

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: P1505322

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505322
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-93)
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-B-04-BLAK-PS (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

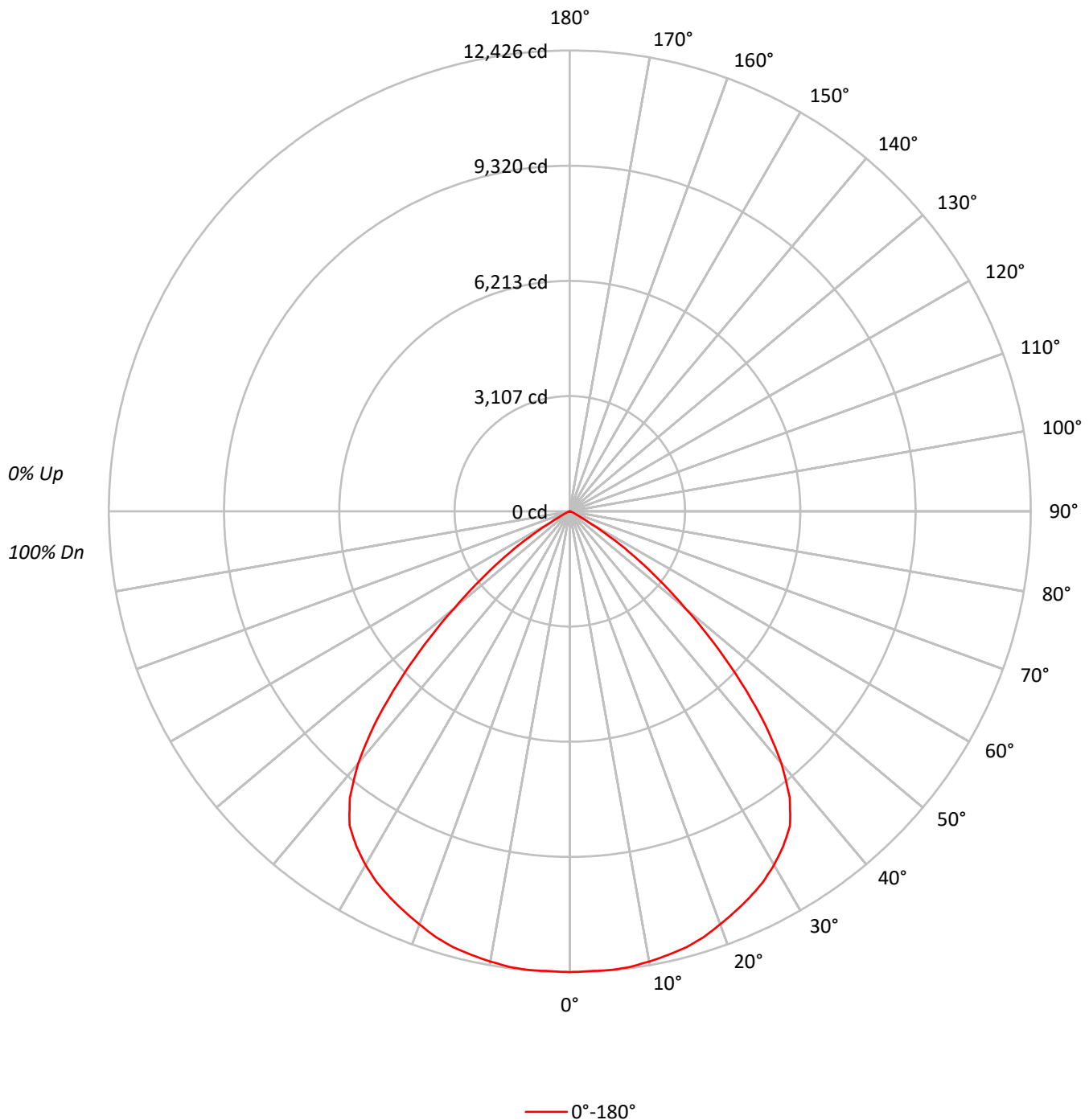
Lumens per Lamp: N/A
Luminaire Lumens: 23438.2 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	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	98	99	97	96	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88996
5°	89280
10°	89637
15°	90198
20°	90319
25°	90743
30°	91057
35°	90512
40°	83032
45°	66255
50°	45296
55°	26557
60°	8061
65°	2545
70°	873
75°	529
80°	643
85°	789

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1182.5	5.0
10°-20°	3433.0	14.6
20°-30°	5295.1	22.6
30°-40°	6372.9	27.2
40°-50°	4998.6	21.3
50°-60°	1931.6	8.2
60°-70°	190.5	0.8
70°-80°	24.3	0.1
80°-90°	9.7	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°	9910.6	42.3
0°-40°	16283.6	69.5
0°-60°	23213.8	99.0
0°-90°	23438.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23438.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12426	
5°	12419	###
15°	12165	3433
25°	11483	5295
35°	10352	6373
45°	6542	4999
55°	2127	1932
65°	150	190
75°	19	24
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12426.4
2.5°	12409.1
5°	12418.6
7.5°	12392.6
10°	12325.7
12.5°	12251.0
15°	12165.0
17.5°	12033.0
20°	11850.6
22.5°	11670.8
25°	11483.2
27.5°	11271.3
30°	11010.8
32.5°	10705.1
35°	10352.5
37.5°	9735.0
40°	8881.2
42.5°	7787.8
45°	6541.5
47.5°	5282.2
50°	4065.4
52.5°	3014.5
55°	2126.9
57.5°	1289.7
60°	562.8
62.5°	244.9
65°	150.2
67.5°	81.6
70°	41.7
72.5°	26.9
75°	19.1
77.5°	17.4
80°	15.6
82.5°	13.0
85°	9.6
87.5°	5.2
90°	0.0

(END OF REPORT)