

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: P1505513

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505513
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 (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

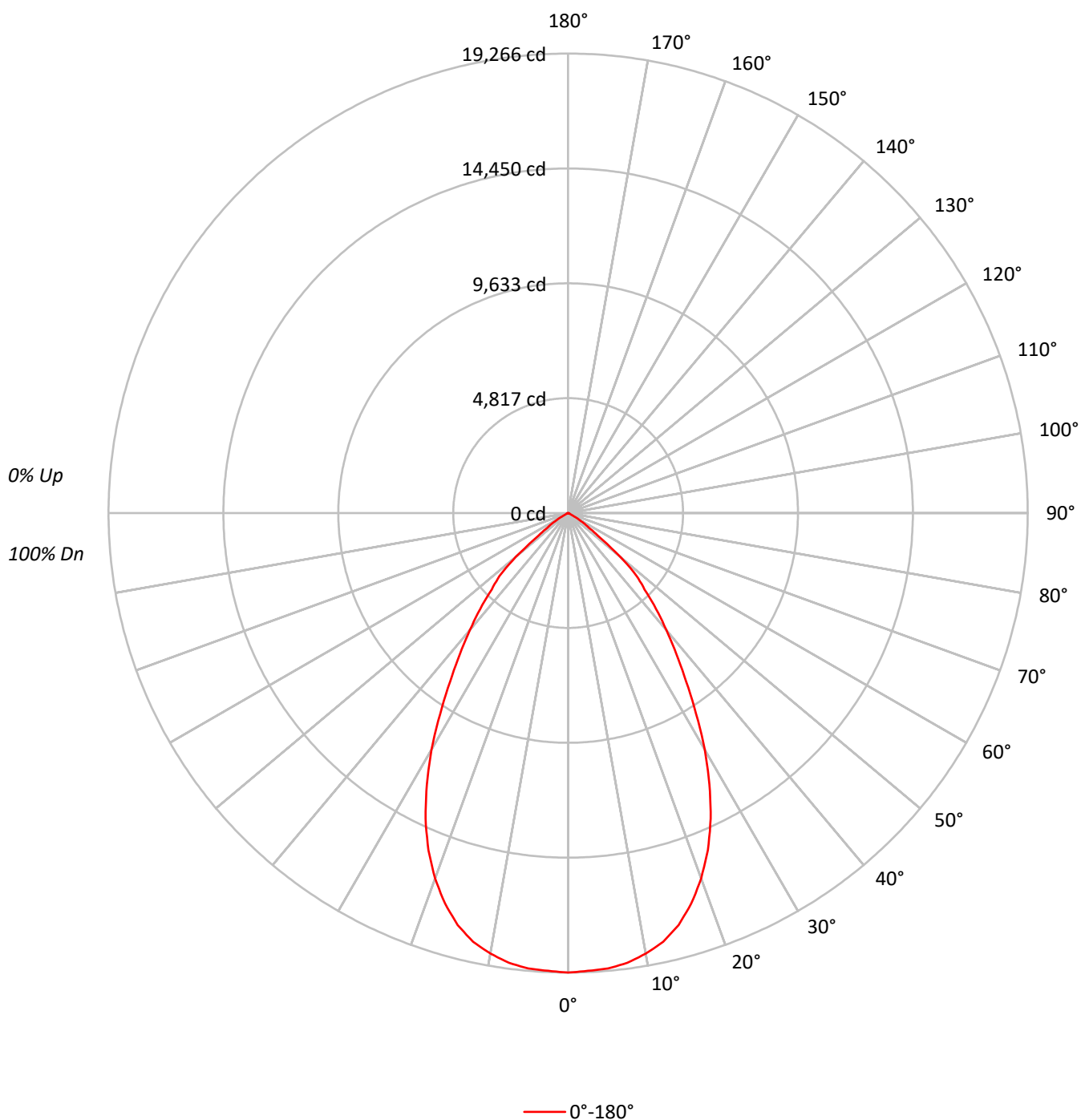
Lumens per Lamp: N/A
Luminaire Lumens: 23464.9 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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°	122743
5°	122566
10°	121306
15°	117948
20°	110486
25°	99392
30°	84238
35°	67055
40°	53187
45°	40839
50°	28252
55°	11606
60°	4975
65°	1137
70°	589
75°	603
80°	598
85°	599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1816.5	7.7
10°-20°	4994.9	21.3
20°-30°	6429.8	27.4
30°-40°	5431.5	23.1
40°-50°	3547.4	15.1
50°-60°	1086.8	4.6
60°-70°	123.4	0.5
70°-80°	25.7	0.1
80°-90°	8.9	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°	13241.2	56.4
0°-40°	18672.7	79.6
0°-60°	23306.9	99.3
0°-90°	23464.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23464.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19266	
5°	19164	###
15°	17882	4995
25°	14139	6430
35°	8621	5432
45°	4532	3547
55°	1045	1087
65°	75	123
75°	24	26
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19265.5
2.5°	19210.4
5°	19164.5
7.5°	19022.8
10°	18750.6
12.5°	18411.2
15°	17882.1
17.5°	17168.5
20°	16295.8
22.5°	15295.7
25°	14138.7
27.5°	12828.7
30°	11450.4
32.5°	9986.5
35°	8621.4
37.5°	7449.1
40°	6395.0
42.5°	5456.1
45°	4532.5
47.5°	3895.3
50°	2850.4
52.5°	1559.8
55°	1044.9
57.5°	703.4
60°	390.4
62.5°	179.4
65°	75.4
67.5°	39.8
70°	31.6
72.5°	28.5
75°	24.5
77.5°	20.4
80°	16.3
82.5°	12.2
85°	8.2
87.5°	4.1
90°	0.0

(END OF REPORT)