

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: P1505132

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505132
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 (4000K_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

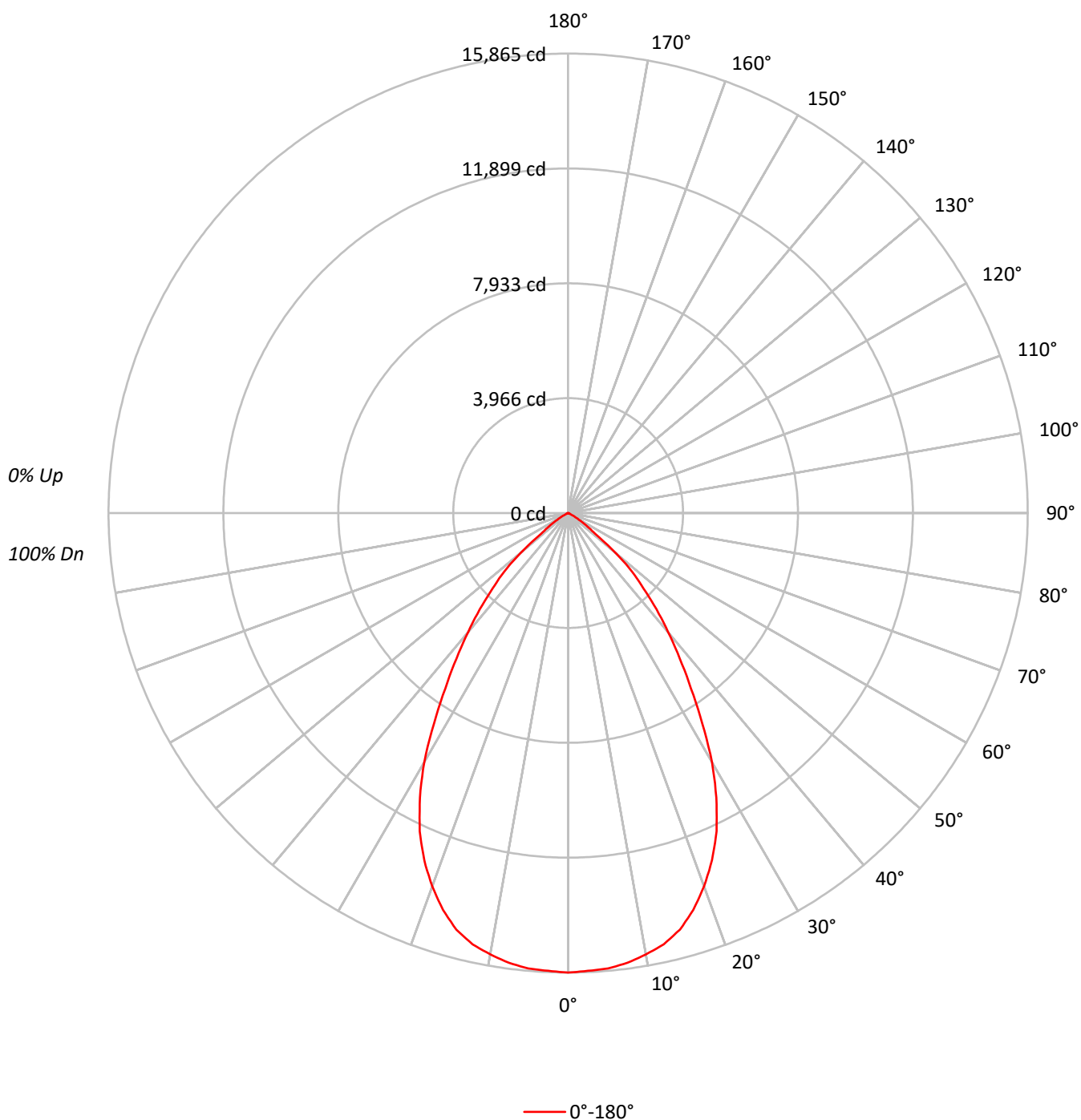
Lumens per Lamp: N/A
Luminaire Lumens: 19622.2 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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	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°	105836
5°	105688
10°	104796
15°	102854
20°	97369
25°	89184
30°	76536
35°	60204
40°	46759
45°	34750
50°	22397
55°	9450
60°	3820
65°	882
70°	521
75°	554
80°	595
85°	589

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1496.5	7.6
10°-20°	4162.8	21.2
20°-30°	5502.5	28.0
30°-40°	4652.4	23.7
40°-50°	2862.7	14.6
50°-60°	823.0	4.2
60°-70°	91.5	0.5
70°-80°	22.4	0.1
80°-90°	8.4	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°	11161.8	56.9
0°-40°	15814.2	80.6
0°-60°	19499.9	99.4
0°-90°	19622.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19622.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15865	
5°	15783	###
15°	14893	4163
25°	12116	5503
35°	7393	4652
45°	3683	2863
55°	812	823
65°	56	92
75°	22	22
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15865.3
2.5°	15819.7
5°	15782.8
7.5°	15663.3
10°	15470.7
12.5°	15248.8
15°	14892.9
17.5°	14364.9
20°	13715.8
22.5°	12975.5
25°	12116.5
27.5°	11077.0
30°	9936.0
32.5°	8614.5
35°	7392.7
37.5°	6320.5
40°	5369.5
42.5°	4511.5
45°	3683.4
47.5°	2998.2
50°	2158.1
52.5°	1164.2
55°	812.5
57.5°	533.1
60°	286.3
62.5°	131.6
65°	55.9
67.5°	31.0
70°	26.7
72.5°	24.1
75°	21.5
77.5°	18.1
80°	15.5
82.5°	11.2
85°	7.7
87.5°	4.3
90°	0.0

(END OF REPORT)