

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: P1505321

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505321
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 (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

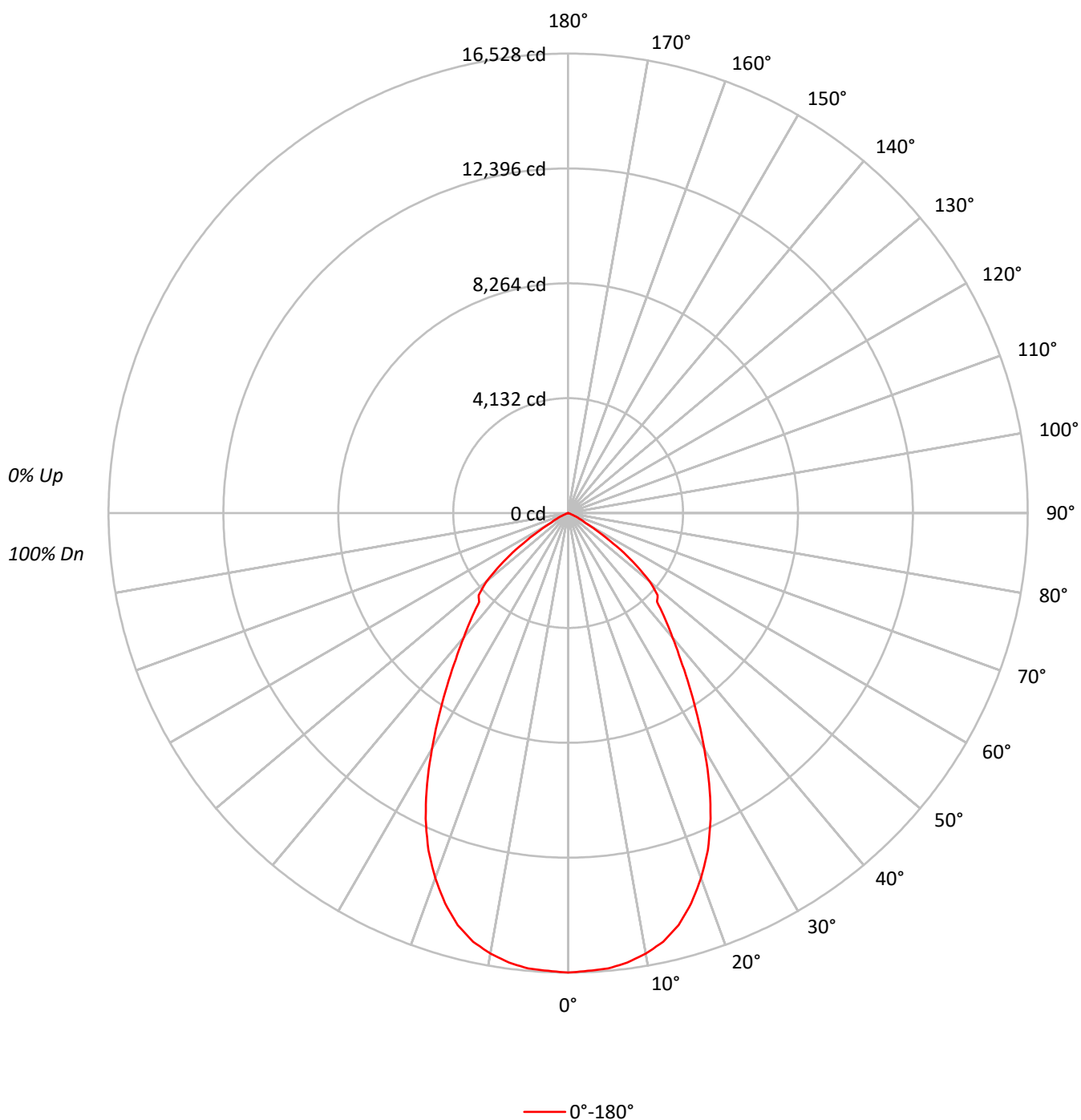
Lumens per Lamp: N/A
Luminaire Lumens: 22162.8 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	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°	118368
5°	118233
10°	116991
15°	113760
20°	106491
25°	95801
30°	80930
35°	66297
40°	54580
45°	45777
50°	42617
55°	28716
60°	11184
65°	5579
70°	1455
75°	432
80°	503
85°	567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 46292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1558.0	7.0
10°-20°	4283.8	19.3
20°-30°	5509.8	24.9
30°-40°	4769.3	21.5
40°-50°	3634.1	16.4
50°-60°	2019.2	9.1
60°-70°	354.6	1.6
70°-80°	26.7	0.1
80°-90°	7.1	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°	11351.7	51.2
0°-40°	16121.0	72.7
0°-60°	21774.3	98.2
0°-90°	22162.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22162.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16528	
5°	16446	###
15°	15343	4284
25°	12123	5510
35°	7583	4769
45°	4520	3634
55°	2300	2019
65°	329	355
75°	16	27
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16527.5
2.5°	16479.7
5°	16445.8
7.5°	16306.9
10°	16087.1
12.5°	15791.9
15°	15342.8
17.5°	14717.5
20°	13972.4
22.5°	13125.6
25°	12123.3
27.5°	10981.3
30°	9786.2
32.5°	8649.3
35°	7582.8
37.5°	6634.4
40°	5838.0
42.5°	5152.8
45°	4519.7
47.5°	4366.8
50°	3824.9
52.5°	3072.7
55°	2299.8
57.5°	1446.9
60°	780.8
62.5°	528.0
65°	329.2
67.5°	165.0
70°	69.5
72.5°	30.4
75°	15.6
77.5°	14.8
80°	12.2
82.5°	9.6
85°	6.9
87.5°	3.5
90°	0.0

(END OF REPORT)