

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: P1505630

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505630
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: Pentalux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (4000K_L32_Narrow_120V)
Description: Pentalux 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

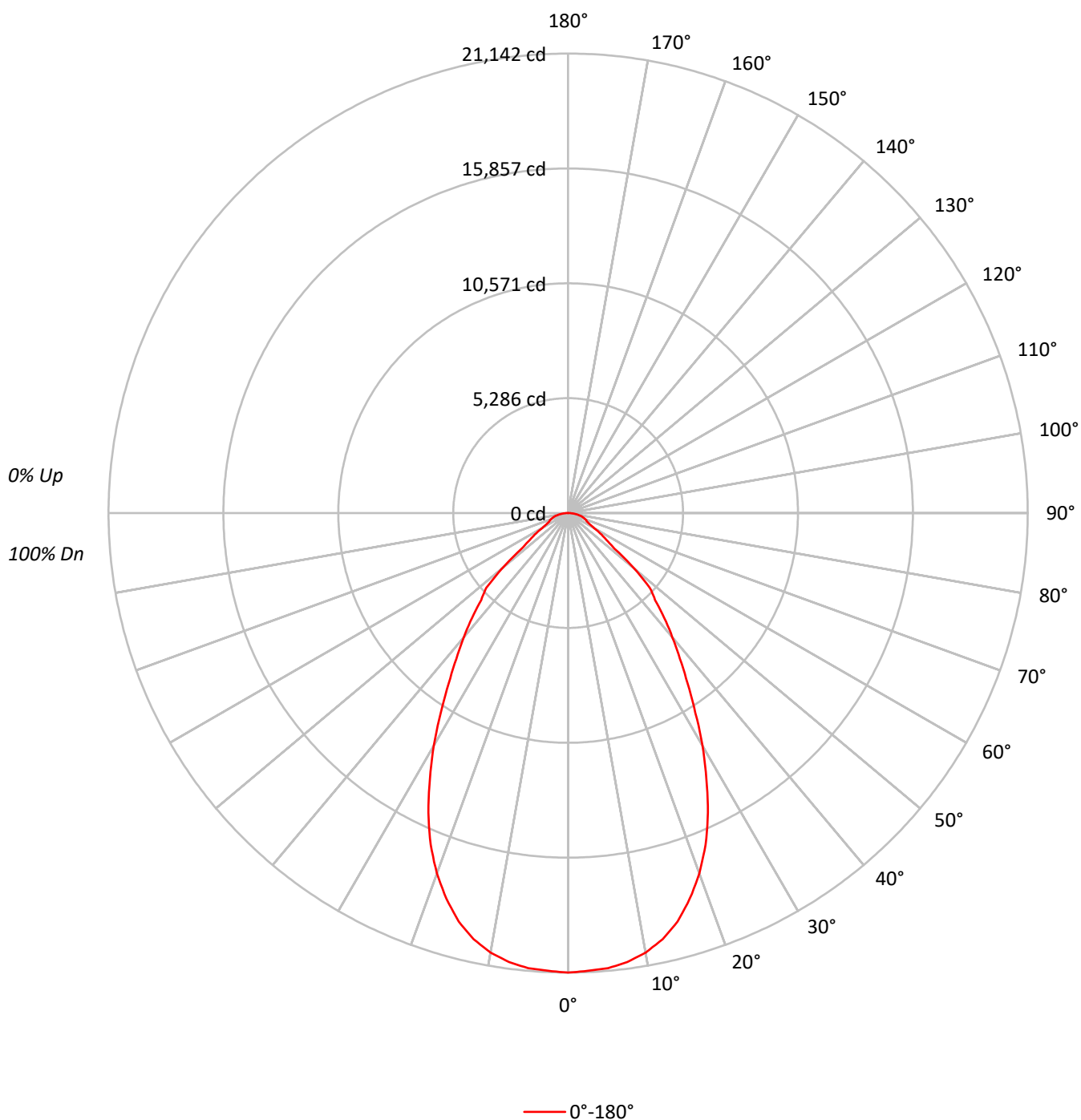
Lumens per Lamp: N/A
Luminaire Lumens: 28851.6 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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°	134697
5°	134409
10°	132832
15°	128306
20°	119619
25°	106940
30°	90849
35°	74461
40°	62008
45°	50976
50°	39529
55°	23816
60°	17690
65°	14798
70°	15851
75°	16751
80°	16760
85°	16433

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50976 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1990.7	6.9
10°-20°	5430.8	18.8
20°-30°	6928.9	24.0
30°-40°	6037.5	20.9
40°-50°	4424.8	15.3
50°-60°	2061.3	7.1
60°-70°	1023.1	3.5
70°-80°	708.0	2.5
80°-90°	246.5	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°	14350.4	49.7
0°-40°	20387.9	70.7
0°-60°	26874.0	93.1
0°-90°	28851.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28851.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21142	
5°	21016	###
15°	19452	5431
25°	15212	6929
35°	9574	6038
45°	5658	4425
55°	2144	2061
65°	982	1023
75°	680	708
85°	225	247
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21141.7
2.5°	21080.1
5°	21016.3
7.5°	20835.4
10°	20532.3
12.5°	20079.6
15°	19452.4
17.5°	18606.7
20°	17642.9
22.5°	16520.1
25°	15212.4
27.5°	13778.1
30°	12349.1
32.5°	10897.0
35°	9573.6
37.5°	8451.9
40°	7455.6
42.5°	6543.0
45°	5657.6
47.5°	5107.7
50°	3988.1
52.5°	2692.9
55°	2144.1
57.5°	1754.1
60°	1388.3
62.5°	1125.9
65°	981.6
67.5°	908.4
70°	850.9
72.5°	775.7
75°	680.5
77.5°	572.9
80°	456.8
82.5°	340.8
85°	224.8
87.5°	111.9
90°	0.0

(END OF REPORT)