.5°	1112.8
65°	949.3
67.5°	830.7
70°	755.6
72.5°	712.0
75°	668.4
77.5°	615.1
80°	537.6
82.5°	439.5
85°	310.0
87.5°	157.4
90°	0.0

(END OF REPORT)