

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: P1505628

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505628
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-123)
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-B-06-WHGL-PS (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

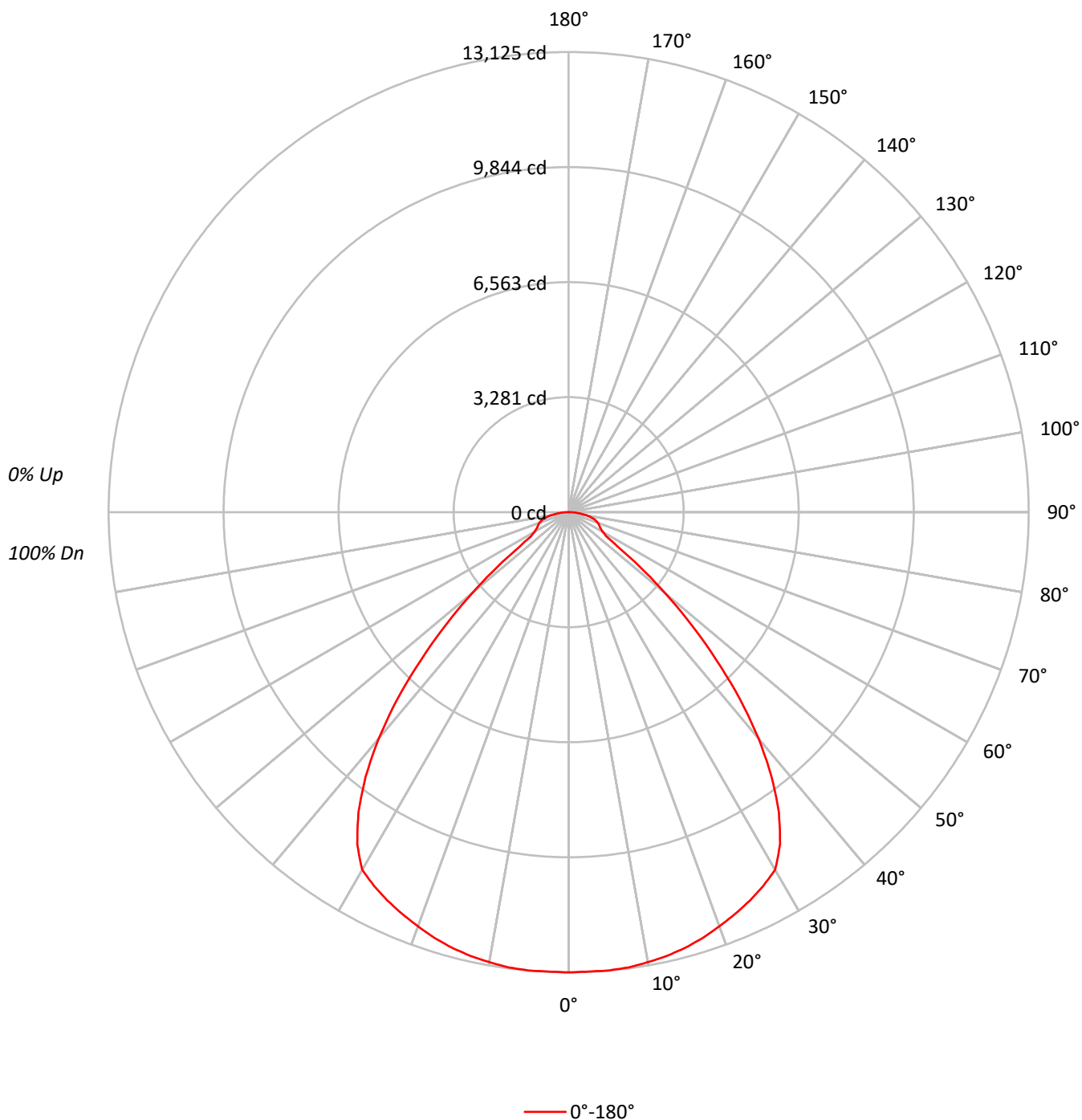
Lumens per Lamp: N/A
Luminaire Lumens: 25304.9 lumens
Efficiency: N/A
Efficacy: 162.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.25
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83622
5°	83914
10°	84306
15°	84836
20°	85217
25°	85944
30°	86646
35°	81292
40°	70108
45°	53680
50°	35615
55°	18633
60°	14375
65°	14763
70°	16514
75°	18159
80°	18804
85°	17975

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53680 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1249.6	4.9
10°-20°	3632.4	14.4
20°-30°	5638.8	22.3
30°-40°	6443.3	25.5
40°-50°	4584.3	18.1
50°-60°	1739.7	6.9
60°-70°	980.4	3.9
70°-80°	763.9	3.0
80°-90°	272.5	1.1
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°	10520.8	41.6
0°-40°	16964.1	67.0
0°-60°	23288.1	92.0
0°-90°	25304.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25304.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13125	
5°	13121	###
15°	12862	3632
25°	12226	5639
35°	10452	6443
45°	5958	4584
55°	1678	1740
65°	979	980
75°	738	764
85°	246	273
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13125.1
2.5°	13113.0
5°	13120.8
7.5°	13095.0
10°	13031.4
12.5°	12960.0
15°	12862.0
17.5°	12728.7
20°	12568.8
22.5°	12403.7
25°	12225.7
27.5°	12018.5
30°	11777.8
32.5°	11224.9
35°	10451.9
37.5°	9509.6
40°	8429.6
42.5°	7229.3
45°	5957.7
47.5°	4746.2
50°	3593.2
52.5°	2552.8
55°	1677.5
57.5°	1262.2
60°	1128.1
62.5°	1035.2
65°	979.3
67.5°	934.6
70°	886.5
72.5°	821.1
75°	737.7
77.5°	635.4
80°	512.5
82.5°	380.0
85°	245.9
87.5°	119.5
90°	0.0

(END OF REPORT)