

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: P1505108

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505108
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 (6500K_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

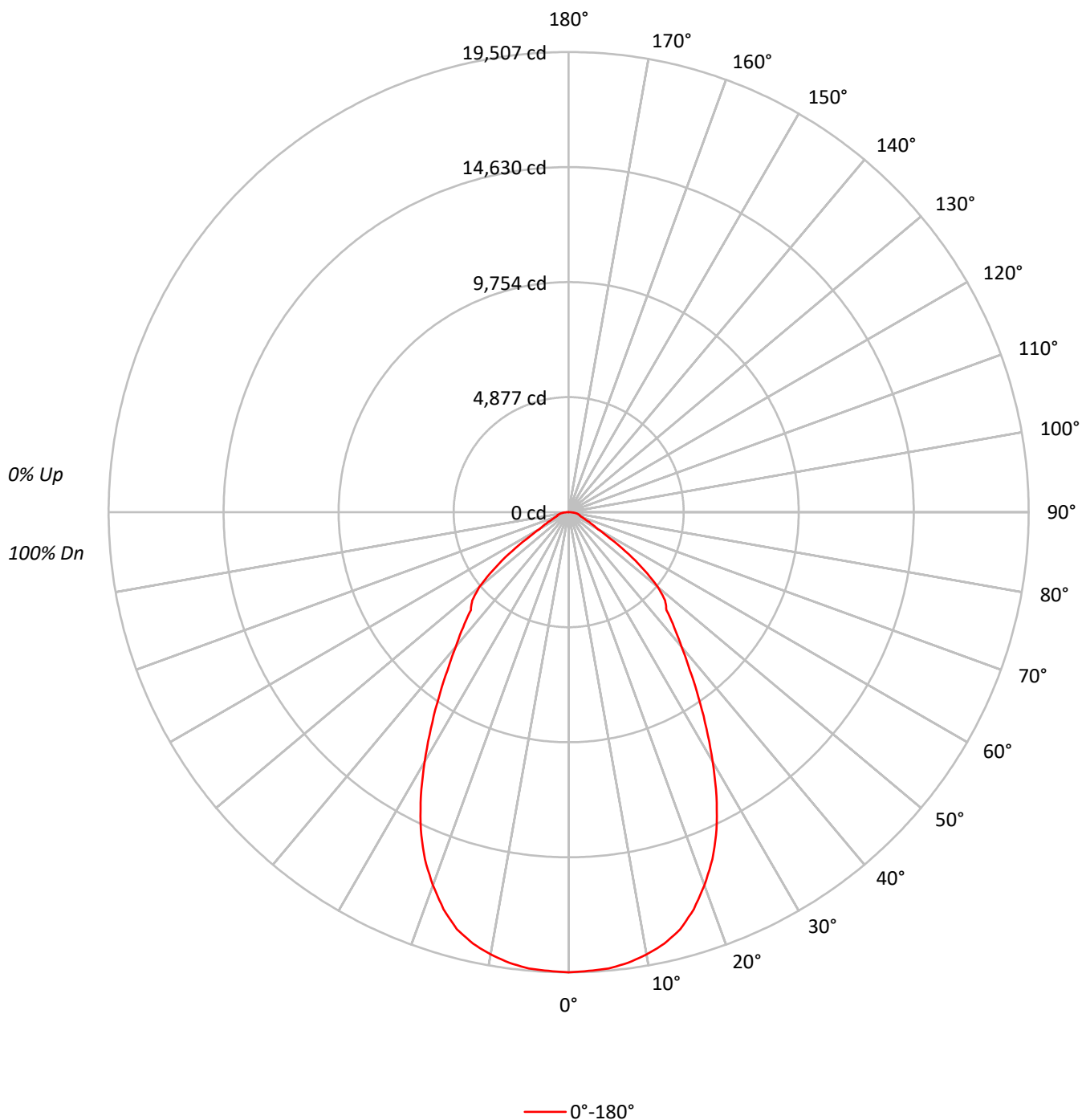
Lumens per Lamp: N/A
Luminaire Lumens: 28808.4 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.02
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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°	143136
5°	143022
10°	141849
15°	139046
20°	131386
25°	120131
30°	103382
35°	86003
40°	71371
45°	60860
50°	56476
55°	39867
60°	21019
65°	15630
70°	12291
75°	13438
80°	15854
85°	17511

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60860 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1841.1	6.4
10°-20°	5114.3	17.8
20°-30°	6747.9	23.4
30°-40°	6024.9	20.9
40°-50°	4667.5	16.2
50°-60°	2770.3	9.6
60°-70°	923.5	3.2
70°-80°	500.8	1.7
80°-90°	218.1	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°	13703.3	47.6
0°-40°	19728.1	68.5
0°-60°	27165.9	94.3
0°-90°	28808.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28808.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19507	
5°	19417	###
15°	18304	5114
25°	14838	6748
35°	9601	6025
45°	5865	4667
55°	3116	2770
65°	900	924
75°	474	501
85°	208	218
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19507.1
2.5°	19465.3
5°	19417.4
7.5°	19267.5
10°	19038.1
12.5°	18736.4
15°	18304.1
17.5°	17643.5
20°	16825.9
22.5°	15927.8
25°	14838.0
27.5°	13579.0
30°	12201.7
32.5°	10871.4
35°	9601.1
37.5°	8437.9
40°	7451.1
42.5°	6621.3
45°	5864.9
47.5°	5550.9
50°	4947.4
52.5°	4055.3
55°	3116.4
57.5°	2129.6
60°	1432.3
62.5°	1141.8
65°	900.2
67.5°	699.3
70°	572.9
72.5°	513.8
75°	474.0
77.5°	434.3
80°	375.2
82.5°	298.7
85°	208.0
87.5°	107.0
90°	0.0

(END OF REPORT)