

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: P1505507

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505507
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-115)
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-06-BLAK-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

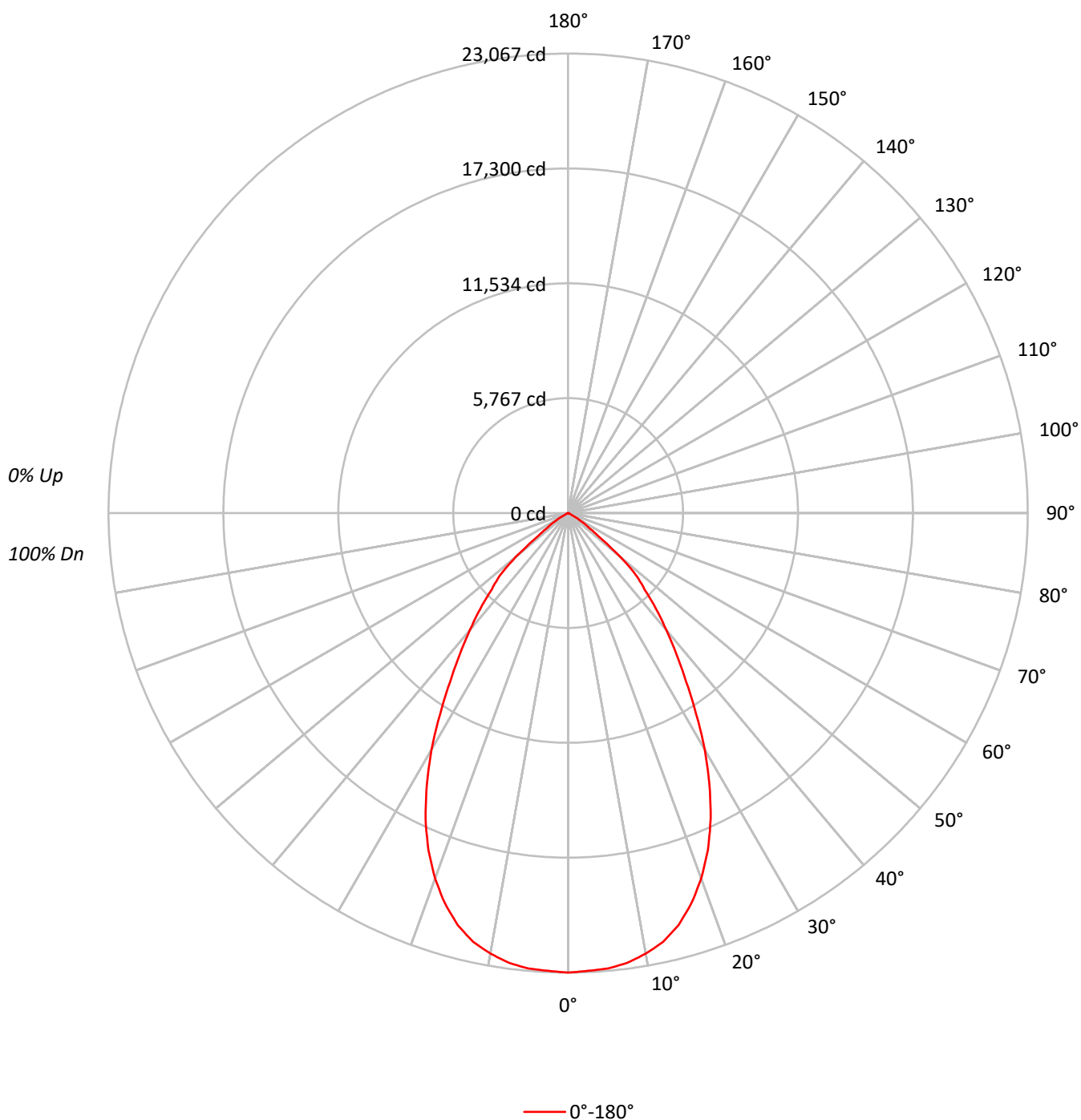
Lumens per Lamp: N/A
Luminaire Lumens: 28095.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92							
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84							
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77							
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70							
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64							
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59							
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54							
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50							
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46							
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146964
5°	146752
10°	145243
15°	141223
20°	132288
25°	119004
30°	100860
35°	80287
40°	63682
45°	48896
50°	33827
55°	13897
60°	5957
65°	1361
70°	704
75°	721
80°	715
85°	716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48896 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2175.0	7.7
10°-20°	5980.5	21.3
20°-30°	7698.6	27.4
30°-40°	6503.3	23.1
40°-50°	4247.4	15.1
50°-60°	1301.2	4.6
60°-70°	147.7	0.5
70°-80°	30.8	0.1
80°-90°	10.6	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°	15854.0	56.4
0°-40°	22357.4	79.6
0°-60°	27906.0	99.3
0°-90°	28095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28095.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23067	
5°	22946	###
15°	21411	5981
25°	16929	7699
35°	10323	6503
45°	5427	4247
55°	1251	1301
65°	90	148
75°	29	31
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	23067.1
2.5°	23001.1
5°	22946.2
7.5°	22776.6
10°	22450.7
12.5°	22044.2
15°	21410.7
17.5°	20556.3
20°	19511.4
22.5°	18314.0
25°	16928.6
27.5°	15360.1
30°	13709.9
32.5°	11957.1
35°	10322.7
37.5°	8919.0
40°	7656.9
42.5°	6532.7
45°	5426.8
47.5°	4663.9
50°	3412.8
52.5°	1867.5
55°	1251.1
57.5°	842.2
60°	467.5
62.5°	214.8
65°	90.3
67.5°	47.6
70°	37.8
72.5°	34.2
75°	29.3
77.5°	24.4
80°	19.5
82.5°	14.6
85°	9.8
87.5°	4.9
90°	0.0

(END OF REPORT)