

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: P1505114

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505114
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 (3000K_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

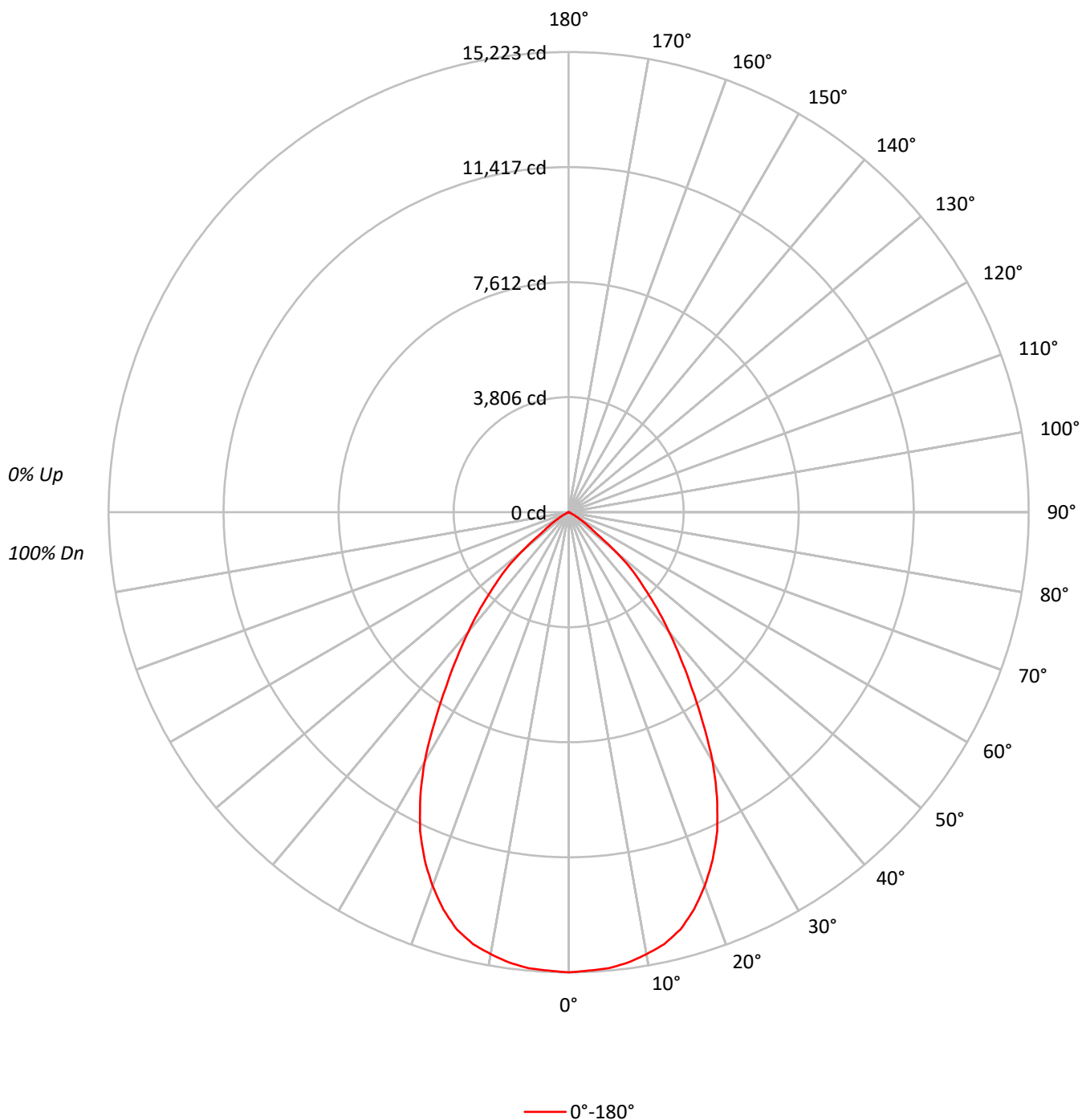
Lumens per Lamp: N/A
Luminaire Lumens: 18827.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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	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°	101552
5°	101409
10°	100553
15°	98690
20°	93427
25°	85573
30°	73437
35°	57767
40°	44866
45°	33343
50°	21491
55°	9067
60°	3665
65°	846
70°	499
75°	531
80°	572
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33343 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1435.9	7.6
10°-20°	3994.3	21.2
20°-30°	5279.7	28.0
30°-40°	4464.0	23.7
40°-50°	2746.8	14.6
50°-60°	789.7	4.2
60°-70°	87.8	0.5
70°-80°	21.4	0.1
80°-90°	8.1	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°	10709.9	56.9
0°-40°	15173.9	80.6
0°-60°	18710.4	99.4
0°-90°	18827.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18827.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15223	
5°	15144	###
15°	14290	3994
25°	11626	5280
35°	7093	4464
45°	3534	2747
55°	780	790
65°	54	88
75°	21	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15223.0
2.5°	15179.2
5°	15143.8
7.5°	15029.1
10°	14844.3
12.5°	14631.4
15°	14289.9
17.5°	13783.3
20°	13160.5
22.5°	12450.1
25°	11625.9
27.5°	10628.5
30°	9533.7
32.5°	8265.7
35°	7093.4
37.5°	6064.6
40°	5152.1
42.5°	4328.8
45°	3534.3
47.5°	2876.8
50°	2070.8
52.5°	1117.1
55°	779.6
57.5°	511.5
60°	274.7
62.5°	126.2
65°	53.6
67.5°	29.7
70°	25.6
72.5°	23.1
75°	20.6
77.5°	17.3
80°	14.9
82.5°	10.7
85°	7.4
87.5°	4.1
90°	0.0

(END OF REPORT)