

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: P1505153

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505153
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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-06-BLAK-PS (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

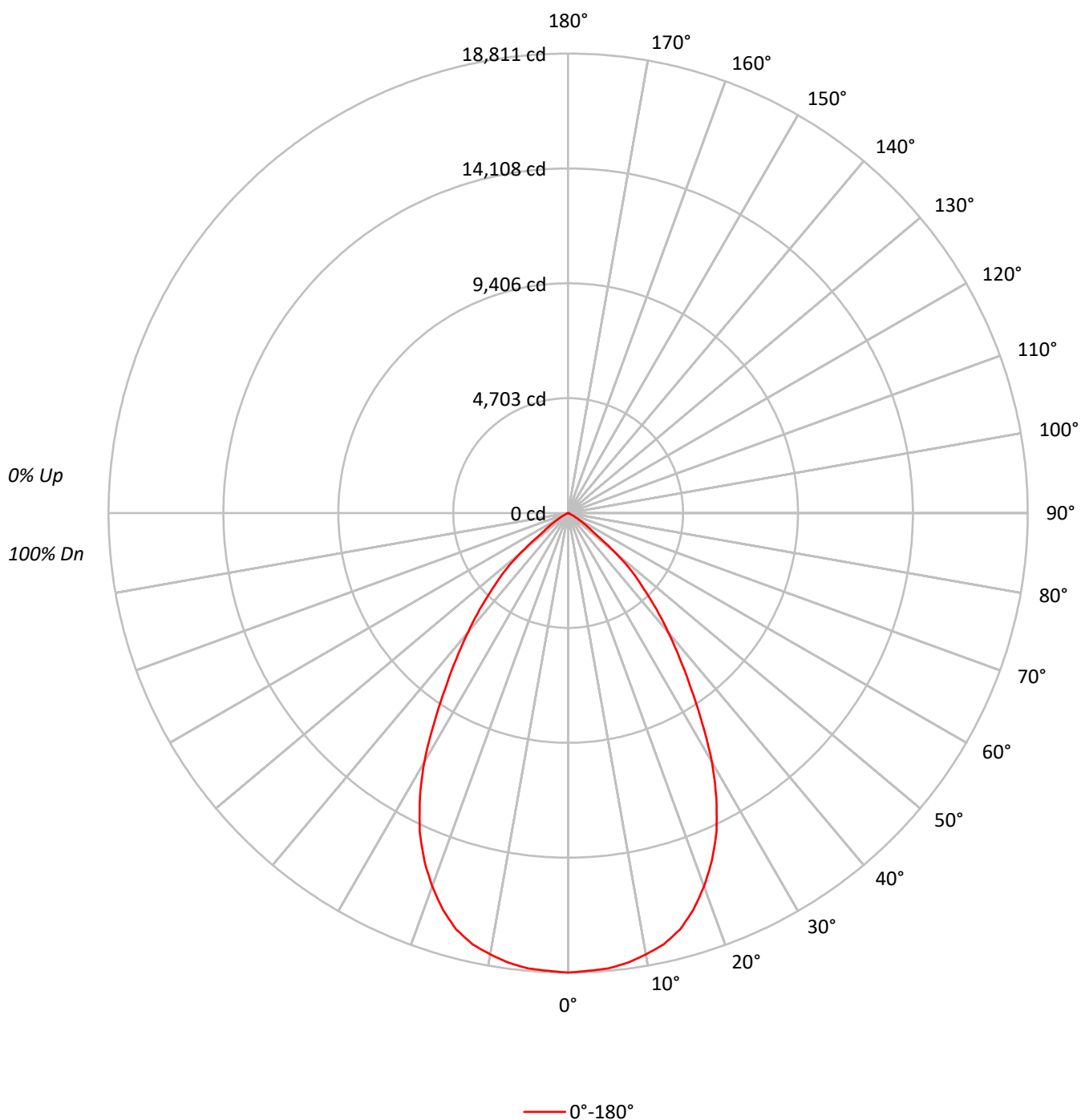
Lumens per Lamp: N/A
Luminaire Lumens: 23265.2 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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					10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92							
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84							
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77							
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70							
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64							
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59							
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54							
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50							
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47							
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125485
5°	125309
10°	124252
15°	121949
20°	115446
25°	105742
30°	90746
35°	71381
40°	55440
45°	41202
50°	26556
55°	11205
60°	4530
65°	1047
70°	616
75°	657
80°	707
85°	704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1774.3	7.6
10°-20°	4935.7	21.2
20°-30°	6524.1	28.0
30°-40°	5516.1	23.7
40°-50°	3394.1	14.6
50°-60°	975.8	4.2
60°-70°	108.5	0.5
70°-80°	26.5	0.1
80°-90°	10.0	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°	13234.1	56.9
0°-40°	18750.2	80.6
0°-60°	23120.1	99.4
0°-90°	23265.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23265.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18811	
5°	18713	###
15°	17658	4936
25°	14366	6524
35°	8765	5516
45°	4367	3394
55°	963	976
65°	66	109
75°	26	27
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18810.8
2.5°	18756.8
5°	18712.9
7.5°	18571.2
10°	18342.9
12.5°	18079.8
15°	17657.8
17.5°	17031.9
20°	16262.2
22.5°	15384.4
25°	14366.0
27.5°	13133.5
30°	11780.7
32.5°	10213.8
35°	8765.2
37.5°	7493.9
40°	6366.4
42.5°	5349.0
45°	4367.3
47.5°	3554.8
50°	2558.8
52.5°	1380.3
55°	963.4
57.5°	632.1
60°	339.5
62.5°	156.0
65°	66.3
67.5°	36.7
70°	31.6
72.5°	28.5
75°	25.5
77.5°	21.4
80°	18.4
82.5°	13.3
85°	9.2
87.5°	5.1
90°	0.0

(END OF REPORT)