

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: P1504971

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504971
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 (6500K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

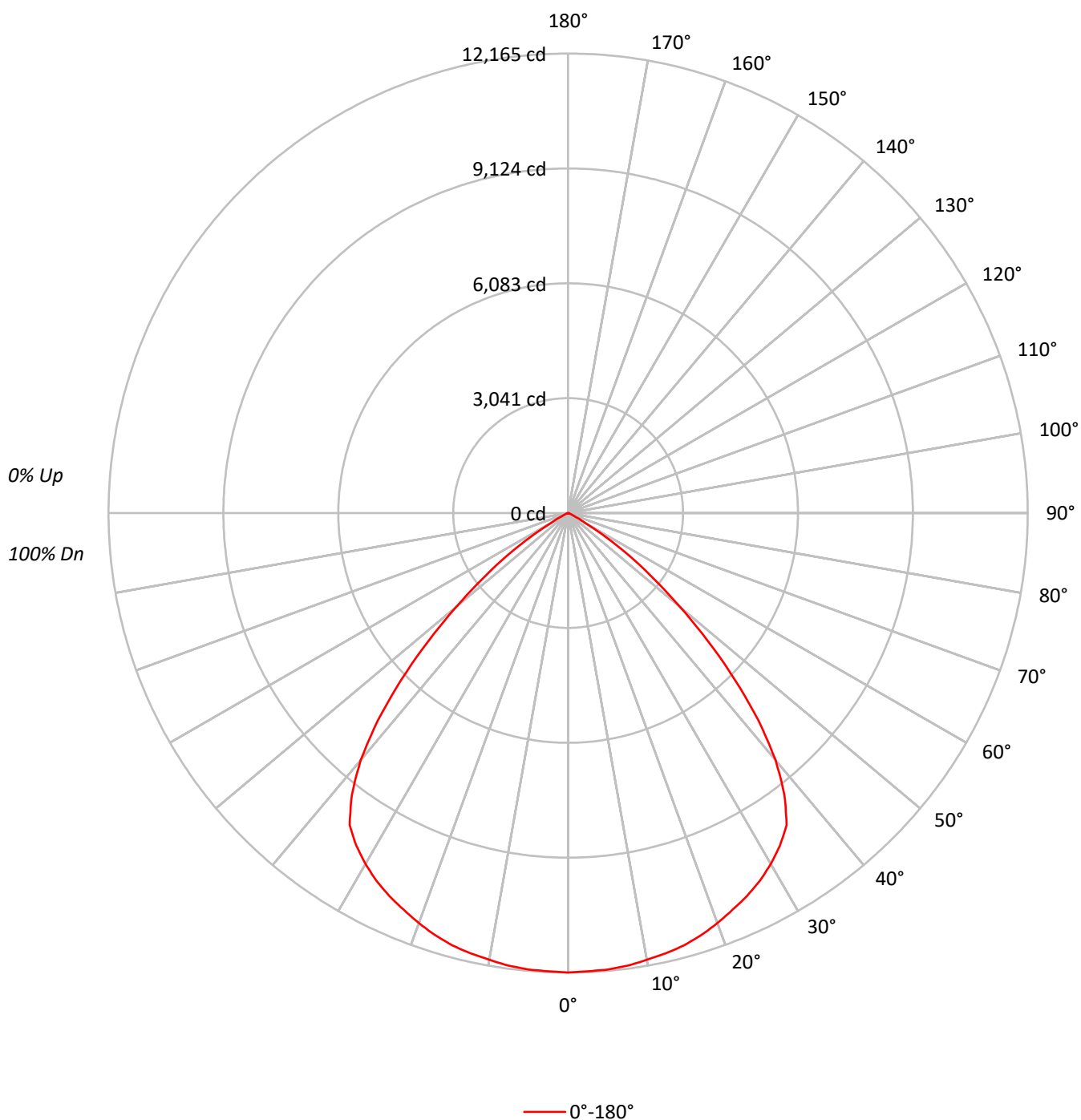
Lumens per Lamp: N/A
Luminaire Lumens: 22642.7 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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: P1504971

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L24_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504971

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L24_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°	89259
5°	89344
10°	89462
15°	90013
20°	90203
25°	90603
30°	90897
35°	90307
40°	81795
45°	64791
50°	43956
55°	25519
60°	7561
65°	2443
70°	837
75°	505
80°	608
85°	783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64791 cd/sqm

TEST NUMBER: P1504971

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1153.9	5.1
10°-20°	3344.3	14.8
20°-30°	5159.4	22.8
30°-40°	6185.3	27.3
40°-50°	4773.5	21.1
50°-60°	1815.8	8.0
60°-70°	179.1	0.8
70°-80°	22.2	0.1
80°-90°	9.3	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°	9657.5	42.7
0°-40°	15842.9	70.0
0°-60°	22432.1	99.1
0°-90°	22642.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22642.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12165	
5°	12130	###
15°	11849	3344
25°	11191	5159
35°	10082	6185
45°	6244	4773
55°	1995	1816
65°	141	179
75°	18	22
85°	9	9
90°	0	

TEST NUMBER: P1504971

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	12164.6
2.5°	12140.0
5°	12129.8
7.5°	12084.9
10°	12007.0
12.5°	11937.5
15°	11849.3
17.5°	11716.3
20°	11551.9
22.5°	11369.7
25°	11190.9
27.5°	10979.9
30°	10728.2
32.5°	10434.2
35°	10081.6
37.5°	9401.2
40°	8539.4
42.5°	7460.6
45°	6243.7
47.5°	5015.8
50°	3850.6
52.5°	2854.9
55°	1994.8
57.5°	1190.6
60°	515.2
62.5°	237.3
65°	140.7
67.5°	77.1
70°	39.0
72.5°	23.7
75°	17.8
77.5°	16.1
80°	14.4
82.5°	12.7
85°	9.3
87.5°	5.1
90°	0.0

(END OF REPORT)