

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: P1505643

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505643
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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-06-WHGL-PS (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

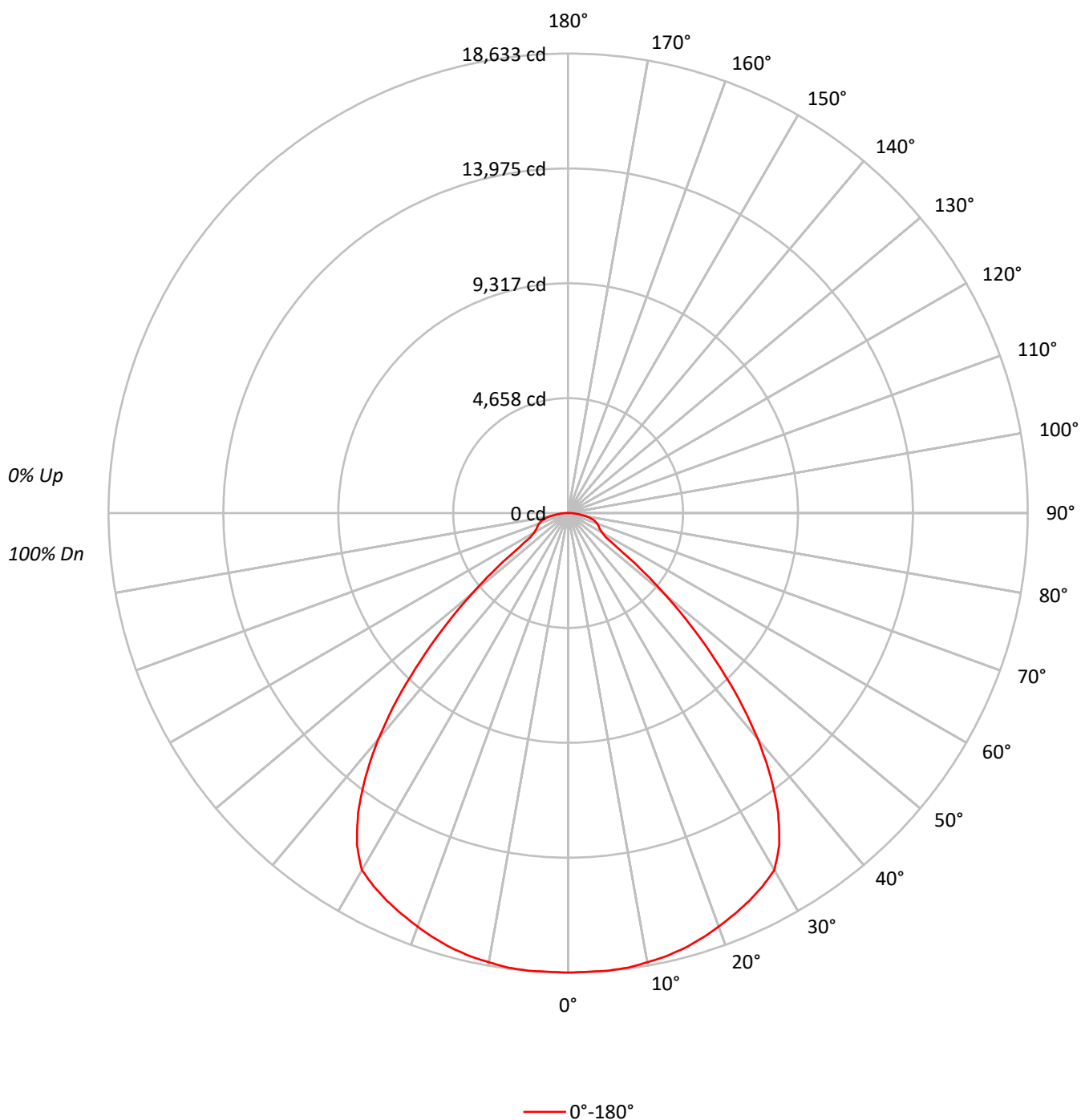
Lumens per Lamp: N/A
Luminaire Lumens: 35923.2 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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				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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	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	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118711
5°	119125
10°	119681
15°	120435
20°	120975
25°	122007
30°	123004
35°	115404
40°	99527
45°	76204
50°	50559
55°	26452
60°	20405
65°	20959
70°	23441
75°	25781
80°	26692
85°	25519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1773.9	4.9
10°-20°	5156.6	14.4
20°-30°	8004.9	22.3
30°-40°	9146.9	25.5
40°-50°	6507.9	18.1
50°-60°	2469.7	6.9
60°-70°	1391.8	3.9
70°-80°	1084.4	3.0
80°-90°	386.9	1.1
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°	14935.5	41.6
0°-40°	24082.4	67.0
0°-60°	33060.1	92.0
0°-90°	35923.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35923.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18633	
5°	18626	###
15°	18259	5157
25°	17356	8005
35°	14838	9147
45°	8458	6508
55°	2381	2470
65°	1390	1392
75°	1047	1084
85°	349	387
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18632.6
2.5°	18615.5
5°	18626.5
7.5°	18589.9
10°	18499.5
12.5°	18398.2
15°	18259.1
17.5°	18069.9
20°	17842.9
22.5°	17608.5
25°	17355.8
27.5°	17061.7
30°	16719.9
32.5°	15935.0
35°	14837.7
37.5°	13499.9
40°	11966.8
42.5°	10262.9
45°	8457.6
47.5°	6737.8
50°	5100.9
52.5°	3624.0
55°	2381.4
57.5°	1791.9
60°	1601.4
62.5°	1469.6
65°	1390.3
67.5°	1326.8
70°	1258.4
72.5°	1165.7
75°	1047.3
77.5°	902.0
80°	727.5
82.5°	539.5
85°	349.1
87.5°	169.7
90°	0.0

(END OF REPORT)