

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: P1504940

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504940
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 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

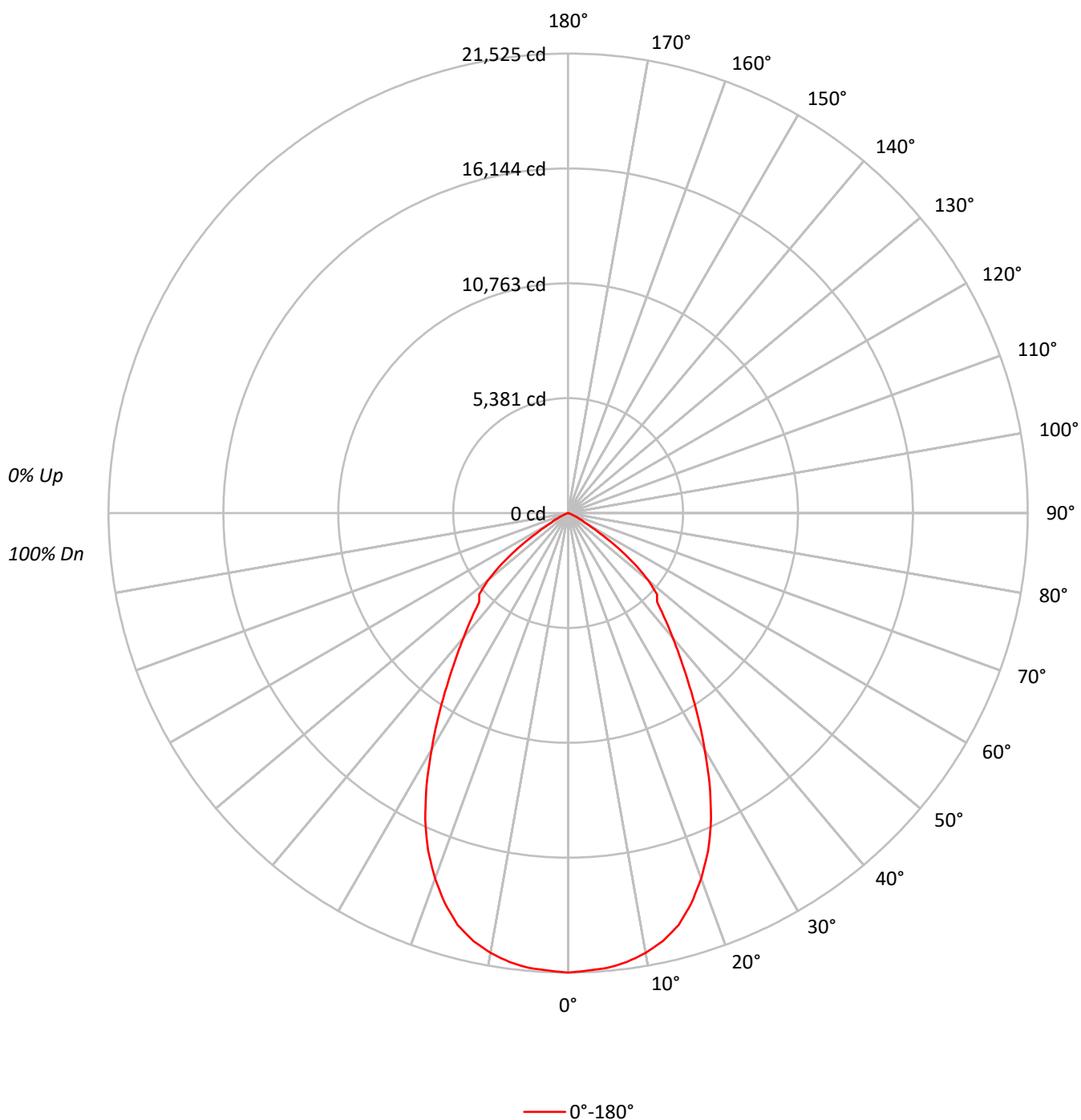
Lumens per Lamp: N/A
Luminaire Lumens: 28763.9 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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	50	30	10	50	30	10		
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°	157942
5°	157501
10°	155857
15°	151776
20°	142167
25°	128197
30°	108294
35°	88738
40°	72972
45°	61041
50°	55895
55°	36502
60°	14484
65°	7112
70°	1849
75°	547
80°	672
85°	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 61265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2026.3	7.0
10°-20°	5576.7	19.4
20°-30°	7192.5	25.0
30°-40°	6230.5	21.7
40°-50°	4713.7	16.4
50°-60°	2537.7	8.8
60°-70°	444.4	1.5
70°-80°	32.8	0.1
80°-90°	9.3	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°	14795.5	51.4
0°-40°	21026.0	73.1
0°-60°	28277.5	98.3
0°-90°	28763.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28763.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21525	
5°	21383	###
15°	19980	5577
25°	15834	7193
35°	9906	6231
45°	5882	4714
55°	2853	2538
65°	410	444
75°	19	33
85°	9	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	21525.0
2.5°	21449.0
5°	21383.2
7.5°	21205.1
10°	20918.1
12.5°	20527.8
15°	19979.8
17.5°	19174.3
20°	18206.6
22.5°	17124.3
25°	15834.3
27.5°	14344.7
30°	12781.4
32.5°	11302.0
35°	9906.5
37.5°	8669.9
40°	7618.2
42.5°	6701.5
45°	5882.4
47.5°	5640.8
50°	4896.5
52.5°	3911.8
55°	2853.3
57.5°	1763.0
60°	987.0
62.5°	663.7
65°	409.6
67.5°	204.2
70°	86.2
72.5°	36.3
75°	19.3
77.5°	18.2
80°	15.9
82.5°	12.5
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)