

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: P1504959

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504959
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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-BLAK-PS (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

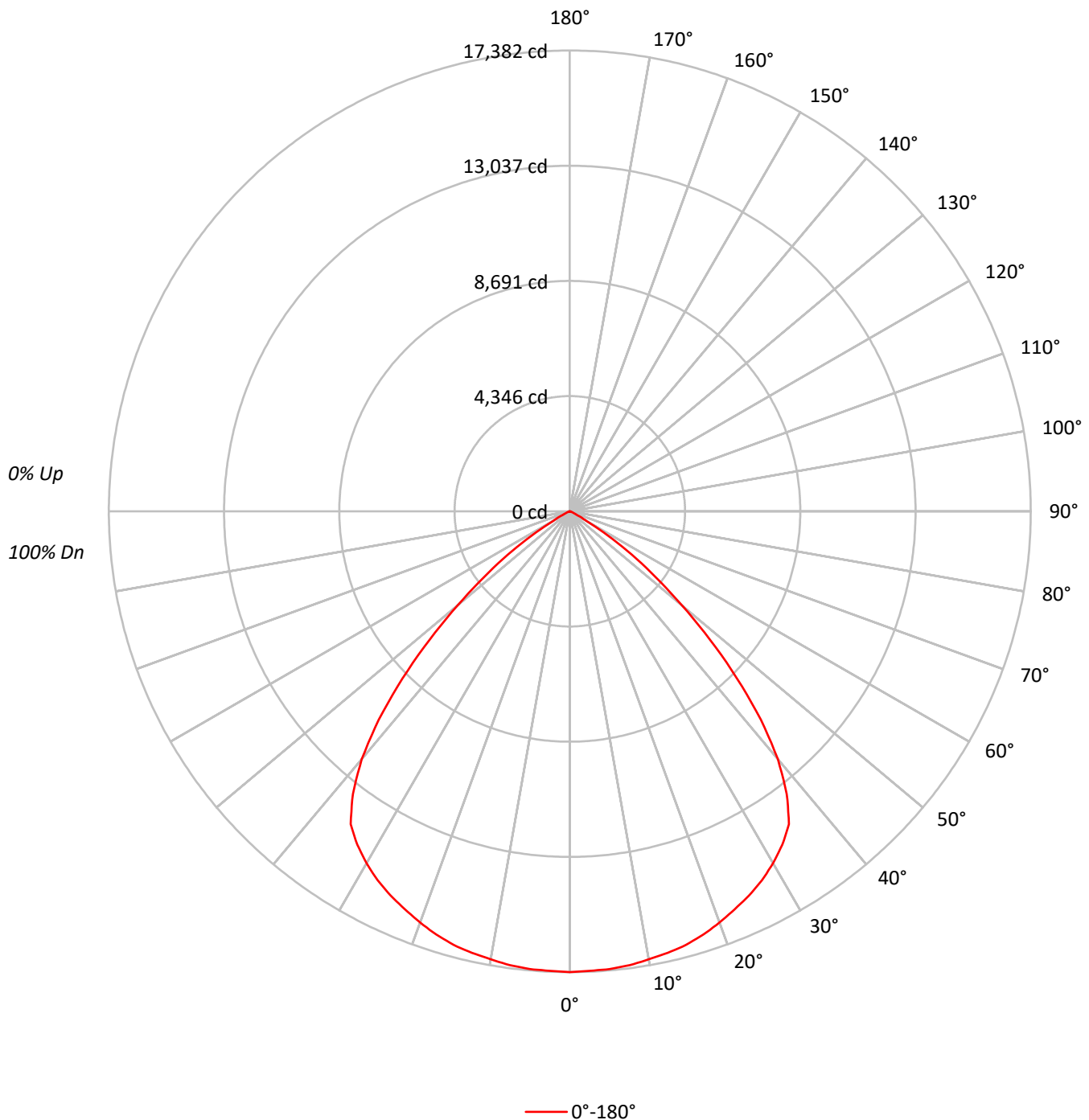
Lumens per Lamp: N/A
Luminaire Lumens: 32354.3 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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: P1504959

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L36_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504959

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L36_Wide_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	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127542
5°	127664
10°	127832
15°	128620
20°	128892
25°	129463
30°	129884
35°	129040
40°	116877
45°	92580
50°	62809
55°	36464
60°	10804
65°	3490
70°	1195
75°	720
80°	870
85°	1120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92580 cd/sqm

TEST NUMBER: P1504959

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1648.8	5.1
10°-20°	4778.6	14.8
20°-30°	7372.2	22.8
30°-40°	8838.2	27.3
40°-50°	6820.8	21.1
50°-60°	2594.6	8.0
60°-70°	255.8	0.8
70°-80°	31.7	0.1
80°-90°	13.4	0.0
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°	13799.7	42.7
0°-40°	22637.9	70.0
0°-60°	32053.4	99.1
0°-90°	32354.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32354.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17382	
5°	17332	###
15°	16932	4779
25°	15991	7372
35°	14406	8838
45°	8922	6821
55°	2850	2595
65°	201	256
75°	25	32
85°	13	13
90°	0	

TEST NUMBER: P1504959

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	17382.0
2.5°	17346.9
5°	17332.4
7.5°	17268.2
10°	17156.8
12.5°	17057.5
15°	16931.6
17.5°	16741.5
20°	16506.6
22.5°	16246.2
25°	15990.7
27.5°	15689.2
30°	15329.6
32.5°	14909.4
35°	14405.7
37.5°	13433.4
40°	12201.9
42.5°	10660.5
45°	8921.7
47.5°	7167.1
50°	5502.2
52.5°	4079.4
55°	2850.4
57.5°	1701.3
60°	736.2
62.5°	339.0
65°	201.0
67.5°	110.2
70°	55.7
72.5°	33.9
75°	25.4
77.5°	23.0
80°	20.6
82.5°	18.2
85°	13.3
87.5°	7.3
90°	0.0

(END OF REPORT)