

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: P1505489

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505489
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 (3500K_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

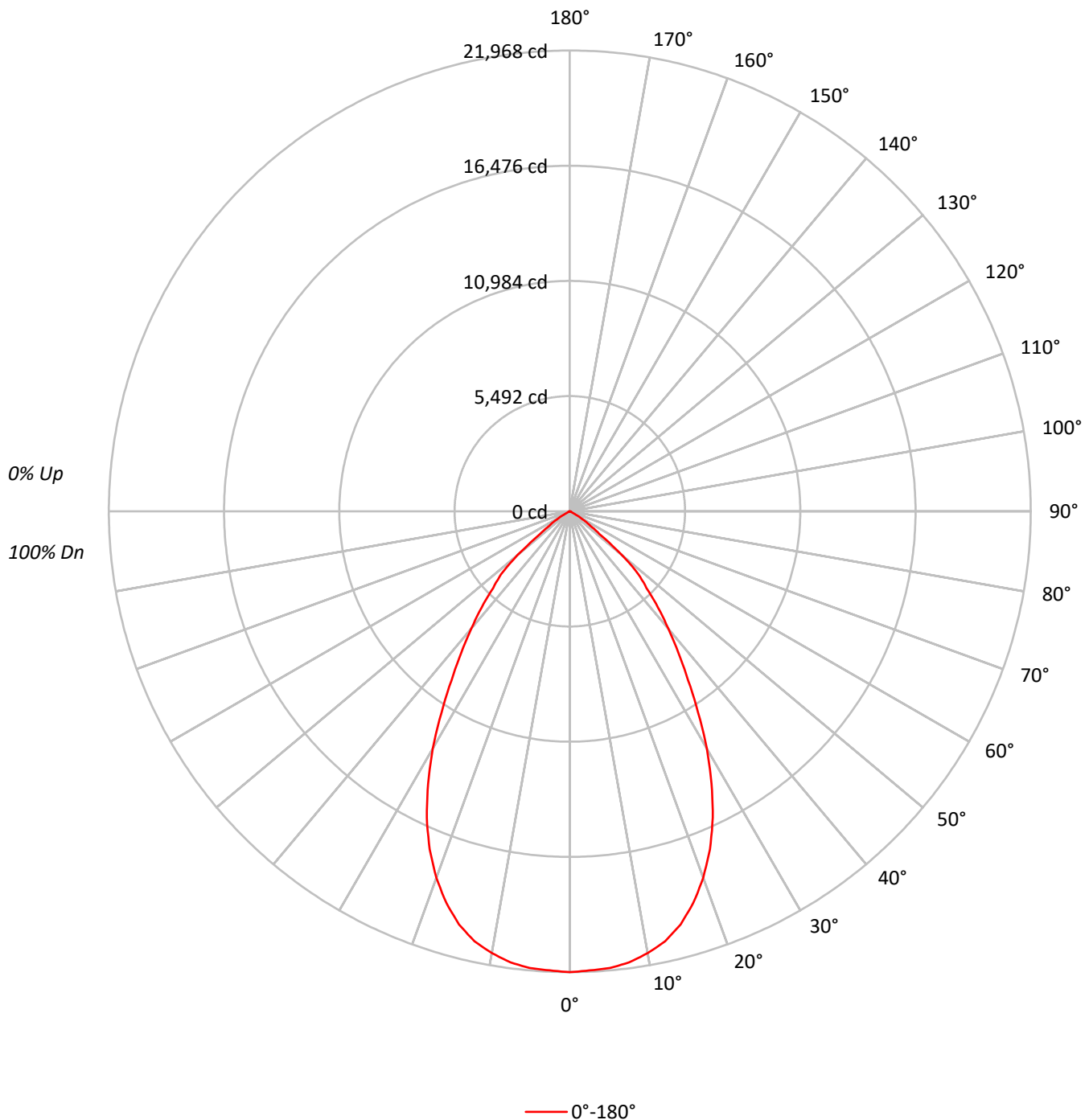
Lumens per Lamp: N/A
Luminaire Lumens: 26756.2 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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				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	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°	139961
5°	139759
10°	138322
15°	134493
20°	125984
25°	113333
30°	96054
35°	76461
40°	60647
45°	46566
50°	32215
55°	13235
60°	5673
65°	1296
70°	671
75°	687
80°	682
85°	680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46566 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2071.3	7.7
10°-20°	5695.5	21.3
20°-30°	7331.7	27.4
30°-40°	6193.4	23.1
40°-50°	4045.0	15.1
50°-60°	1239.2	4.6
60°-70°	140.7	0.5
70°-80°	29.3	0.1
80°-90°	10.1	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°	15098.6	56.4
0°-40°	21292.0	79.6
0°-60°	26576.2	99.3
0°-90°	26756.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26756.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21968	
5°	21853	###
15°	20390	5696
25°	16122	7332
35°	9831	6193
45°	5168	4045
55°	1192	1239
65°	86	141
75°	28	29
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	21967.9
2.5°	21905.1
5°	21852.8
7.5°	21691.2
10°	21380.8
12.5°	20993.7
15°	20390.4
17.5°	19576.7
20°	18581.7
22.5°	17441.3
25°	16121.9
27.5°	14628.2
30°	13056.6
32.5°	11387.3
35°	9830.8
37.5°	8494.0
40°	7292.0
42.5°	6221.4
45°	5168.2
47.5°	4441.7
50°	3250.2
52.5°	1778.5
55°	1191.5
57.5°	802.1
60°	445.2
62.5°	204.6
65°	86.0
67.5°	45.3
70°	36.0
72.5°	32.5
75°	27.9
77.5°	23.2
80°	18.6
82.5°	13.9
85°	9.3
87.5°	4.6
90°	0.0

(END OF REPORT)