

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: P1504975

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504975
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_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

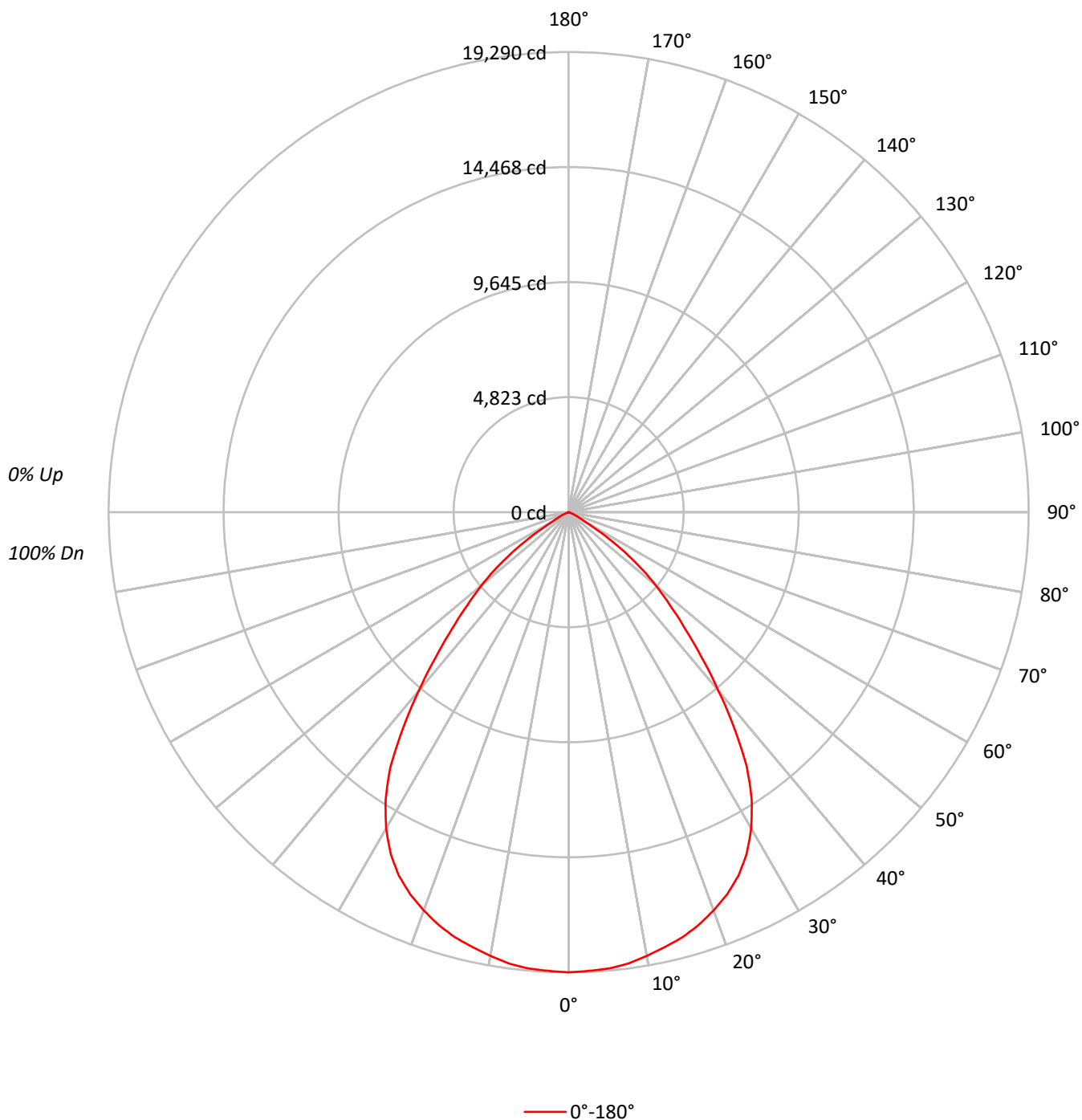
Lumens per Lamp: N/A
Luminaire Lumens: 30875.3 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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°	141544
5°	141455
10°	140698
15°	140102
20°	138716
25°	136199
30°	129708
35°	116623
40°	93564
45°	71600
50°	54502
55°	34400
60°	11108
65°	5412
70°	1459
75°	564
80°	693
85°	791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1822.9	5.9
10°-20°	5198.1	16.8
20°-30°	7704.0	25.0
30°-40°	7980.8	25.8
40°-50°	5402.1	17.5
50°-60°	2390.1	7.7
60°-70°	337.9	1.1
70°-80°	29.9	0.1
80°-90°	9.6	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°	14725.0	47.7
0°-40°	22705.7	73.5
0°-60°	30497.9	98.8
0°-90°	30875.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30875.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19290	
5°	19205	###
15°	18443	5198
25°	16823	7704
35°	13020	7981
45°	6900	5402
55°	2689	2390
65°	312	338
75°	20	30
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19290.2
2.5°	19244.5
5°	19204.7
7.5°	19084.0
10°	18883.6
12.5°	18665.7
15°	18443.1
17.5°	18139.6
20°	17764.7
22.5°	17341.7
25°	16822.7
27.5°	16158.3
30°	15308.9
32.5°	14287.2
35°	13019.5
37.5°	11409.6
40°	9768.1
42.5°	8254.3
45°	6899.9
47.5°	5749.3
50°	4774.5
52.5°	3747.0
55°	2689.0
57.5°	1612.2
60°	756.9
62.5°	493.3
65°	311.7
67.5°	161.7
70°	68.0
72.5°	32.8
75°	19.9
77.5°	18.7
80°	16.4
82.5°	12.9
85°	9.4
87.5°	4.7
90°	0.0

(END OF REPORT)