

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: P1505413

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505413
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 (5000K_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

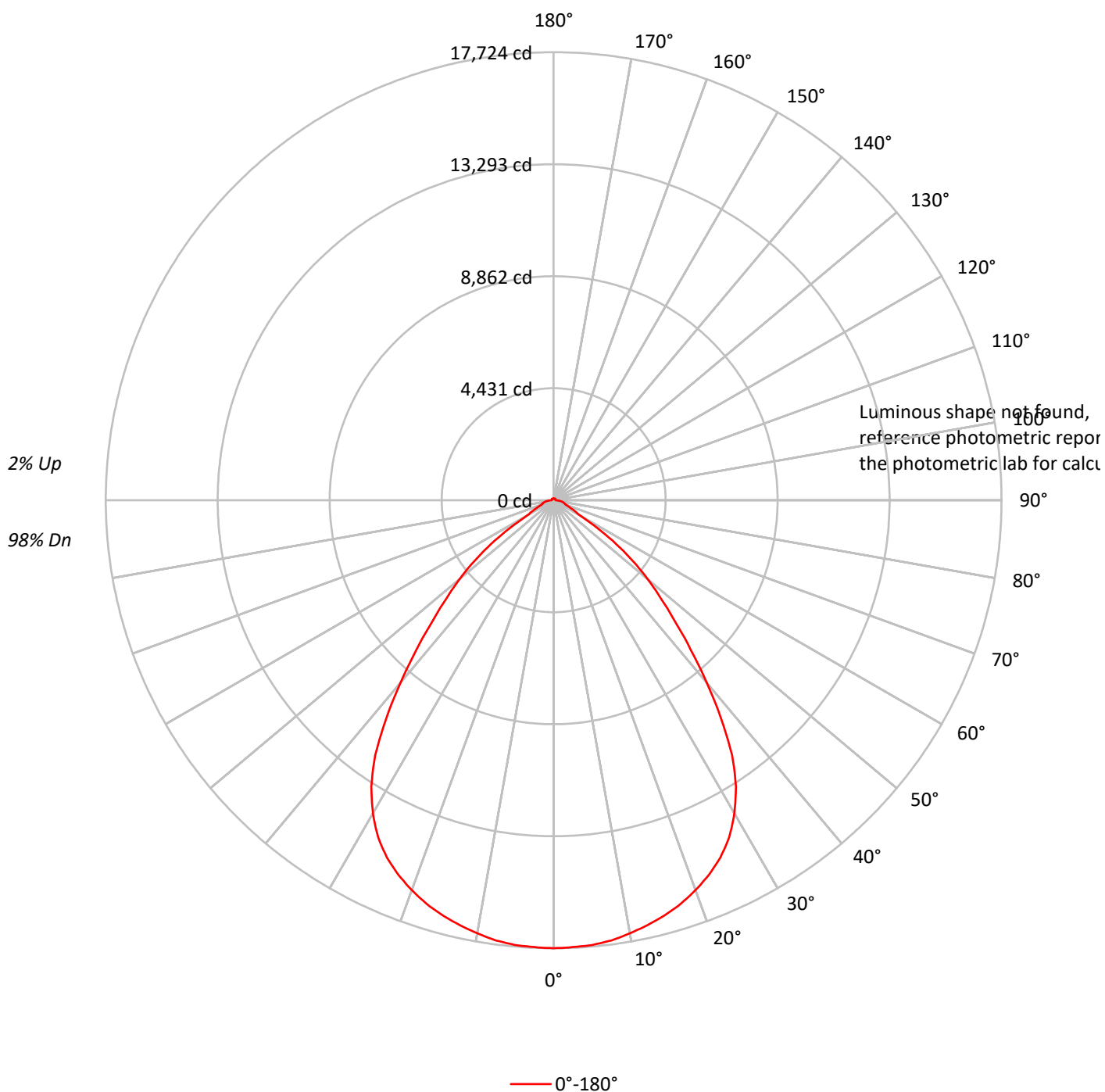
Lumens per Lamp: N/A
Luminaire Lumens: 31136.6 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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





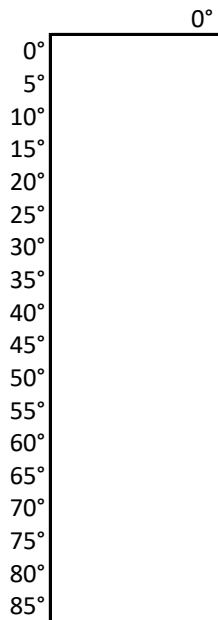
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1677.4	5.4
10°-20°	4794.8	15.4
20°-30°	7152.2	23.0
30°-40°	7556.2	24.3
40°-50°	5328.7	17.1
50°-60°	2675.0	8.6
60°-70°	784.1	2.5
70°-80°	453.3	1.5
80°-90°	236.7	0.8
90°-100°	81.9	0.3
100°-110°	82.5	0.3
110°-120°	78.1	0.3
120°-130°	69.4	0.2
130°-140°	59.6	0.2
140°-150°	49.2	0.2
150°-160°	34.2	0.1
160°-170°	17.9	0.1
170°-180°	5.4	0.0
0°-30°	13624.4	43.8
0°-40°	21180.7	68.0
0°-60°	29184.4	93.7
0°-90°	30658.5	98.5
90°-120°	242.5	0.8
90°-150°	420.6	1.4
90°-180°	478.0	1.5
0°-180°	31136.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17724	
5°	17659	###
15°	17002	4795
25°	15600	7152
35°	12315	7556
45°	6812	5329
55°	3032	2675
65°	766	784
75°	430	453
85°	221	206
90°	75	51
95°	75	62
105°	78	82
115°	79	78
125°	77	69
135°	77	60
145°	78	49
155°	73	34
165°	62	18
175°	56	5
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17724.4
2.5°	17695.9
5°	17659.0
7.5°	17563.1
10°	17397.7
12.5°	17210.1
15°	17001.5
17.5°	16740.1
20°	16412.4
22.5°	16046.7
25°	15599.9
27.5°	15043.4
30°	14306.8
32.5°	13431.1
35°	12315.1
37.5°	10885.0
40°	9430.7
42.5°	8041.8
45°	6812.0
47.5°	5769.7
50°	4865.5
52.5°	3964.5
55°	3031.9
57.5°	2044.4
60°	1191.9
62.5°	950.6
65°	766.1
67.5°	611.2
70°	506.9
72.5°	462.6
75°	430.0
77.5°	396.2
80°	347.8
82.5°	287.7
85°	221.3
87.5°	148.6
90°	74.8
92.5°	73.8
95°	74.8
97.5°	75.9
100°	76.9
102.5°	78.0
105°	78.0
107.5°	78.0
110°	79.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	79.0
115°	79.0
117.5°	78.0
120°	78.0
122.5°	78.0
125°	76.9
127.5°	76.9
130°	76.9
132.5°	76.9
135°	76.9
137.5°	76.9
140°	76.9
142.5°	78.0
145°	78.0
147.5°	79.0
150°	80.1
152.5°	76.9
155°	72.7
157.5°	70.6
160°	68.5
162.5°	65.3
165°	62.2
167.5°	60.1
170°	58.0
172.5°	55.9
175°	55.9
177.5°	56.9
180°	56.9

(END OF REPORT)