

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: P1505422

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505422
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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-TRWH-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

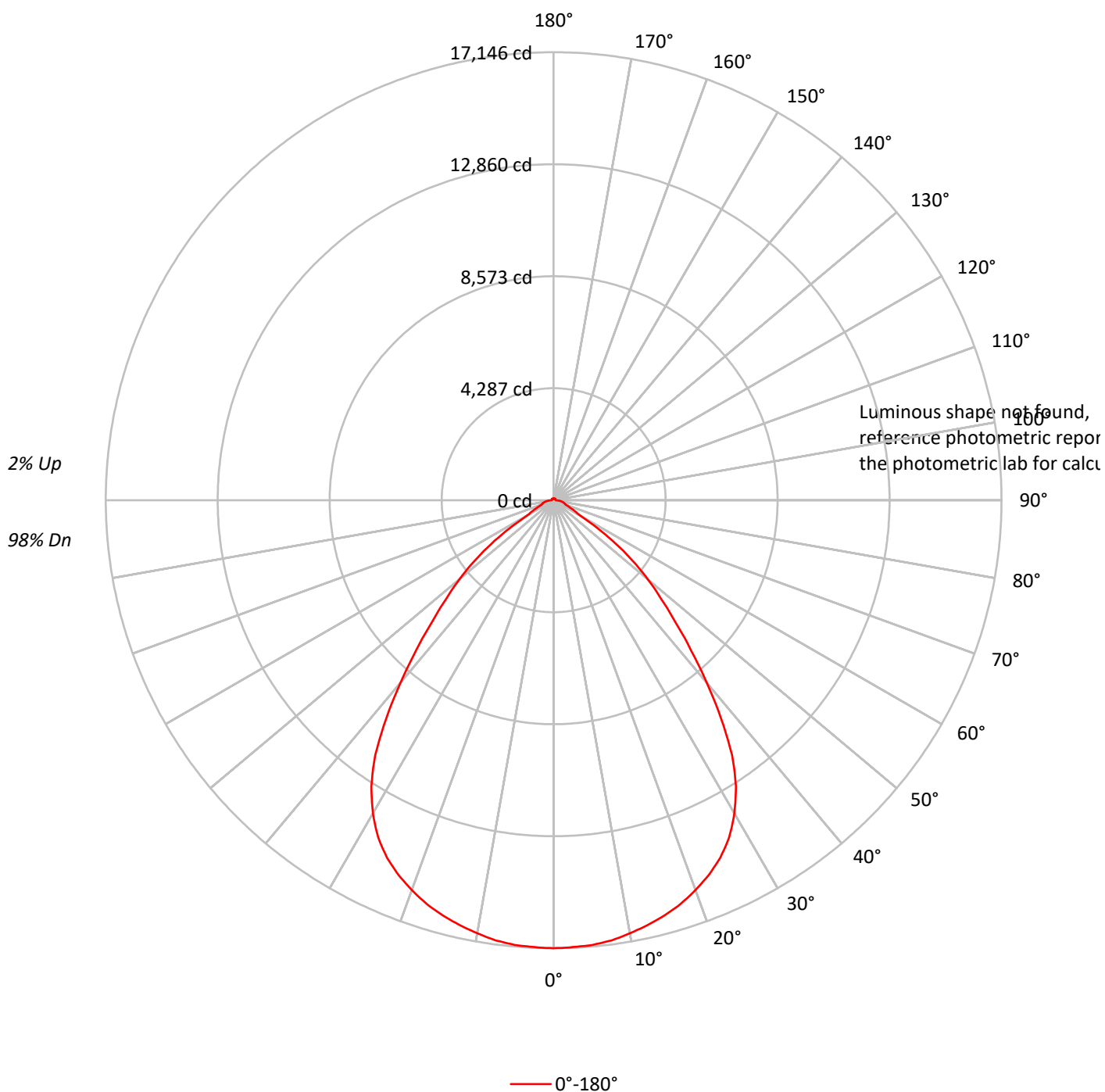
Lumens per Lamp: N/A
Luminaire Lumens: 30120.6 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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	110	110	110	105	105	105	101	101	101	98		
1	111	108	104	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	81	73	68	88	79	73	68	77	71	67	74	69	66	72	68	65	63		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	56		
6	79	67	60	55	77	66	59	54	65	58	54	63	57	53	61	57	53	51		
7	73	62	55	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	67	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	38	48	42	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1622.7	5.4
10°-20°	4638.4	15.4
20°-30°	6918.8	23.0
30°-40°	7309.7	24.3
40°-50°	5154.8	17.1
50°-60°	2587.7	8.6
60°-70°	758.5	2.5
70°-80°	438.5	1.5
80°-90°	228.9	0.8
90°-100°	79.3	0.3
100°-110°	79.8	0.3
110°-120°	75.5	0.3
120°-130°	67.1	0.2
130°-140°	57.6	0.2
140°-150°	47.6	0.2
150°-160°	33.1	0.1
160°-170°	17.3	0.1
170°-180°	5.2	0.0
0°-30°	13179.9	43.8
0°-40°	20489.5	68.0
0°-60°	28232.1	93.7
0°-90°	29658.0	98.5
90°-120°	234.6	0.8
90°-150°	406.9	1.4
90°-180°	463.0	1.5
0°-180°	30120.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17146	
5°	17083	###
15°	16447	4638
25°	15091	6919
35°	11913	7310
45°	6590	5155
55°	2933	2588
65°	741	759
75°	416	439
85°	214	199
90°	72	49
95°	72	60
105°	75	80
115°	76	76
125°	74	67
135°	74	58
145°	75	48
155°	70	33
165°	60	17
175°	54	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17146.0
2.5°	17118.5
5°	17082.8
7.5°	16990.1
10°	16830.0
12.5°	16648.5
15°	16446.7
17.5°	16193.9
20°	15876.8
22.5°	15523.1
25°	15090.8
27.5°	14552.6
30°	13840.0
32.5°	12992.8
35°	11913.2
37.5°	10529.8
40°	9123.0
42.5°	7779.4
45°	6589.7
47.5°	5581.5
50°	4706.8
52.5°	3835.2
55°	2932.9
57.5°	1977.7
60°	1153.0
62.5°	919.5
65°	741.1
67.5°	591.3
70°	490.4
72.5°	447.5
75°	415.9
77.5°	383.3
80°	336.4
82.5°	278.3
85°	214.1
87.5°	143.7
90°	72.4
92.5°	71.4
95°	72.4
97.5°	73.4
100°	74.4
102.5°	75.4
105°	75.4
107.5°	75.4
110°	76.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76.5
115°	76.5
117.5°	75.4
120°	75.4
122.5°	75.4
125°	74.4
127.5°	74.4
130°	74.4
132.5°	74.4
135°	74.4
137.5°	74.4
140°	74.4
142.5°	75.4
145°	75.4
147.5°	76.5
150°	77.5
152.5°	74.4
155°	70.3
157.5°	68.3
160°	66.3
162.5°	63.2
165°	60.1
167.5°	58.1
170°	56.1
172.5°	54.0
175°	54.0
177.5°	55.1
180°	55.1

(END OF REPORT)