

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: P1505328

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505328
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 (5000K_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

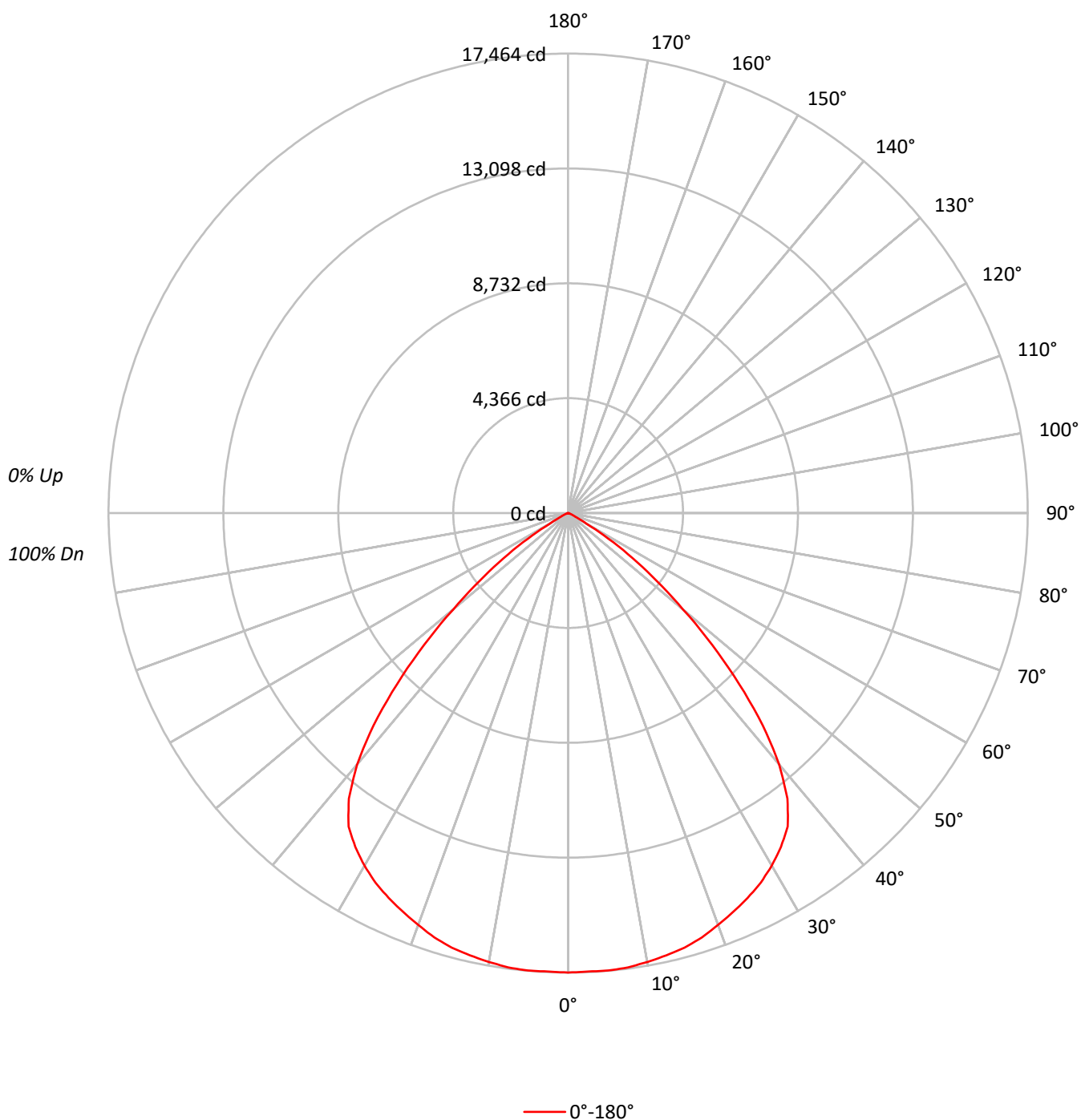
Lumens per Lamp: N/A
Luminaire Lumens: 32940.8 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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°	125079
5°	125477
10°	125978
15°	126767
20°	126938
25°	127534
30°	127975
35°	127209
40°	116695
45°	93117
50°	63661
55°	37325
60°	11330
65°	3579
70°	1227
75°	744
80°	907
85°	1101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 93117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1661.9	5.0
10°-20°	4824.9	14.6
20°-30°	7442.0	22.6
30°-40°	8956.7	27.2
40°-50°	7025.2	21.3
50°-60°	2714.8	8.2
60°-70°	267.7	0.8
70°-80°	34.1	0.1
80°-90°	13.6	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°	13928.7	42.3
0°-40°	22885.4	69.5
0°-60°	32625.3	99.0
0°-90°	32940.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32940.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17464	
5°	17454	###
15°	17097	4825
25°	16139	7442
35°	14550	8957
45°	9194	7025
55°	2989	2715
65°	211	268
75°	27	34
85°	13	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17464.5
2.5°	17440.1
5°	17453.5
7.5°	17416.9
10°	17322.9
12.5°	17217.9
15°	17097.1
17.5°	16911.5
20°	16655.2
22.5°	16402.5
25°	16138.9
27.5°	15841.1
30°	15474.9
32.5°	15045.2
35°	14549.7
37.5°	13681.8
40°	12481.9
42.5°	10945.2
45°	9193.6
47.5°	7423.7
50°	5713.7
52.5°	4236.7
55°	2989.3
57.5°	1812.6
60°	791.0
62.5°	344.2
65°	211.2
67.5°	114.7
70°	58.6
72.5°	37.8
75°	26.9
77.5°	24.4
80°	22.0
82.5°	18.3
85°	13.4
87.5°	7.3
90°	0.0

(END OF REPORT)