

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: P1505464

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505464
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 (6500K_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

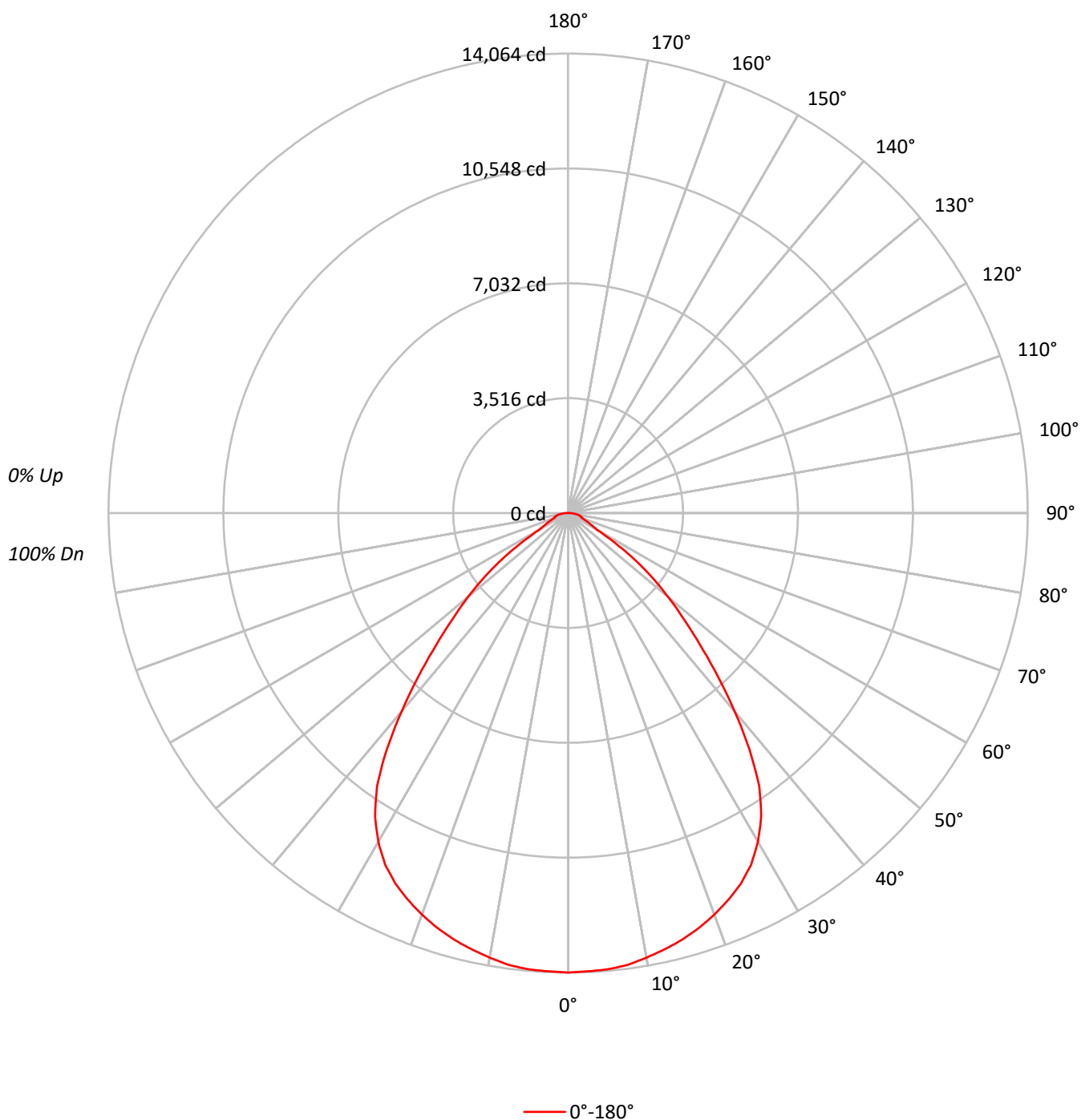
Lumens per Lamp: N/A
Luminaire Lumens: 25071.6 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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°	100728
5°	100778
10°	100476
15°	100178
20°	99681
25°	98860
30°	96093
35°	89100
40°	74108
45°	57737
50°	44546
55°	30854
60°	14541
65°	11402
70°	9777
75°	10997
80°	12724
85°	14274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57737 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1331.8	5.3
10°-20°	3812.2	15.2
20°-30°	5743.2	22.9
30°-40°	6247.9	24.9
40°-50°	4452.9	17.8
50°-60°	2199.2	8.8
60°-70°	687.6	2.7
70°-80°	416.0	1.7
80°-90°	180.8	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°	10887.2	43.4
0°-40°	17135.1	68.3
0°-60°	23787.2	94.9
0°-90°	25071.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25071.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14064	
5°	14018	###
15°	13511	3812
25°	12510	5743
35°	10191	6248
45°	5700	4453
55°	2471	2199
65°	673	688
75°	397	416
85°	174	181
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14064.5
2.5°	14036.5
5°	14017.9
7.5°	13949.2
10°	13816.2
12.5°	13673.8
15°	13511.1
17.5°	13311.1
20°	13078.9
22.5°	12812.0
25°	12510.3
27.5°	12126.4
30°	11619.7
32.5°	10994.3
35°	10191.0
37.5°	9113.9
40°	7926.7
42.5°	6768.3
45°	5700.5
47.5°	4783.6
50°	3998.1
52.5°	3243.0
55°	2471.0
57.5°	1699.9
60°	1015.2
62.5°	821.1
65°	672.8
67.5°	550.0
70°	466.9
72.5°	428.8
75°	397.4
77.5°	361.0
80°	308.5
82.5°	245.7
85°	173.7
87.5°	90.7
90°	0.0

(END OF REPORT)