

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: P1505621

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505621
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 (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

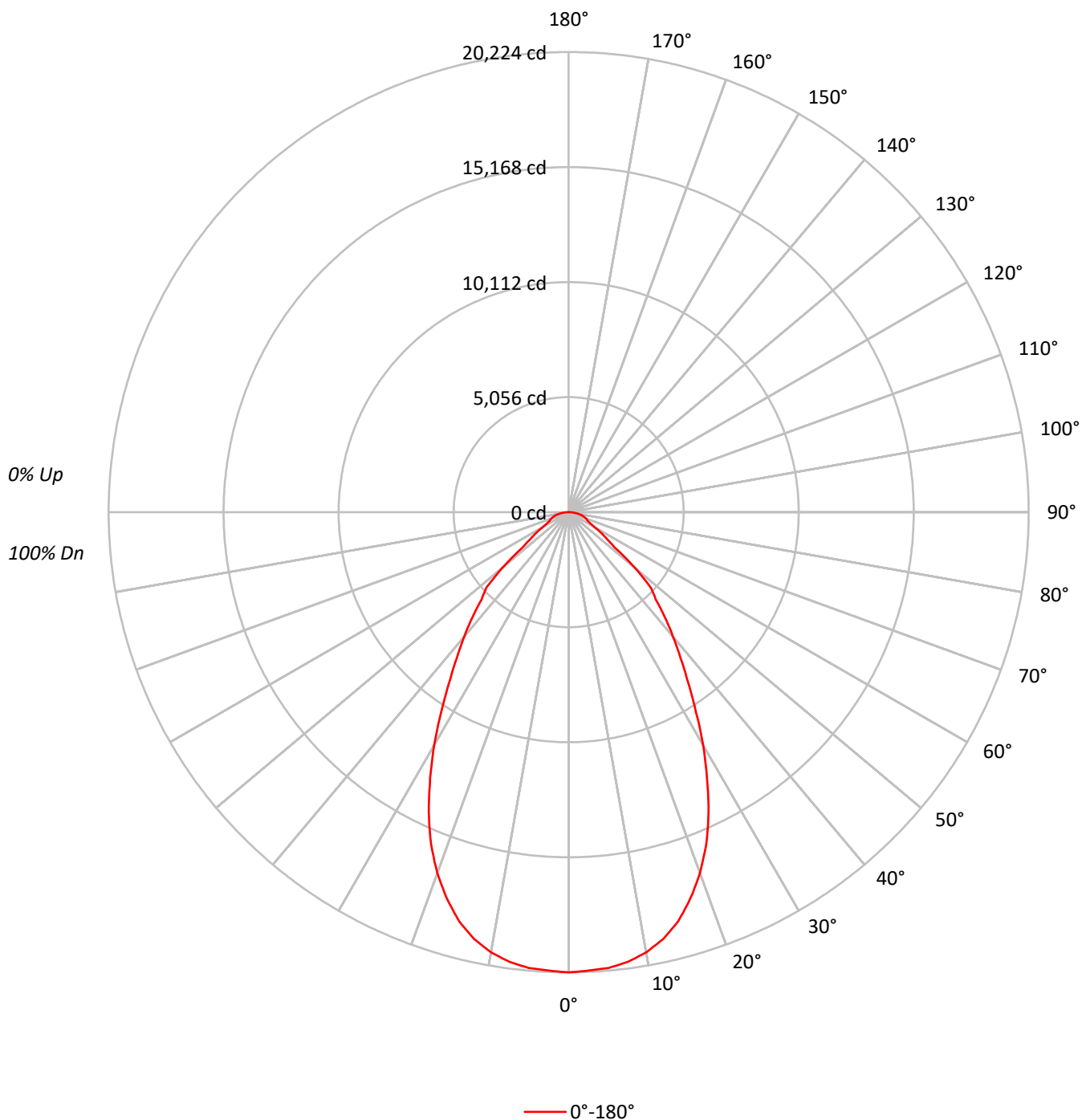
Lumens per Lamp: N/A
Luminaire Lumens: 27599.2 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 196
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°	128850
5°	128575
10°	127066
15°	122736
20°	114427
25°	102297
30°	86905
35°	71228
40°	59316
45°	48763
50°	37813
55°	22782
60°	16922
65°	14156
70°	15163
75°	16025
80°	16034
85°	15717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48763 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1904.3	6.9
10°-20°	5195.0	18.8
20°-30°	6628.1	24.0
30°-40°	5775.4	20.9
40°-50°	4232.7	15.3
50°-60°	1971.9	7.1
60°-70°	978.7	3.5
70°-80°	677.3	2.5
80°-90°	235.8	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°	13727.4	49.7
0°-40°	19502.8	70.7
0°-60°	25707.4	93.1
0°-90°	27599.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27599.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20224	
5°	20104	###
15°	18608	5195
25°	14552	6628
35°	9158	5775
45°	5412	4233
55°	2051	1972
65°	939	979
75°	651	677
85°	215	236
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20224
2.5°	20165
5°	20104
7.5°	19931
10°	19641
12.5°	19208
15°	18608
17.5°	17799
20°	16877
22.5°	15803
25°	14552
27.5°	13180
30°	11813
32.5°	10424
35°	9158
37.5°	8085
40°	7132
42.5°	6259
45°	5412
47.5°	4886
50°	3815
52.5°	2576
55°	2051
57.5°	1678
60°	1328
62.5°	1077
65°	939
67.5°	869
70°	814
72.5°	742
75°	651
77.5°	548
80°	437
82.5°	326
85°	215
87.5°	107
90°	0

(END OF REPORT)