

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: P1505639

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505639
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_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

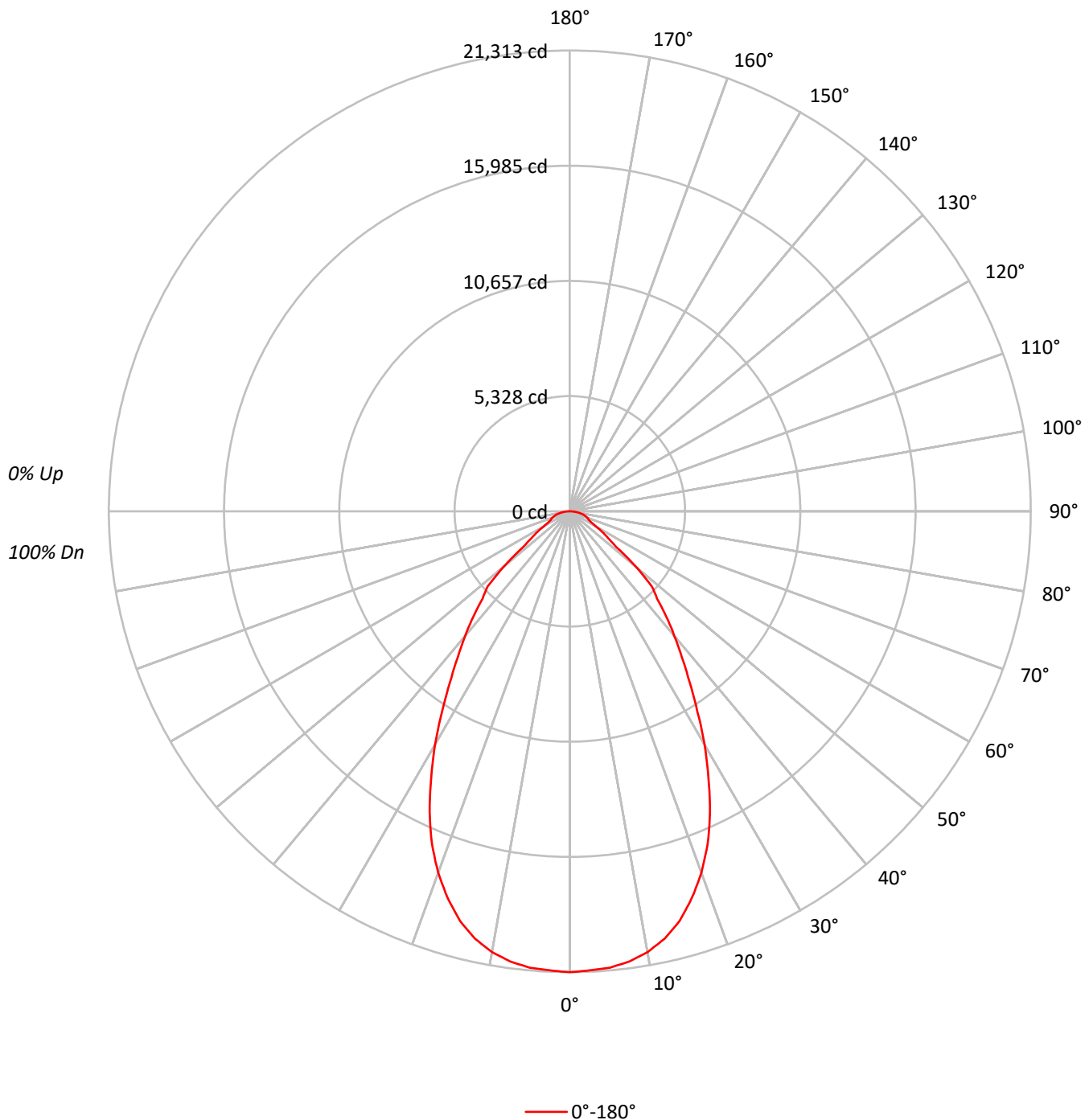
Lumens per Lamp: N/A
Luminaire Lumens: 29084.8 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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°	135786
5°	135496
10°	133906
15°	129343
20°	120586
25°	107804
30°	91584
35°	75063
40°	62509
45°	51388
50°	39849
55°	24008
60°	17833
65°	14917
70°	15979
75°	16887
80°	16896
85°	16565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2006.8	6.9
10°-20°	5474.7	18.8
20°-30°	6984.9	24.0
30°-40°	6086.3	20.9
40°-50°	4460.5	15.3
50°-60°	2078.0	7.1
60°-70°	1031.3	3.5
70°-80°	713.7	2.5
80°-90°	248.5	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°	14466.4	49.7
0°-40°	20552.7	70.7
0°-60°	27091.2	93.1
0°-90°	29084.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29084.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21313	
5°	21186	###
15°	19610	5475
25°	15335	6985
35°	9651	6086
45°	5703	4461
55°	2161	2078
65°	990	1031
75°	686	714
85°	227	248
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	21312.7
2.5°	21250.5
5°	21186.2
7.5°	21003.9
10°	20698.3
12.5°	20242.0
15°	19609.7
17.5°	18757.1
20°	17785.5
22.5°	16653.7
25°	15335.3
27.5°	13889.5
30°	12448.9
32.5°	10985.1
35°	9651.0
37.5°	8520.2
40°	7515.9
42.5°	6595.9
45°	5703.3
47.5°	5149.0
50°	4020.4
52.5°	2714.7
55°	2161.4
57.5°	1768.3
60°	1399.5
62.5°	1135.0
65°	989.5
67.5°	915.8
70°	857.8
72.5°	781.9
75°	686.0
77.5°	577.5
80°	460.5
82.5°	343.5
85°	226.6
87.5°	112.8
90°	0.0

(END OF REPORT)