

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: P1505299

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505299
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_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

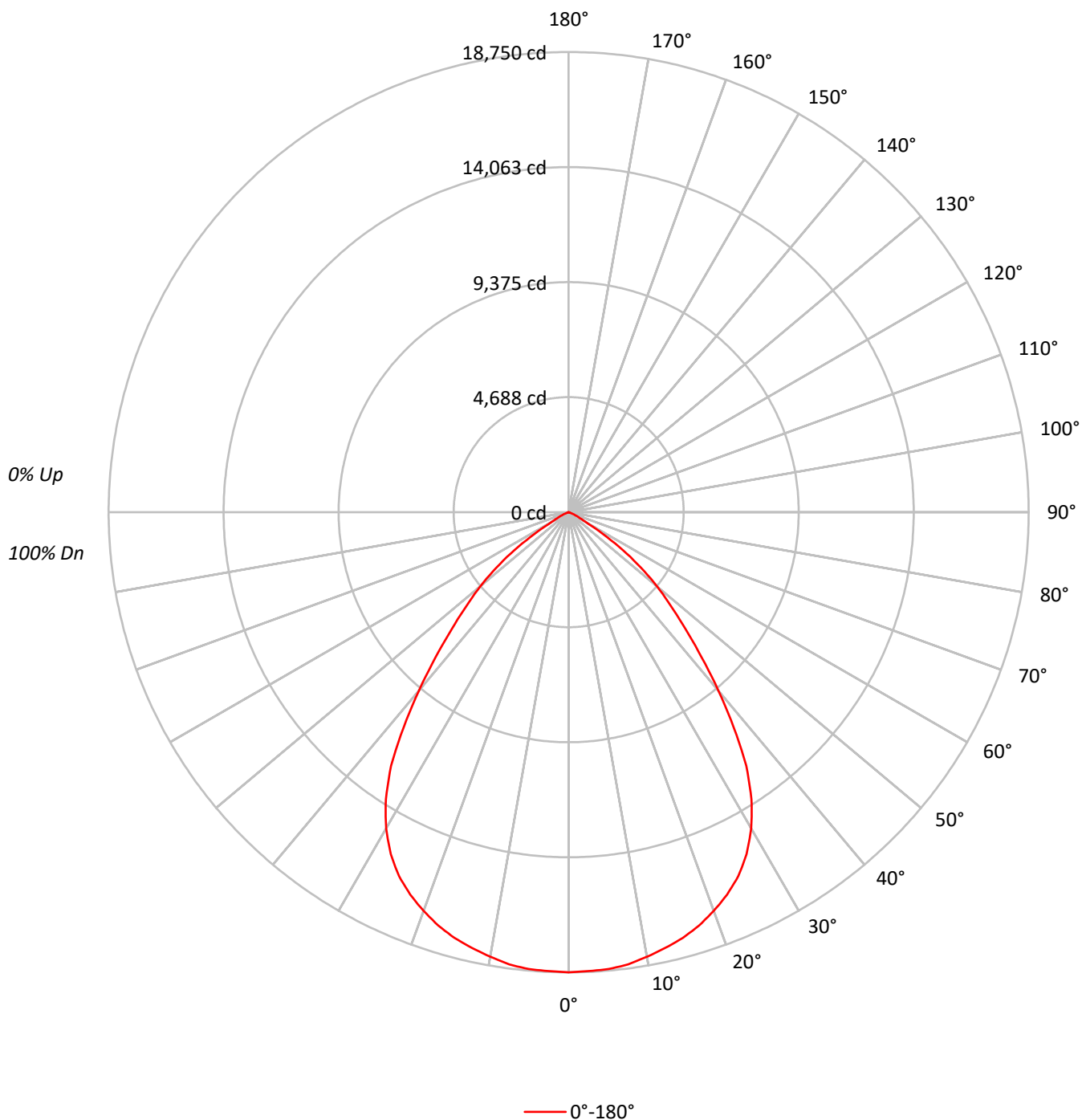
Lumens per Lamp: N/A
Luminaire Lumens: 30104.8 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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	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°	134285
5°	134342
10°	133766
15°	133185
20°	131775
25°	129269
30°	123038
35°	110320
40°	88630
45°	68129
50°	52243
55°	33757
60°	10920
65°	5287
70°	1426
75°	564
80°	656
85°	748

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1774.4	5.9
10°-20°	5062.3	16.8
20°-30°	7491.3	24.9
30°-40°	7741.5	25.7
40°-50°	5267.0	17.5
50°-60°	2388.6	7.9
60°-70°	339.7	1.1
70°-80°	30.4	0.1
80°-90°	9.6	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°	14328.0	47.6
0°-40°	22069.4	73.3
0°-60°	29725.0	98.7
0°-90°	30104.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30104.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18750	
5°	18686	###
15°	17963	5062
25°	16358	7491
35°	12618	7741
45°	6726	5267
55°	2704	2389
65°	312	340
75°	20	30
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18750.0
2.5°	18714.9
5°	18686.5
7.5°	18582.1
10°	18393.8
12.5°	18187.3
15°	17962.7
17.5°	17662.0
20°	17289.9
22.5°	16869.0
25°	16358.5
27.5°	15705.0
30°	14877.9
32.5°	13871.6
35°	12618.0
37.5°	11052.4
40°	9480.0
42.5°	8026.7
45°	6726.5
47.5°	5628.3
50°	4688.9
52.5°	3711.0
55°	2703.5
57.5°	1662.1
60°	762.4
62.5°	495.8
65°	312.0
67.5°	163.4
70°	68.1
72.5°	34.0
75°	20.4
77.5°	19.3
80°	15.9
82.5°	12.5
85°	9.1
87.5°	5.7
90°	0.0

(END OF REPORT)