

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: P1505101

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505101
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 (5000K_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

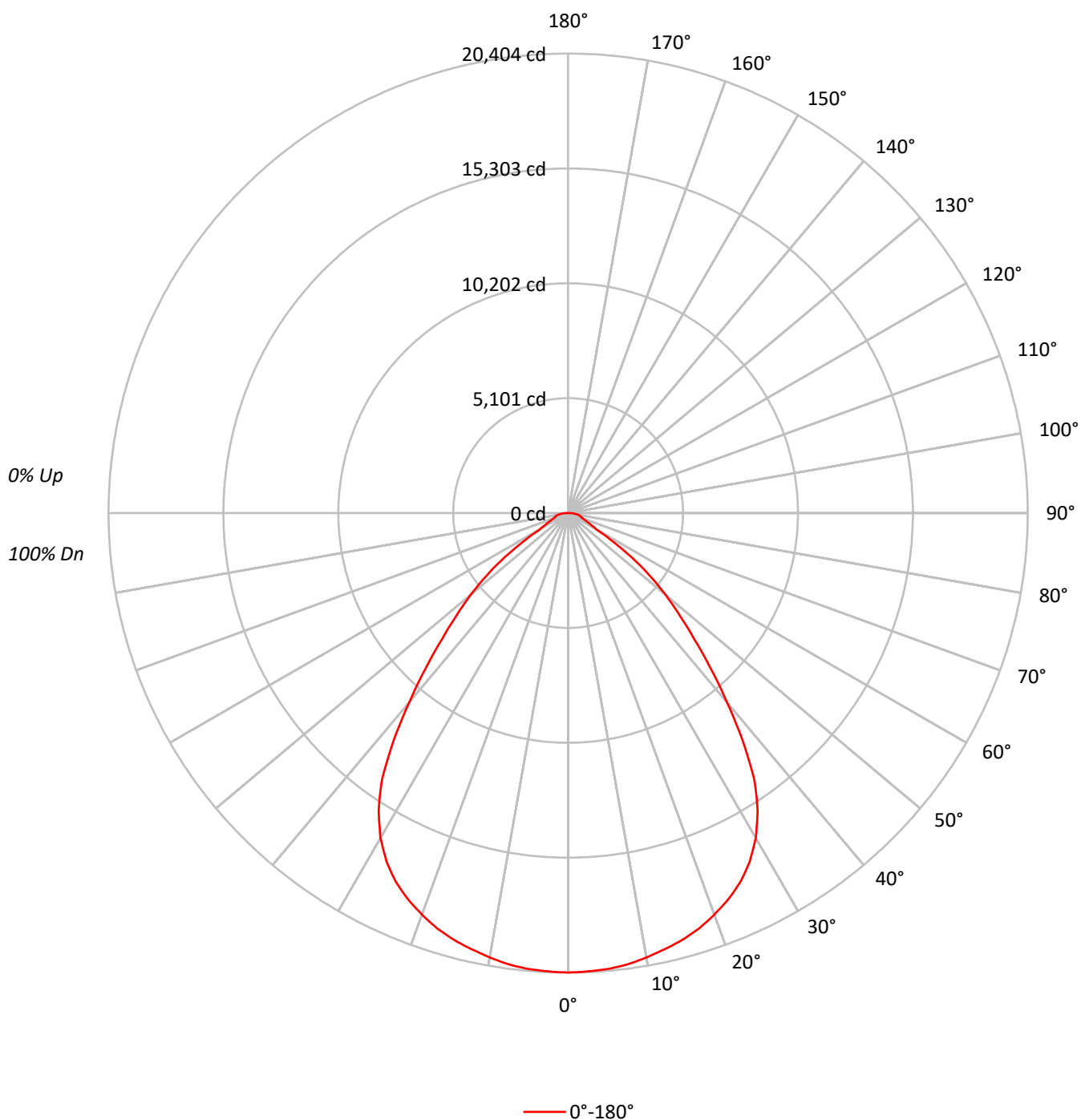
Lumens per Lamp: N/A
Luminaire Lumens: 35729.8 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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°	149715
5°	149711
10°	149278
15°	149033
20°	148171
25°	146405
30°	141136
35°	128941
40°	105214
45°	82178
50°	64402
55°	44565
60°	21352
65°	16722
70°	14350
75°	16265
80°	19446
85°	22815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1930.9	5.4
10°-20°	5533.6	15.5
20°-30°	8292.1	23.2
30°-40°	8815.9	24.7
40°-50°	6197.4	17.3
50°-60°	3094.9	8.7
60°-70°	983.7	2.8
70°-80°	602.8	1.7
80°-90°	278.6	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°	15756.6	44.1
0°-40°	24572.5	68.8
0°-60°	33864.7	94.8
0°-90°	35729.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35729.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20404	
5°	20326	###
15°	19619	5534
25°	18083	8292
35°	14395	8816
45°	7919	6197
55°	3484	3095
65°	963	984
75°	574	603
85°	271	279
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20403.7
2.5°	20372.0
5°	20325.6
7.5°	20213.3
10°	20035.1
12.5°	19834.9
15°	19618.8
17.5°	19335.7
20°	18975.6
22.5°	18570.3
25°	18083.3
27.5°	17455.9
30°	16657.6
32.5°	15655.5
35°	14394.6
37.5°	12711.4
40°	10984.3
42.5°	9371.8
45°	7919.3
47.5°	6697.5
50°	5641.7
52.5°	4577.3
55°	3483.6
57.5°	2353.3
60°	1455.0
62.5°	1174.2
65°	963.1
67.5°	784.9
70°	668.9
72.5°	615.2
75°	573.7
77.5°	528.5
80°	460.2
82.5°	373.5
85°	271.0
87.5°	148.9
90°	0.0

(END OF REPORT)