

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: P1505098

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505098
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

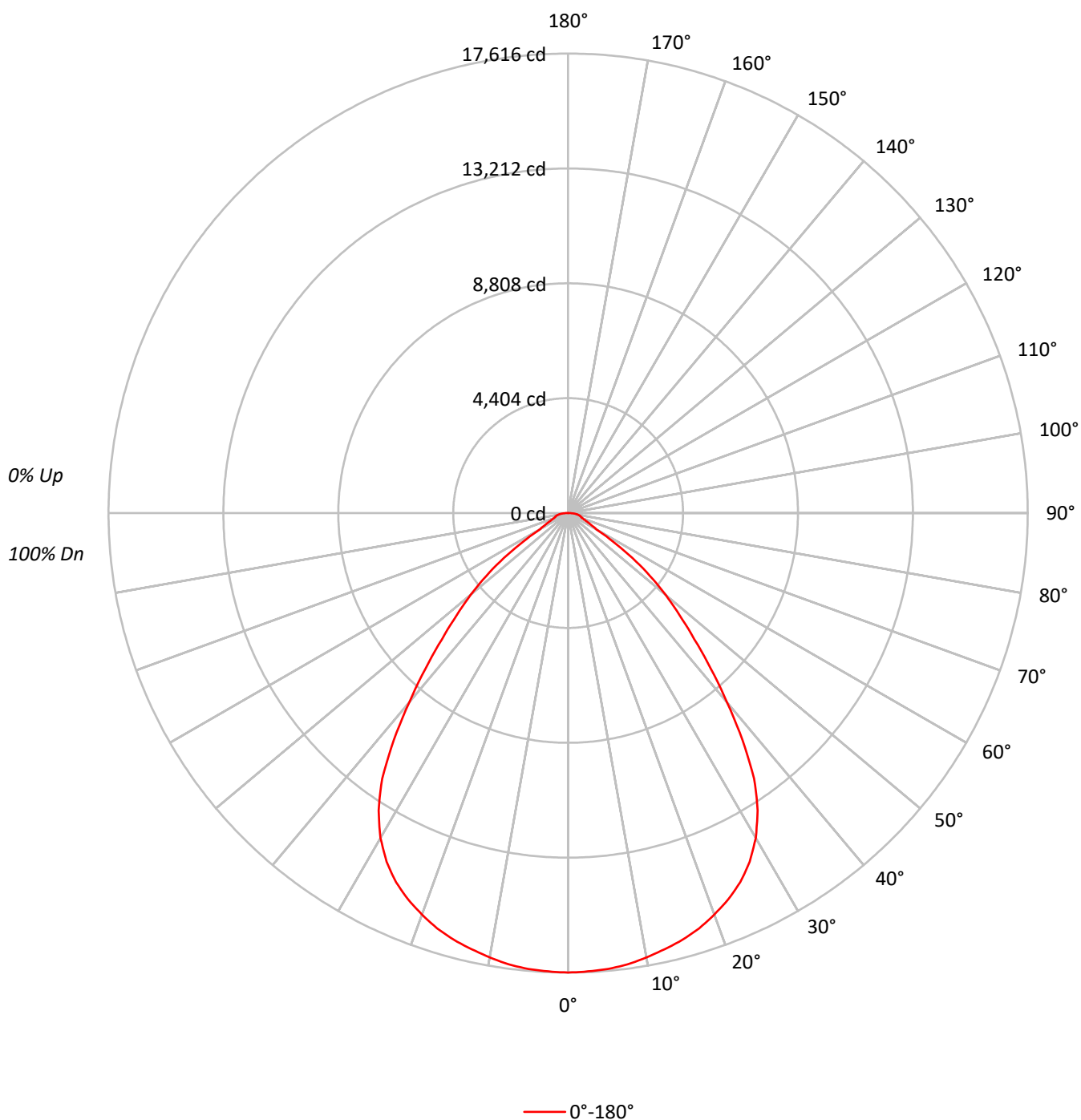
Lumens per Lamp: N/A
Luminaire Lumens: 30847.9 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	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	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129258
5°	129255
10°	128881
15°	128670
20°	127926
25°	126401
30°	121852
35°	111323
40°	90837
45°	70950
50°	55602
55°	38475
60°	18435
65°	14437
70°	12390
75°	14042
80°	16788
85°	19700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1667.1	5.4
10°-20°	4777.5	15.5
20°-30°	7159.1	23.2
30°-40°	7611.3	24.7
40°-50°	5350.6	17.3
50°-60°	2672.0	8.7
60°-70°	849.3	2.8
70°-80°	520.4	1.7
80°-90°	240.6	0.8
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°	13603.7	44.1
0°-40°	21215.0	68.8
0°-60°	29237.6	94.8
0°-90°	30847.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30847.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17616	
5°	17548	###
15°	16938	4777
25°	15612	7159
35°	12428	7611
45°	6837	5351
55°	3008	2672
65°	832	849
75°	495	520
85°	234	241
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17615.8
2.5°	17588.4
5°	17548.4
7.5°	17451.4
10°	17297.6
12.5°	17124.7
15°	16938.2
17.5°	16693.7
20°	16382.9
22.5°	16033.0
25°	15612.5
27.5°	15070.8
30°	14381.6
32.5°	13516.4
35°	12427.8
37.5°	10974.6
40°	9483.4
42.5°	8091.3
45°	6837.3
47.5°	5782.4
50°	4870.8
52.5°	3951.9
55°	3007.6
57.5°	2031.8
60°	1256.2
62.5°	1013.8
65°	831.5
67.5°	677.6
70°	577.5
72.5°	531.1
75°	495.3
77.5°	456.3
80°	397.3
82.5°	322.5
85°	234.0
87.5°	128.6
90°	0.0

(END OF REPORT)