

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: P1505457

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505457
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
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-WHGL-PS (5000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

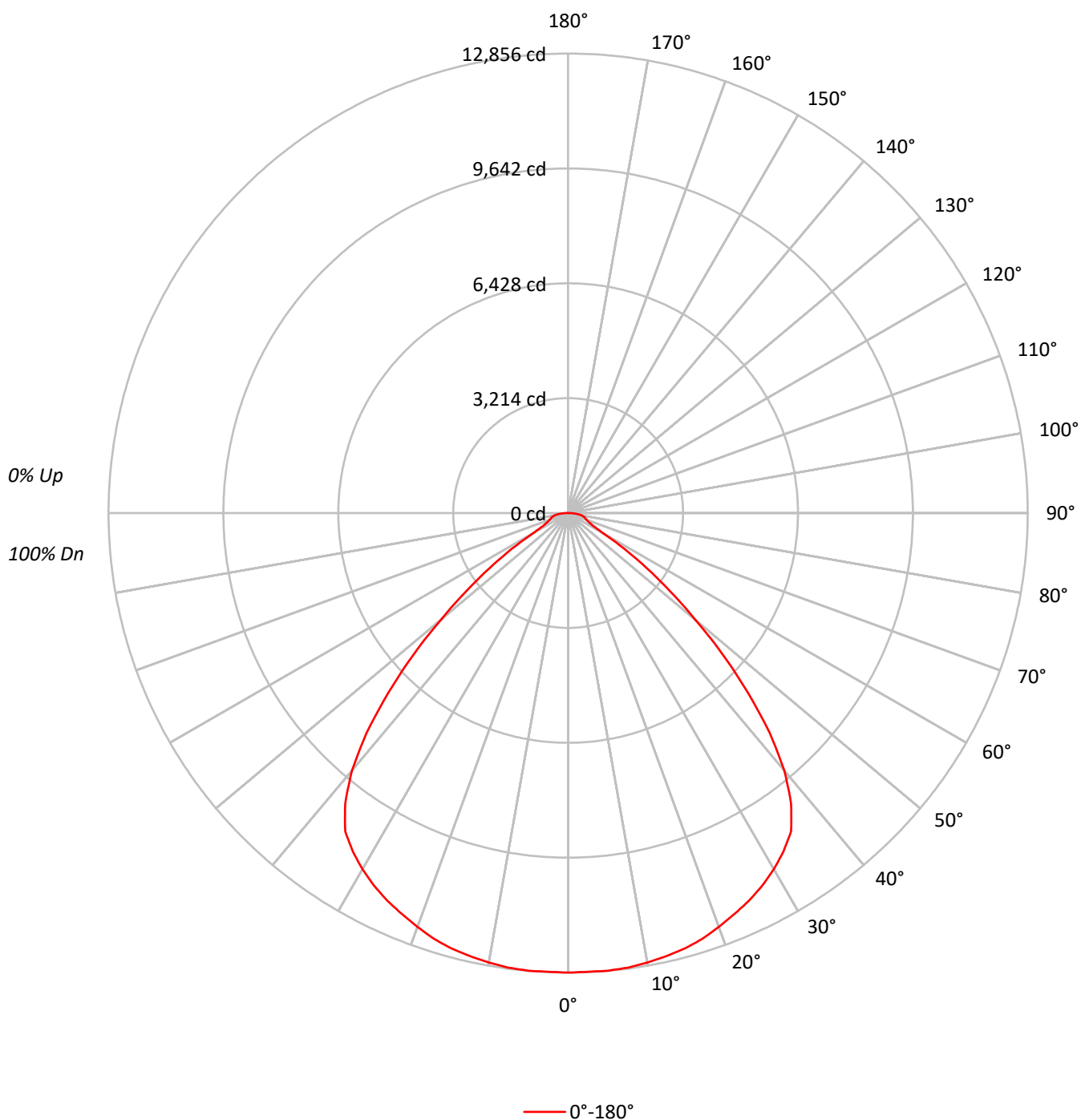
Lumens per Lamp: N/A
Luminaire Lumens: 26324.9 lumens
Efficiency: N/A
Efficacy: 168.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71			70
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64			62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57			55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51			49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46			44
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42			40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38			37
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92070
5°	92390
10°	92852
15°	93507
20°	93907
25°	94546
30°	95115
35°	95053
40°	87928
45°	72008
50°	51751
55°	33563
60°	16097
65°	11539
70°	11347
75°	13266
80°	15904
85°	18267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1224.1	4.6
10°-20°	3561.3	13.5
20°-30°	5517.5	21.0
30°-40°	6694.1	25.4
40°-50°	5436.4	20.7
50°-60°	2443.1	9.3
60°-70°	718.3	2.7
70°-80°	500.6	1.9
80°-90°	229.5	0.9
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°	10302.9	39.1
0°-40°	16996.9	64.6
0°-60°	24876.5	94.5
0°-90°	26324.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26324.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12856	
5°	12851	###
15°	12611	3561
25°	11964	5517
35°	10872	6694
45°	7110	5436
55°	2688	2443
65°	681	718
75°	479	501
85°	222	230
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12855.5
2.5°	12844.2
5°	12851.1
7.5°	12828.5
10°	12767.8
12.5°	12697.4
15°	12611.4
17.5°	12489.0
20°	12321.3
22.5°	12145.0
25°	11964.4
27.5°	11754.2
30°	11501.5
32.5°	11214.9
35°	10871.8
37.5°	10242.2
40°	9404.9
42.5°	8341.9
45°	7109.5
47.5°	5866.7
50°	4644.7
52.5°	3590.4
55°	2688.0
57.5°	1863.8
60°	1123.8
62.5°	798.1
65°	680.9
67.5°	595.8
70°	541.9
72.5°	510.7
75°	479.4
77.5°	441.2
80°	385.6
82.5°	315.3
85°	222.3
87.5°	112.9
90°	0.0

(END OF REPORT)