

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: P1504974

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504974
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-81)
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

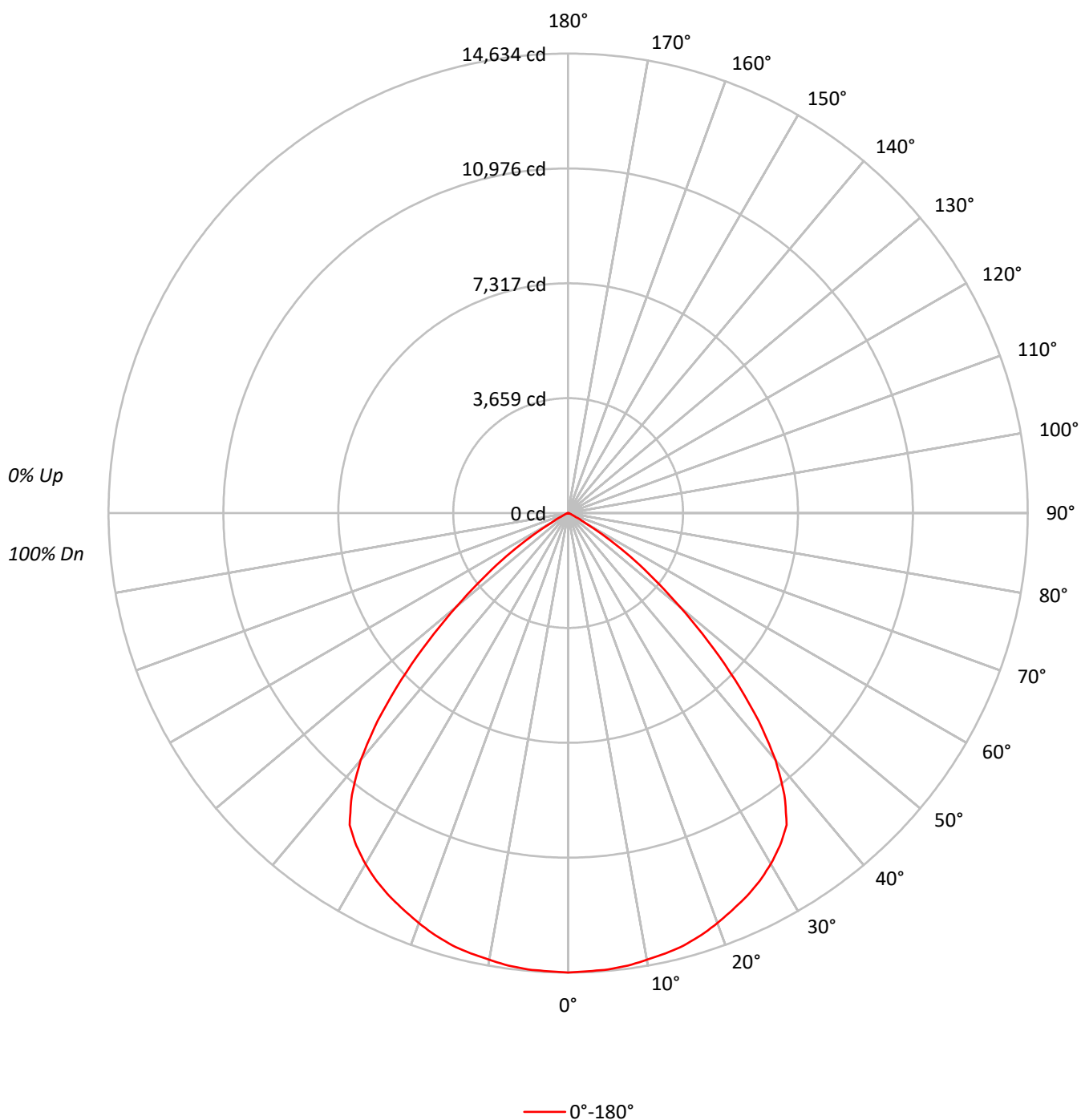
Lumens per Lamp: N/A
Luminaire Lumens: 27239.4 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107379
5°	107482
10°	107623
15°	108287
20°	108516
25°	108997
30°	109351
35°	108640
40°	98400
45°	77944
50°	52880
55°	30700
60°	9096
65°	2938
70°	1006
75°	607
80°	731
85°	943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77944 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1388.2	5.1
10°-20°	4023.2	14.8
20°-30°	6206.8	22.8
30°-40°	7441.0	27.3
40°-50°	5742.6	21.1
50°-60°	2184.4	8.0
60°-70°	215.4	0.8
70°-80°	26.7	0.1
80°-90°	11.2	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°	11618.1	42.7
0°-40°	19059.1	70.0
0°-60°	26986.1	99.1
0°-90°	27239.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27239.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14634	
5°	14592	###
15°	14255	4023
25°	13463	6207
35°	12128	7441
45°	7511	5743
55°	2400	2184
65°	169	215
75°	21	27
85°	11	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14634.1
2.5°	14604.6
5°	14592.3
7.5°	14538.3
10°	14444.5
12.5°	14360.9
15°	14254.9
17.5°	14094.8
20°	13897.1
22.5°	13677.9
25°	13462.8
27.5°	13208.9
30°	12906.2
32.5°	12552.4
35°	12128.3
37.5°	11309.7
40°	10272.9
42.5°	8975.2
45°	7511.3
47.5°	6034.1
50°	4632.4
52.5°	3434.5
55°	2399.8
57.5°	1432.3
60°	619.8
62.5°	285.4
65°	169.2
67.5°	92.8
70°	46.9
72.5°	28.5
75°	21.4
77.5°	19.4
80°	17.3
82.5°	15.3
85°	11.2
87.5°	6.1
90°	0.0

(END OF REPORT)