

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: P1505333

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505333
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 (6500K_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

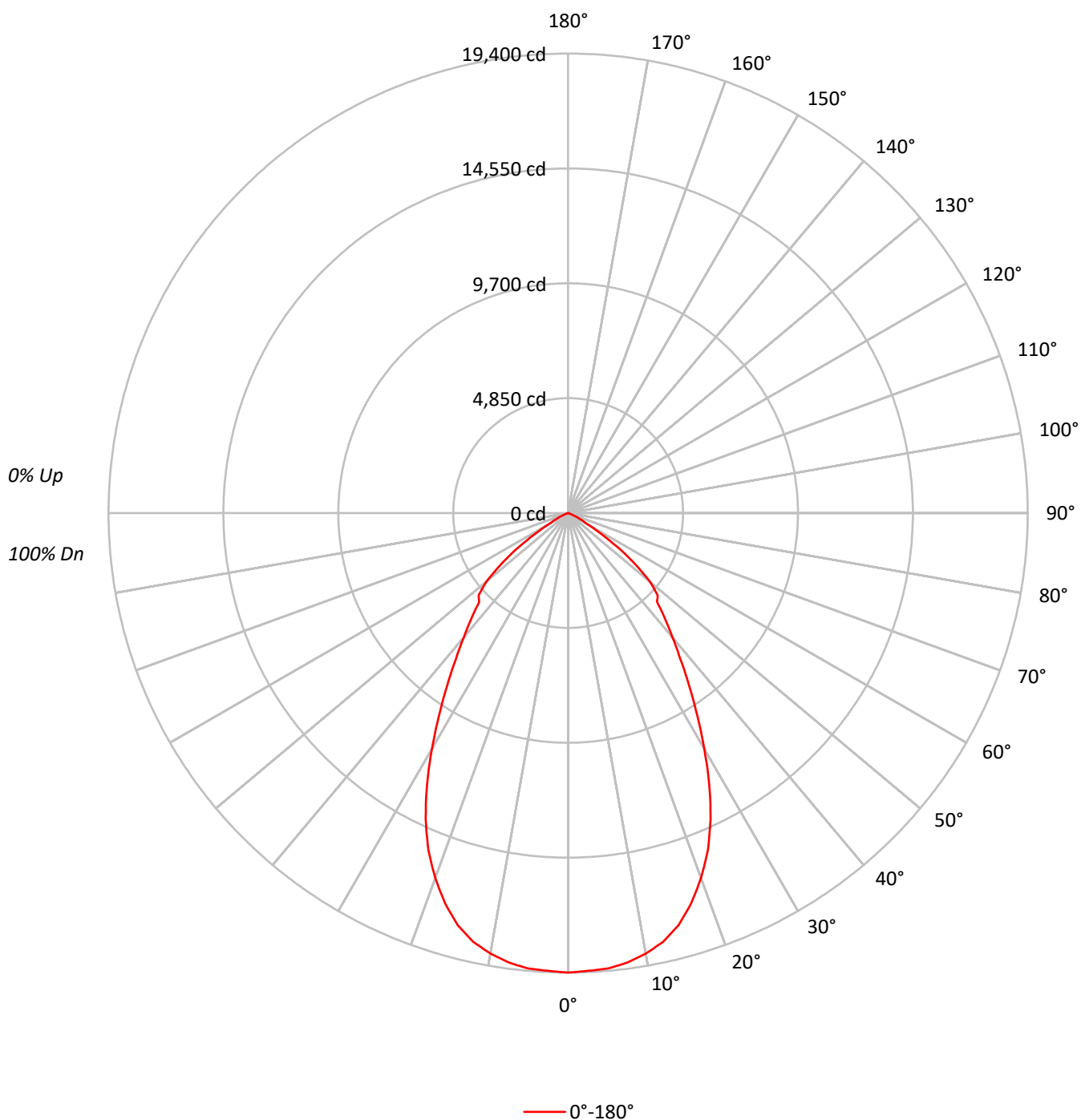
Lumens per Lamp: N/A
Luminaire Lumens: 26014.8 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	138940
5°	138782
10°	137325
15°	133532
20°	124999
25°	112452
30°	94996
35°	77820
40°	64067
45°	53733
50°	50023
55°	33707
60°	13128
65°	6548
70°	1709
75°	506
80°	590
85°	674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 54338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1828.8	7.0
10°-20°	5028.4	19.3
20°-30°	6467.5	24.9
30°-40°	5598.3	21.5
40°-50°	4265.8	16.4
50°-60°	2370.2	9.1
60°-70°	416.3	1.6
70°-80°	31.3	0.1
80°-90°	8.3	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°	13324.7	51.2
0°-40°	18922.9	72.7
0°-60°	25558.9	98.2
0°-90°	26014.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26014.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19400	
5°	19304	###
15°	18010	5028
25°	14230	6467
35°	8901	5598
45°	5305	4266
55°	2700	2370
65°	386	416
75°	18	31
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19400.0
2.5°	19344.0
5°	19304.2
7.5°	19141.1
10°	18883.2
12.5°	18536.6
15°	18009.5
17.5°	17275.5
20°	16400.8
22.5°	15406.9
25°	14230.4
27.5°	12889.9
30°	11487.1
32.5°	10152.6
35°	8900.8
37.5°	7787.5
40°	6852.7
42.5°	6048.4
45°	5305.2
47.5°	5125.8
50°	4489.6
52.5°	3606.8
55°	2699.5
57.5°	1698.4
60°	916.5
62.5°	619.8
65°	386.4
67.5°	193.7
70°	81.6
72.5°	35.7
75°	18.3
77.5°	17.3
80°	14.3
82.5°	11.2
85°	8.2
87.5°	4.1
90°	0.0

(END OF REPORT)