

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: P1505124

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505124
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-105)
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-A-06-BLAK-PS (3500K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

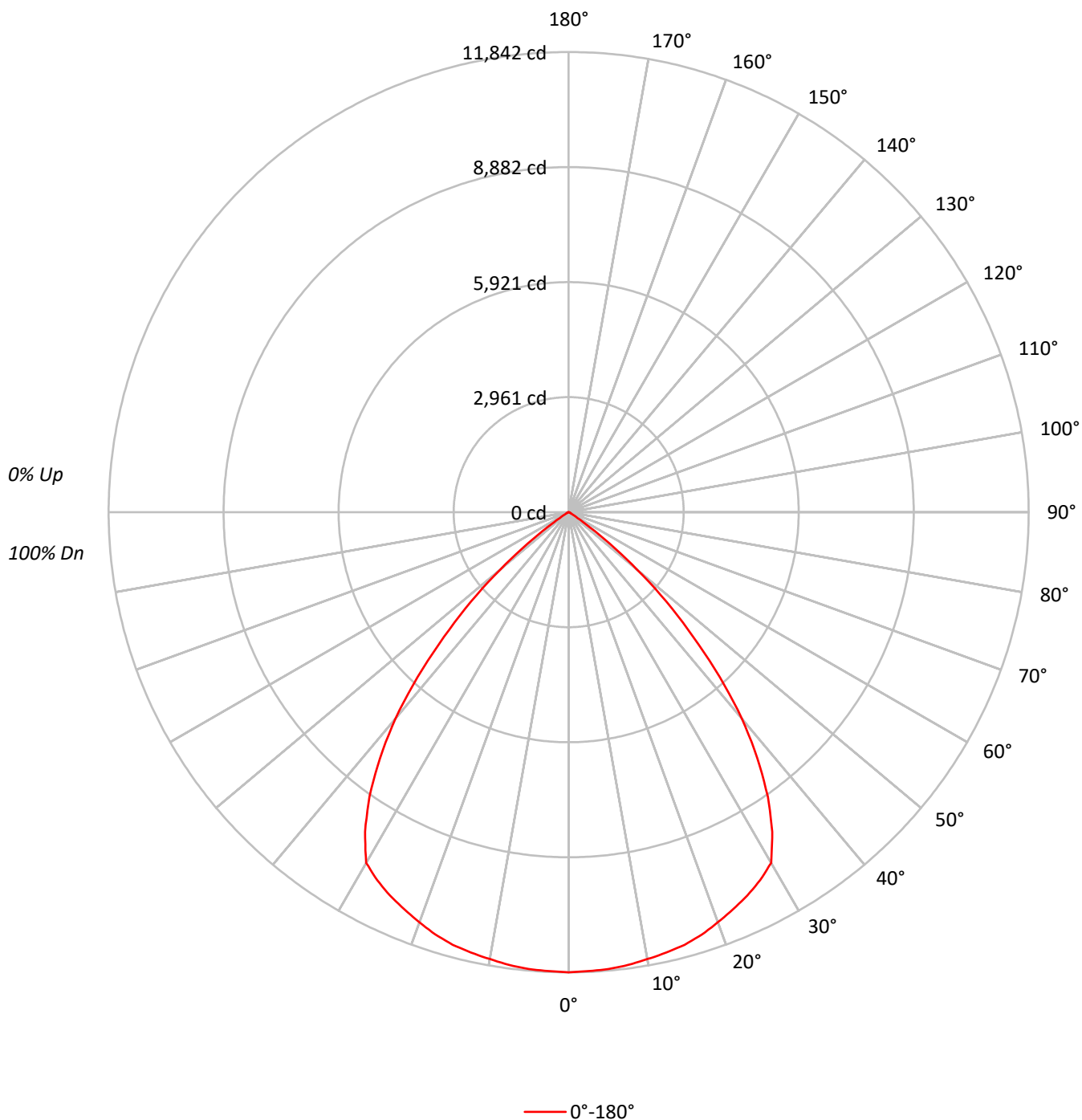
Lumens per Lamp: N/A
Luminaire Lumens: 19210.9 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.21
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	
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	94	92			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62			
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47			
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	46	42	63	52	46	41	51	45	41	50	45	41	50	45	41	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79000
5°	79046
10°	79105
15°	79601
20°	79737
25°	80113
30°	80271
35°	72766
40°	60396
45°	42782
50°	23906
55°	5940
60°	1696
65°	747
70°	632
75°	727
80°	799
85°	765

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1122.6	5.8
10°-20°	3252.6	16.9
20°-30°	5016.8	26.1
30°-40°	5508.5	28.7
40°-50°	3498.0	18.2
50°-60°	714.4	3.7
60°-70°	57.8	0.3
70°-80°	29.2	0.2
80°-90°	11.2	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°	9391.9	48.9
0°-40°	14900.5	77.6
0°-60°	19112.8	99.5
0°-90°	19210.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19210.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11842	
5°	11804	###
15°	11526	3253
25°	10884	5017
35°	8935	5509
45°	4535	3498
55°	511	714
65°	47	58
75°	28	29
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11842.4
2.5°	11819.2
5°	11804.2
7.5°	11751.9
10°	11678.0
12.5°	11608.2
15°	11526.0
17.5°	11396.5
20°	11232.1
22.5°	11060.2
25°	10884.1
27.5°	10676.5
30°	10420.8
32.5°	9753.9
35°	8935.2
37.5°	7981.0
40°	6935.5
42.5°	5757.2
45°	4534.8
47.5°	3409.6
50°	2303.5
52.5°	1328.6
55°	510.7
57.5°	215.1
60°	127.1
62.5°	72.2
65°	47.3
67.5°	35.7
70°	32.4
72.5°	30.7
75°	28.2
77.5°	24.9
80°	20.8
82.5°	15.8
85°	10.0
87.5°	5.0
90°	0.0

(END OF REPORT)