

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: P1505480

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505480
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-115)
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-B-06-BLAK-PS (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

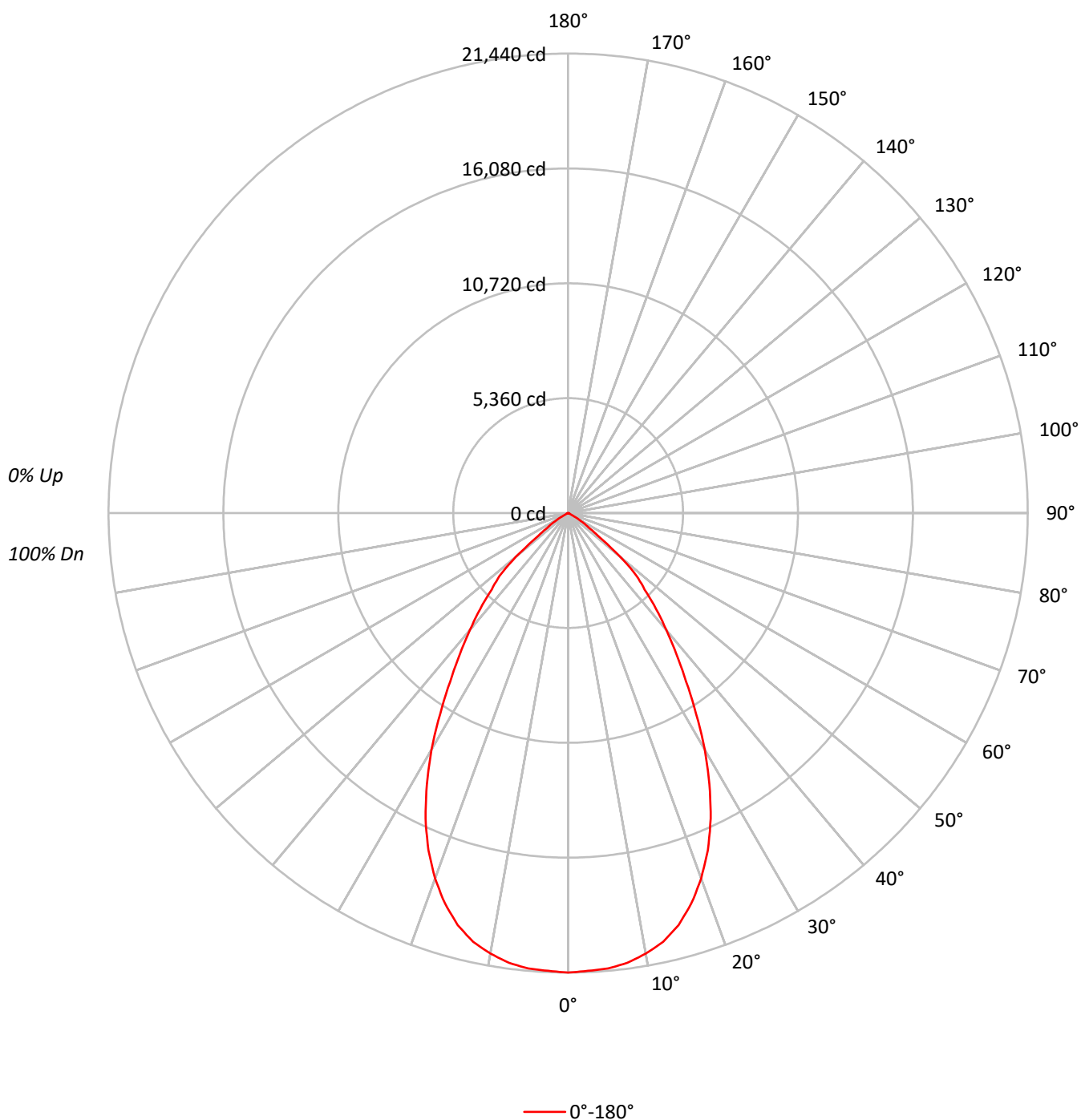
Lumens per Lamp: N/A
Luminaire Lumens: 26113.3 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70		
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64		
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59		
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50		
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136597
5°	136400
10°	134998
15°	131261
20°	122956
25°	110610
30°	93746
35°	74623
40°	59190
45°	45447
50°	31441
55°	12917
60°	5537
65°	1266
70°	656
75°	670
80°	668
85°	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2021.5	7.7
10°-20°	5558.7	21.3
20°-30°	7155.5	27.4
30°-40°	6044.6	23.1
40°-50°	3947.8	15.1
50°-60°	1209.4	4.6
60°-70°	137.3	0.5
70°-80°	28.6	0.1
80°-90°	9.9	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°	14735.7	56.4
0°-40°	20780.3	79.6
0°-60°	25937.5	99.3
0°-90°	26113.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26113.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21440	
5°	21328	###
15°	19900	5559
25°	15734	7156
35°	9594	6045
45°	5044	3948
55°	1163	1209
65°	84	137
75°	27	29
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21439.9
2.5°	21378.7
5°	21327.6
7.5°	21169.9
10°	20867.0
12.5°	20489.2
15°	19900.4
17.5°	19106.3
20°	18135.1
22.5°	17022.2
25°	15734.5
27.5°	14276.7
30°	12742.8
32.5°	11113.6
35°	9594.5
37.5°	8289.9
40°	7116.8
42.5°	6071.9
45°	5044.0
47.5°	4335.0
50°	3172.1
52.5°	1735.8
55°	1162.9
57.5°	782.8
60°	434.5
62.5°	199.7
65°	84.0
67.5°	44.2
70°	35.2
72.5°	31.8
75°	27.2
77.5°	22.7
80°	18.2
82.5°	13.6
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)