

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: P1505438

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505438
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
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 (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

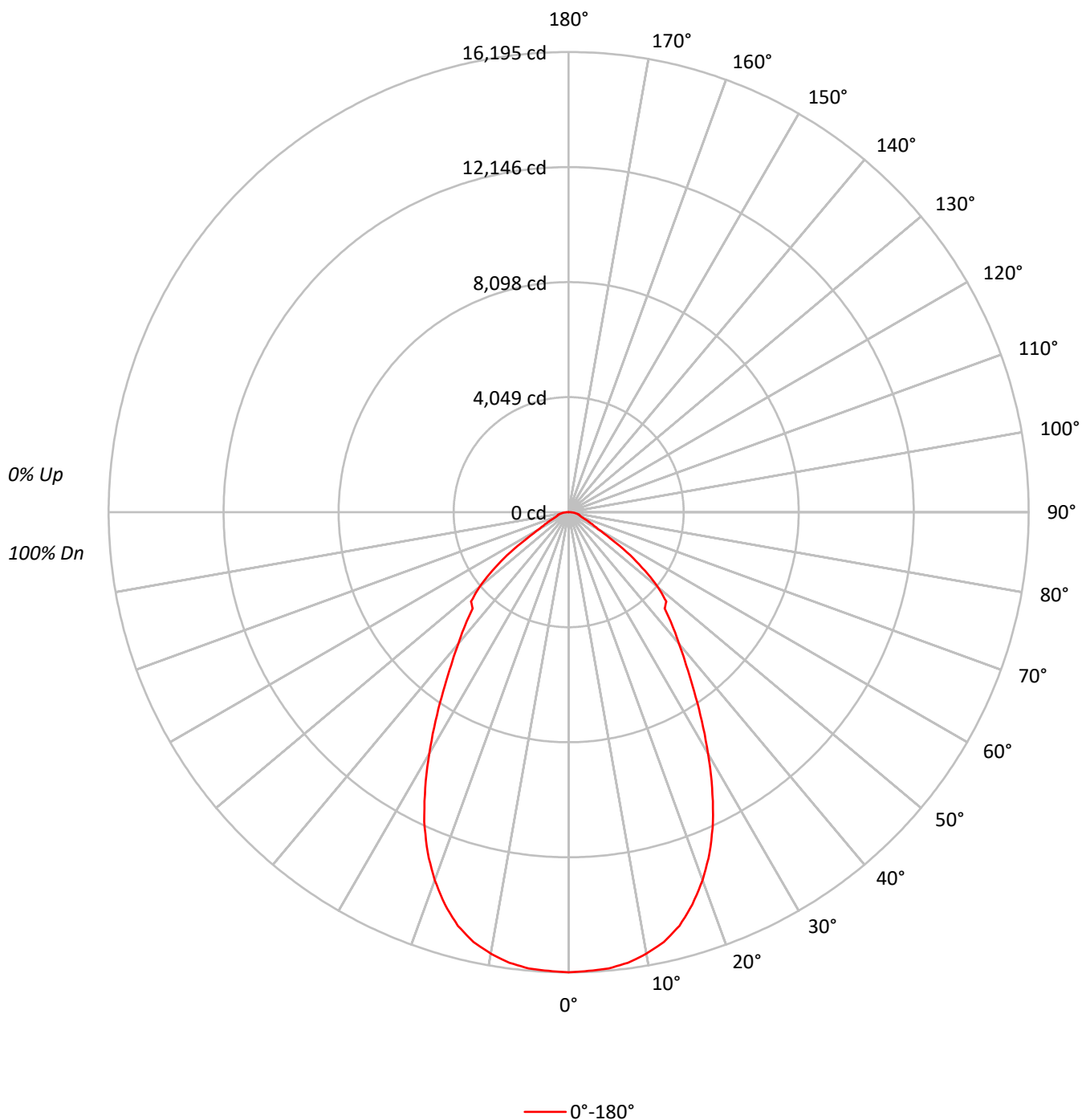
Lumens per Lamp: N/A
Luminaire Lumens: 23565.6 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115984
5°	115889
10°	114735
15°	111720
20°	104997
25°	95025
30°	81117
35°	67281
40°	56519
45°	48404
50°	45753
55°	32963
60°	17200
65°	12891
70°	9946
75°	10684
80°	12089
85°	12622

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 49412 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1527.8	6.5
10°-20°	4210.1	17.9
20°-30°	5468.1	23.2
30°-40°	4844.2	20.6
40°-50°	3835.1	16.3
50°-60°	2331.9	9.9
60°-70°	777.2	3.3
70°-80°	406.8	1.7
80°-90°	164.4	0.7
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°	11206.0	47.6
0°-40°	16050.2	68.1
0°-60°	22217.2	94.3
0°-90°	23565.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23565.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16195	
5°	16120	###
15°	15068	4210
25°	12025	5468
35°	7695	4844
45°	4779	3835
55°	2640	2332
65°	761	777
75°	386	407
85°	154	164
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	16194.6
2.5°	16159.7
5°	16119.8
7.5°	15995.3
10°	15776.9
12.5°	15495.4
15°	15067.7
17.5°	14479.0
20°	13776.4
22.5°	12970.9
25°	12025.1
27.5°	10934.8
30°	9808.8
32.5°	8720.9
35°	7695.4
37.5°	6797.7
40°	6045.4
42.5°	5387.7
45°	4779.0
47.5°	4661.1
50°	4106.4
52.5°	3388.1
55°	2639.9
57.5°	1829.4
60°	1200.8
62.5°	965.8
65°	760.7
67.5°	586.3
70°	475.0
72.5°	422.7
75°	386.1
77.5°	347.9
80°	293.1
82.5°	227.5
85°	153.6
87.5°	76.4
90°	0.0

(END OF REPORT)