

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: P1505254

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505254
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-110)
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-06-WHGL-PS (3000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

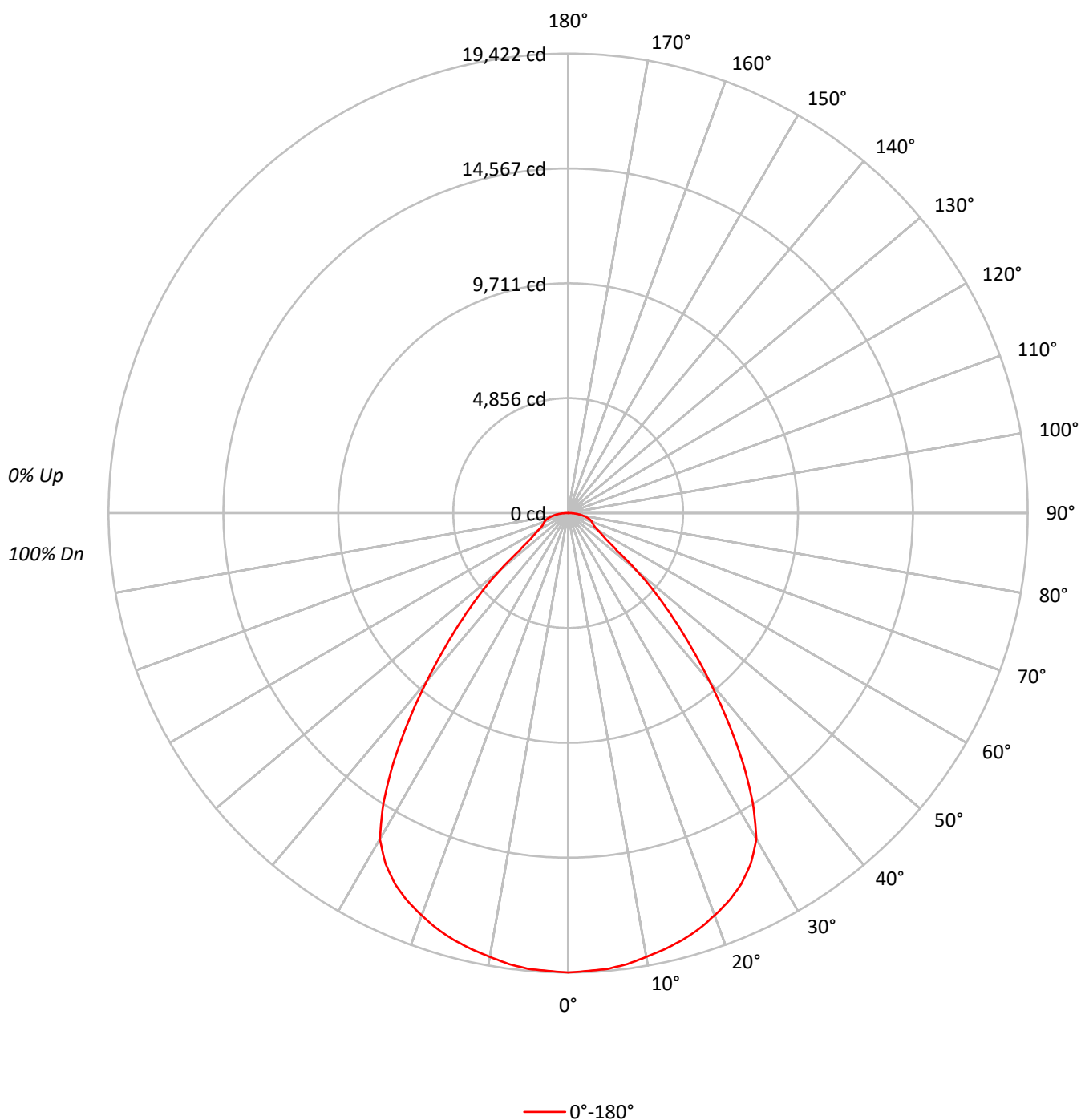
Lumens per Lamp: N/A
Luminaire Lumens: 32326.6 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.13
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	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	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129561
5°	129509
10°	129023
15°	128999
20°	128444
25°	127372
30°	122565
35°	104753
40°	80973
45°	59263
50°	38736
55°	22958
60°	19480
65°	18642
70°	20844
75°	23189
80°	25455
85°	27179

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1836.5	5.7
10°-20°	5269.5	16.3
20°-30°	7927.6	24.5
30°-40°	7938.0	24.6
40°-50°	4877.1	15.1
50°-60°	1964.9	6.1
60°-70°	1198.9	3.7
70°-80°	937.3	2.9
80°-90°	376.7	1.2
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°	15033.7	46.5
0°-40°	22971.7	71.1
0°-60°	29813.7	92.2
0°-90°	32326.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32326.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19422	
5°	19340	###
15°	18679	5270
25°	17305	7928
35°	12863	7938
45°	6282	4877
55°	1974	1965
65°	1181	1199
75°	900	937
85°	355	377
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19421.7
2.5°	19372.9
5°	19340.0
7.5°	19225.4
10°	19047.3
12.5°	18878.2
15°	18678.6
17.5°	18422.2
20°	18093.1
22.5°	17741.4
25°	17304.7
27.5°	16710.2
30°	15911.5
32.5°	14521.7
35°	12863.1
37.5°	11078.5
40°	9298.4
42.5°	7693.1
45°	6281.8
47.5°	4999.8
50°	3732.5
52.5°	2581.0
55°	1974.0
57.5°	1689.3
60°	1460.1
62.5°	1274.1
65°	1181.0
67.5°	1120.9
70°	1068.7
72.5°	995.0
75°	899.7
77.5°	789.6
80°	662.6
82.5°	518.5
85°	355.1
87.5°	179.3
90°	0.0

(END OF REPORT)