

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: P1505249

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505249
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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-WHGL-PS (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

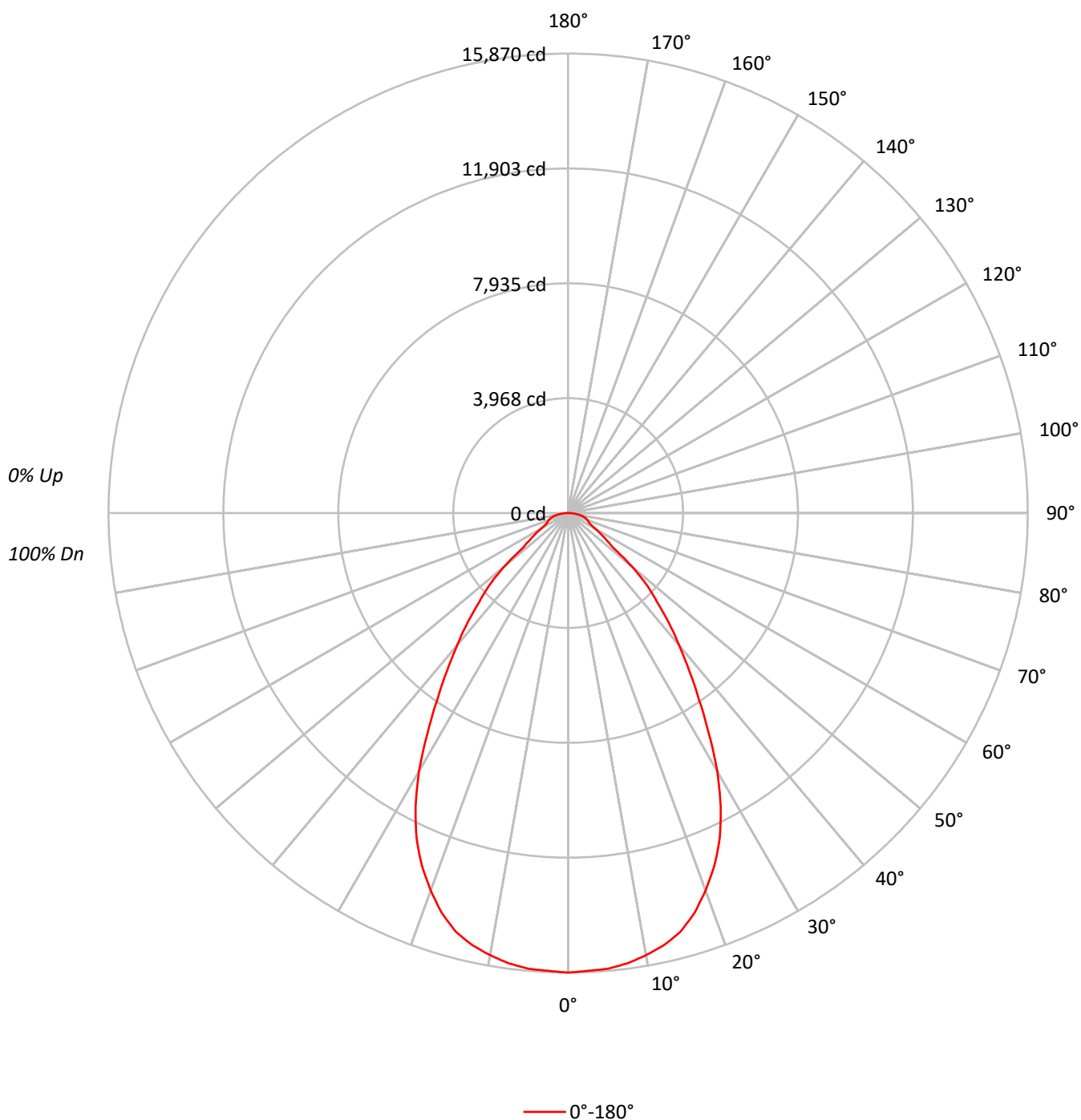
Lumens per Lamp: N/A
Luminaire Lumens: 22852.8 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105866
5°	105768
10°	105041
15°	103413
20°	98452
25°	91160
30°	79348
35°	64270
40°	51879
45°	41009
50°	29967
55°	18691
60°	14254
65°	12645
70°	13887
75°	15184
80°	16039
85°	16732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1498.4	6.6
10°-20°	4189.0	18.3
20°-30°	5629.9	24.6
30°-40°	4961.7	21.7
40°-50°	3377.6	14.8
50°-60°	1523.4	6.7
60°-70°	825.5	3.6
70°-80°	613.2	2.7
80°-90°	234.2	1.0
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°	11317.2	49.5
0°-40°	16278.9	71.2
0°-60°	21179.9	92.7
0°-90°	22852.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22852.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15870	
5°	15795	###
15°	14974	4189
25°	12385	5630
35°	7892	4962
45°	4347	3378
55°	1607	1523
65°	801	825
75°	589	613
85°	219	234
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15869.8
2.5°	15825.2
5°	15794.7
7.5°	15685.0
10°	15506.8
12.5°	15286.5
15°	14973.8
17.5°	14492.0
20°	13868.3
22.5°	13191.8
25°	12385.0
27.5°	11408.1
30°	10301.0
32.5°	9048.6
35°	7892.0
37.5°	6863.2
40°	5957.4
42.5°	5145.5
45°	4346.9
47.5°	3694.4
50°	2887.5
52.5°	1942.1
55°	1607.1
57.5°	1325.8
60°	1068.4
62.5°	892.7
65°	801.1
67.5°	750.8
70°	712.0
72.5°	659.2
75°	589.1
77.5°	509.9
80°	417.5
82.5°	320.9
85°	218.6
87.5°	112.2
90°	0.0

(END OF REPORT)