

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: P1505279

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505279
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-109)
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-A-06-WHGL-PS (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

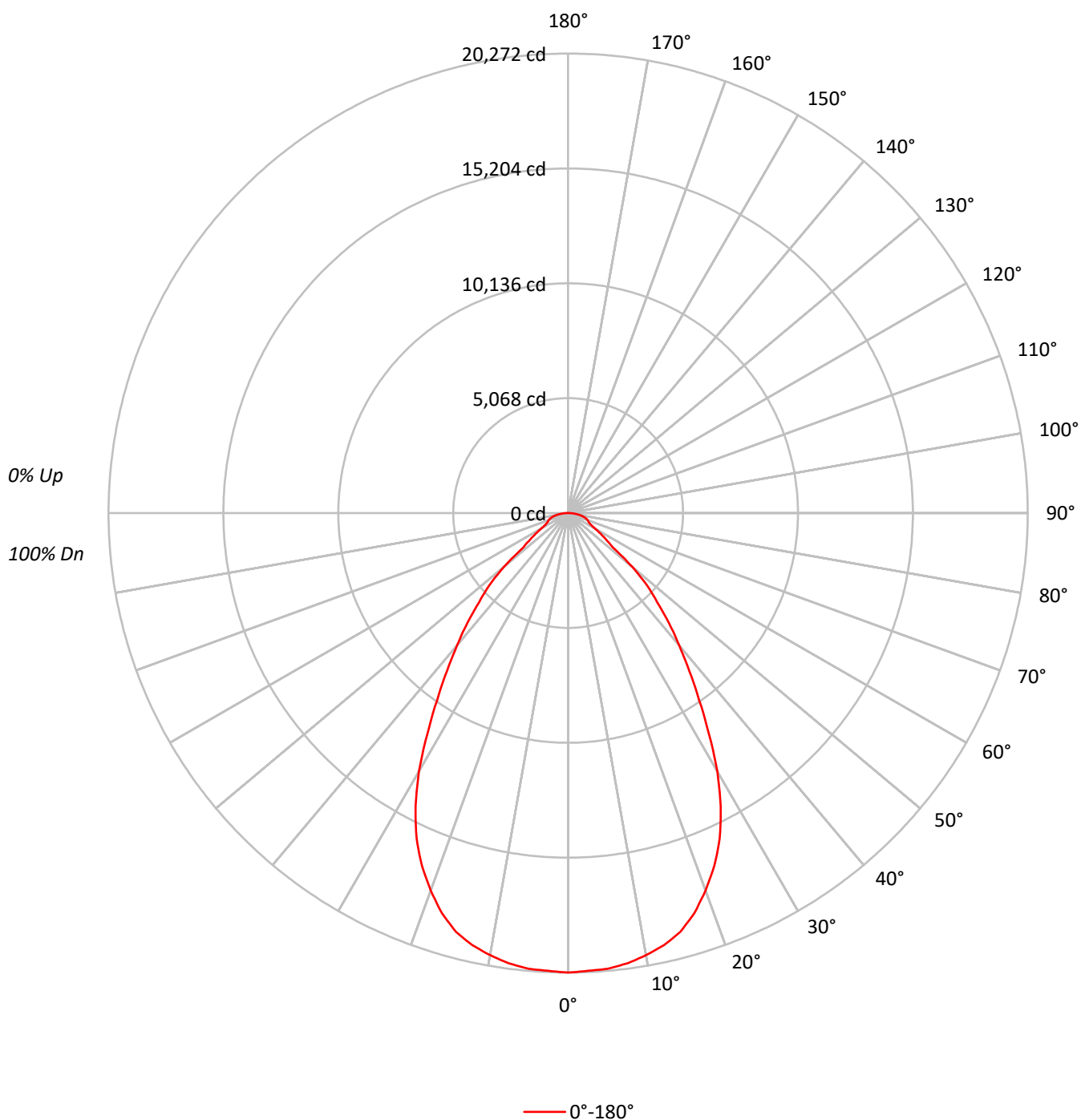
Lumens per Lamp: N/A
Luminaire Lumens: 29191.2 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.03
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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					0
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53			
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135230
5°	135104
10°	134175
15°	132096
20°	125759
25°	116445
30°	101356
35°	82096
40°	66267
45°	52384
50°	38279
55°	23876
60°	18208
65°	16153
70°	17739
75°	19393
80°	20484
85°	21378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52384 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1913.9	6.6
10°-20°	5350.8	18.3
20°-30°	7191.4	24.6
30°-40°	6337.9	21.7
40°-50°	4314.4	14.8
50°-60°	1945.9	6.7
60°-70°	1054.4	3.6
70°-80°	783.3	2.7
80°-90°	299.1	1.0
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°	14456.2	49.5
0°-40°	20794.1	71.2
0°-60°	27054.5	92.7
0°-90°	29191.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29191.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20272	
5°	20176	###
15°	19127	5351
25°	15820	7191
35°	10081	6338
45°	5553	4314
55°	2053	1946
65°	1023	1054
75°	752	783
85°	279	299
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20271.5
2.5°	20214.6
5°	20175.6
7.5°	20035.4
10°	19807.8
12.5°	19526.4
15°	19127.0
17.5°	18511.6
20°	17714.9
22.5°	16850.8
25°	15820.1
27.5°	14572.4
30°	13158.1
32.5°	11558.4
35°	10080.9
37.5°	8766.8
40°	7609.7
42.5°	6572.7
45°	5552.6
47.5°	4719.1
50°	3688.4
52.5°	2480.7
55°	2052.9
57.5°	1693.5
60°	1364.7
62.5°	1140.2
65°	1023.3
67.5°	959.0
70°	909.5
72.5°	842.0
75°	752.4
77.5°	651.3
80°	533.2
82.5°	409.9
85°	279.3
87.5°	143.3
90°	0.0

(END OF REPORT)