

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: P1504969

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504969
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 (6500K_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

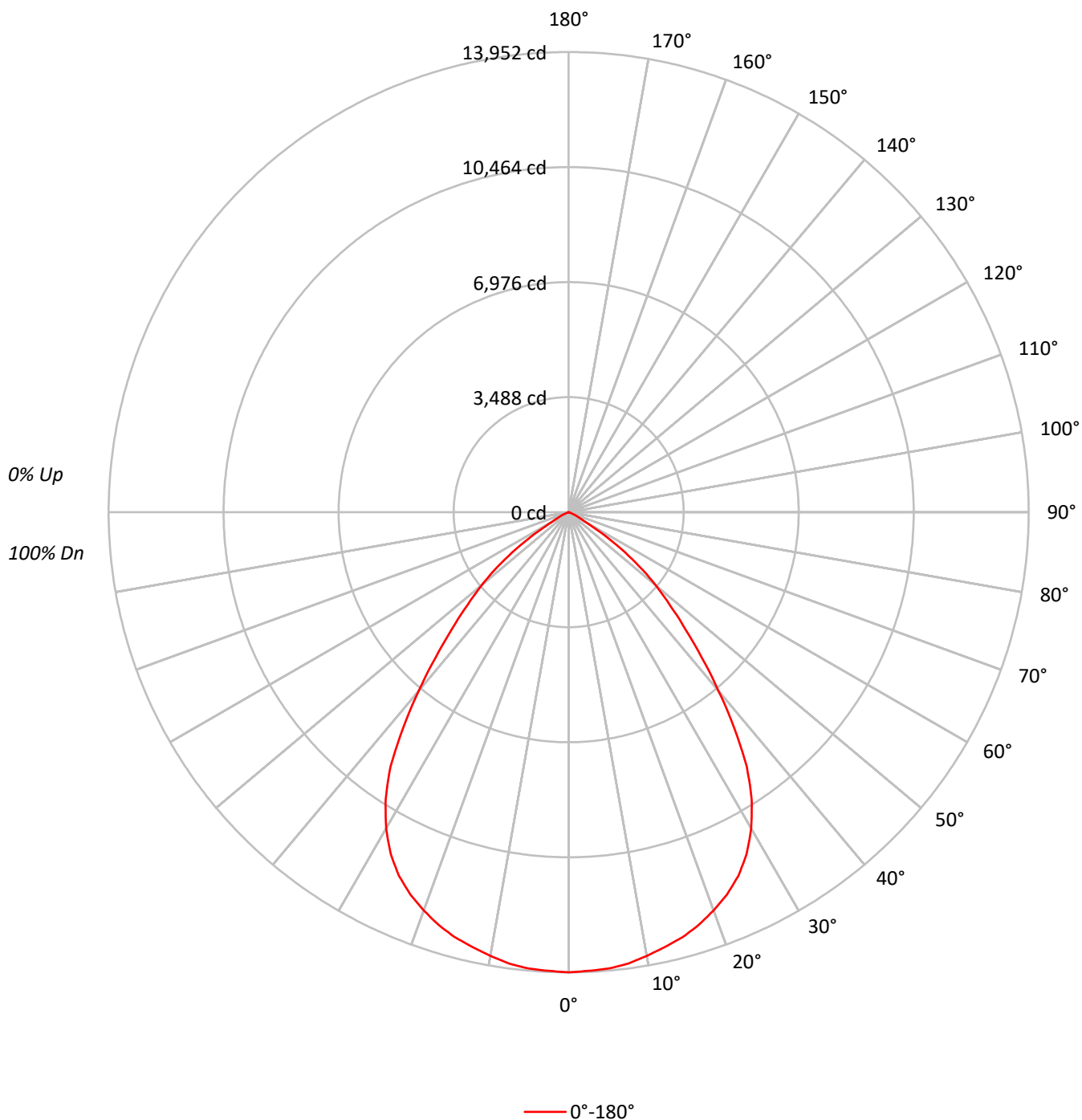
Lumens per Lamp: N/A
Luminaire Lumens: 22330.7 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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	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°	102373
5°	102308
10°	101761
15°	101330
20°	100327
25°	98507
30°	93813
35°	84348
40°	67672
45°	51785
50°	39419
55°	24879
60°	8033
65°	3913
70°	1053
75°	408
80°	503
85°	572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51785 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1318.4	5.9
10°-20°	3759.6	16.8
20°-30°	5572.0	25.0
30°-40°	5772.1	25.8
40°-50°	3907.1	17.5
50°-60°	1728.7	7.7
60°-70°	244.4	1.1
70°-80°	21.6	0.1
80°-90°	6.9	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°	10649.9	47.7
0°-40°	16422.1	73.5
0°-60°	22057.8	98.8
0°-90°	22330.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22330.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13952	
5°	13890	###
15°	13339	3760
25°	12167	5572
35°	9416	5772
45°	4990	3907
55°	1945	1729
65°	225	244
75°	14	22
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13951.8
2.5°	13918.7
5°	13889.9
7.5°	13802.6
10°	13657.7
12.5°	13500.1
15°	13339.1
17.5°	13119.6
20°	12848.4
22.5°	12542.5
25°	12167.1
27.5°	11686.6
30°	11072.3
32.5°	10333.3
35°	9416.4
37.5°	8252.1
40°	7064.9
42.5°	5970.0
45°	4990.4
47.5°	4158.2
50°	3453.2
52.5°	2710.0
55°	1944.8
57.5°	1166.0
60°	547.4
62.5°	356.8
65°	225.4
67.5°	116.9
70°	49.1
72.5°	23.7
75°	14.4
77.5°	13.6
80°	11.9
82.5°	9.3
85°	6.8
87.5°	3.4
90°	0.0

(END OF REPORT)