

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: P1505511

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505511
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-117)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

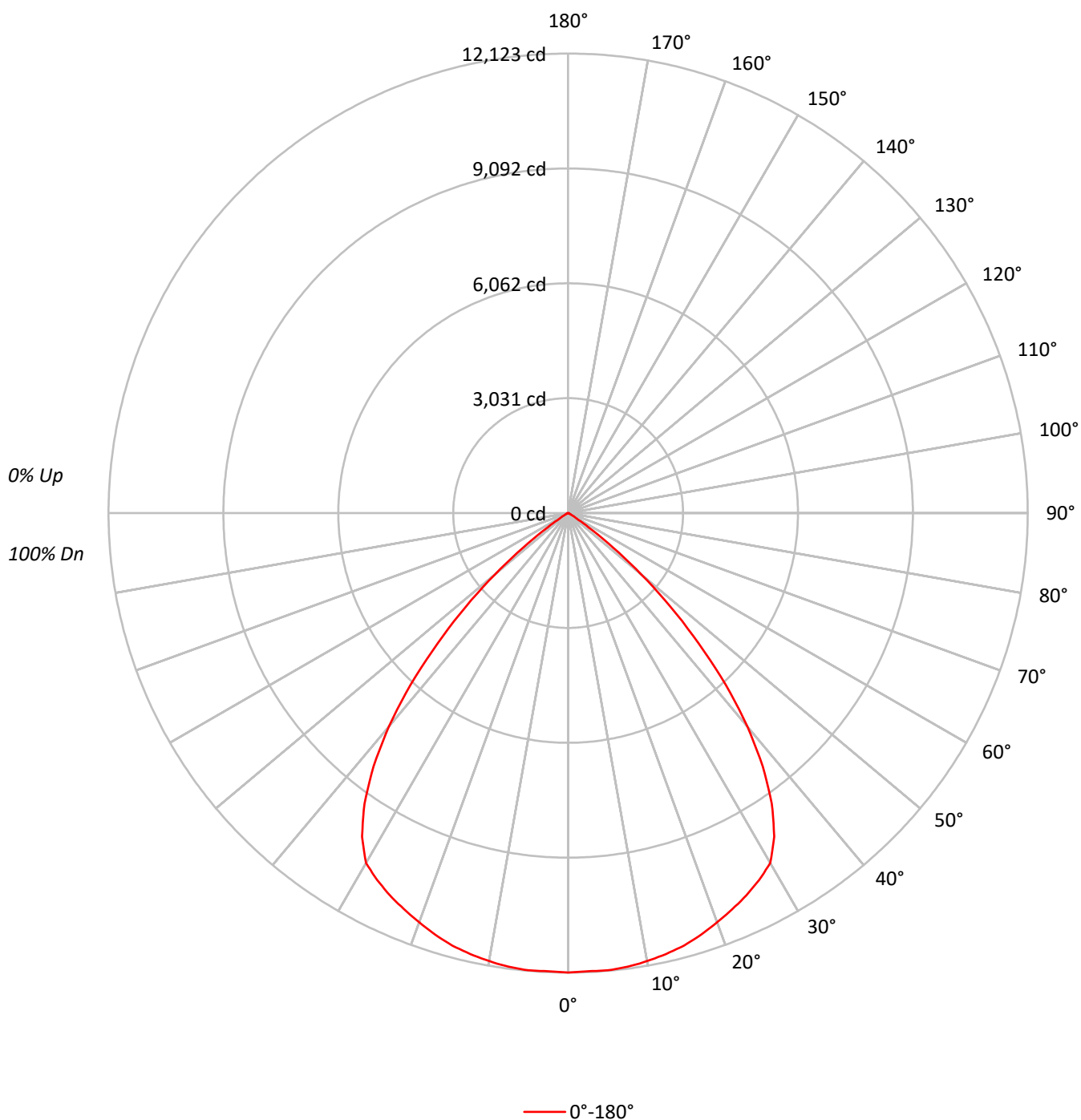
Lumens per Lamp: N/A
Luminaire Lumens: 20040.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.22
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92							
2	106	100	95	91	103	98	94	90	95	92	88	92	89	87	89	87	85	83							
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75							
4	93	84	77	72	91	83	77	72	81	75	71	78	74	70	76	73	69	68							
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61							
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56							
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51							
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46							
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43							
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77237
5°	77435
10°	77656
15°	77917
20°	77897
25°	78222
30°	78433
35°	72817
40°	61154
45°	43857
50°	25030
55°	7191
60°	1846
65°	791
70°	646
75°	689
80°	715
85°	680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1152.3	5.7
10°-20°	3333.1	16.6
20°-30°	5129.7	25.6
30°-40°	5757.1	28.7
40°-50°	3747.2	18.7
50°-60°	816.0	4.1
60°-70°	65.4	0.3
70°-80°	29.1	0.1
80°-90°	10.5	0.1
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°	9615.1	48.0
0°-40°	15372.2	76.7
0°-60°	19935.5	99.5
0°-90°	20040.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20040.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12123	
5°	12108	###
15°	11813	3333
25°	11127	5130
35°	9362	5757
45°	4868	3747
55°	647	816
65°	52	65
75°	28	29
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12123.0
2.5°	12100.2
5°	12107.8
7.5°	12073.1
10°	12003.6
12.5°	11916.3
15°	11812.9
17.5°	11662.1
20°	11489.2
22.5°	11312.9
25°	11127.3
27.5°	10910.4
30°	10661.3
32.5°	10117.2
35°	9362.2
37.5°	8430.9
40°	7353.0
42.5°	6153.9
45°	4867.5
47.5°	3660.8
50°	2525.3
52.5°	1498.2
55°	647.4
57.5°	250.8
60°	144.9
62.5°	83.9
65°	52.5
67.5°	39.8
70°	34.7
72.5°	31.4
75°	28.0
77.5°	23.7
80°	19.5
82.5°	14.4
85°	9.3
87.5°	5.1
90°	0.0

(END OF REPORT)