

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: P1504954

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504954
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-80)
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_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

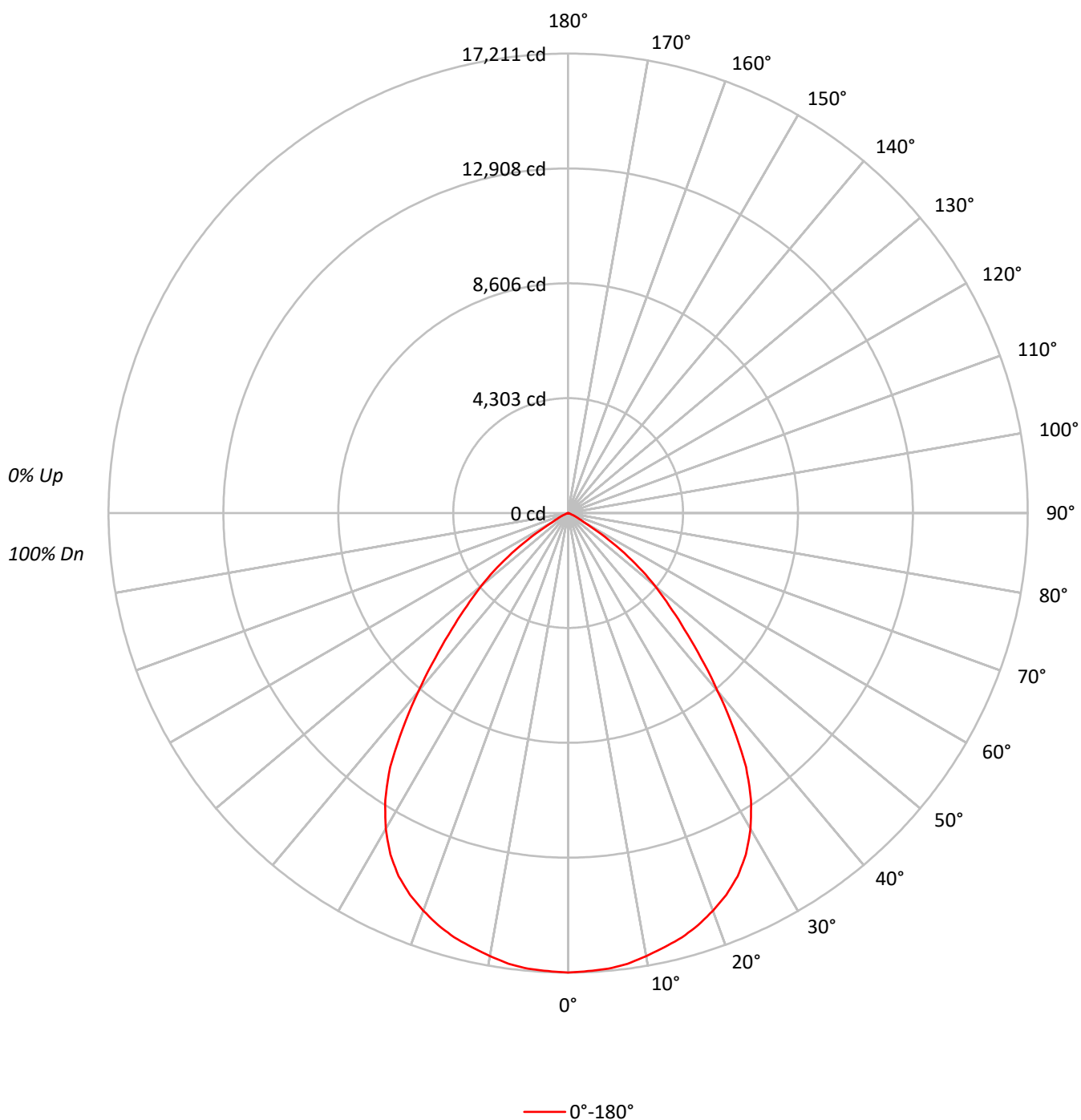
Lumens per Lamp: N/A
Luminaire Lumens: 27547.6 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	68	61	57	66	61	57	65	60	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	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	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126288
5°	126209
10°	125534
15°	125002
20°	123765
25°	121519
30°	115728
35°	104053
40°	83480
45°	63883
50°	48628
55°	30691
60°	9910
65°	4828
70°	1300
75°	505
80°	617
85°	707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63883 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1626.4	5.9
10°-20°	4637.8	16.8
20°-30°	6873.7	25.0
30°-40°	7120.6	25.8
40°-50°	4819.8	17.5
50°-60°	2132.5	7.7
60°-70°	301.5	1.1
70°-80°	26.7	0.1
80°-90°	8.5	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°	13137.9	47.7
0°-40°	20258.5	73.5
0°-60°	27210.9	98.8
0°-90°	27547.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27547.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17211	
5°	17135	###
15°	16455	4638
25°	15010	6874
35°	11616	7121
45°	6156	4820
55°	2399	2132
65°	278	301
75°	18	27
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17211.1
2.5°	17170.3
5°	17134.8
7.5°	17027.1
10°	16848.4
12.5°	16653.9
15°	16455.3
17.5°	16184.6
20°	15850.0
22.5°	15472.7
25°	15009.5
27.5°	14416.8
30°	13658.9
32.5°	12747.3
35°	11616.2
37.5°	10179.9
40°	8715.3
42.5°	7364.7
45°	6156.2
47.5°	5129.7
50°	4259.9
52.5°	3343.1
55°	2399.1
57.5°	1438.4
60°	675.3
62.5°	440.1
65°	278.1
67.5°	144.3
70°	60.6
72.5°	29.3
75°	17.8
77.5°	16.7
80°	14.6
82.5°	11.5
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)