

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: P1505455

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505455
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-98)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

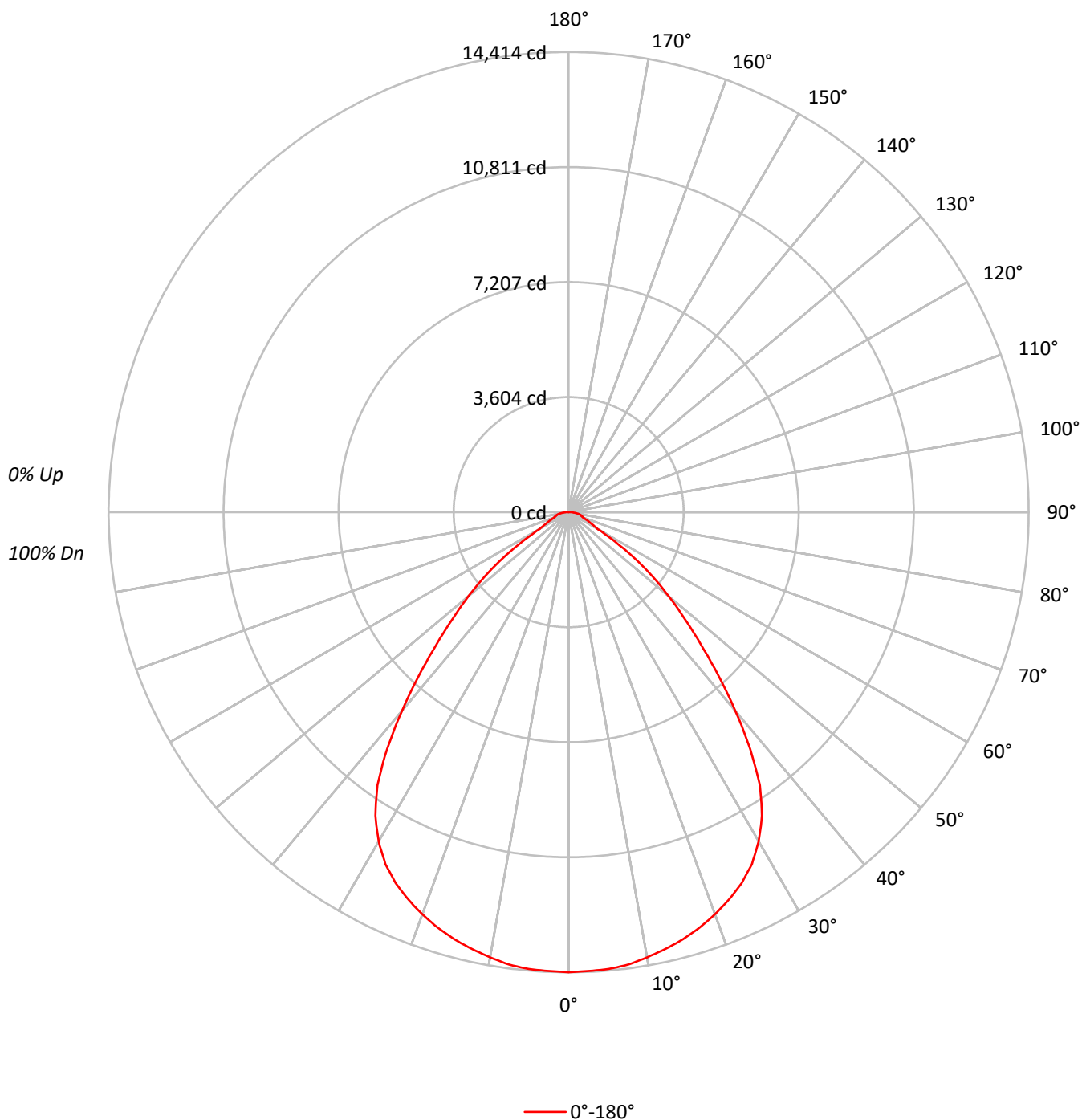
Lumens per Lamp: N/A
Luminaire Lumens: 25695.5 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	92	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	77	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	59	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103234
5°	103286
10°	102977
15°	102671
20°	102162
25°	101320
30°	98484
35°	91317
40°	75952
45°	59174
50°	45655
55°	31622
60°	14904
65°	11686
70°	10020
75°	11271
80°	13037
85°	14627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1364.9	5.3
10°-20°	3907.1	15.2
20°-30°	5886.1	22.9
30°-40°	6403.3	24.9
40°-50°	4563.7	17.8
50°-60°	2253.9	8.8
60°-70°	704.8	2.7
70°-80°	426.3	1.7
80°-90°	185.3	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°	11158.1	43.4
0°-40°	17561.4	68.3
0°-60°	24379.1	94.9
0°-90°	25695.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25695.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14414	
5°	14367	###
15°	13847	3907
25°	12822	5886
35°	10444	6403
45°	5842	4564
55°	2532	2254
65°	690	705
75°	407	426
85°	178	185
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14414.4
2.5°	14385.8
5°	14366.7
7.5°	14296.3
10°	14160.0
12.5°	14014.0
15°	13847.3
17.5°	13642.3
20°	13404.4
22.5°	13130.8
25°	12821.6
27.5°	12428.2
30°	11908.8
32.5°	11267.9
35°	10444.5
37.5°	9340.7
40°	8123.9
42.5°	6936.7
45°	5842.4
47.5°	4902.7
50°	4097.6
52.5°	3323.7
55°	2532.5
57.5°	1742.2
60°	1040.5
62.5°	841.6
65°	689.6
67.5°	563.7
70°	478.5
72.5°	439.5
75°	407.3
77.5°	370.0
80°	316.1
82.5°	251.9
85°	178.0
87.5°	92.9
90°	0.0

(END OF REPORT)