

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: P1504955

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504955
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-79)
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-BLAK-PS (4000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

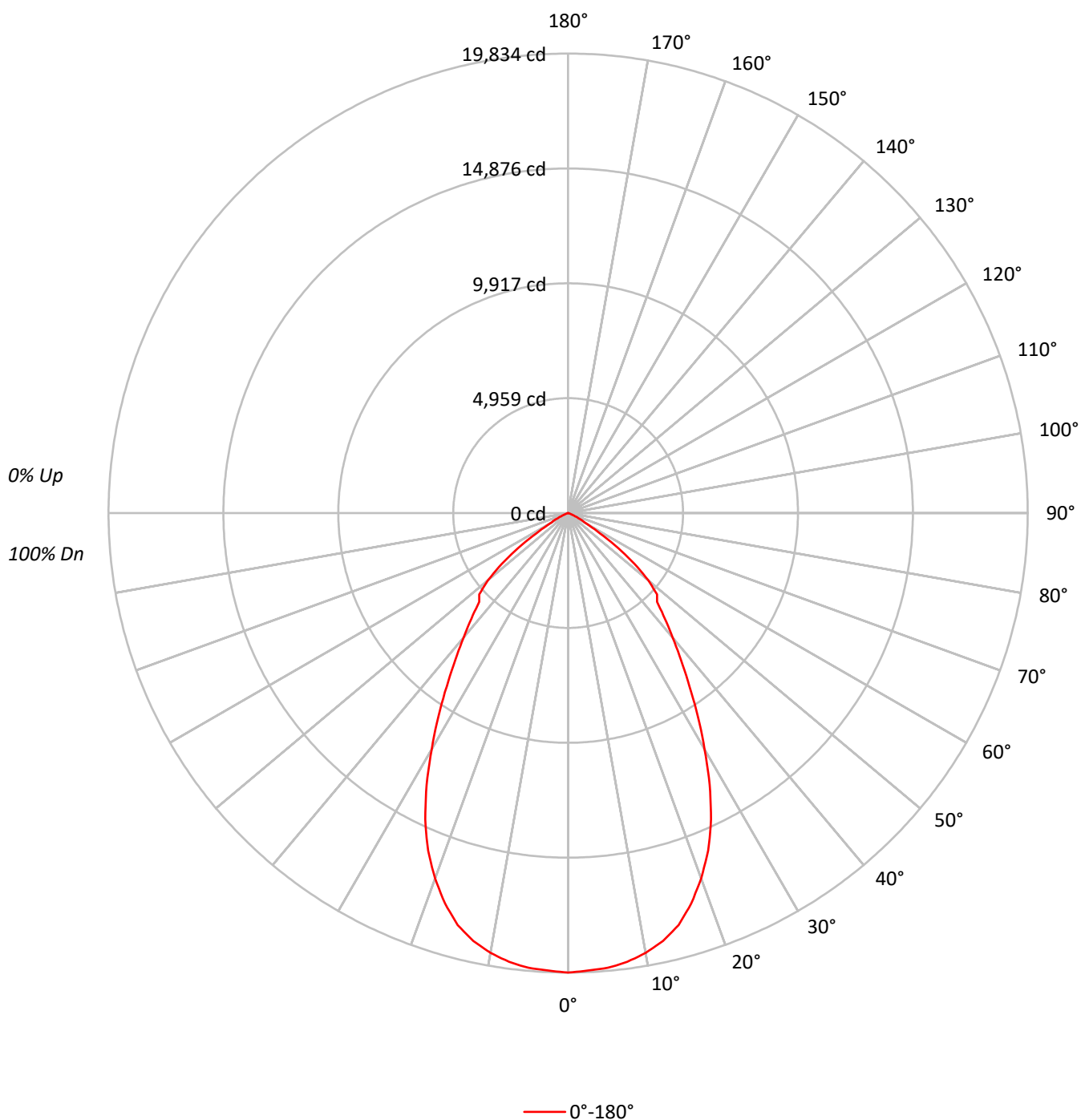
Lumens per Lamp: N/A
Luminaire Lumens: 26504.2 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145534
5°	145127
10°	143612
15°	139852
20°	130997
25°	118126
30°	99785
35°	81767
40°	67239
45°	56246
50°	51505
55°	33633
60°	13347
65°	6553
70°	1703
75°	505
80°	617
85°	707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 56451 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1867.1	7.0
10°-20°	5138.6	19.4
20°-30°	6627.4	25.0
30°-40°	5741.0	21.7
40°-50°	4343.4	16.4
50°-60°	2338.4	8.8
60°-70°	409.5	1.5
70°-80°	30.2	0.1
80°-90°	8.5	0.0
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°	13633.1	51.4
0°-40°	19374.2	73.1
0°-60°	26056.0	98.3
0°-90°	26504.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26504.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19834	
5°	19703	###
15°	18410	5139
25°	14590	6627
35°	9128	5741
45°	5420	4343
55°	2629	2338
65°	377	409
75°	18	30
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19834.0
2.5°	19763.9
5°	19703.3
7.5°	19539.2
10°	19274.7
12.5°	18915.1
15°	18410.2
17.5°	17667.9
20°	16776.2
22.5°	15778.9
25°	14590.4
27.5°	13217.8
30°	11777.2
32.5°	10414.1
35°	9128.2
37.5°	7988.8
40°	7019.7
42.5°	6175.1
45°	5420.3
47.5°	5197.6
50°	4511.9
52.5°	3604.5
55°	2629.1
57.5°	1624.5
60°	909.5
62.5°	611.5
65°	377.4
67.5°	188.2
70°	79.4
72.5°	33.5
75°	17.8
77.5°	16.7
80°	14.6
82.5°	11.5
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)