

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: P1505288

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505288
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 (6500K_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

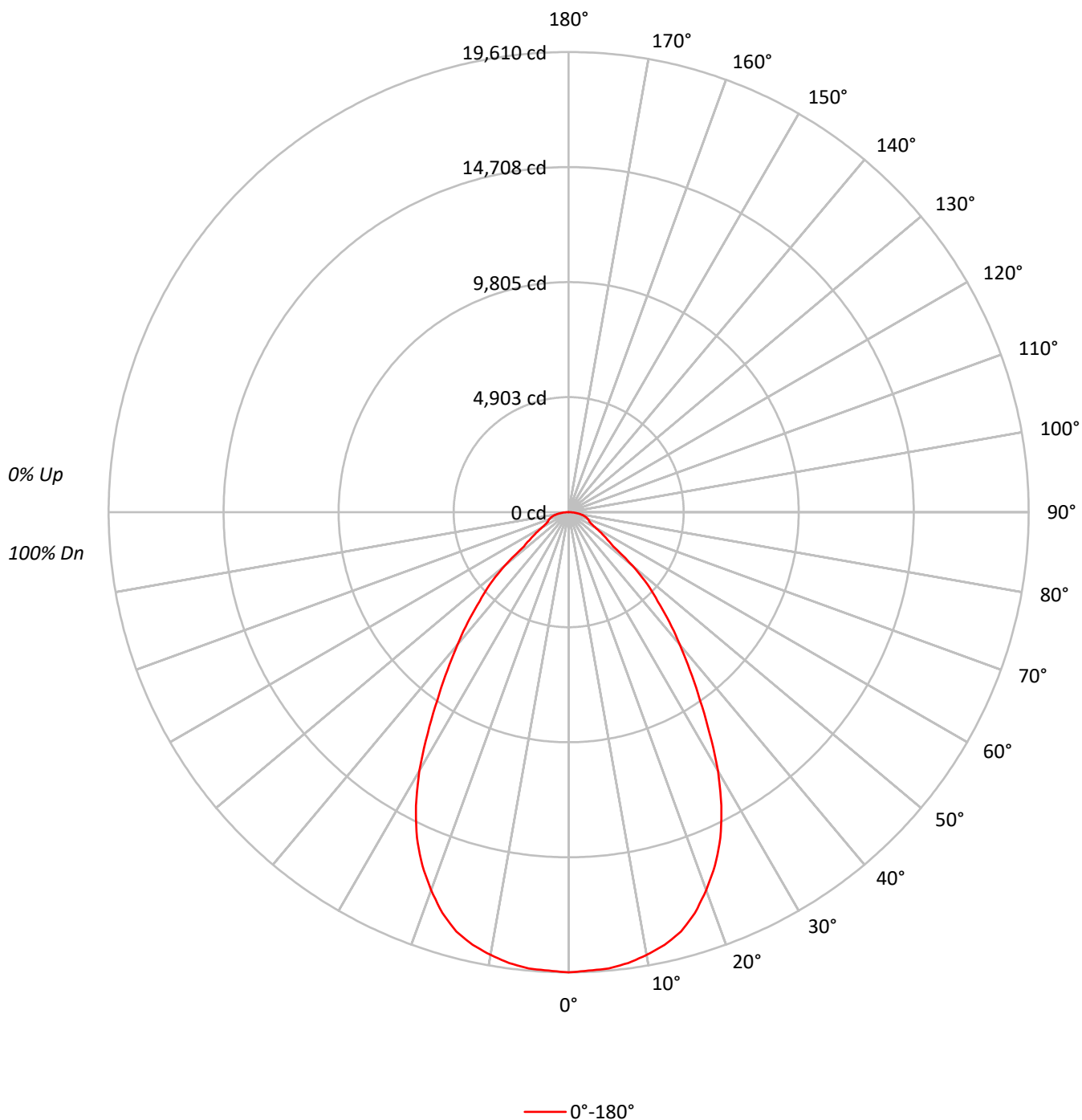
Lumens per Lamp: N/A
Luminaire Lumens: 28238.8 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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

TEST NUMBER: P1505288

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L32_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505288

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L32_Narrow_120V)

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°	130817
5°	130696
10°	129797
15°	127786
20°	121656
25°	112645
30°	98049
35°	79417
40°	64105
45°	50675
50°	37030
55°	23097
60°	17614
65°	15625
70°	17160
75°	18761
80°	19815
85°	20681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50675 cd/sqm

TEST NUMBER: P1505288

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1851.5	6.6
10°-20°	5176.2	18.3
20°-30°	6956.7	24.6
30°-40°	6131.2	21.7
40°-50°	4173.7	14.8
50°-60°	1882.4	6.7
60°-70°	1020.0	3.6
70°-80°	757.7	2.7
80°-90°	289.4	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°	13984.5	49.5
0°-40°	20115.6	71.2
0°-60°	26171.8	92.7
0°-90°	28238.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28238.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19610	
5°	19517	###
15°	18503	5176
25°	15304	6957
35°	9752	6131
45°	5372	4174
55°	1986	1882
65°	990	1020
75°	728	758
85°	270	289
90°	0	

TEST NUMBER: P1505288

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19610.0
2.5°	19555.0
5°	19517.3
7.5°	19381.7
10°	19161.5
12.5°	18889.3
15°	18502.9
17.5°	17907.6
20°	17136.9
22.5°	16300.9
25°	15303.9
27.5°	14096.9
30°	12728.8
32.5°	11181.3
35°	9752.0
37.5°	8480.8
40°	7361.4
42.5°	6358.3
45°	5371.5
47.5°	4565.1
50°	3568.1
52.5°	2399.8
55°	1985.9
57.5°	1638.2
60°	1320.2
62.5°	1103.0
65°	989.9
67.5°	927.7
70°	879.8
72.5°	814.5
75°	727.9
77.5°	630.0
80°	515.8
82.5°	396.6
85°	270.2
87.5°	138.6
90°	0.0

(END OF REPORT)