

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: P1505117

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505117
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 (3000K_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

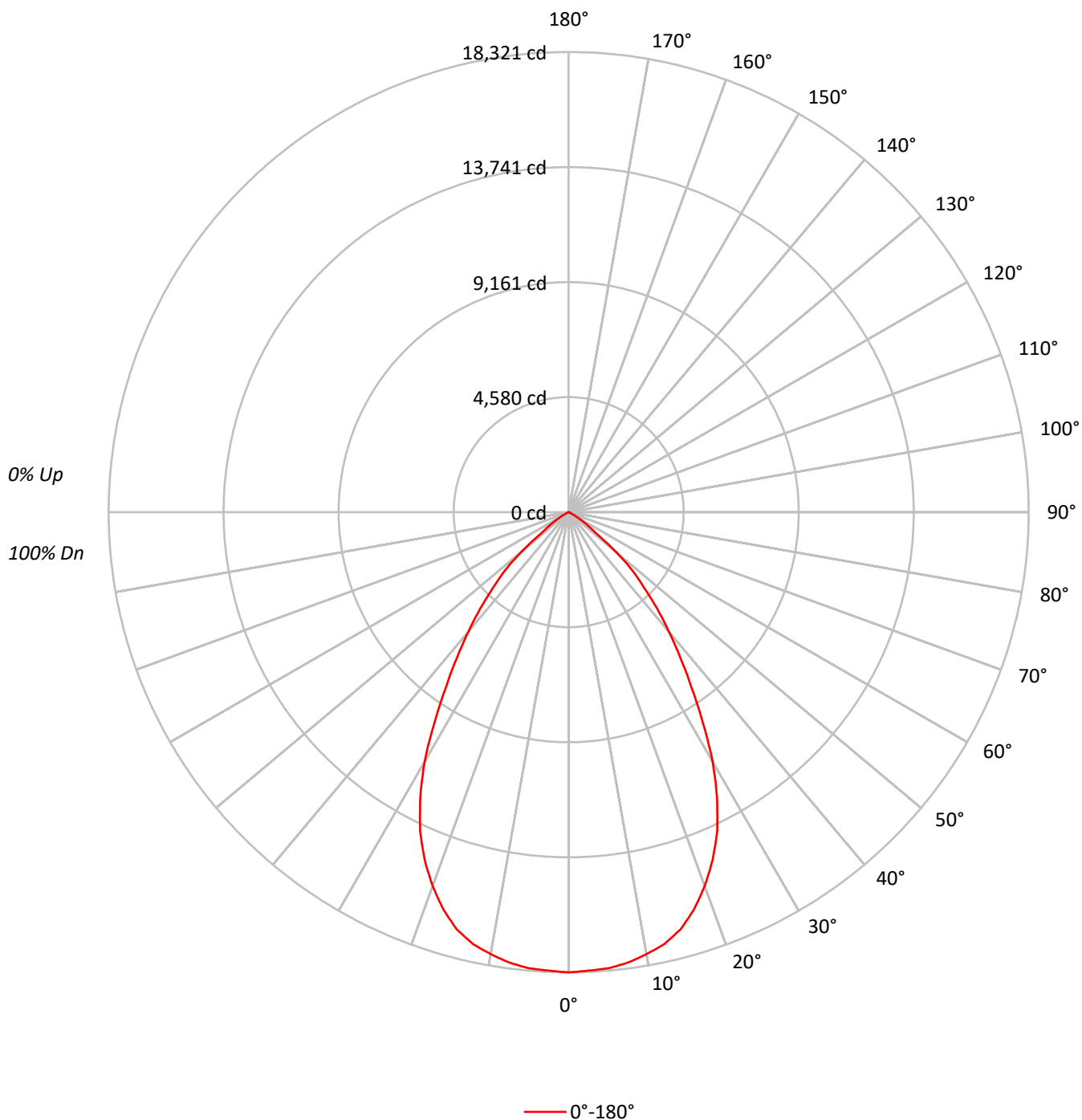
Lumens per Lamp: N/A
Luminaire Lumens: 22659.4 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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

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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	0		
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°	122218
5°	122047
10°	121017
15°	118774
20°	112440
25°	102988
30°	88383
35°	69523
40°	53997
45°	40129
50°	25864
55°	10913
60°	4411
65°	1018
70°	601
75°	639
80°	688
85°	681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1728.1	7.6
10°-20°	4807.2	21.2
20°-30°	6354.2	28.0
30°-40°	5372.5	23.7
40°-50°	3305.7	14.6
50°-60°	950.4	4.2
60°-70°	105.7	0.5
70°-80°	25.8	0.1
80°-90°	9.7	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°	12889.5	56.9
0°-40°	18262.0	80.6
0°-60°	22518.2	99.4
0°-90°	22659.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22659.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18321	
5°	18226	###
15°	17198	4807
25°	13992	6354
35°	8537	5373
45°	4254	3306
55°	938	950
65°	64	106
75°	25	26
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18321.0
2.5°	18268.4
5°	18225.7
7.5°	18087.7
10°	17865.3
12.5°	17609.1
15°	17198.0
17.5°	16588.4
20°	15838.7
22.5°	14983.9
25°	13991.9
27.5°	12791.5
30°	11474.0
32.5°	9947.9
35°	8537.0
37.5°	7298.8
40°	6200.7
42.5°	5209.7
45°	4253.6
47.5°	3462.2
50°	2492.2
52.5°	1344.4
55°	938.3
57.5°	615.6
60°	330.6
62.5°	151.9
65°	64.5
67.5°	35.7
70°	30.8
72.5°	27.8
75°	24.8
77.5°	20.9
80°	17.9
82.5°	12.9
85°	8.9
87.5°	5.0
90°	0.0

(END OF REPORT)