

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: P1504951

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504951
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 (4000K_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

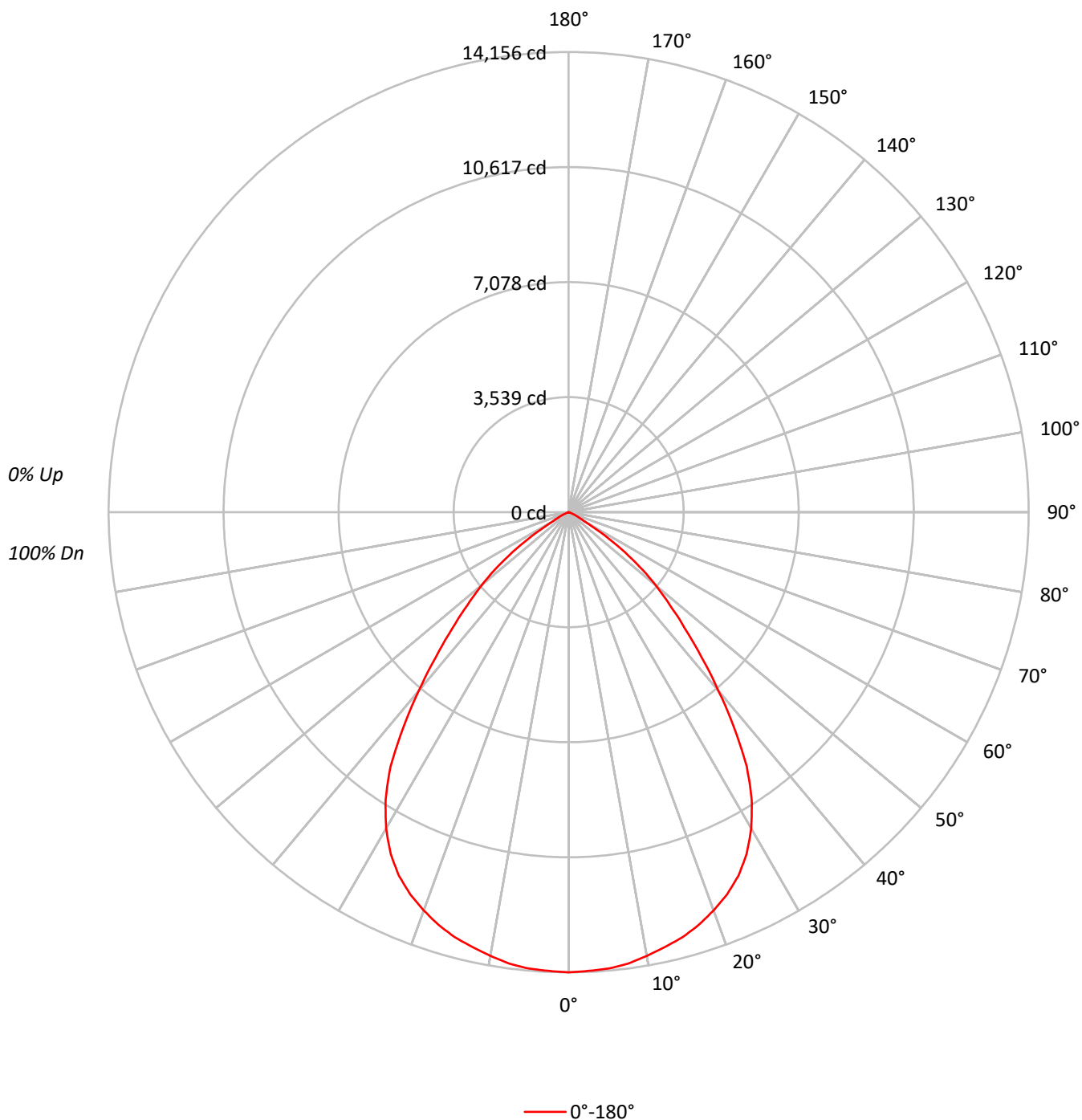
Lumens per Lamp: N/A
Luminaire Lumens: 22657.7 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 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					0
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	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°	103871
5°	103805
10°	103250
15°	102814
20°	101796
25°	99949
30°	95185
35°	85583
40°	68662
45°	52544
50°	39996
55°	25244
60°	8151
65°	3971
70°	1071
75°	414
80°	507
85°	581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52544 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1337.7	5.9
10°-20°	3814.6	16.8
20°-30°	5653.5	25.0
30°-40°	5856.6	25.8
40°-50°	3964.3	17.5
50°-60°	1754.0	7.7
60°-70°	248.0	1.1
70°-80°	21.9	0.1
80°-90°	7.0	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°	10805.8	47.7
0°-40°	16662.5	73.5
0°-60°	22380.8	98.8
0°-90°	22657.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22657.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14156	
5°	14093	###
15°	13534	3815
25°	12345	5654
35°	9554	5857
45°	5064	3964
55°	1973	1754
65°	229	248
75°	15	22
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14156.0
2.5°	14122.5
5°	14093.2
7.5°	14004.7
10°	13857.6
12.5°	13697.7
15°	13534.4
17.5°	13311.7
20°	13036.5
22.5°	12726.1
25°	12345.2
27.5°	11857.7
30°	11234.3
32.5°	10484.6
35°	9554.3
37.5°	8372.9
40°	7168.3
42.5°	6057.4
45°	5063.5
47.5°	4219.1
50°	3503.7
52.5°	2749.7
55°	1973.3
57.5°	1183.1
60°	555.4
62.5°	362.0
65°	228.7
67.5°	118.7
70°	49.9
72.5°	24.1
75°	14.6
77.5°	13.8
80°	12.0
82.5°	9.5
85°	6.9
87.5°	3.4
90°	0.0

(END OF REPORT)