

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: P1505301

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505301
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-93)
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_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

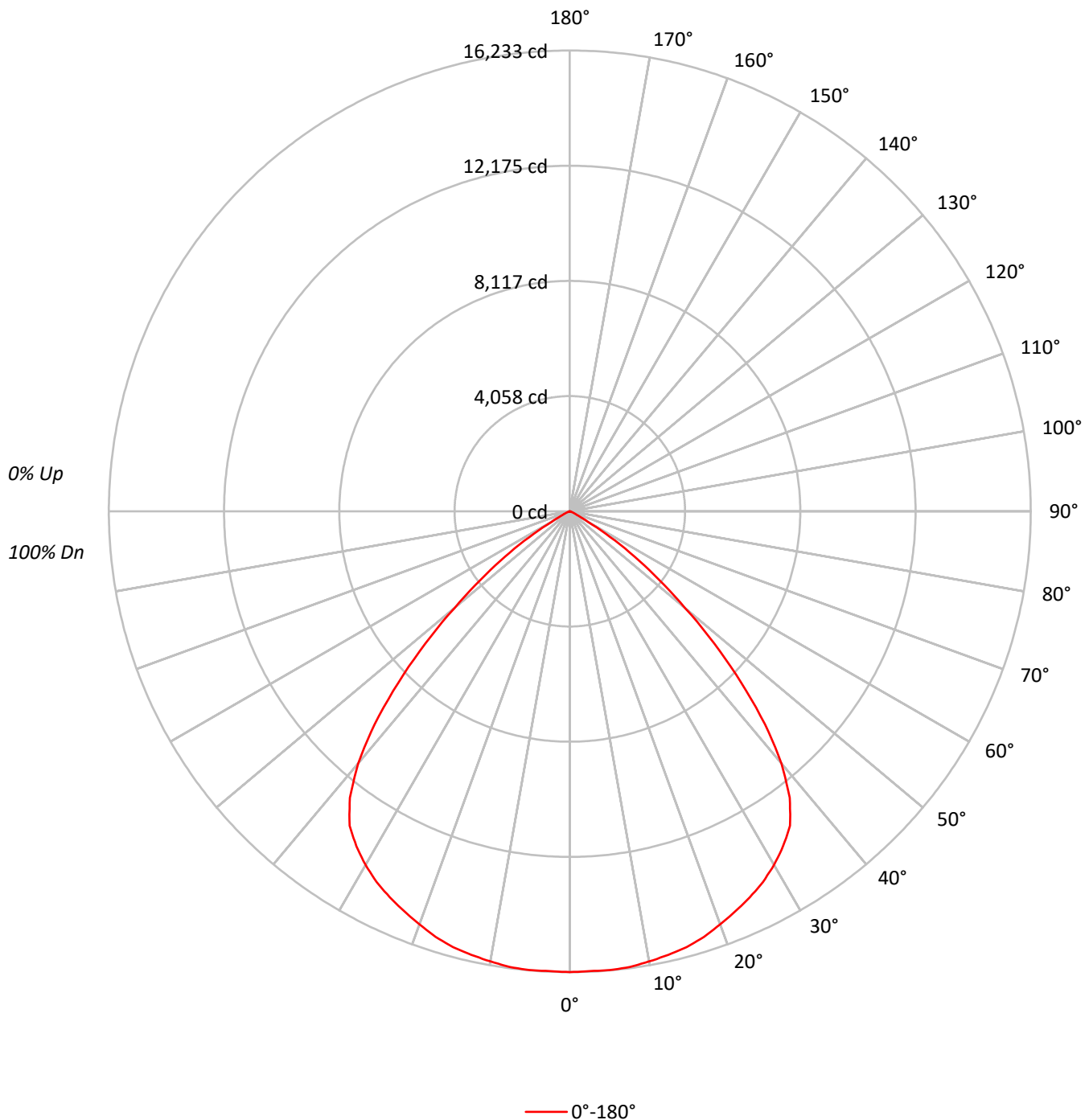
Lumens per Lamp: N/A
Luminaire Lumens: 30617.2 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116256
5°	116626
10°	117092
15°	117825
20°	117984
25°	118538
30°	118947
35°	118235
40°	108464
45°	86548
50°	59170
55°	34692
60°	10531
65°	3327
70°	1141
75°	692
80°	841
85°	1027

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1544.6	5.0
10°-20°	4484.6	14.6
20°-30°	6917.0	22.6
30°-40°	8324.9	27.2
40°-50°	6529.7	21.3
50°-60°	2523.2	8.2
60°-70°	248.8	0.8
70°-80°	31.7	0.1
80°-90°	12.7	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°	12946.2	42.3
0°-40°	21271.1	69.5
0°-60°	30324.0	99.0
0°-90°	30617.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30617.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16233	
5°	16222	###
15°	15891	4485
25°	15000	6917
35°	13523	8325
45°	8545	6530
55°	2778	2523
65°	196	249
75°	25	32
85°	12	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16232.6
2.5°	16209.9
5°	16222.3
7.5°	16188.3
10°	16101.0
12.5°	16003.4
15°	15891.1
17.5°	15718.6
20°	15480.4
22.5°	15245.5
25°	15000.5
27.5°	14723.7
30°	14383.3
32.5°	13984.0
35°	13523.3
37.5°	12716.7
40°	11601.5
42.5°	10173.1
45°	8545.1
47.5°	6900.1
50°	5310.6
52.5°	3937.9
55°	2778.4
57.5°	1684.7
60°	735.2
62.5°	319.9
65°	196.3
67.5°	106.6
70°	54.5
72.5°	35.2
75°	25.0
77.5°	22.7
80°	20.4
82.5°	17.0
85°	12.5
87.5°	6.8
90°	0.0

(END OF REPORT)