

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: P1505261

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505261
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

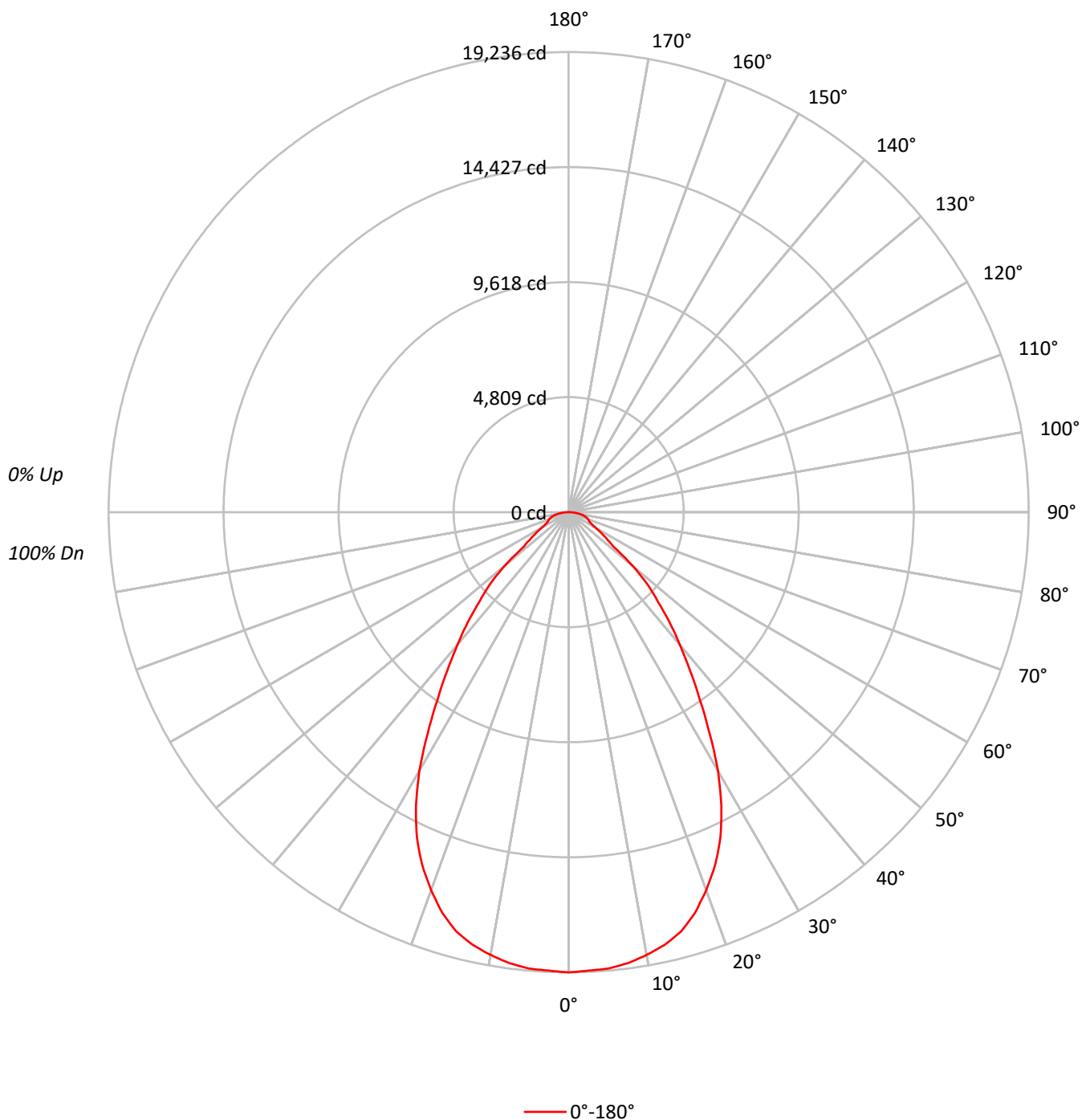
Lumens per Lamp: N/A
Luminaire Lumens: 27700.1 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 196.3
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	128322
5°	128203
10°	127321
15°	125348
20°	119335
25°	110497
30°	96179
35°	77903
40°	62882
45°	49708
50°	36323
55°	22656
60°	17278
65°	15327
70°	16832
75°	18403
80°	19439
85°	20283

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49708 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1816.2	6.6
10°-20°	5077.5	18.3
20°-30°	6824.1	24.6
30°-40°	6014.2	21.7
40°-50°	4094.1	14.8
50°-60°	1846.5	6.7
60°-70°	1000.5	3.6
70°-80°	743.3	2.7
80°-90°	283.8	1.0
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°	13717.7	49.5
0°-40°	19731.9	71.2
0°-60°	25672.5	92.7
0°-90°	27700.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27700.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19236	
5°	19145	###
15°	18150	5078
25°	15012	6824
35°	9566	6014
45°	5269	4094
55°	1948	1847
65°	971	1001
75°	714	743
85°	265	284
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19236
2.5°	19182
5°	19145
7.5°	19012
10°	18796
12.5°	18529
15°	18150
17.5°	17566
20°	16810
22.5°	15990
25°	15012
27.5°	13828
30°	12486
32.5°	10968
35°	9566
37.5°	8319
40°	7221
42.5°	6237
45°	5269
47.5°	4478
50°	3500
52.5°	2354
55°	1948
57.5°	1607
60°	1295
62.5°	1082
65°	971
67.5°	910
70°	863
72.5°	799
75°	714
77.5°	618
80°	506
82.5°	389
85°	265
87.5°	136
90°	0

(END OF REPORT)