

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: P1505081

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505081
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-85)
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-04-WHGL-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

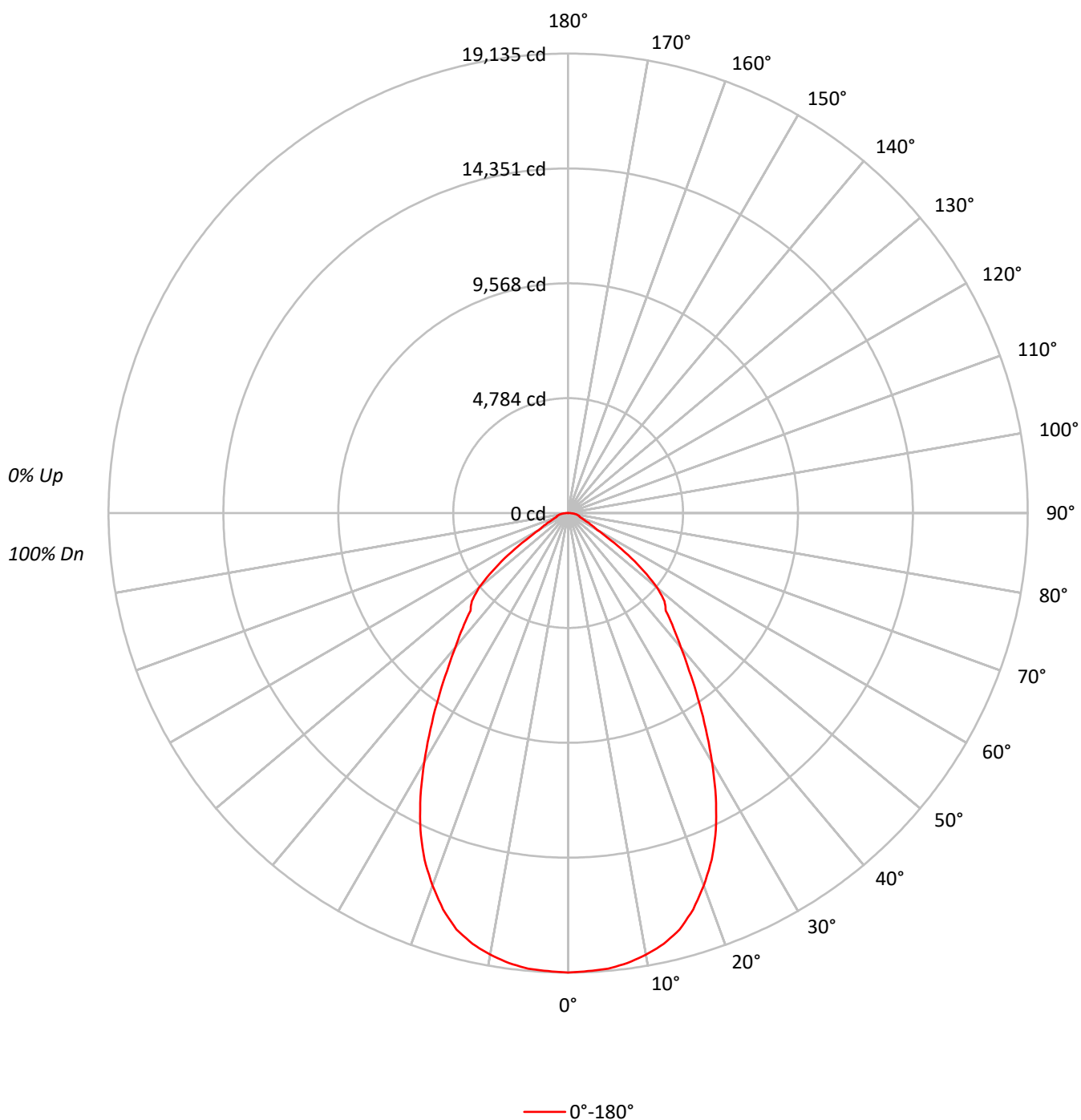
Lumens per Lamp: N/A
Luminaire Lumens: 28258.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 195.9
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	92	90		
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	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140405
5°	140293
10°	139144
15°	136394
20°	128880
25°	117840
30°	101410
35°	84362
40°	70010
45°	59699
50°	55398
55°	39107
60°	20619
65°	15331
70°	12057
75°	13183
80°	15550
85°	17175

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1806.0	6.4
10°-20°	5016.8	17.8
20°-30°	6619.2	23.4
30°-40°	5909.9	20.9
40°-50°	4578.4	16.2
50°-60°	2717.5	9.6
60°-70°	905.9	3.2
70°-80°	491.2	1.7
80°-90°	213.9	0.8
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°	13441.9	47.6
0°-40°	19351.9	68.5
0°-60°	26647.8	94.3
0°-90°	28258.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28258.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19135	
5°	19047	###
15°	17955	5017
25°	14555	6619
35°	9418	5910
45°	5753	4578
55°	3057	2718
65°	883	906
75°	465	491
85°	204	214
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19135
2.5°	19094
5°	19047
7.5°	18900
10°	18675
12.5°	18379
15°	17955
17.5°	17307
20°	16505
22.5°	15624
25°	14555
27.5°	13320
30°	11969
32.5°	10664
35°	9418
37.5°	8277
40°	7309
42.5°	6495
45°	5753
47.5°	5445
50°	4853
52.5°	3978
55°	3057
57.5°	2089
60°	1405
62.5°	1120
65°	883
67.5°	686
70°	562
72.5°	504
75°	465
77.5°	426
80°	368
82.5°	293
85°	204
87.5°	105
90°	0

(END OF REPORT)