

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: P1505417

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505417
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

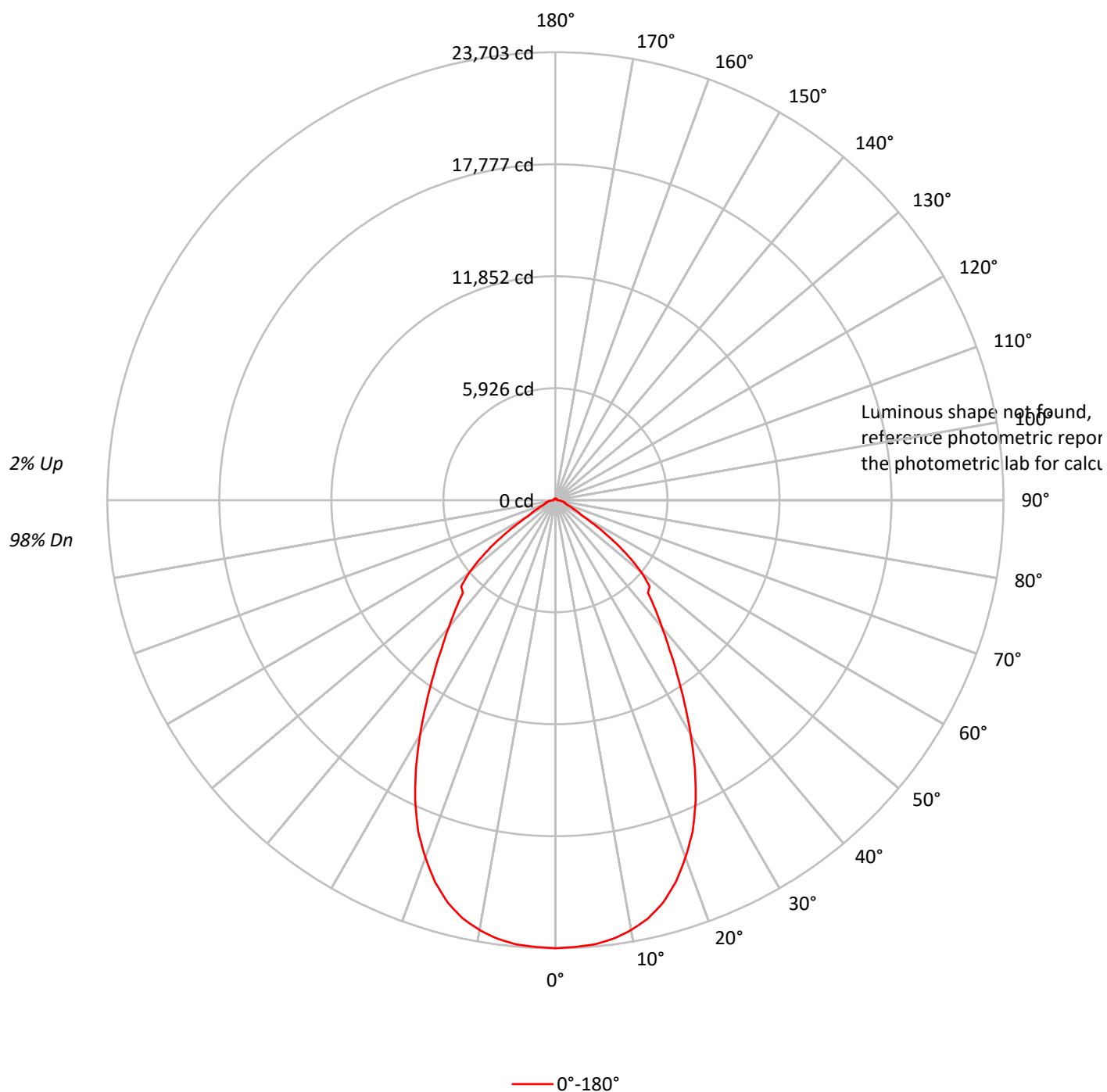
Lumens per Lamp: N/A
Luminaire Lumens: 34723.3 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 233.3
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	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2236.0	6.4
10°-20°	6155.5	17.7
20°-30°	7983.6	23.0
30°-40°	7051.1	20.3
40°-50°	5553.1	16.0
50°-60°	3337.6	9.6
60°-70°	1046.9	3.0
70°-80°	532.9	1.5
80°-90°	265.4	0.8
90°-100°	96.1	0.3
100°-110°	97.1	0.3
110°-120°	91.6	0.3
120°-130°	81.4	0.2
130°-140°	69.4	0.2
140°-150°	57.4	0.2
150°-160°	40.1	0.1
160°-170°	21.4	0.1
170°-180°	6.5	0.0
0°-30°	16375.1	47.2
0°-40°	23426.3	67.5
0°-60°	32317.0	93.1
0°-90°	34162.2	98.4
90°-120°	284.9	0.8
90°-150°	493.1	1.4
90°-180°	561.0	1.6
0°-180°	34723.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23703	
5°	23592	###
15°	22032	6156
25°	17546	7984
35°	11210	7051
45°	6918	5553
55°	3780	3338
65°	1022	1047
75°	502	533
85°	244	231
90°	87	58
95°	88	72
105°	92	97
115°	93	92
125°	90	81
135°	89	69
145°	92	57
155°	85	40
165°	74	21
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23703.0
2.5°	23655.4
5°	23591.9
7.5°	23404.0
10°	23093.9
12.5°	22659.4
15°	22032.0
17.5°	21171.5
20°	20114.4
22.5°	18960.9
25°	17546.2
27.5°	15969.2
30°	14295.8
32.5°	12705.3
35°	11210.1
37.5°	9886.9
40°	8764.0
42.5°	7798.5
45°	6918.4
47.5°	6754.8
50°	5933.4
52.5°	4882.4
55°	3780.2
57.5°	2590.1
60°	1658.8
62.5°	1315.8
65°	1021.6
67.5°	770.2
70°	617.6
72.5°	545.6
75°	501.7
77.5°	461.4
80°	400.4
82.5°	325.9
85°	244.1
87.5°	161.1
90°	86.7
92.5°	86.7
95°	87.9
97.5°	89.1
100°	90.3
102.5°	91.5
105°	91.5
107.5°	92.8
110°	92.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.8
115°	92.8
117.5°	91.5
120°	91.5
122.5°	91.5
125°	90.3
127.5°	90.3
130°	90.3
132.5°	90.3
135°	89.1
137.5°	89.1
140°	89.1
142.5°	90.3
145°	91.5
147.5°	92.8
150°	94.0
152.5°	89.1
155°	85.4
157.5°	83.0
160°	80.6
162.5°	78.1
165°	74.5
167.5°	72.0
170°	69.6
172.5°	67.1
175°	68.4
177.5°	68.4
180°	68.4

(END OF REPORT)