

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: P1505315

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505315
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)
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-04-BLAK-PS (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

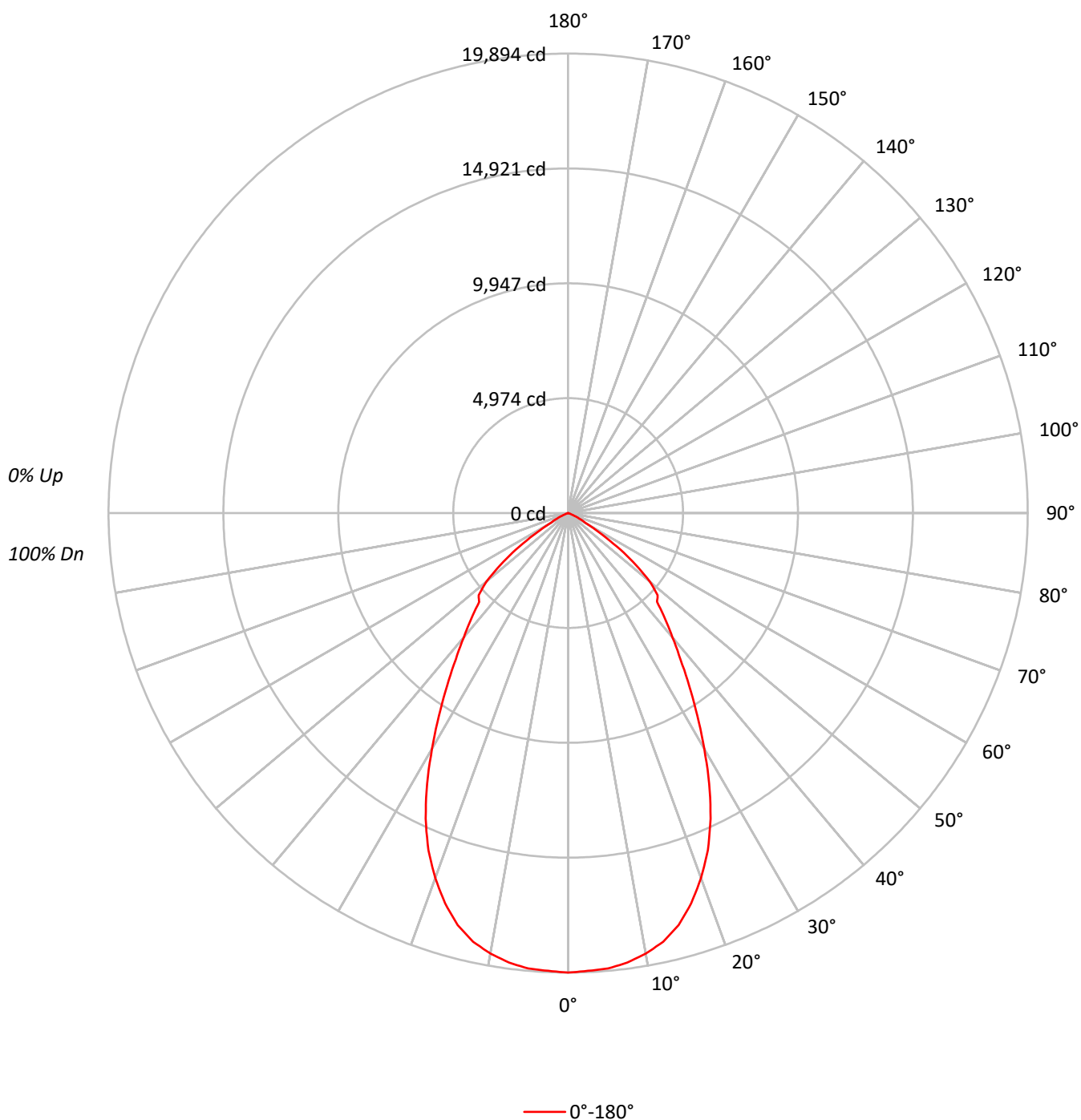
Lumens per Lamp: N/A
Luminaire Lumens: 26676.6 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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				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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47		
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	142476
5°	142313
10°	140819
15°	136929
20°	128179
25°	115313
30°	97413
35°	79799
40°	65697
45°	55101
50°	51295
55°	34565
60°	13461
65°	6714
70°	1751
75°	520
80°	602
85°	690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 55721 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1875.4	7.0
10°-20°	5156.3	19.3
20°-30°	6632.0	24.9
30°-40°	5740.7	21.5
40°-50°	4374.3	16.4
50°-60°	2430.5	9.1
60°-70°	426.8	1.6
70°-80°	32.1	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°	13663.6	51.2
0°-40°	19404.3	72.7
0°-60°	26209.1	98.2
0°-90°	26676.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26676.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19894	
5°	19795	###
15°	18468	5156
25°	14592	6632
35°	9127	5741
45°	5440	4374
55°	2768	2430
65°	396	427
75°	19	32
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19893.6
2.5°	19836.1
5°	19795.3
7.5°	19628.0
10°	19363.6
12.5°	19008.1
15°	18467.7
17.5°	17715.0
20°	16818.1
22.5°	15798.8
25°	14592.4
27.5°	13217.8
30°	11779.3
32.5°	10410.9
35°	9127.2
37.5°	7985.6
40°	7027.0
42.5°	6202.2
45°	5440.2
47.5°	5256.2
50°	4603.8
52.5°	3698.6
55°	2768.2
57.5°	1741.6
60°	939.8
62.5°	635.6
65°	396.2
67.5°	198.6
70°	83.6
72.5°	36.6
75°	18.8
77.5°	17.8
80°	14.6
82.5°	11.5
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)