

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: P1505289

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-WHGL-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505289
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 (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

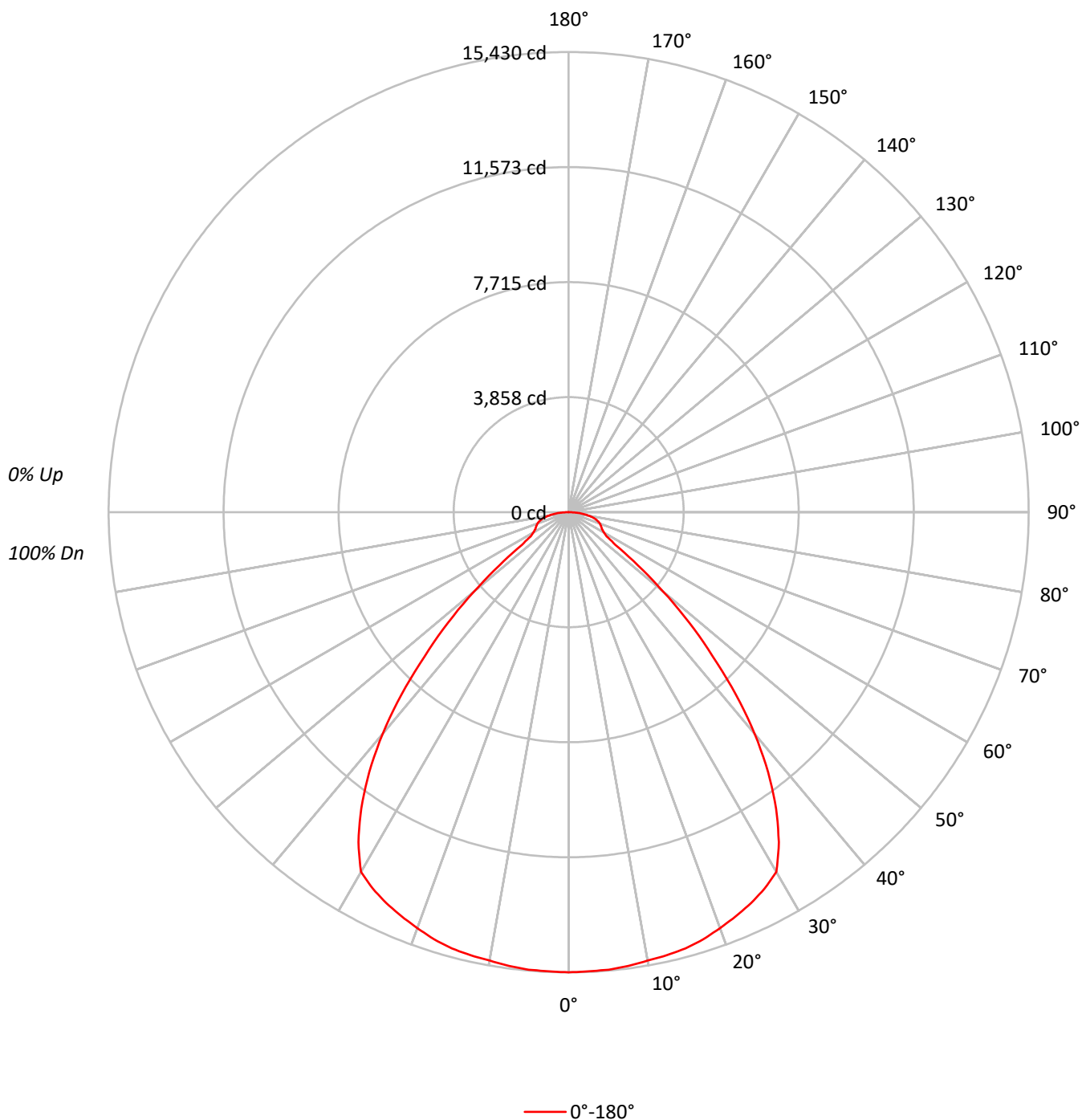
Lumens per Lamp: N/A
Luminaire Lumens: 29776.3 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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	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°	102934
5°	103116
10°	103431
15°	104566
20°	105351
25°	106492
30°	107307
35°	98803
40°	84604
45°	64447
50°	42954
55°	22195
60°	18226
65°	19148
70°	21712
75°	24488
80°	26669
85°	26690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.6	4.9
10°-20°	4276.2	14.4
20°-30°	6670.0	22.4
30°-40°	7497.0	25.2
40°-50°	5275.6	17.7
50°-60°	2015.7	6.8
60°-70°	1211.3	4.1
70°-80°	985.9	3.3
80°-90°	379.1	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°	12411.8	41.7
0°-40°	19908.8	66.9
0°-60°	27200.1	91.3
0°-90°	29776.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29776.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15430	
5°	15399	###
15°	15141	4276
25°	14468	6670
35°	12132	7497
45°	6831	5276
55°	1908	2016
65°	1213	1211
75°	950	986
85°	349	379
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15430.3
2.5°	15406.9
5°	15398.7
7.5°	15347.7
10°	15269.2
12.5°	15214.2
15°	15140.8
17.5°	15016.4
20°	14840.1
22.5°	14662.7
25°	14468.0
27.5°	14229.4
30°	13930.7
32.5°	13121.3
35°	12132.4
37.5°	10989.6
40°	9715.3
42.5°	8311.5
45°	6831.3
47.5°	5484.6
50°	4138.9
52.5°	2924.8
55°	1908.4
57.5°	1508.8
60°	1366.1
62.5°	1269.2
65°	1213.1
67.5°	1165.2
70°	1113.2
72.5°	1042.9
75°	950.1
77.5°	837.0
80°	694.2
82.5°	527.1
85°	348.7
87.5°	170.2
90°	0.0

(END OF REPORT)