

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: P1505449

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505449
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-98)
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-04-WHGL-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

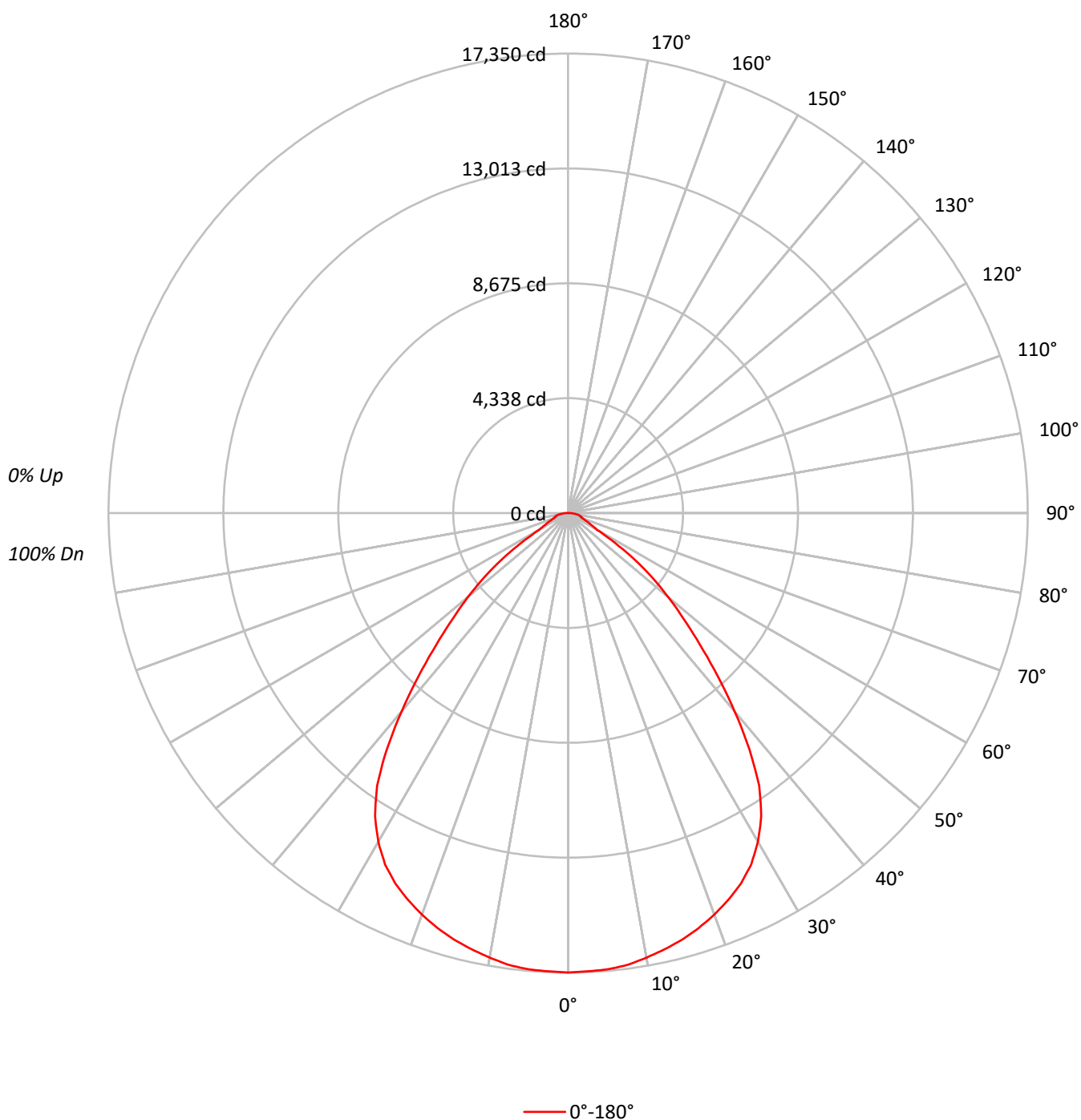
Lumens per Lamp: N/A
Luminaire Lumens: 30928.8 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 194.3
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	67	60	54	77	66	59	54	65	59	54	63	58	53	62	57	53	51		
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39		
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124260
5°	124321
10°	123949
15°	123582
20°	122969
25°	121955
30°	118541
35°	109915
40°	91421
45°	71226
50°	54953
55°	38062
60°	17939
65°	14066
70°	12061
75°	13567
80°	15693
85°	17610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1642.9	5.3
10°-20°	4702.8	15.2
20°-30°	7084.9	22.9
30°-40°	7707.5	24.9
40°-50°	5493.2	17.8
50°-60°	2712.9	8.8
60°-70°	848.3	2.7
70°-80°	513.1	1.7
80°-90°	223.1	0.7
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°	13430.6	43.4
0°-40°	21138.1	68.3
0°-60°	29344.2	94.9
0°-90°	30928.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30928.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17350	
5°	17293	###
15°	16668	4703
25°	15433	7085
35°	12572	7707
45°	7032	5493
55°	3048	2713
65°	830	848
75°	490	513
85°	214	223
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17350.2
2.5°	17315.7
5°	17292.7
7.5°	17208.0
10°	17043.9
12.5°	16868.2
15°	16667.5
17.5°	16420.8
20°	16134.4
22.5°	15805.1
25°	15432.9
27.5°	14959.4
30°	14334.2
32.5°	13562.7
35°	12571.7
37.5°	11243.1
40°	9778.5
42.5°	8349.4
45°	7032.3
47.5°	5901.2
50°	4932.1
52.5°	4000.7
55°	3048.3
57.5°	2097.0
60°	1252.4
62.5°	1013.0
65°	830.0
67.5°	678.5
70°	576.0
72.5°	529.0
75°	490.3
77.5°	445.3
80°	380.5
82.5°	303.2
85°	214.3
87.5°	111.9
90°	0.0

(END OF REPORT)