

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: P1505123

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505123
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

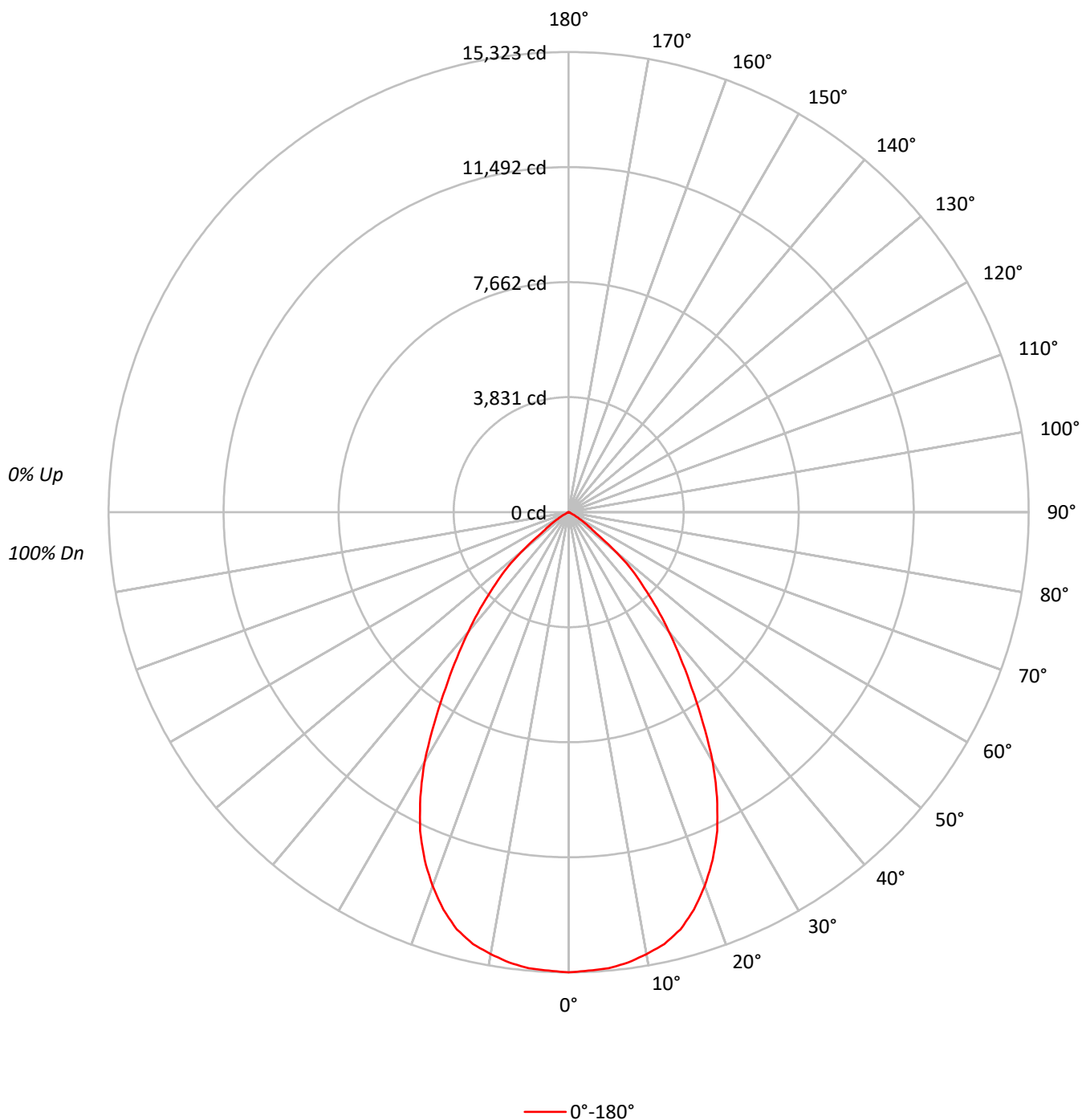
Lumens per Lamp: N/A
Luminaire Lumens: 18951.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	0		
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	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77		
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70		
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64		
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59		
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54		
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47		
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102216
5°	102073
10°	101211
15°	99336
20°	94038
25°	86134
30°	73919
35°	58144
40°	45160
45°	33562
50°	21631
55°	9126
60°	3689
65°	852
70°	501
75°	536
80°	572
85°	574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33562 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1445.3	7.6
10°-20°	4020.4	21.2
20°-30°	5314.3	28.0
30°-40°	4493.2	23.7
40°-50°	2764.7	14.6
50°-60°	794.9	4.2
60°-70°	88.4	0.5
70°-80°	21.6	0.1
80°-90°	8.2	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°	10780.0	56.9
0°-40°	15273.3	80.6
0°-60°	18832.9	99.4
0°-90°	18951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18951.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15323	
5°	15243	###
15°	14384	4020
25°	11702	5314
35°	7140	4493
45°	3558	2765
55°	785	795
65°	54	88
75°	21	22
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15322.6
2.5°	15278.6
5°	15242.9
7.5°	15127.5
10°	14941.5
12.5°	14727.2
15°	14383.5
17.5°	13873.6
20°	13246.6
22.5°	12531.7
25°	11702.1
27.5°	10698.1
30°	9596.2
32.5°	8319.8
35°	7139.8
37.5°	6104.3
40°	5185.9
42.5°	4357.1
45°	3557.5
47.5°	2895.6
50°	2084.3
52.5°	1124.4
55°	784.7
57.5°	514.9
60°	276.5
62.5°	127.1
65°	54.0
67.5°	29.9
70°	25.7
72.5°	23.3
75°	20.8
77.5°	17.4
80°	14.9
82.5°	10.8
85°	7.5
87.5°	4.2
90°	0.0

(END OF REPORT)