

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: P1504953

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504953
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 (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

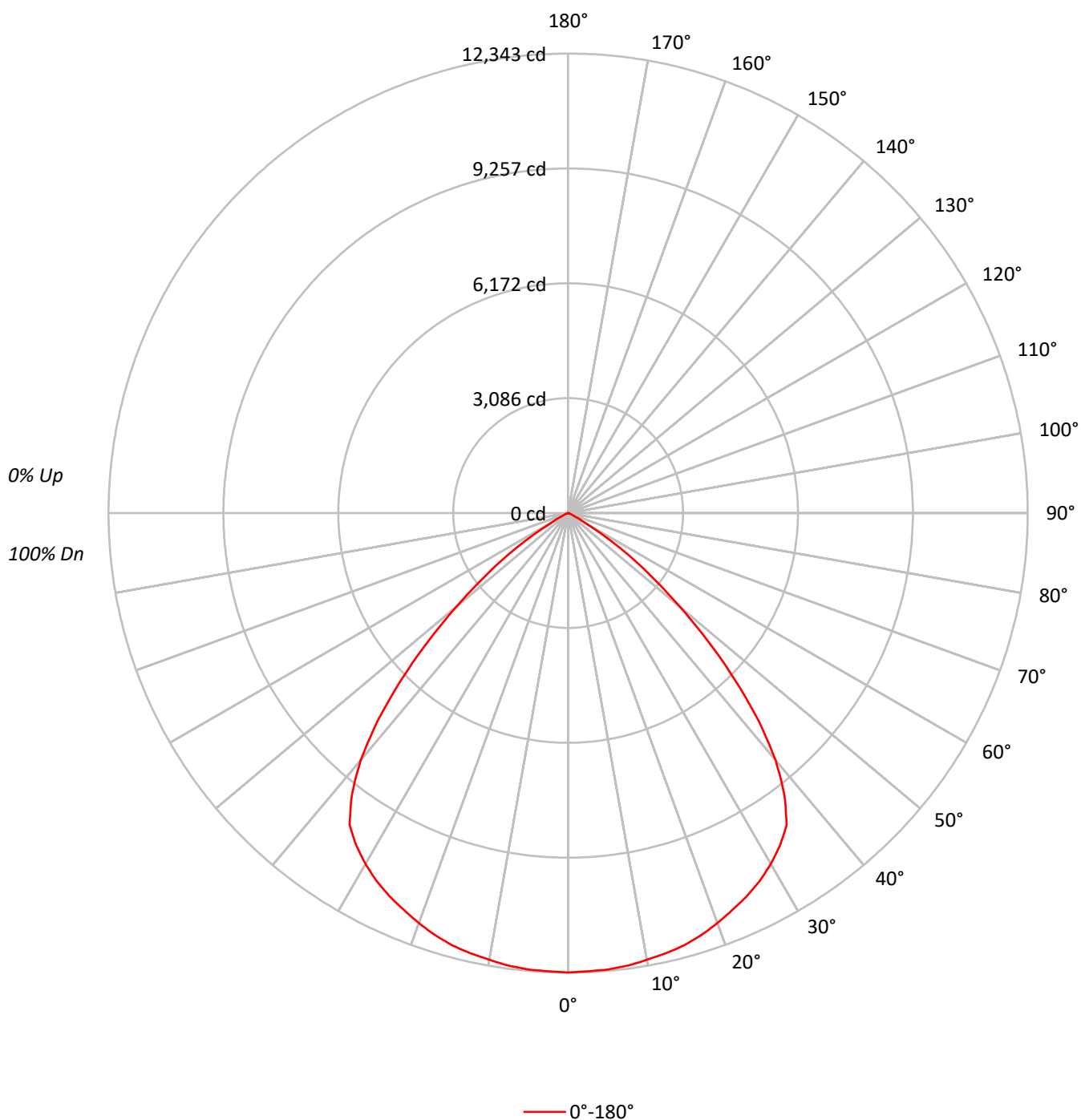
Lumens per Lamp: N/A
Luminaire Lumens: 22974.2 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.29
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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°	90566
5°	90652
10°	90771
15°	91331
20°	91524
25°	91930
30°	92228
35°	91629
40°	82993
45°	65739
50°	44600
55°	25893
60°	7672
65°	2478
70°	850
75°	513
80°	617
85°	800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65739 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1170.8	5.1
10°-20°	3393.2	14.8
20°-30°	5234.9	22.8
30°-40°	6275.9	27.3
40°-50°	4843.3	21.1
50°-60°	1842.4	8.0
60°-70°	181.6	0.8
70°-80°	22.6	0.1
80°-90°	9.5	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°	9798.9	42.7
0°-40°	16074.8	70.0
0°-60°	22760.5	99.1
0°-90°	22974.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22974.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12343	
5°	12307	###
15°	12023	3393
25°	11355	5235
35°	10229	6276
45°	6335	4843
55°	2024	1842
65°	143	182
75°	18	23
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12342.7
2.5°	12317.7
5°	12307.4
7.5°	12261.8
10°	12182.7
12.5°	12112.2
15°	12022.8
17.5°	11887.8
20°	11721.0
22.5°	11536.1
25°	11354.7
27.5°	11140.6
30°	10885.3
32.5°	10586.9
35°	10229.2
37.5°	9538.8
40°	8664.4
42.5°	7569.8
45°	6335.1
47.5°	5089.2
50°	3907.0
52.5°	2896.7
55°	2024.0
57.5°	1208.0
60°	522.8
62.5°	240.7
65°	142.7
67.5°	78.2
70°	39.6
72.5°	24.1
75°	18.1
77.5°	16.3
80°	14.6
82.5°	12.9
85°	9.5
87.5°	5.2
90°	0.0

(END OF REPORT)