

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: P1505259

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505259
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 (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

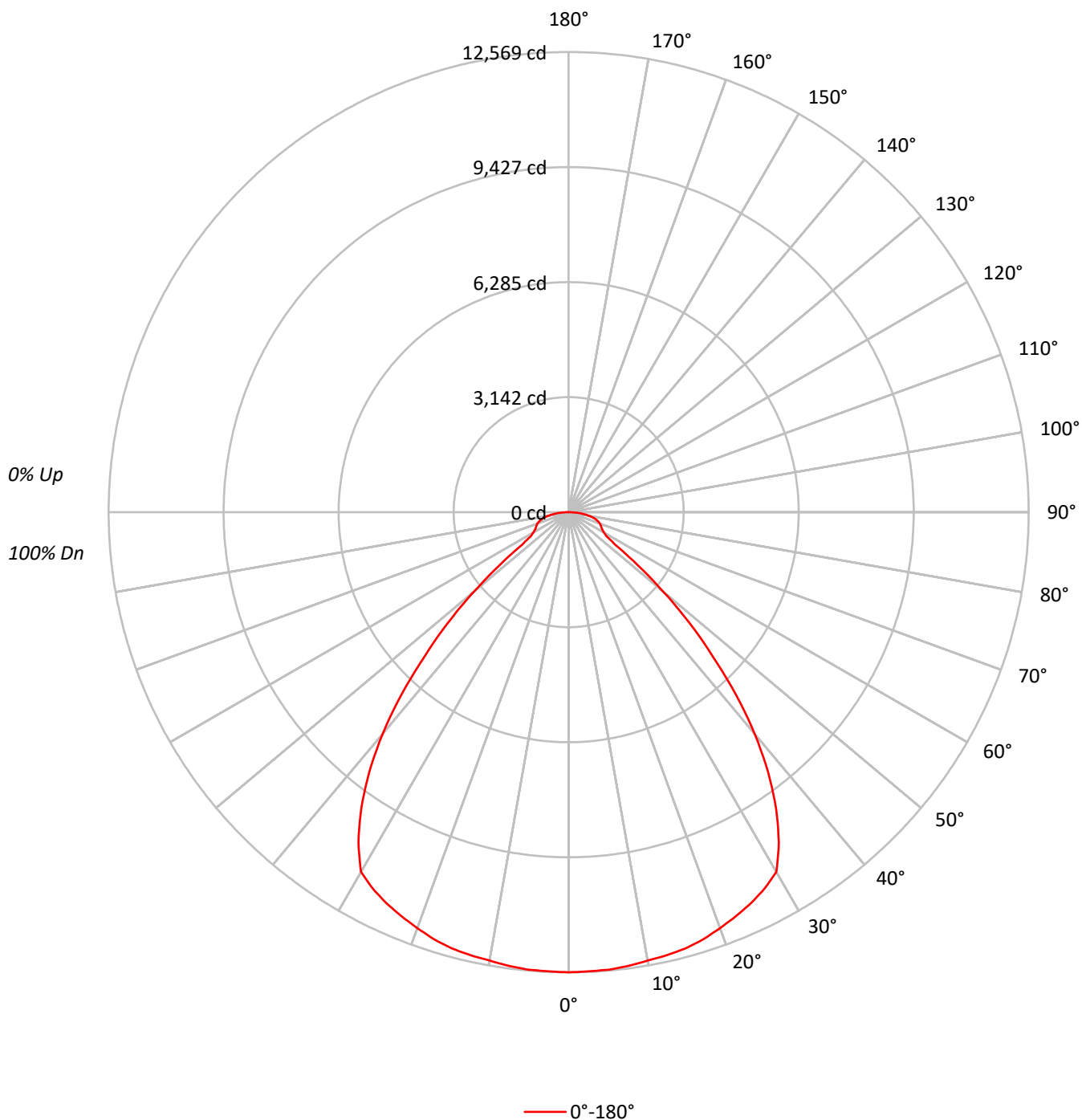
Lumens per Lamp: N/A
Luminaire Lumens: 24254.8 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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°	83847
5°	83995
10°	84252
15°	85176
20°	85815
25°	86745
30°	87409
35°	80482
40°	68916
45°	52496
50°	34989
55°	18079
60°	14845
65°	15598
70°	17687
75°	19947
80°	21724
85°	21737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1193.8	4.9
10°-20°	3483.3	14.4
20°-30°	5433.2	22.4
30°-40°	6106.8	25.2
40°-50°	4297.3	17.7
50°-60°	1641.9	6.8
60°-70°	986.7	4.1
70°-80°	803.1	3.3
80°-90°	308.8	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°	10110.2	41.7
0°-40°	16217.1	66.9
0°-60°	22156.3	91.3
0°-90°	24254.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24254.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12569	
5°	12543	###
15°	12333	3483
25°	11785	5433
35°	9883	6107
45°	5564	4297
55°	1554	1642
65°	988	987
75°	774	803
85°	284	309
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12569.0
2.5°	12549.9
5°	12543.3
7.5°	12501.8
10°	12437.8
12.5°	12393.0
15°	12333.2
17.5°	12231.9
20°	12088.2
22.5°	11943.7
25°	11785.1
27.5°	11590.8
30°	11347.5
32.5°	10688.2
35°	9882.7
37.5°	8951.8
40°	7913.8
42.5°	6770.3
45°	5564.5
47.5°	4467.6
50°	3371.4
52.5°	2382.4
55°	1554.5
57.5°	1229.0
60°	1112.7
62.5°	1033.9
65°	988.2
67.5°	949.2
70°	906.8
72.5°	849.5
75°	773.9
77.5°	681.8
80°	565.5
82.5°	429.3
85°	284.0
87.5°	138.7
90°	0.0

(END OF REPORT)