

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: P1504960

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504960
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-80)
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_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

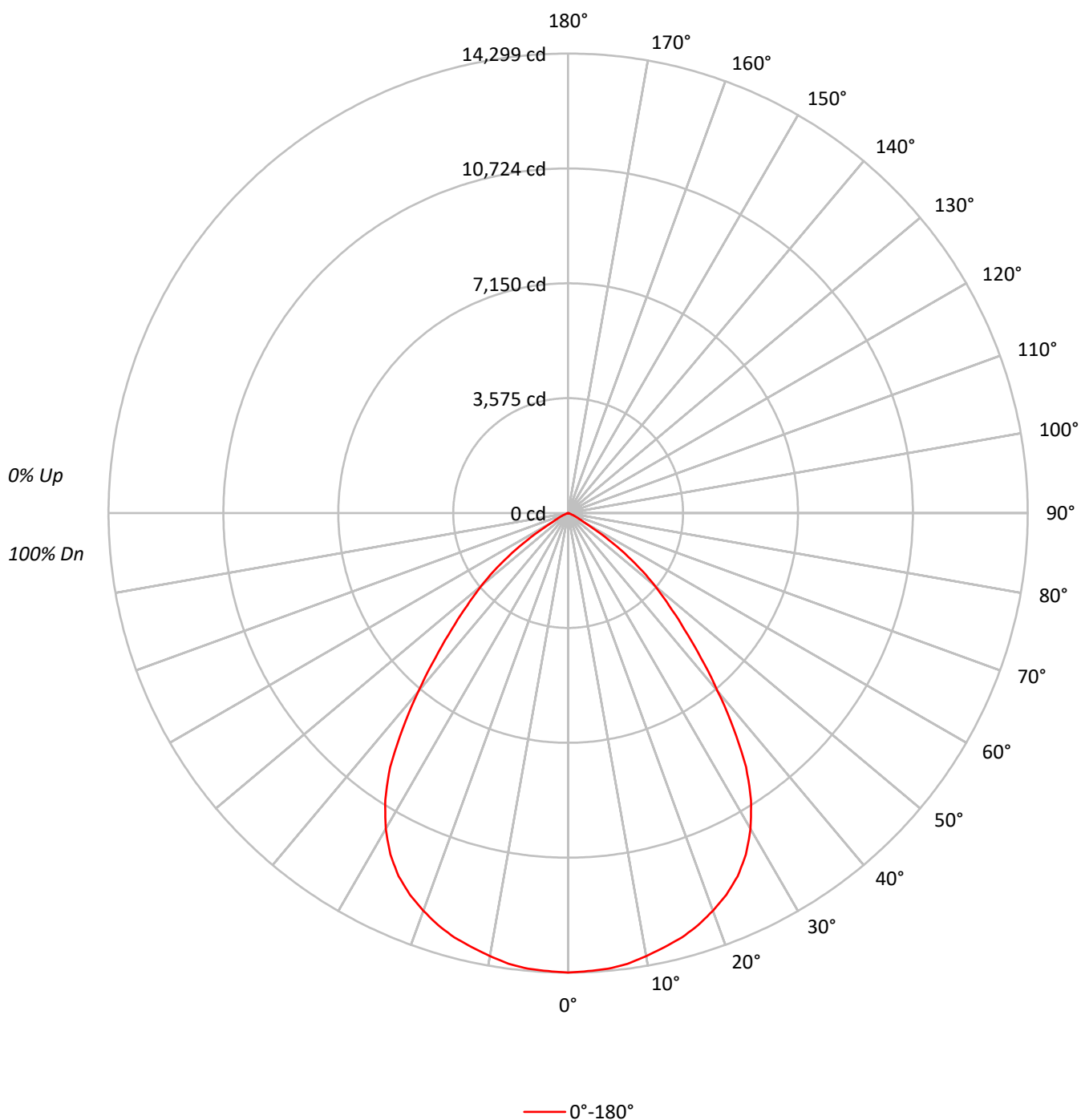
Lumens per Lamp: N/A
Luminaire Lumens: 22886.4 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 156.4
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
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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67		
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	69	62	57	68	61	57	66	61	57	65	60	56	54		
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104920
5°	104854
10°	104293
15°	103851
20°	102823
25°	100958
30°	96147
35°	86447
40°	69355
45°	53074
50°	40400
55°	25498
60°	8233
65°	4011
70°	1081
75°	420
80°	516
85°	581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 53074 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.2	5.9
10°-20°	3853.1	16.8
20°-30°	5710.6	25.0
30°-40°	5915.7	25.8
40°-50°	4004.3	17.5
50°-60°	1771.7	7.7
60°-70°	250.5	1.1
70°-80°	22.2	0.1
80°-90°	7.1	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°	10914.9	47.7
0°-40°	16830.7	73.5
0°-60°	22606.7	98.8
0°-90°	22886.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22886.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14299	
5°	14236	###
15°	13671	3853
25°	12470	5711
35°	9651	5916
45°	5115	4004
55°	1993	1772
65°	231	250
75°	15	22
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14298.9
2.5°	14265.0
5°	14235.5
7.5°	14146.1
10°	13997.5
12.5°	13836.0
15°	13671.0
17.5°	13446.0
20°	13168.1
22.5°	12854.6
25°	12469.9
27.5°	11977.4
30°	11347.8
32.5°	10590.4
35°	9650.7
37.5°	8457.4
40°	7240.6
42.5°	6118.6
45°	5114.6
47.5°	4261.7
50°	3539.1
52.5°	2777.4
55°	1993.2
57.5°	1195.0
60°	561.0
62.5°	365.6
65°	231.0
67.5°	119.9
70°	50.4
72.5°	24.3
75°	14.8
77.5°	13.9
80°	12.2
82.5°	9.6
85°	6.9
87.5°	3.5
90°	0.0

(END OF REPORT)