

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: P1505274

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505274
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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-A-06-WHGL-PS (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

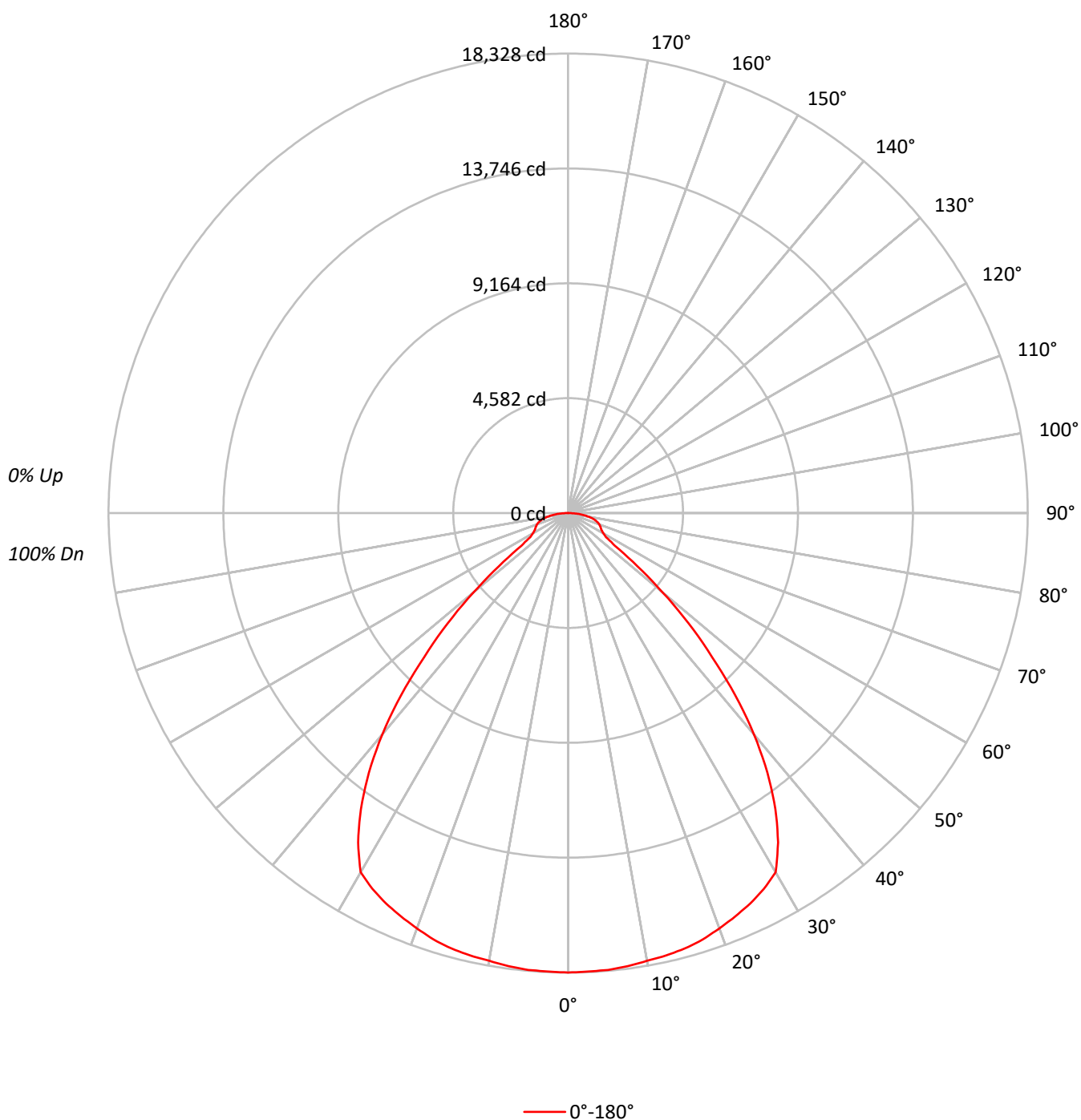
Lumens per Lamp: N/A
Luminaire Lumens: 35367.4 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45		
8	68	56	49	43	67	55	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	43	39	48	43	39	37		
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°	122263
5°	122479
10°	122853
15°	124201
20°	125132
25°	126488
30°	127456
35°	117355
40°	100490
45°	76548
50°	51020
55°	26363
60°	21648
65°	22744
70°	25791
75°	29087
80°	31678
85°	31695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1740.8	4.9
10°-20°	5079.2	14.4
20°-30°	7922.4	22.4
30°-40°	8904.8	25.2
40°-50°	6266.2	17.7
50°-60°	2394.1	6.8
60°-70°	1438.7	4.1
70°-80°	1171.0	3.3
80°-90°	450.2	1.3
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°	14742.4	41.7
0°-40°	23647.1	66.9
0°-60°	32307.5	91.3
0°-90°	35367.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35367.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18328	
5°	18290	###
15°	17984	5079
25°	17185	7922
35°	14410	8905
45°	8114	6266
55°	2267	2394
65°	1441	1439
75°	1128	1171
85°	414	450
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18327.7
2.5°	18299.9
5°	18290.2
7.5°	18229.6
10°	18136.4
12.5°	18071.0
15°	17983.8
17.5°	17836.1
20°	17626.6
22.5°	17415.9
25°	17184.6
27.5°	16901.3
30°	16546.5
32.5°	15585.1
35°	14410.5
37.5°	13053.2
40°	11539.6
42.5°	9872.2
45°	8114.0
47.5°	6514.5
50°	4916.1
52.5°	3474.0
55°	2266.7
57.5°	1792.1
60°	1622.6
62.5°	1507.5
65°	1440.9
67.5°	1384.0
70°	1322.3
72.5°	1238.7
75°	1128.5
77.5°	994.1
80°	824.6
82.5°	626.0
85°	414.1
87.5°	202.2
90°	0.0

(END OF REPORT)