

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: P1505448

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505448
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 (4000K_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

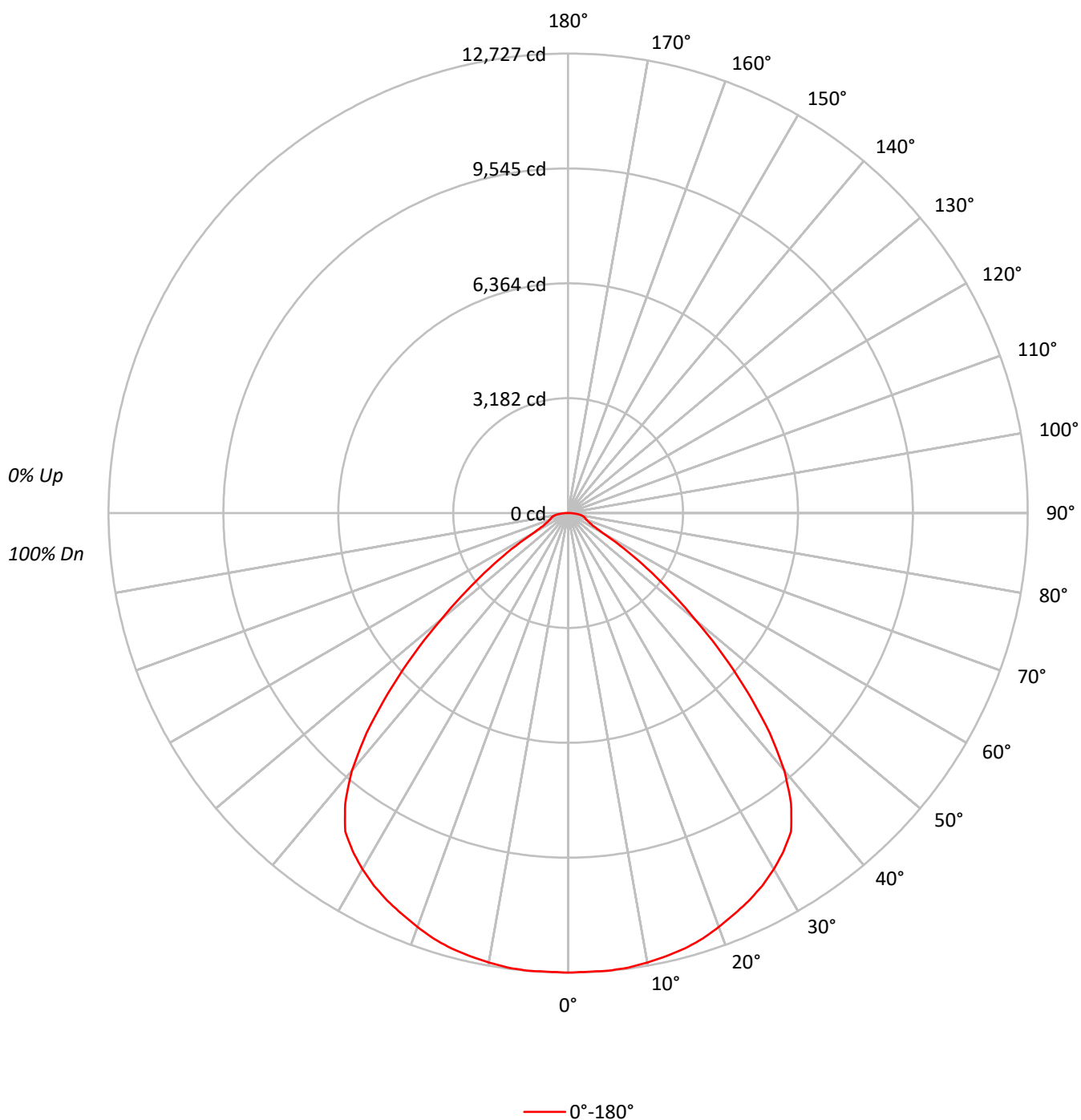
Lumens per Lamp: N/A
Luminaire Lumens: 26061.8 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 155.7
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	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°	91149
5°	91466
10°	91923
15°	92573
20°	92969
25°	93601
30°	94164
35°	94103
40°	87049
45°	71288
50°	51234
55°	33227
60°	15937
65°	11424
70°	11234
75°	13133
80°	15747
85°	18086

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1211.9	4.6
10°-20°	3525.7	13.5
20°-30°	5462.3	21.0
30°-40°	6627.2	25.4
40°-50°	5382.1	20.7
50°-60°	2418.7	9.3
60°-70°	711.1	2.7
70°-80°	495.6	1.9
80°-90°	227.2	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°	10199.9	39.1
0°-40°	16827.1	64.6
0°-60°	24627.9	94.5
0°-90°	26061.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26061.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12727	
5°	12723	###
15°	12485	3526
25°	11845	5462
35°	10763	6627
45°	7038	5382
55°	2661	2419
65°	674	711
75°	475	496
85°	220	227
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12727.0
2.5°	12715.8
5°	12722.7
7.5°	12700.3
10°	12640.1
12.5°	12570.5
15°	12485.4
17.5°	12364.1
20°	12198.2
22.5°	12023.7
25°	11844.8
27.5°	11636.7
30°	11386.5
32.5°	11102.8
35°	10763.2
37.5°	10139.8
40°	9310.9
42.5°	8258.5
45°	7038.4
47.5°	5808.1
50°	4598.3
52.5°	3554.5
55°	2661.1
57.5°	1845.2
60°	1112.6
62.5°	790.2
65°	674.1
67.5°	589.8
70°	536.5
72.5°	505.6
75°	474.6
77.5°	436.8
80°	381.8
82.5°	312.1
85°	220.1
87.5°	111.8
90°	0.0

(END OF REPORT)