

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: P1505319

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505319
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 (4000K_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

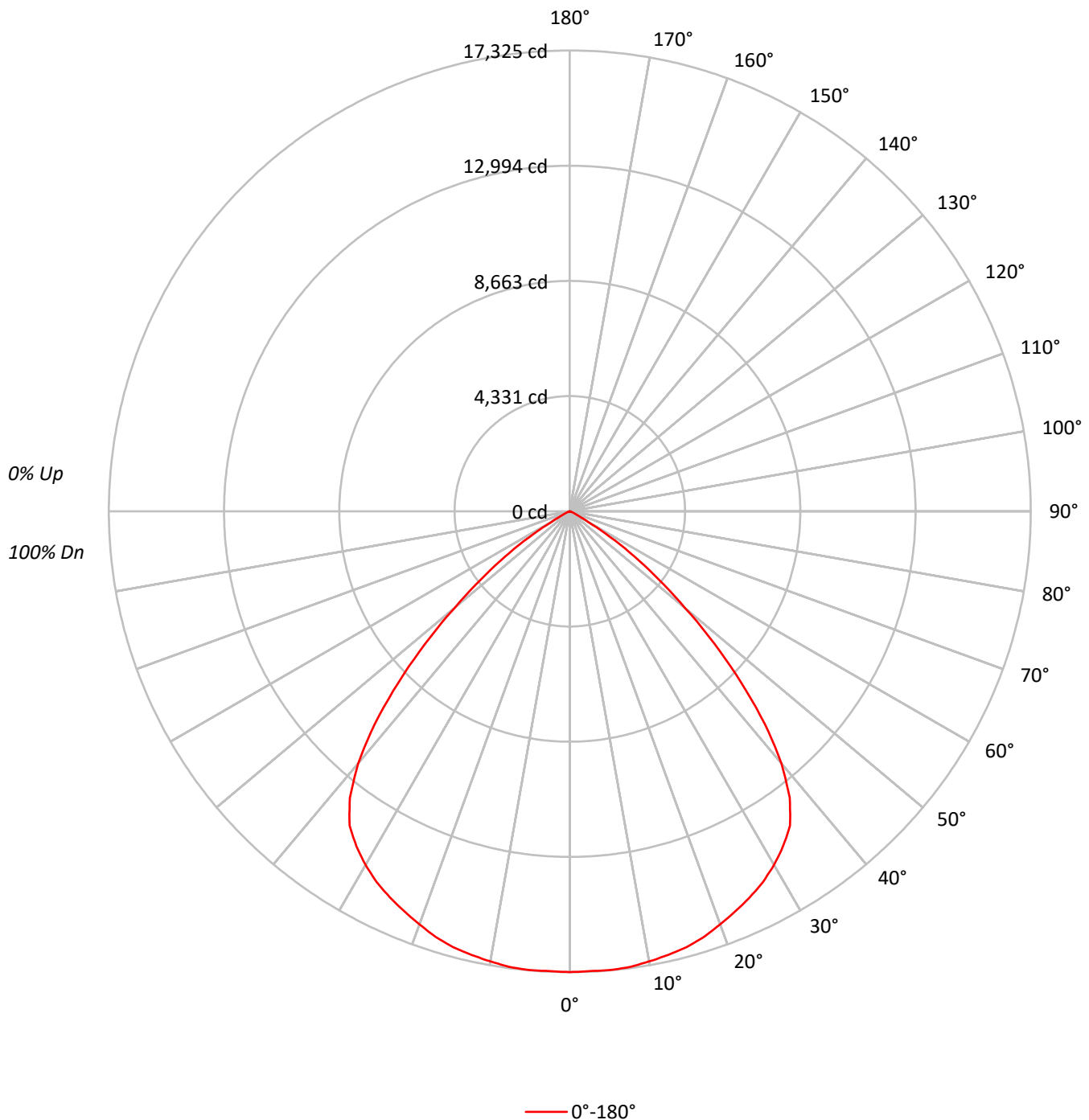
Lumens per Lamp: N/A
Luminaire Lumens: 32677.9 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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°	124080
5°	124476
10°	124973
15°	125755
20°	125925
25°	126516
30°	126953
35°	126194
40°	115764
45°	92374
50°	63153
55°	37027
60°	11238
65°	3550
70°	1217
75°	736
80°	899
85°	1093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1648.6	5.0
10°-20°	4786.4	14.6
20°-30°	7382.6	22.6
30°-40°	8885.2	27.2
40°-50°	6969.2	21.3
50°-60°	2693.1	8.2
60°-70°	265.6	0.8
70°-80°	33.8	0.1
80°-90°	13.5	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°	13817.6	42.3
0°-40°	22702.8	69.5
0°-60°	32365.0	99.0
0°-90°	32677.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32677.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17325	
5°	17314	###
15°	16961	4786
25°	16010	7383
35°	14434	8885
45°	9120	6969
55°	2965	2693
65°	210	266
75°	27	34
85°	13	14
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17325.1
2.5°	17300.9
5°	17314.2
7.5°	17277.9
10°	17184.6
12.5°	17080.5
15°	16960.6
17.5°	16776.6
20°	16522.3
22.5°	16271.7
25°	16010.1
27.5°	15714.7
30°	15351.4
32.5°	14925.2
35°	14433.6
37.5°	13572.6
40°	12382.3
42.5°	10857.9
45°	9120.3
47.5°	7364.5
50°	5668.1
52.5°	4202.9
55°	2965.4
57.5°	1798.1
60°	784.6
62.5°	341.5
65°	209.5
67.5°	113.8
70°	58.1
72.5°	37.5
75°	26.6
77.5°	24.2
80°	21.8
82.5°	18.2
85°	13.3
87.5°	7.3
90°	0.0

(END OF REPORT)