

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: P1505430

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505430
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 (3000K_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

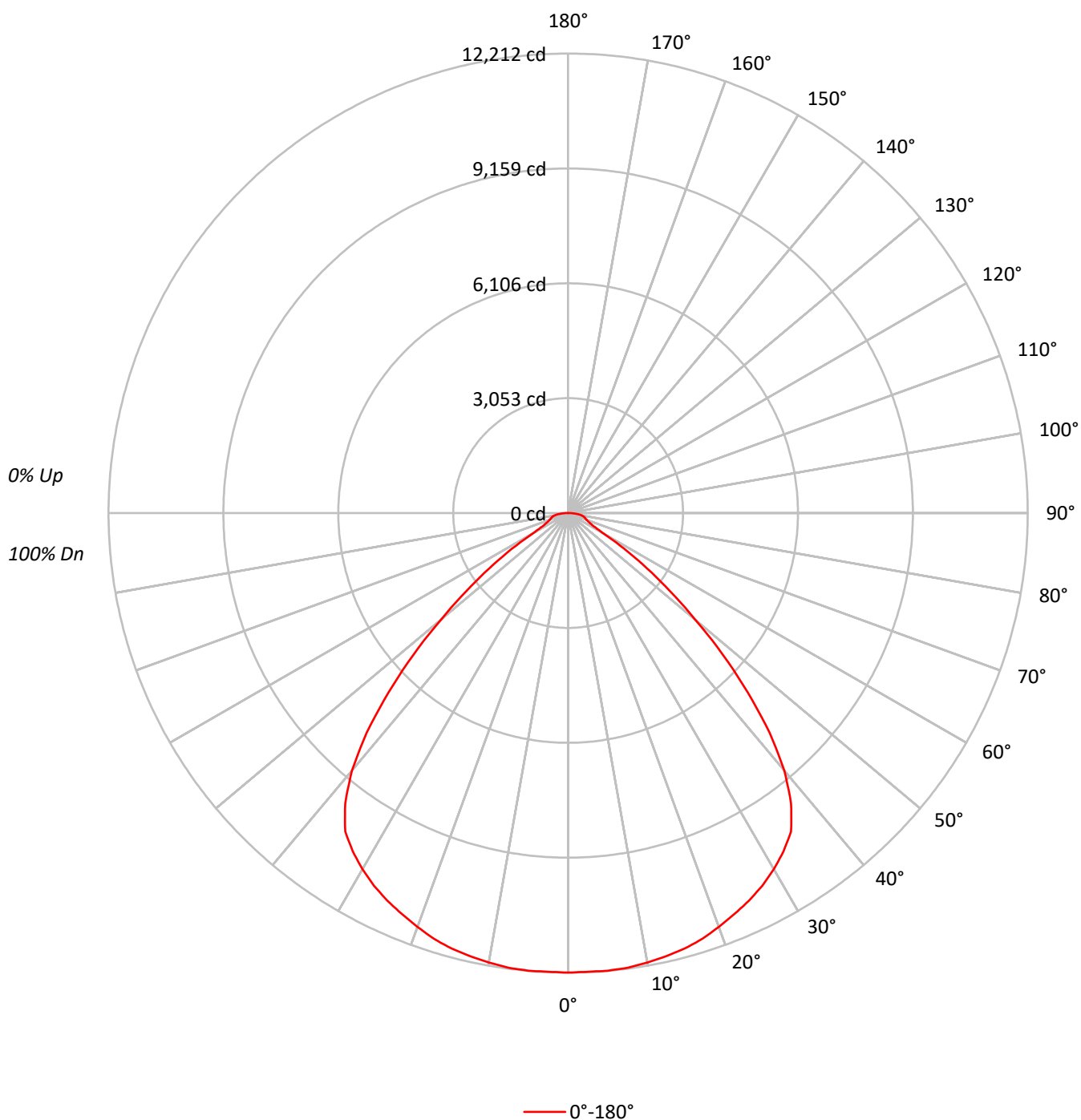
Lumens per Lamp: N/A
Luminaire Lumens: 25006.7 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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					0
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		100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		70
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55		55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		44
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40		40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		37
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87459
5°	87763
10°	88202
15°	88825
20°	89204
25°	89811
30°	90352
35°	90293
40°	83525
45°	68402
50°	49159
55°	31883
60°	15292
65°	10961
70°	10780
75°	12602
80°	15108
85°	17355

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68402 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1162.8	4.6
10°-20°	3383.0	13.5
20°-30°	5241.1	21.0
30°-40°	6358.8	25.4
40°-50°	5164.2	20.7
50°-60°	2320.8	9.3
60°-70°	682.4	2.7
70°-80°	475.6	1.9
80°-90°	218.0	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°	9786.9	39.1
0°-40°	16145.8	64.6
0°-60°	23630.8	94.5
0°-90°	25006.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25006.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12212	
5°	12208	###
15°	11980	3383
25°	11365	5241
35°	10327	6359
45°	6754	5164
55°	2553	2321
65°	647	682
75°	455	476
85°	211	218
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12211.7
2.5°	12201.0
5°	12207.6
7.5°	12186.1
10°	12128.4
12.5°	12061.5
15°	11979.9
17.5°	11863.5
20°	11704.3
22.5°	11536.8
25°	11365.2
27.5°	11165.6
30°	10925.5
32.5°	10653.3
35°	10327.4
37.5°	9729.3
40°	8934.0
42.5°	7924.2
45°	6753.5
47.5°	5572.9
50°	4412.1
52.5°	3410.6
55°	2553.4
57.5°	1770.5
60°	1067.6
62.5°	758.2
65°	646.8
67.5°	566.0
70°	514.8
72.5°	485.1
75°	455.4
77.5°	419.1
80°	366.3
82.5°	299.5
85°	211.2
87.5°	107.3
90°	0.0

(END OF REPORT)