

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: P1505073

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505073
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 (3000K_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

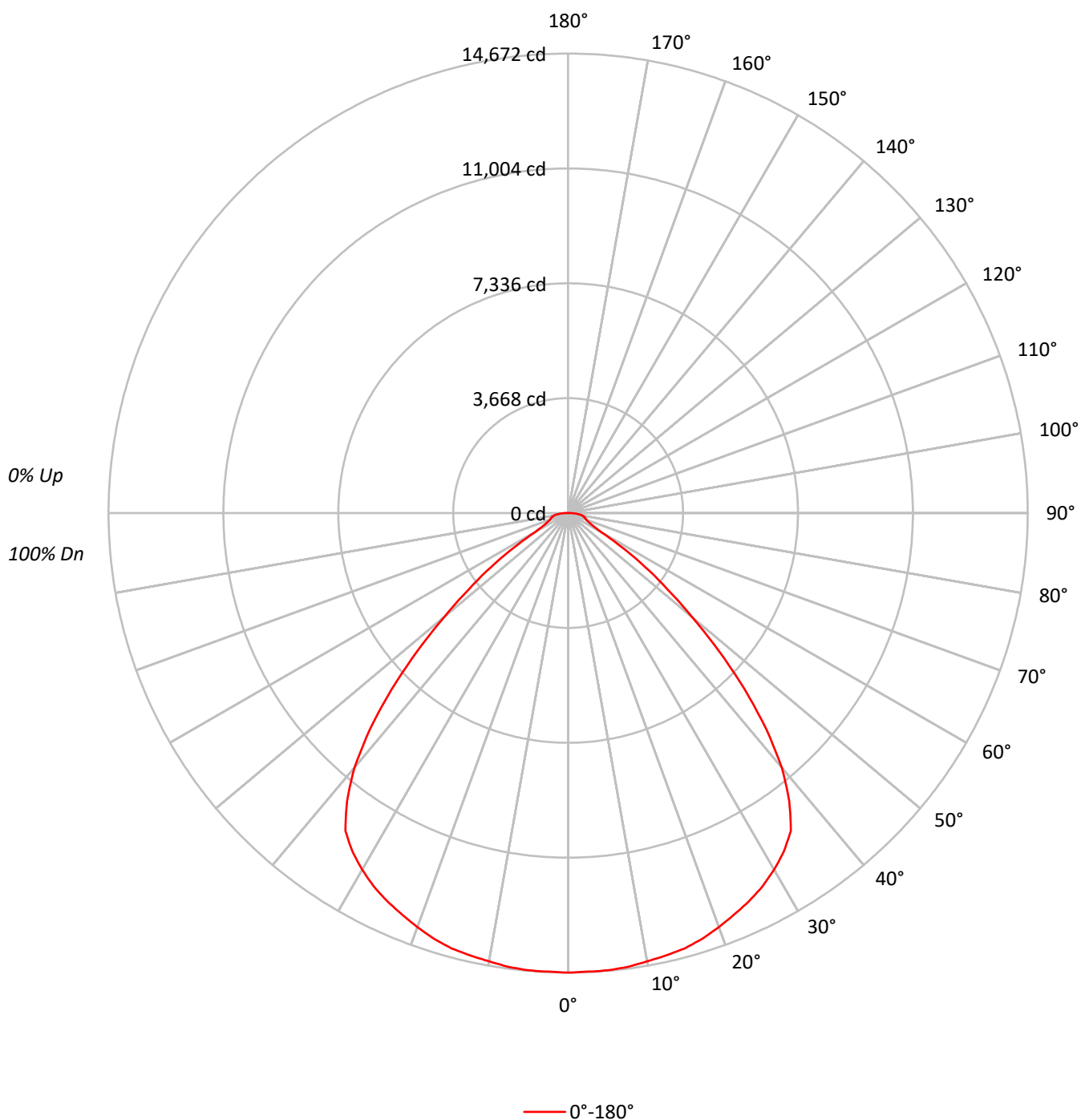
Lumens per Lamp: N/A
Luminaire Lumens: 29842.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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°	107658
5°	107938
10°	108298
15°	109306
20°	109861
25°	110676
30°	111417
35°	111015
40°	101639
45°	82725
50°	58950
55°	38309
60°	18024
65°	13395
70°	13185
75°	15567
80°	19256
85°	23910

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82725 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1395.0	4.7
10°-20°	4061.6	13.6
20°-30°	6304.6	21.1
30°-40°	7615.4	25.5
40°-50°	6091.3	20.4
50°-60°	2708.0	9.1
60°-70°	806.7	2.7
70°-80°	575.3	1.9
80°-90°	284.2	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°	11761.2	39.4
0°-40°	19376.6	64.9
0°-60°	28175.9	94.4
0°-90°	29842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14672	
5°	14654	###
15°	14389	4062
25°	13670	6305
35°	12393	7615
45°	7972	6091
55°	2995	2708
65°	772	807
75°	549	575
85°	284	284
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14672.1
2.5°	14656.2
5°	14654.2
7.5°	14613.5
10°	14535.1
12.5°	14463.6
15°	14389.1
17.5°	14250.1
20°	14069.4
22.5°	13871.8
25°	13670.2
27.5°	13436.9
30°	13150.0
32.5°	12814.4
35°	12393.4
37.5°	11596.1
40°	10611.1
42.5°	9362.1
45°	7972.0
47.5°	6541.2
50°	5164.1
52.5°	3990.5
55°	2994.6
57.5°	2042.4
60°	1228.2
62.5°	896.6
65°	771.5
67.5°	675.2
70°	614.6
72.5°	580.8
75°	549.1
77.5°	512.3
80°	455.7
82.5°	382.3
85°	284.0
87.5°	149.9
90°	0.0

(END OF REPORT)