

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: P1505618

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505618
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-121)
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 (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

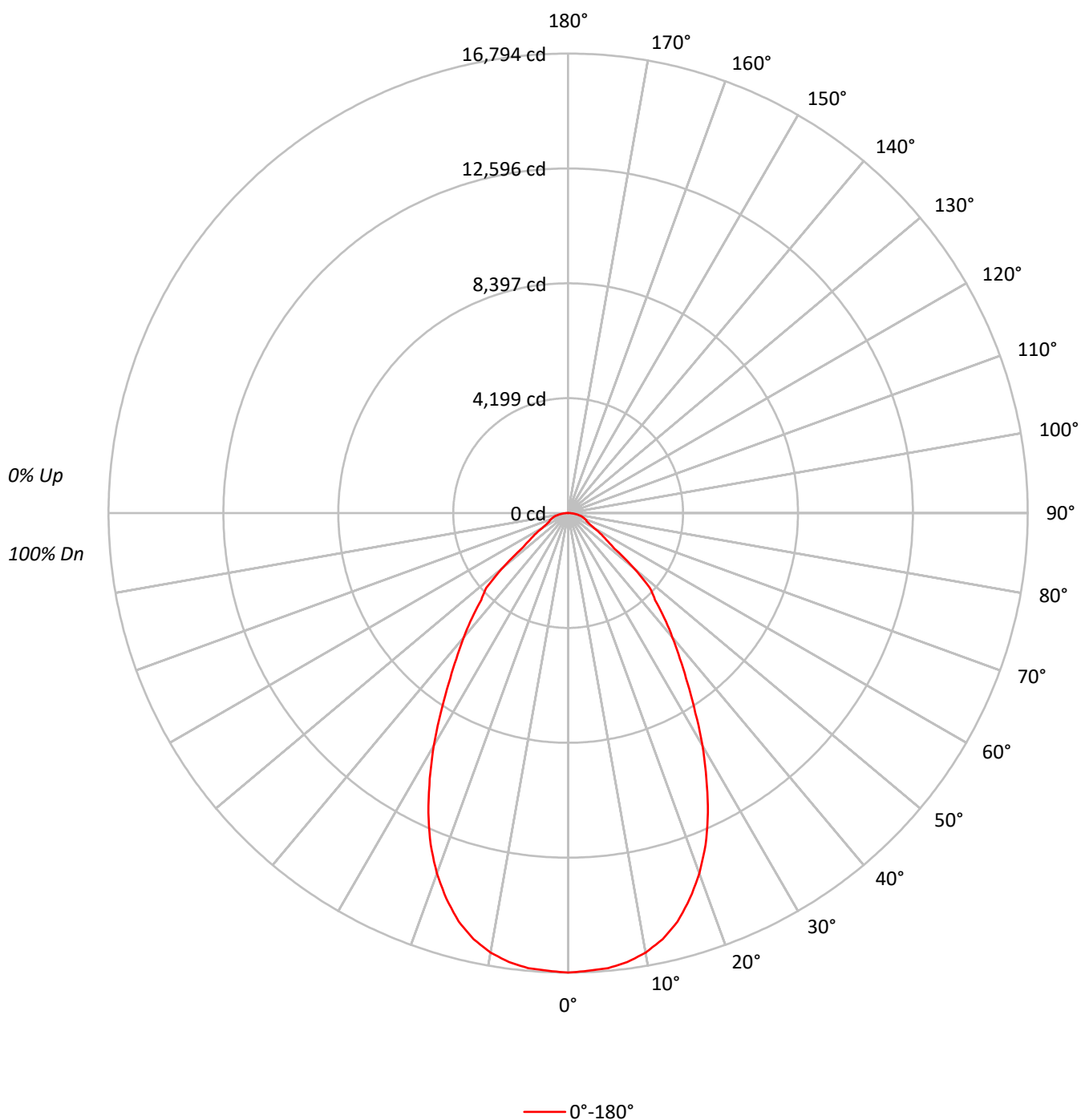
Lumens per Lamp: N/A
Luminaire Lumens: 22918.6 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1505618

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L24_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505618

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L24_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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65		
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	71	59	52	47	69	59	52	47	58	51	47	57	51	47	55	50	47	45		
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42		
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106998
5°	106769
10°	105516
15°	101921
20°	95021
25°	84949
30°	72167
35°	59149
40°	49257
45°	40493
50°	31400
55°	18919
60°	14052
65°	11756
70°	12593
75°	13308
80°	13315
85°	13048

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40493 cd/sqm

TEST NUMBER: P1505618

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1581.3	6.9
10°-20°	4314.0	18.8
20°-30°	5504.0	24.0
30°-40°	4795.9	20.9
40°-50°	3514.9	15.3
50°-60°	1637.4	7.1
60°-70°	812.7	3.5
70°-80°	562.5	2.5
80°-90°	195.8	0.9
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°	11399.3	49.7
0°-40°	16195.3	70.7
0°-60°	21347.6	93.1
0°-90°	22918.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22918.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16794	
5°	16694	###
15°	15452	4314
25°	12084	5504
35°	7605	4796
45°	4494	3515
55°	1703	1637
65°	780	813
75°	541	562
85°	178	196
90°	0	

TEST NUMBER: P1505618

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L24_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	16794.1
2.5°	16745.1
5°	16694.5
7.5°	16550.8
10°	16310.0
12.5°	15950.4
15°	15452.2
17.5°	14780.4
20°	14014.8
22.5°	13122.9
25°	12084.1
27.5°	10944.7
30°	9809.6
32.5°	8656.1
35°	7604.9
37.5°	6713.8
40°	5922.5
42.5°	5197.5
45°	4494.2
47.5°	4057.4
50°	3168.0
52.5°	2139.1
55°	1703.2
57.5°	1393.4
60°	1102.8
62.5°	894.3
65°	779.8
67.5°	721.6
70°	676.0
72.5°	616.2
75°	540.6
77.5°	455.1
80°	362.9
82.5°	270.7
85°	178.5
87.5°	88.9
90°	0.0

(END OF REPORT)