

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: P1505458

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505458
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 (5000K_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

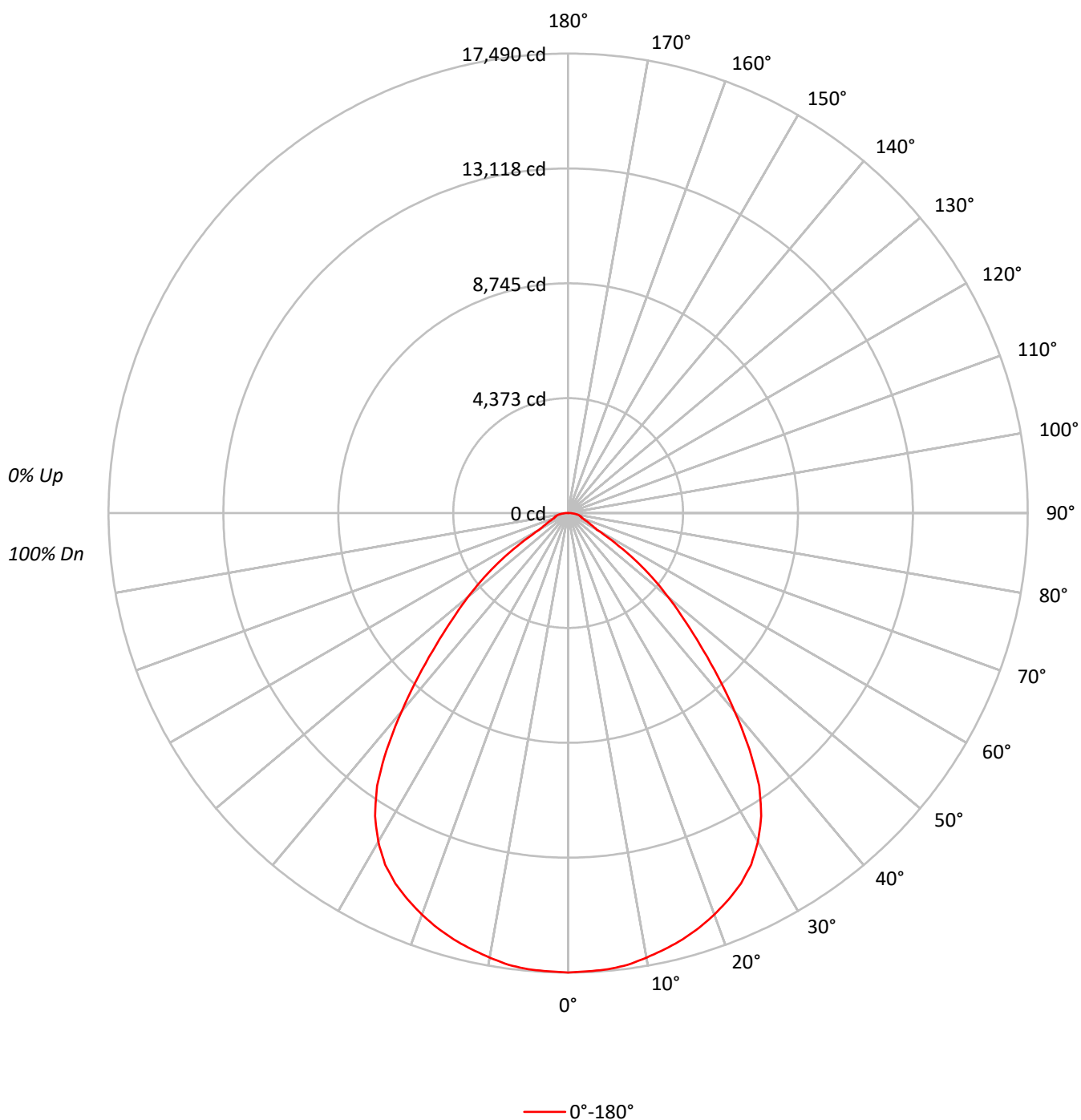
Lumens per Lamp: N/A
Luminaire Lumens: 31178.8 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.19
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	125264
5°	125326
10°	124952
15°	124581
20°	123962
25°	122941
30°	119500
35°	110804
40°	92159
45°	71801
50°	55398
55°	38371
60°	18084
65°	14179
70°	12160
75°	13675
80°	15821
85°	17749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1656.2	5.3
10°-20°	4740.9	15.2
20°-30°	7142.2	22.9
30°-40°	7769.8	24.9
40°-50°	5537.6	17.8
50°-60°	2734.9	8.8
60°-70°	855.1	2.7
70°-80°	517.3	1.7
80°-90°	224.9	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°	13539.2	43.4
0°-40°	21309.0	68.3
0°-60°	29581.5	94.9
0°-90°	31178.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31178.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17490	
5°	17432	###
15°	16802	4741
25°	15558	7142
35°	12673	7770
45°	7089	5538
55°	3073	2735
65°	837	855
75°	494	517
85°	216	225
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17490.4
2.5°	17455.7
5°	17432.5
7.5°	17347.1
10°	17181.7
12.5°	17004.6
15°	16802.3
17.5°	16553.6
20°	16264.8
22.5°	15932.9
25°	15557.7
27.5°	15080.3
30°	14450.1
32.5°	13672.4
35°	12673.4
37.5°	11333.9
40°	9857.5
42.5°	8416.9
45°	7089.1
47.5°	5948.9
50°	4972.0
52.5°	4033.0
55°	3073.0
57.5°	2114.0
60°	1262.5
62.5°	1021.2
65°	836.7
67.5°	683.9
70°	580.7
72.5°	533.2
75°	494.2
77.5°	448.9
80°	383.6
82.5°	305.6
85°	216.0
87.5°	112.8
90°	0.0

(END OF REPORT)