

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: P1505297

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505297
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 (3000K_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

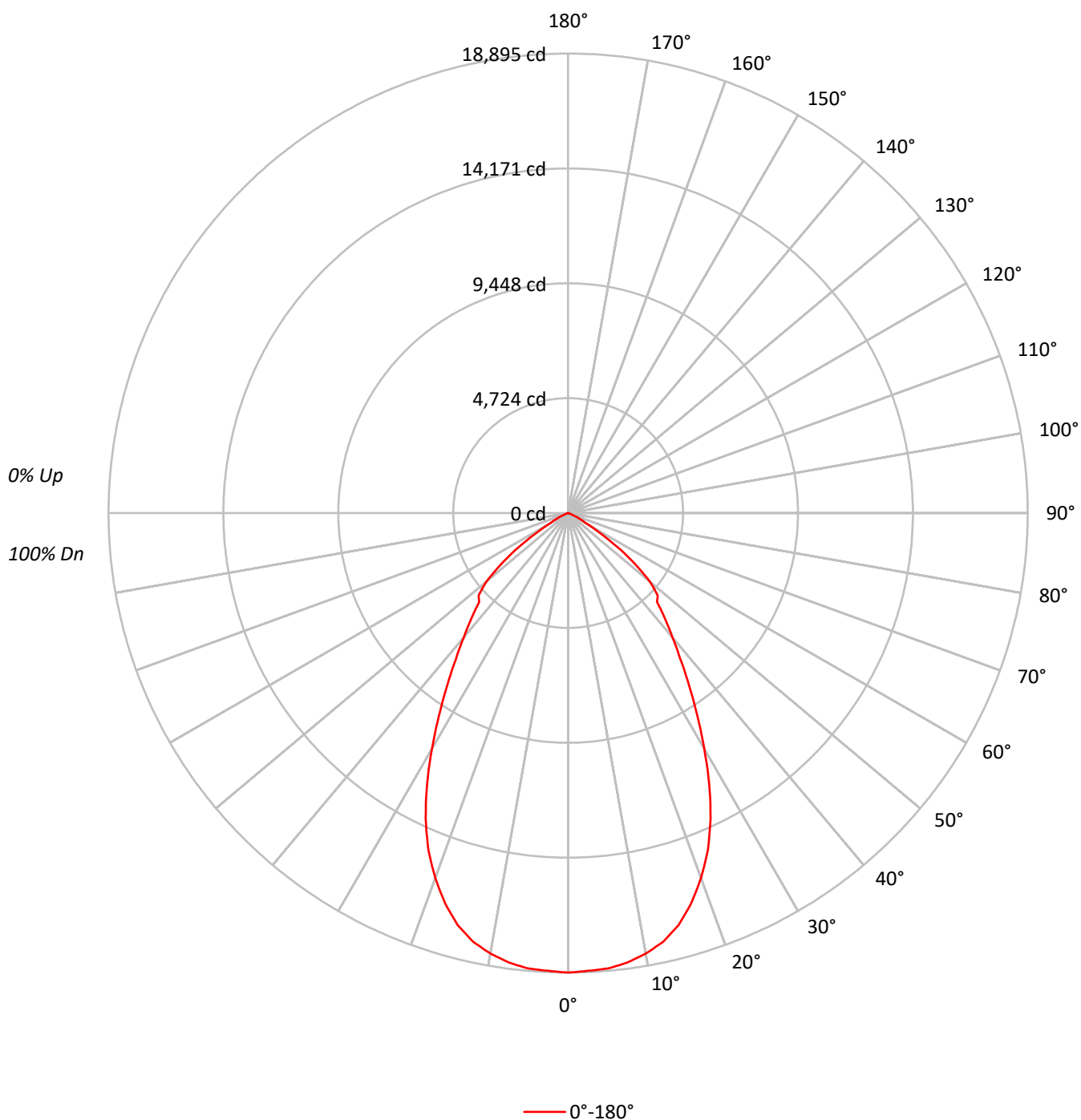
Lumens per Lamp: N/A
Luminaire Lumens: 25337.4 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	135323
5°	135169
10°	133750
15°	130055
20°	121744
25°	109525
30°	92523
35°	75793
40°	62399
45°	52335
50°	48720
55°	32829
60°	12785
65°	6377
70°	1663
75°	495
80°	573
85°	649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 52923 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1781.2	7.0
10°-20°	4897.4	19.3
20°-30°	6299.1	24.9
30°-40°	5452.5	21.5
40°-50°	4154.7	16.4
50°-60°	2308.5	9.1
60°-70°	405.4	1.6
70°-80°	30.5	0.1
80°-90°	8.1	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°	12977.7	51.2
0°-40°	18430.2	72.7
0°-60°	24893.4	98.2
0°-90°	25337.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25337.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18895	
5°	18802	###
15°	17541	4897
25°	13860	6299
35°	8669	5453
45°	5167	4155
55°	2629	2308
65°	376	405
75°	18	31
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18894.9
2.5°	18840.3
5°	18801.6
7.5°	18642.7
10°	18391.5
12.5°	18053.9
15°	17540.6
17.5°	16825.7
20°	15973.8
22.5°	15005.7
25°	13859.9
27.5°	12554.2
30°	11188.0
32.5°	9888.3
35°	8669.0
37.5°	7584.8
40°	6674.3
42.5°	5890.9
45°	5167.1
47.5°	4992.3
50°	4372.7
52.5°	3512.9
55°	2629.2
57.5°	1654.2
60°	892.6
62.5°	603.7
65°	376.3
67.5°	188.7
70°	79.4
72.5°	34.8
75°	17.9
77.5°	16.9
80°	13.9
82.5°	10.9
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)