

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: P1505293

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505293
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
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_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

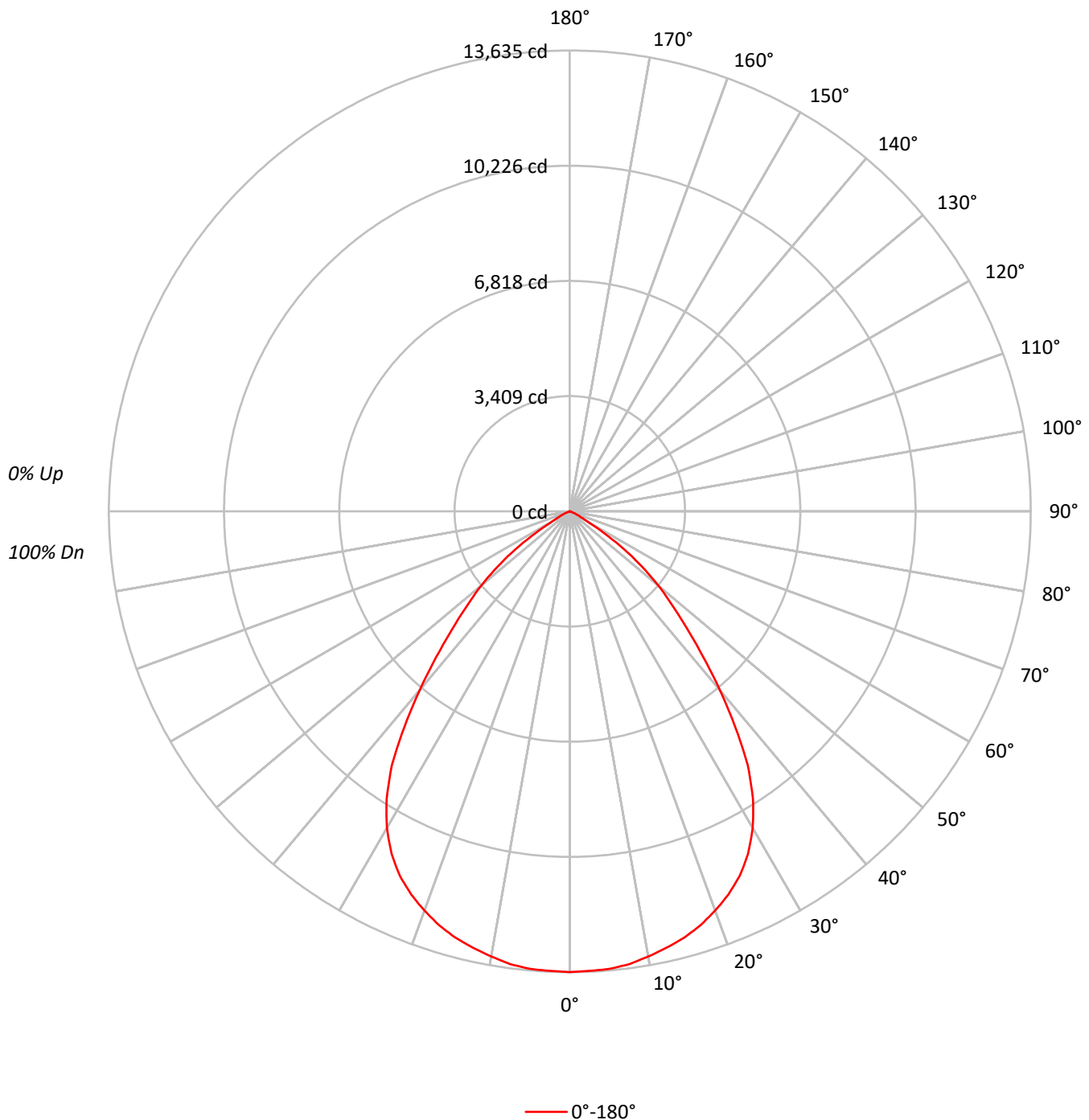
Lumens per Lamp: N/A
Luminaire Lumens: 21891.9 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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					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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97651
5°	97692
10°	97274
15°	96851
20°	95826
25°	94003
30°	89472
35°	80223
40°	64450
45°	49542
50°	37991
55°	24548
60°	7941
65°	3845
70°	1037
75°	412
80°	478
85°	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49542 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1290.3	5.9
10°-20°	3681.2	16.8
20°-30°	5447.6	24.9
30°-40°	5629.5	25.7
40°-50°	3830.1	17.5
50°-60°	1737.0	7.9
60°-70°	247.0	1.1
70°-80°	22.2	0.1
80°-90°	7.0	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°	10419.2	47.6
0°-40°	16048.7	73.3
0°-60°	21615.7	98.7
0°-90°	21891.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21891.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13635	
5°	13589	###
15°	13062	3681
25°	11896	5448
35°	9176	5630
45°	4891	3830
55°	1966	1737
65°	227	247
75°	15	22
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13634.8
2.5°	13609.3
5°	13588.6
7.5°	13512.7
10°	13375.8
12.5°	13225.6
15°	13062.3
17.5°	12843.7
20°	12573.1
22.5°	12267.0
25°	11895.7
27.5°	11420.5
30°	10819.1
32.5°	10087.3
35°	9175.7
37.5°	8037.2
40°	6893.7
42.5°	5836.9
45°	4891.4
47.5°	4092.8
50°	3409.7
52.5°	2698.6
55°	1966.0
57.5°	1208.6
60°	554.4
62.5°	360.5
65°	226.9
67.5°	118.8
70°	49.5
72.5°	24.8
75°	14.9
77.5°	14.0
80°	11.6
82.5°	9.1
85°	6.6
87.5°	4.1
90°	0.0

(END OF REPORT)