

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: P1505256

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505256
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-111)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

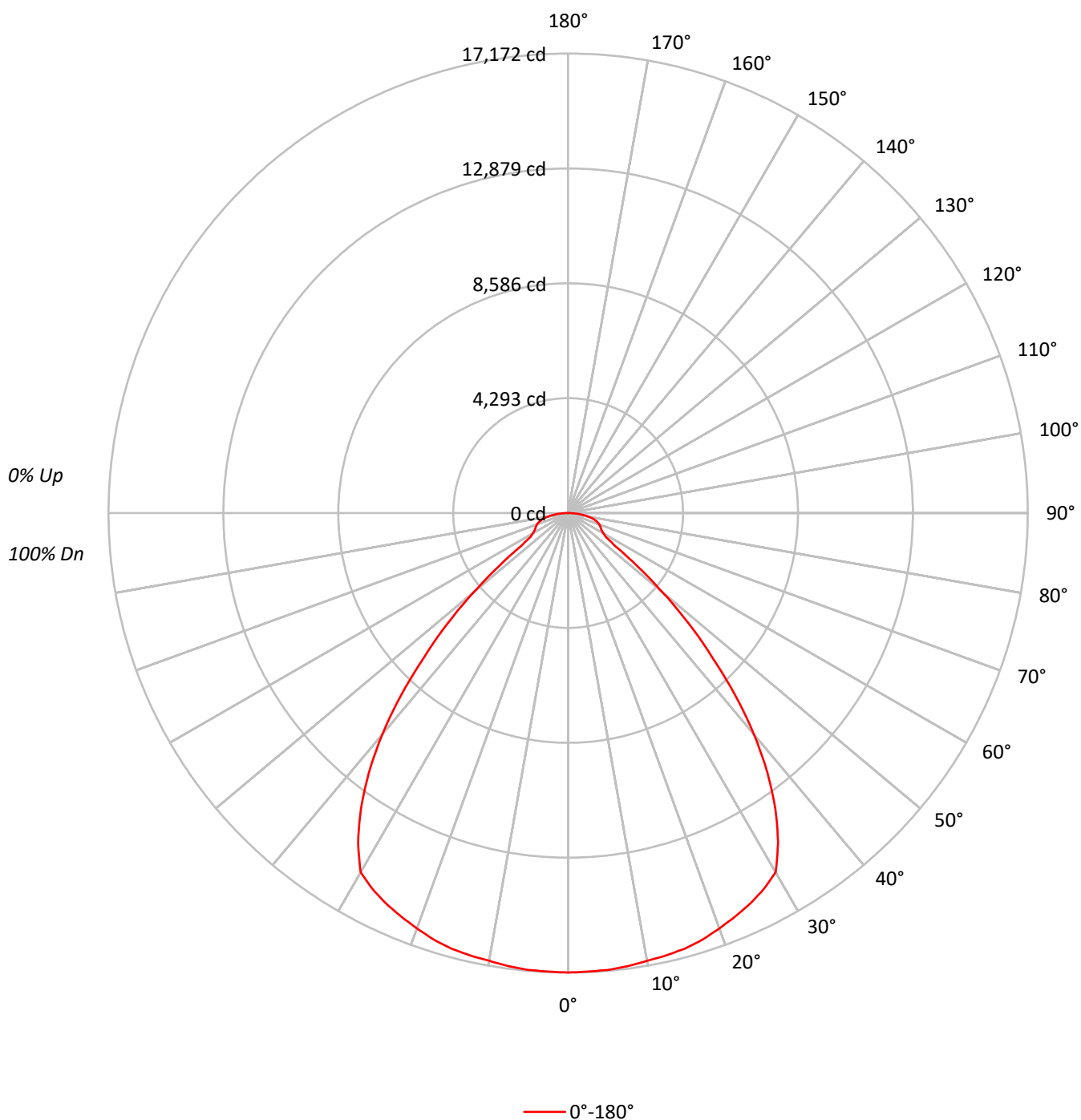
Lumens per Lamp: N/A
Luminaire Lumens: 33137.2 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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					0
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55			
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50			
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45			
8	68	56	49	43	67	55	48	43	54	48	43	53	47	43	52	47	43	41			
9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39	37			
10	60	48	41	36	59	48	41	36	47	41	36	46	40	36	45	40	36	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114552
5°	114755
10°	115106
15°	116368
20°	117241
25°	118512
30°	119419
35°	109955
40°	94153
45°	71721
50°	47803
55°	24701
60°	20282
65°	21311
70°	24164
75°	27254
80°	29680
85°	29698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71721 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1631.0	4.9
10°-20°	4758.8	14.4
20°-30°	7422.9	22.4
30°-40°	8343.2	25.2
40°-50°	5871.1	17.7
50°-60°	2243.2	6.8
60°-70°	1348.0	4.1
70°-80°	1097.2	3.3
80°-90°	421.9	1.3
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°	13812.7	41.7
0°-40°	22155.9	66.9
0°-60°	30270.1	91.3
0°-90°	33137.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33137.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17172	
5°	17137	###
15°	16850	4759
25°	16101	7423
35°	13502	8343
45°	7602	5871
55°	2124	2243
65°	1350	1348
75°	1057	1097
85°	388	422
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17171.9
2.5°	17145.8
5°	17136.8
7.5°	17080.0
10°	16992.7
12.5°	16931.4
15°	16849.7
17.5°	16711.3
20°	16515.0
22.5°	16317.6
25°	16101.0
27.5°	15835.5
30°	15503.1
32.5°	14602.3
35°	13501.8
37.5°	12230.0
40°	10811.9
42.5°	9249.7
45°	7602.3
47.5°	6103.7
50°	4606.1
52.5°	3254.9
55°	2123.8
57.5°	1679.1
60°	1520.2
62.5°	1412.5
65°	1350.1
67.5°	1296.7
70°	1238.9
72.5°	1160.6
75°	1057.4
77.5°	931.4
80°	772.6
82.5°	586.5
85°	388.0
87.5°	189.5
90°	0.0

(END OF REPORT)