

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: P1505433

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505433
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
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 (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

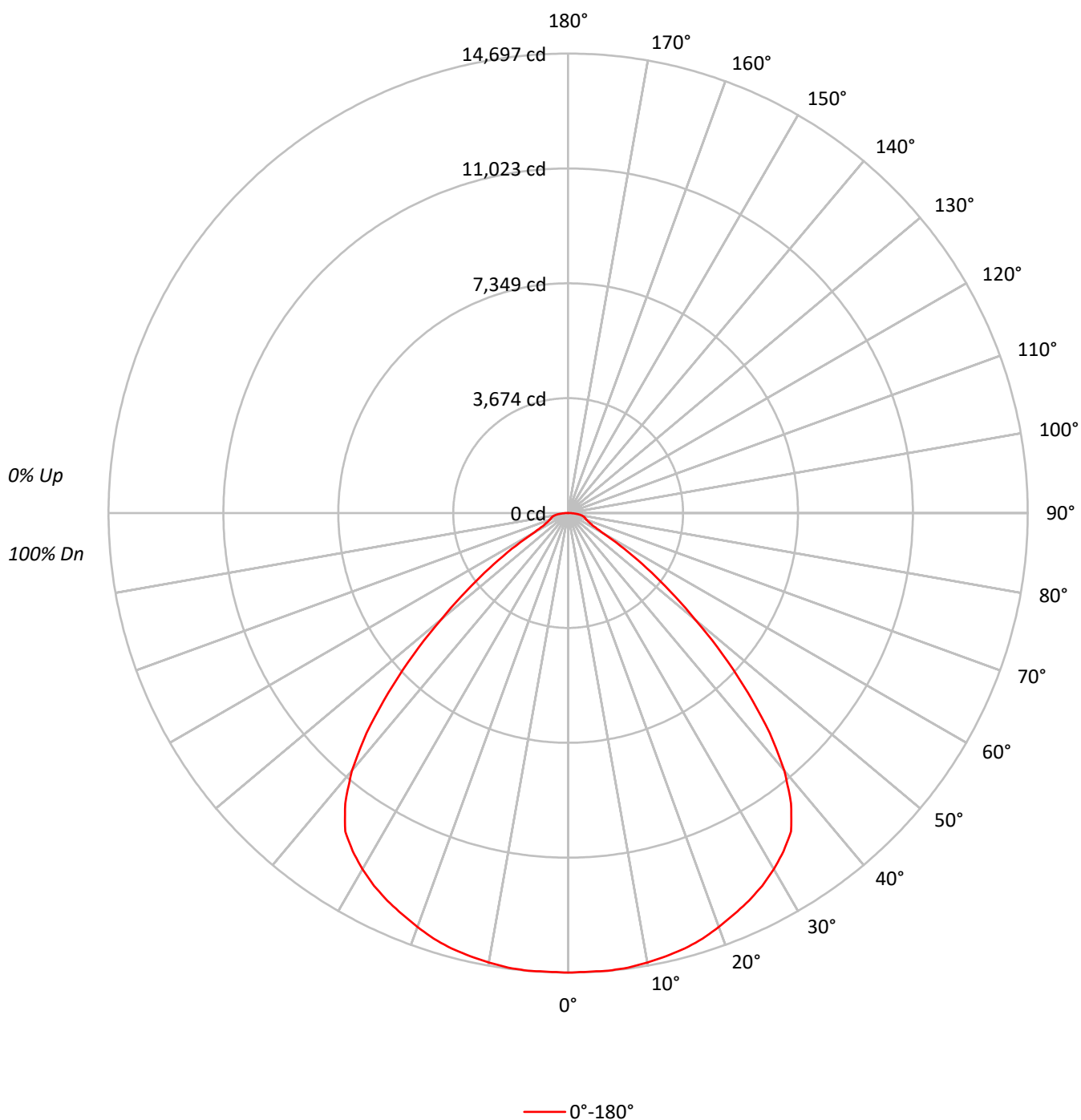
Lumens per Lamp: N/A
Luminaire Lumens: 30095.7 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	50	30	10
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	80			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71			70
4	89	79	72	66	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	57	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	46	55	50	46			44
8	68	55	48	43	66	55	48	43	54	47	42	52	46	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	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105257
5°	105624
10°	106152
15°	106902
20°	107359
25°	108089
30°	108740
35°	108668
40°	100523
45°	82323
50°	59164
55°	38371
60°	18403
65°	13191
70°	12974
75°	15167
80°	18180
85°	20888

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82323 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1399.4	4.6
10°-20°	4071.5	13.5
20°-30°	6307.8	21.0
30°-40°	7652.9	25.4
40°-50°	6215.1	20.7
50°-60°	2793.1	9.3
60°-70°	821.2	2.7
70°-80°	572.3	1.9
80°-90°	262.4	0.9
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°	11778.7	39.1
0°-40°	19431.6	64.6
0°-60°	28439.8	94.5
0°-90°	30095.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30095.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14697	
5°	14692	###
15°	14418	4071
25°	13678	6308
35°	12429	7653
45°	8128	6215
55°	3073	2793
65°	778	821
75°	548	572
85°	254	262
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14696.9
2.5°	14684.0
5°	14691.9
7.5°	14666.1
10°	14596.6
12.5°	14516.2
15°	14417.9
17.5°	14277.9
20°	14086.3
22.5°	13884.7
25°	13678.2
27.5°	13437.9
30°	13149.0
32.5°	12821.3
35°	12429.1
37.5°	11709.3
40°	10752.1
42.5°	9536.8
45°	8127.9
47.5°	6707.0
50°	5310.0
52.5°	4104.6
55°	3073.0
57.5°	2130.8
60°	1284.8
62.5°	912.5
65°	778.4
67.5°	681.1
70°	619.6
72.5°	583.8
75°	548.1
77.5°	504.4
80°	440.8
82.5°	360.4
85°	254.2
87.5°	129.1
90°	0.0

(END OF REPORT)