

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: P1505636

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505636
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-121)
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 (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

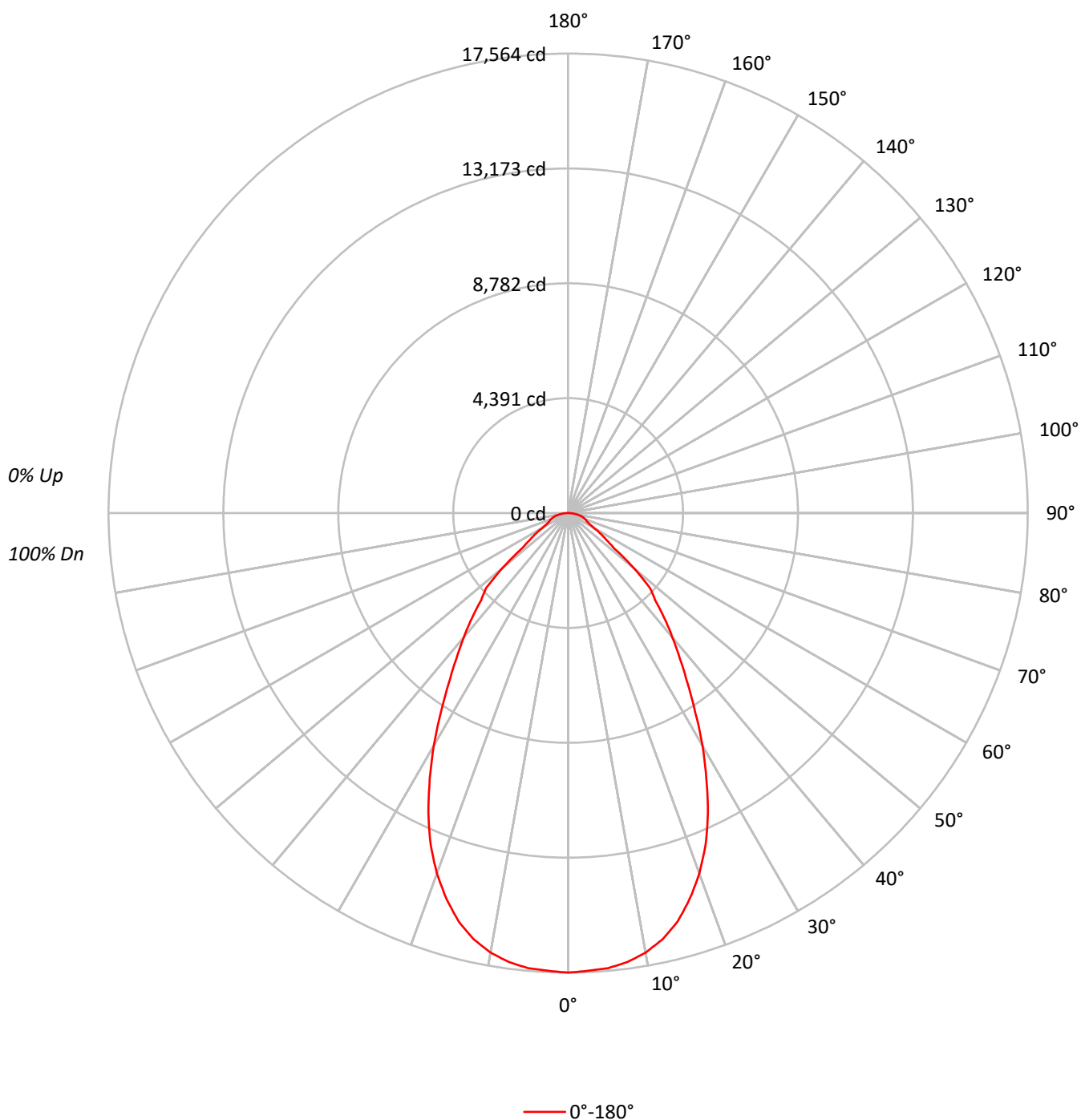
Lumens per Lamp: N/A
Luminaire Lumens: 23969.7 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65		
5	85	75	68	62	83	74	67	62	72	66	62	70	65	61	69	64	60	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	71	59	52	47	69	59	52	47	58	51	47	57	51	47	55	50	47	45		
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42		
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111906
5°	111666
10°	110356
15°	106596
20°	99379
25°	88844
30°	75477
35°	61862
40°	51516
45°	42350
50°	32841
55°	19786
60°	14697
65°	12294
70°	13170
75°	13918
80°	13924
85°	13648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42350 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1653.9	6.9
10°-20°	4511.9	18.8
20°-30°	5756.5	24.0
30°-40°	5015.9	20.9
40°-50°	3676.1	15.3
50°-60°	1712.5	7.1
60°-70°	850.0	3.5
70°-80°	588.2	2.5
80°-90°	204.7	0.9
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°	11922.2	49.7
0°-40°	16938.1	70.7
0°-60°	22326.8	93.1
0°-90°	23969.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23969.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17564	
5°	17460	###
15°	16161	4512
25°	12638	5756
35°	7954	5016
45°	4700	3676
55°	1781	1713
65°	816	850
75°	565	588
85°	187	205
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17564.5
2.5°	17513.2
5°	17460.2
7.5°	17310.0
10°	17058.1
12.5°	16682.1
15°	16161.0
17.5°	15458.4
20°	14657.6
22.5°	13724.8
25°	12638.3
27.5°	11446.8
30°	10259.5
32.5°	9053.2
35°	7953.7
37.5°	7021.8
40°	6194.1
42.5°	5435.9
45°	4700.3
47.5°	4243.5
50°	3313.3
52.5°	2237.2
55°	1781.3
57.5°	1457.3
60°	1153.4
62.5°	935.4
65°	815.5
67.5°	754.7
70°	707.0
72.5°	644.4
75°	565.4
77.5°	475.9
80°	379.5
82.5°	283.1
85°	186.7
87.5°	92.9
90°	0.0

(END OF REPORT)