

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: P1505100

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505100
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-87)
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_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

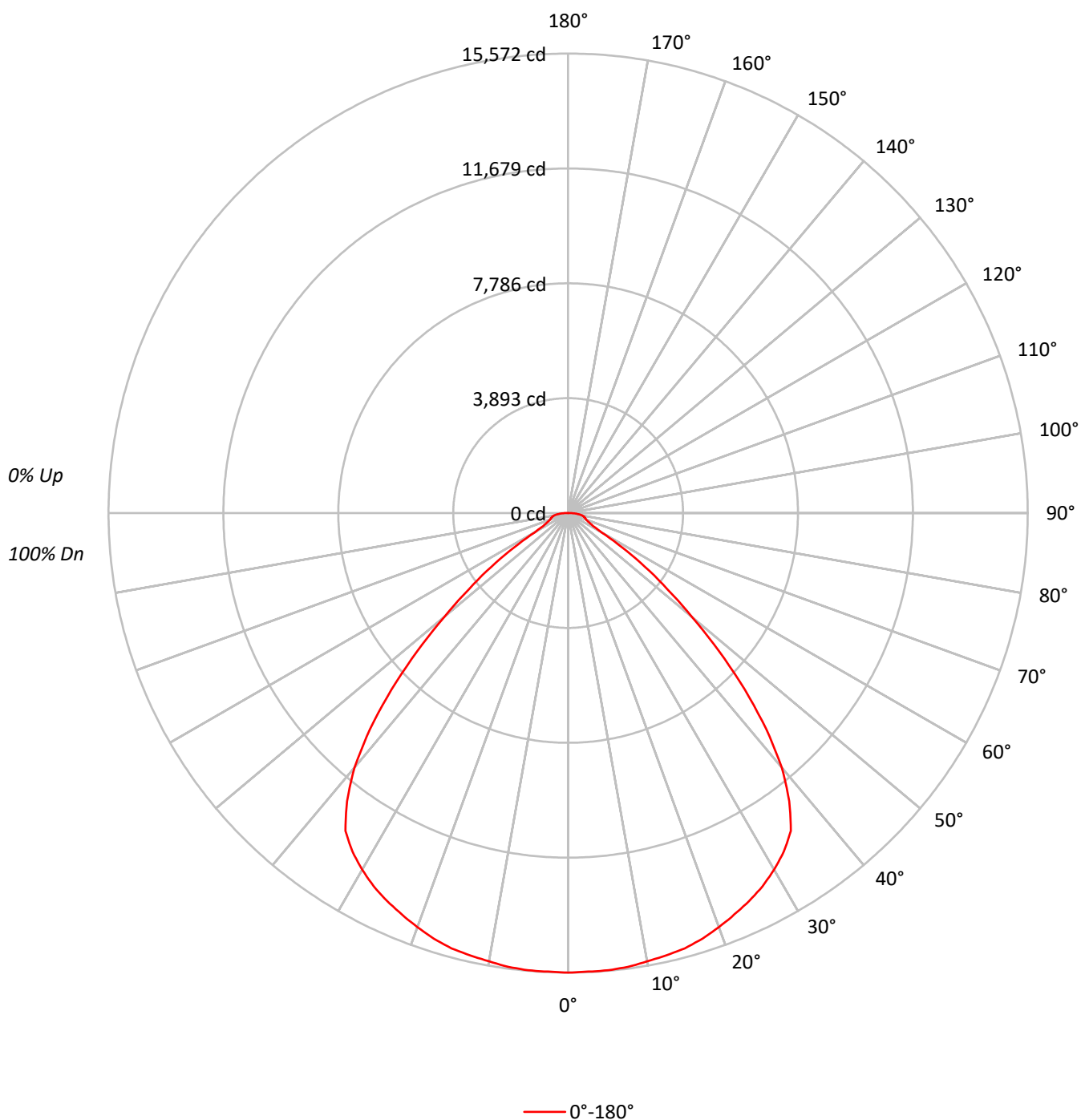
Lumens per Lamp: N/A
Luminaire Lumens: 31673.3 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 195.5
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	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114265
5°	114562
10°	114944
15°	116014
20°	116603
25°	117468
30°	118253
35°	117827
40°	107877
45°	87801
50°	62567
55°	40660
60°	19131
65°	14216
70°	13994
75°	16523
80°	20439
85°	25375

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 87801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1480.6	4.7
10°-20°	4310.9	13.6
20°-30°	6691.5	21.1
30°-40°	8082.7	25.5
40°-50°	6465.1	20.4
50°-60°	2874.2	9.1
60°-70°	856.1	2.7
70°-80°	610.6	1.9
80°-90°	301.6	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°	12482.9	39.4
0°-40°	20565.6	64.9
0°-60°	29904.9	94.4
0°-90°	31673.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31673.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15572	
5°	15554	###
15°	15272	4311
25°	14509	6692
35°	13154	8083
45°	8461	6465
55°	3178	2874
65°	819	856
75°	583	611
85°	301	302
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15572.5
2.5°	15555.6
5°	15553.5
7.5°	15510.3
10°	15427.0
12.5°	15351.2
15°	15272.1
17.5°	15124.6
20°	14932.8
22.5°	14723.1
25°	14509.1
27.5°	14261.5
30°	13956.9
32.5°	13600.7
35°	13153.9
37.5°	12307.7
40°	11262.3
42.5°	9936.6
45°	8461.2
47.5°	6942.6
50°	5481.0
52.5°	4235.3
55°	3178.4
57.5°	2167.7
60°	1303.6
62.5°	951.6
65°	818.8
67.5°	716.6
70°	652.3
72.5°	616.5
75°	582.8
77.5°	543.8
80°	483.7
82.5°	405.7
85°	301.4
87.5°	159.1
90°	0.0

(END OF REPORT)