

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: P1505077

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505077
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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-WHGL-PS (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

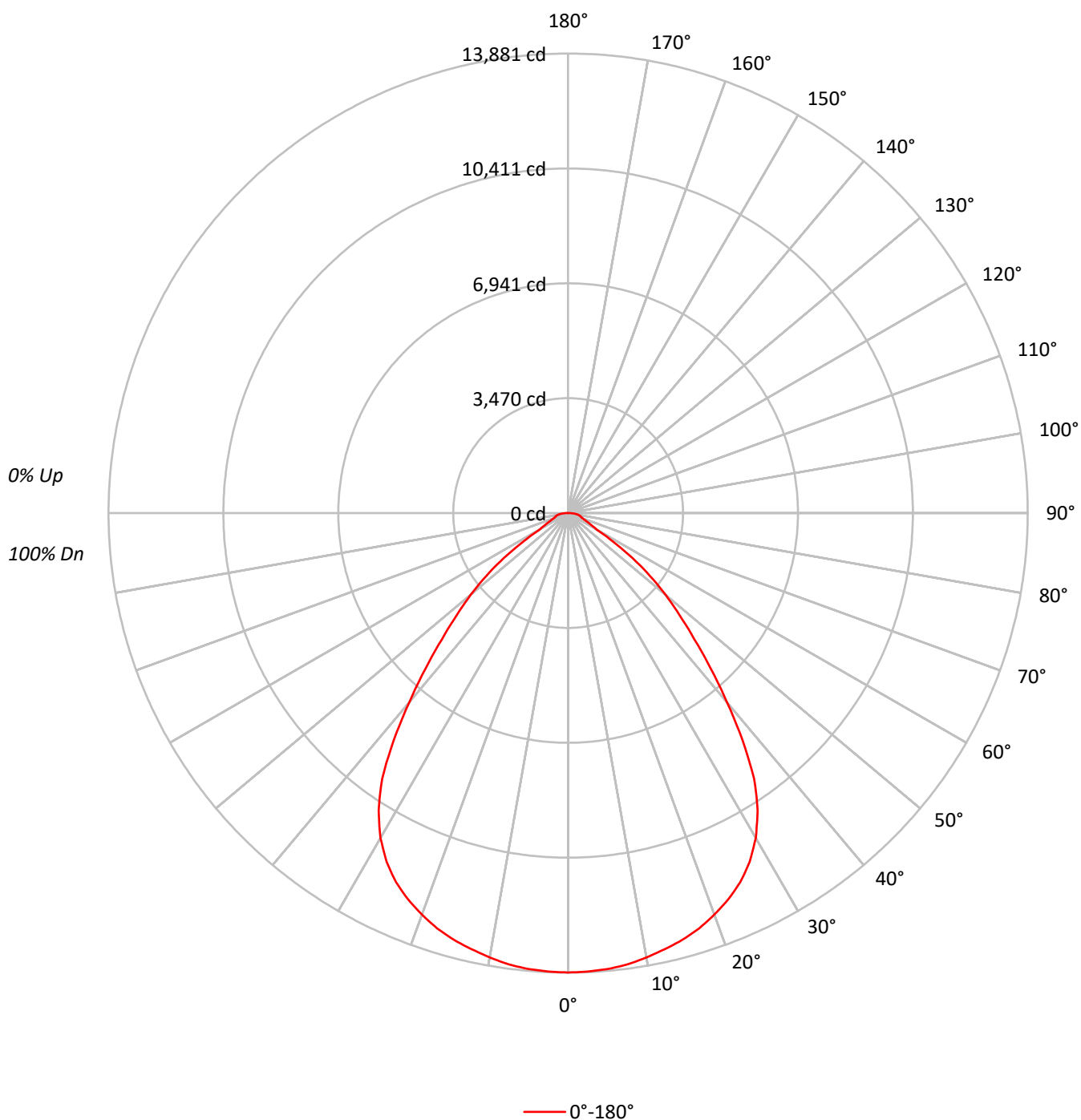
Lumens per Lamp: N/A
Luminaire Lumens: 24307.8 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	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°	101854
5°	101851
10°	101557
15°	101391
20°	100804
25°	99603
30°	96017
35°	87722
40°	71579
45°	55908
50°	43813
55°	30319
60°	14526
65°	11376
70°	9764
75°	11065
80°	13230
85°	15525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55908 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1313.6	5.4
10°-20°	3764.6	15.5
20°-30°	5641.3	23.2
30°-40°	5997.6	24.7
40°-50°	4216.2	17.3
50°-60°	2105.5	8.7
60°-70°	669.3	2.8
70°-80°	410.1	1.7
80°-90°	189.5	0.8
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°	10719.6	44.1
0°-40°	16717.2	68.8
0°-60°	23038.9	94.8
0°-90°	24307.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24307.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13881	
5°	13828	###
15°	13347	3765
25°	12302	5641
35°	9793	5998
45°	5388	4216
55°	2370	2105
65°	655	669
75°	390	410
85°	184	190
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13881.1
2.5°	13859.5
5°	13827.9
7.5°	13751.5
10°	13630.3
12.5°	13494.1
15°	13347.1
17.5°	13154.5
20°	12909.5
22.5°	12633.8
25°	12302.5
27.5°	11875.6
30°	11332.5
32.5°	10650.8
35°	9793.0
37.5°	8647.8
40°	7472.8
42.5°	6375.9
45°	5387.7
47.5°	4556.4
50°	3838.1
52.5°	3114.0
55°	2370.0
57.5°	1601.0
60°	989.8
62.5°	798.9
65°	655.2
67.5°	534.0
70°	455.1
72.5°	418.5
75°	390.3
77.5°	359.6
80°	313.1
82.5°	254.1
85°	184.4
87.5°	101.3
90°	0.0

(END OF REPORT)