

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: P1505084

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505084
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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-04-WHGL-PS (3500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

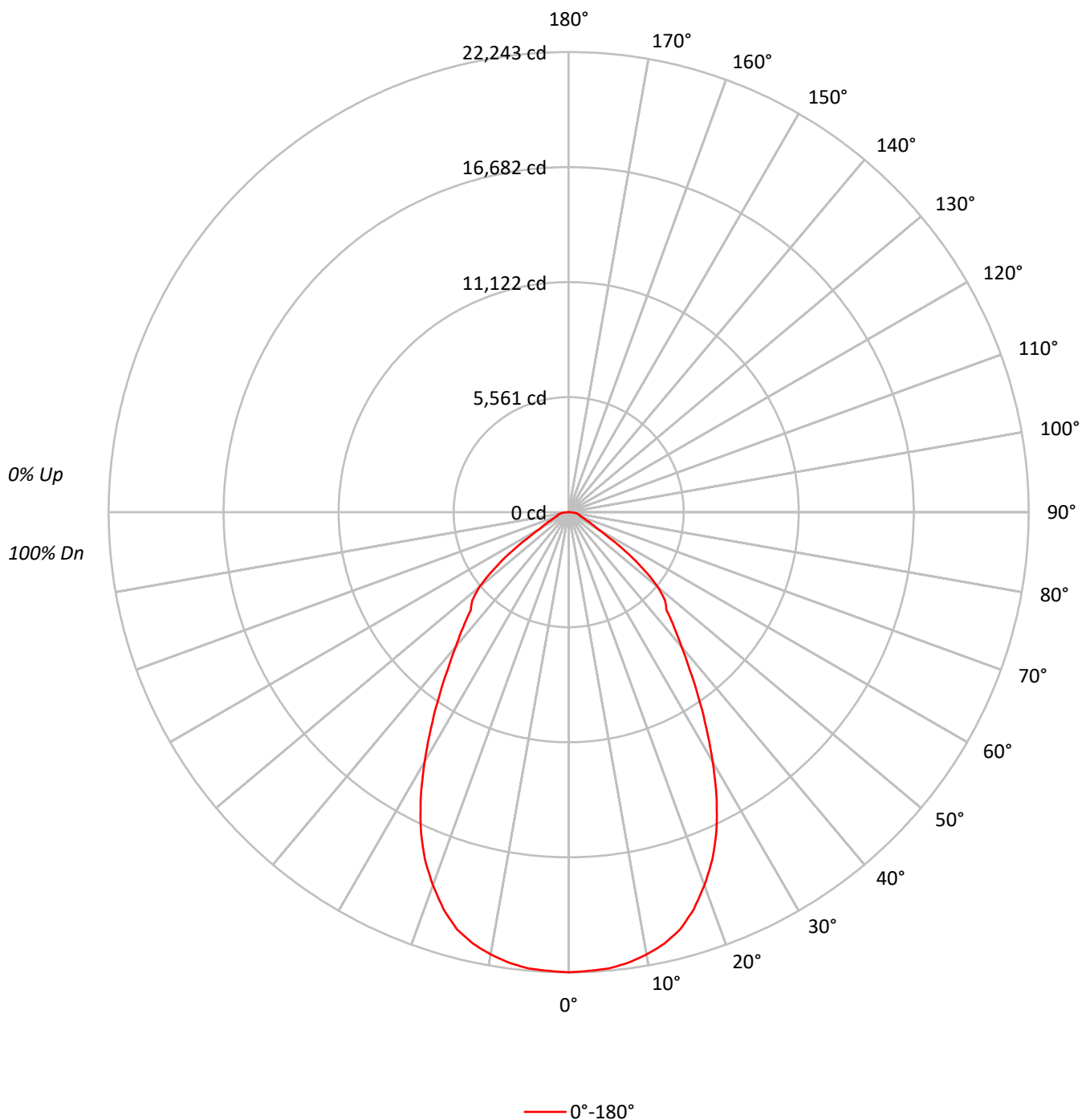
Lumens per Lamp: N/A
Luminaire Lumens: 32849.4 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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: P1505084

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L36_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505084

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L36_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	92	90		
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	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163214
5°	163083
10°	161747
15°	158551
20°	149815
25°	136982
30°	117884
35°	98067
40°	81382
45°	69396
50°	64397
55°	45460
60°	23968
65°	17821
70°	14016
75°	15323
80°	18077
85°	19961

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69396 cd/sqm

TEST NUMBER: P1505084

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2099.3	6.4
10°-20°	5831.7	17.8
20°-30°	7694.5	23.4
30°-40°	6870.0	20.9
40°-50°	5322.1	16.2
50°-60°	3159.0	9.6
60°-70°	1053.1	3.2
70°-80°	571.0	1.7
80°-90°	248.7	0.8
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°	15625.5	47.6
0°-40°	22495.5	68.5
0°-60°	30976.6	94.3
0°-90°	32849.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32849.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22243	
5°	22141	###
15°	20872	5832
25°	16919	7694
35°	10948	6870
45°	6688	5322
55°	3554	3159
65°	1026	1053
75°	540	571
85°	237	249
90°	0	

TEST NUMBER: P1505084

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	22243.4
2.5°	22195.7
5°	22141.1
7.5°	21970.2
10°	21708.6
12.5°	21364.6
15°	20871.7
17.5°	20118.4
20°	19186.1
22.5°	18162.0
25°	16919.4
27.5°	15483.8
30°	13913.3
32.5°	12396.3
35°	10947.9
37.5°	9621.6
40°	8496.3
42.5°	7550.1
45°	6687.5
47.5°	6329.5
50°	5641.3
52.5°	4624.2
55°	3553.6
57.5°	2428.3
60°	1633.2
62.5°	1301.9
65°	1026.4
67.5°	797.4
70°	653.3
72.5°	585.9
75°	540.5
77.5°	495.2
80°	427.8
82.5°	340.6
85°	237.1
87.5°	122.1
90°	0.0

(END OF REPORT)