

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: P1505650

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-WHGL-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505650
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-122)
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-06-WHGL-PS (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

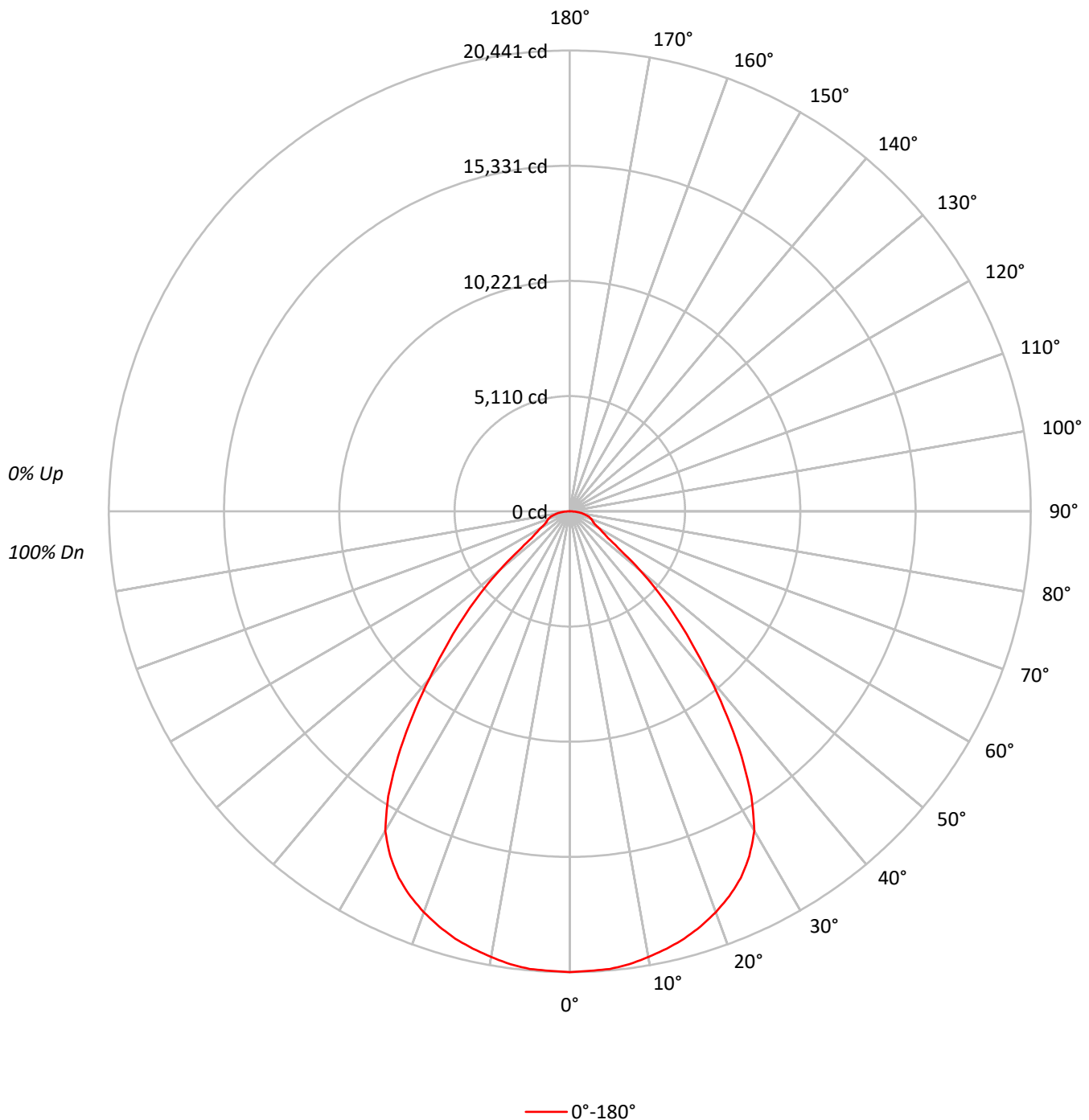
Lumens per Lamp: N/A
Luminaire Lumens: 33521.1 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130231
5°	130332
10°	129845
15°	129438
20°	128317
25°	126134
30°	120390
35°	103285
40°	80451
45°	60290
50°	40425
55°	22853
60°	18961
65°	17380
70°	19075
75°	20621
80°	21621
85°	21755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60290 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1935.3	5.8
10°-20°	5532.0	16.5
20°-30°	8217.5	24.5
30°-40°	8199.5	24.5
40°-50°	5173.2	15.4
50°-60°	2088.2	6.2
60°-70°	1180.0	3.5
70°-80°	872.6	2.6
80°-90°	322.8	1.0
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°	15684.7	46.8
0°-40°	23884.2	71.3
0°-60°	31145.6	92.9
0°-90°	33521.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33521.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20441	
5°	20379	###
15°	19624	5532
25°	17943	8217
35°	13280	8199
45°	6691	5173
55°	2057	2088
65°	1153	1180
75°	838	873
85°	298	323
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20440.8
2.5°	20400.9
5°	20378.7
7.5°	20266.2
10°	20070.5
12.5°	19870.2
15°	19624.1
17.5°	19301.9
20°	18925.8
22.5°	18479.4
25°	17942.8
27.5°	17242.1
30°	16364.6
32.5°	14980.8
35°	13279.6
37.5°	11462.3
40°	9673.2
42.5°	8086.8
45°	6691.3
47.5°	5367.4
50°	4078.5
52.5°	2817.8
55°	2057.4
57.5°	1744.6
60°	1488.0
62.5°	1272.4
65°	1152.9
67.5°	1085.0
70°	1024.0
72.5°	942.0
75°	837.7
77.5°	719.4
80°	589.3
82.5°	447.6
85°	297.6
87.5°	146.5
90°	0.0

(END OF REPORT)