

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: P1505074

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505074
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 (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

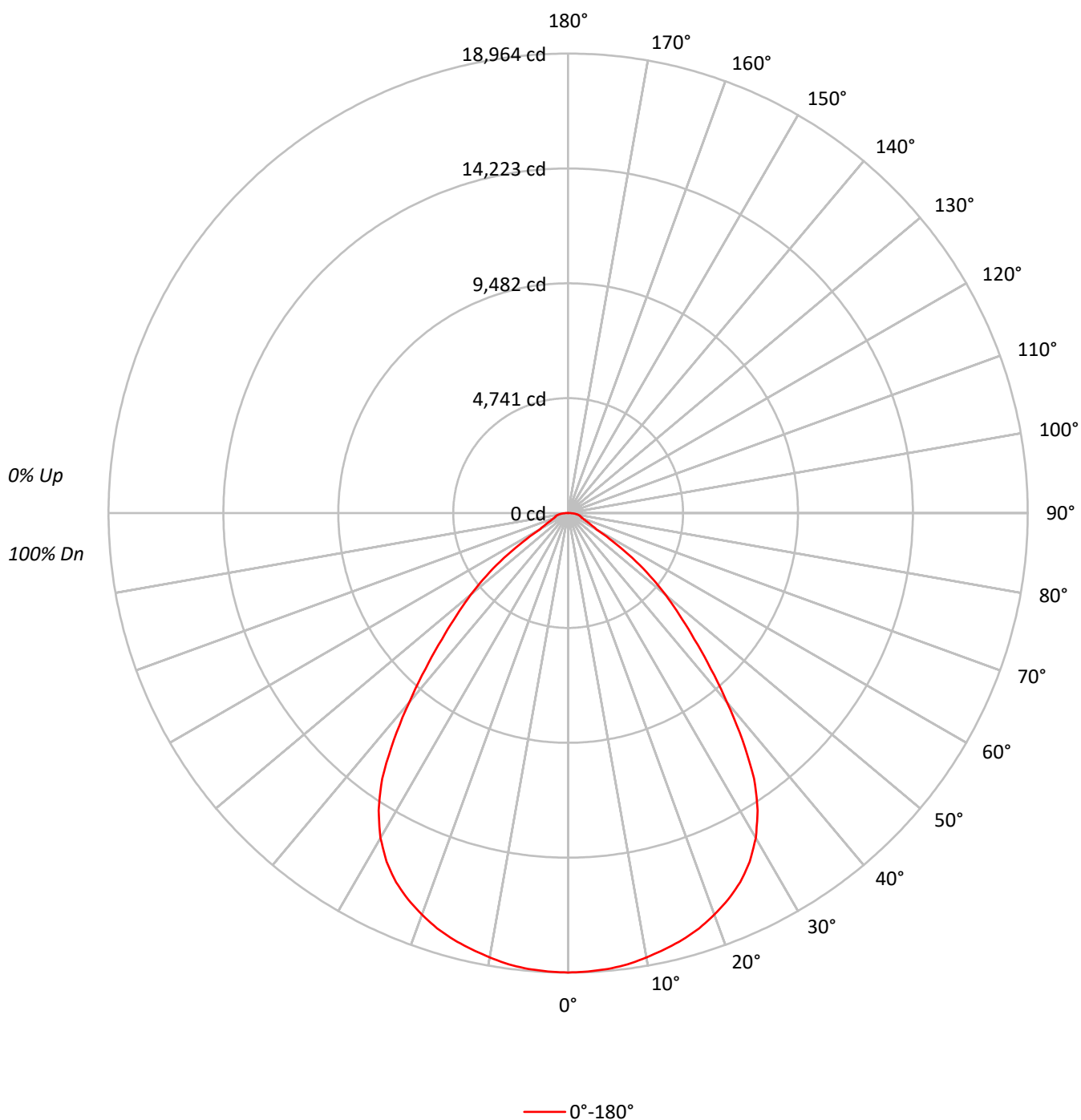
Lumens per Lamp: N/A
Luminaire Lumens: 33209.5 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 237.6
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°	139154
5°	139150
10°	138747
15°	138521
20°	137720
25°	136078
30°	131180
35°	119846
40°	97792
45°	76382
50°	59858
55°	41422
60°	19845
65°	15541
70°	13338
75°	15116
80°	18073
85°	21207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1794.7	5.4
10°-20°	5143.2	15.5
20°-30°	7707.2	23.2
30°-40°	8194.0	24.7
40°-50°	5760.3	17.3
50°-60°	2876.6	8.7
60°-70°	914.3	2.8
70°-80°	560.2	1.7
80°-90°	259.0	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°	14645.2	44.1
0°-40°	22839.2	68.8
0°-60°	31476.0	94.8
0°-90°	33209.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33209.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18964	
5°	18892	###
15°	18235	5143
25°	16808	7707
35°	13379	8194
45°	7361	5760
55°	3238	2877
65°	895	914
75°	533	560
85°	252	259
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18964.5
2.5°	18935.0
5°	18891.8
7.5°	18787.5
10°	18621.8
12.5°	18435.8
15°	18235.0
17.5°	17971.8
20°	17637.1
22.5°	17260.4
25°	16807.7
27.5°	16224.6
30°	15482.6
32.5°	14551.2
35°	13379.3
37.5°	11814.8
40°	10209.4
42.5°	8710.8
45°	7360.7
47.5°	6225.1
50°	5243.7
52.5°	4254.4
55°	3237.9
57.5°	2187.3
60°	1352.3
62.5°	1091.4
65°	895.1
67.5°	729.5
70°	621.7
72.5°	571.8
75°	533.2
77.5°	491.2
80°	427.7
82.5°	347.2
85°	251.9
87.5°	138.4
90°	0.0

(END OF REPORT)