

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: P1504964

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504964
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 (5000K_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

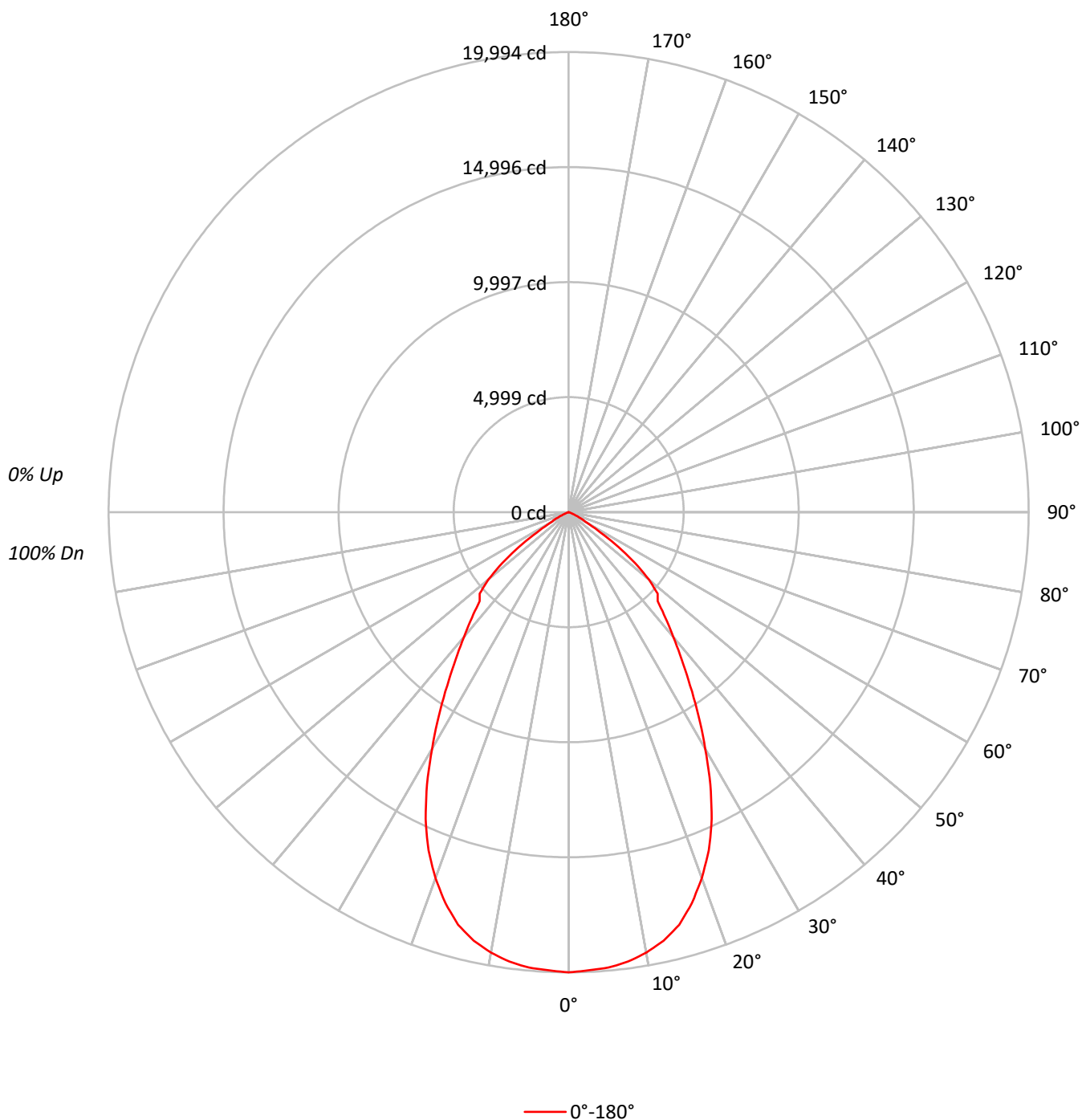
Lumens per Lamp: N/A
Luminaire Lumens: 26718.5 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	146710
5°	146301
10°	144773
15°	140983
20°	132057
25°	119081
30°	100593
35°	82428
40°	67783
45°	56701
50°	51920
55°	33906
60°	13454
65°	6605
70°	1718
75°	507
80°	625
85°	707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 56908 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1882.2	7.0
10°-20°	5180.1	19.4
20°-30°	6681.0	25.0
30°-40°	5787.5	21.7
40°-50°	4378.5	16.4
50°-60°	2357.3	8.8
60°-70°	412.8	1.5
70°-80°	30.5	0.1
80°-90°	8.6	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°	13743.3	51.4
0°-40°	19530.8	73.1
0°-60°	26266.6	98.3
0°-90°	26718.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26718.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19994	
5°	19863	###
15°	18559	5180
25°	14708	6681
35°	9202	5787
45°	5464	4379
55°	2650	2357
65°	380	413
75°	18	30
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19994.3
2.5°	19923.7
5°	19862.6
7.5°	19697.1
10°	19430.5
12.5°	19068.0
15°	18559.0
17.5°	17810.8
20°	16911.9
22.5°	15906.5
25°	14708.3
27.5°	13324.6
30°	11872.5
32.5°	10498.3
35°	9202.0
37.5°	8053.4
40°	7076.5
42.5°	6225.0
45°	5464.1
47.5°	5239.6
50°	4548.3
52.5°	3633.6
55°	2650.4
57.5°	1637.7
60°	916.8
62.5°	616.5
65°	380.4
67.5°	189.7
70°	80.1
72.5°	33.7
75°	17.9
77.5°	16.9
80°	14.8
82.5°	11.6
85°	8.4
87.5°	4.2
90°	0.0

(END OF REPORT)