

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: P1505408

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505408
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 (4000K_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

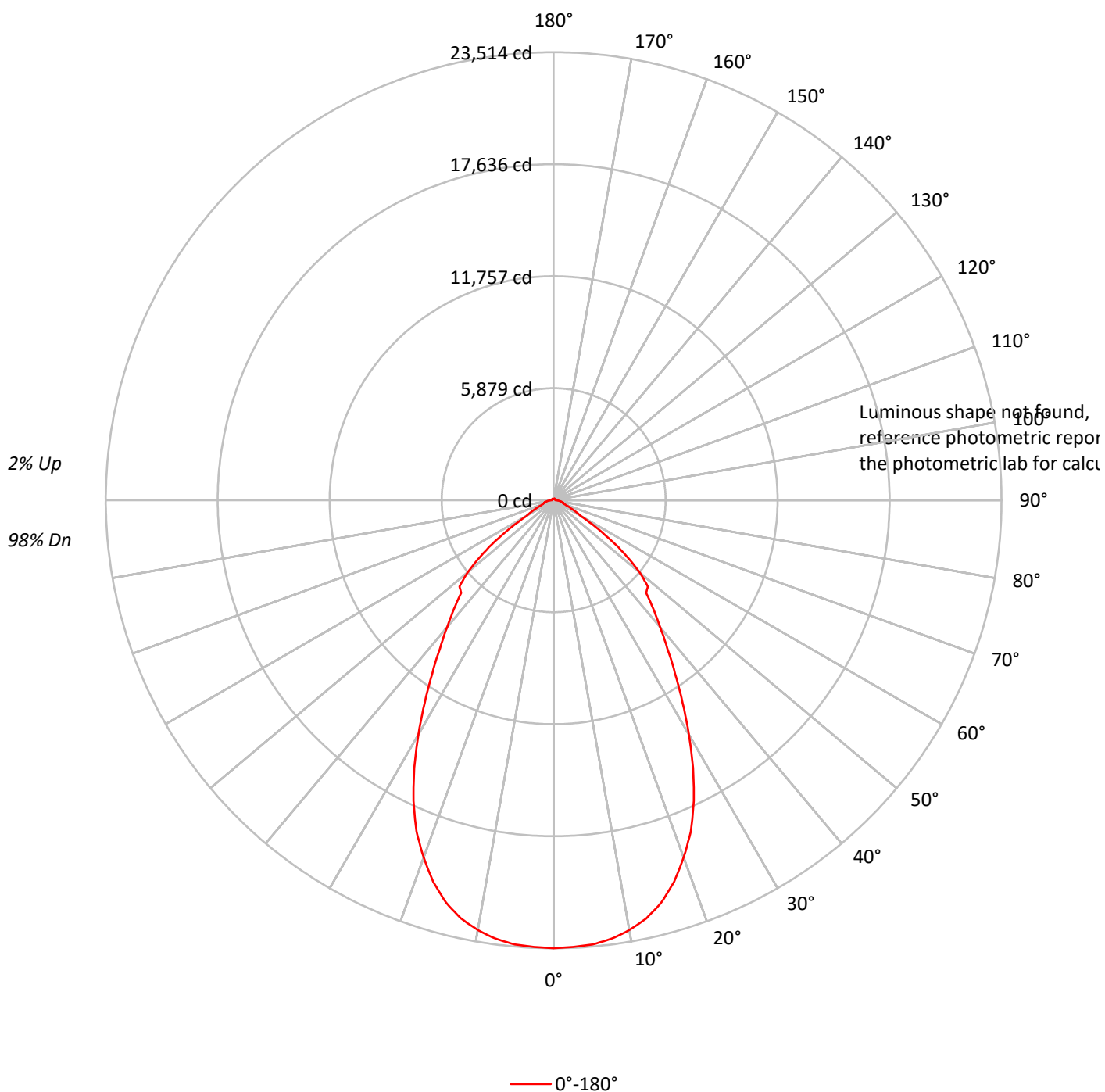
Lumens per Lamp: N/A
Luminaire Lumens: 34446.2 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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





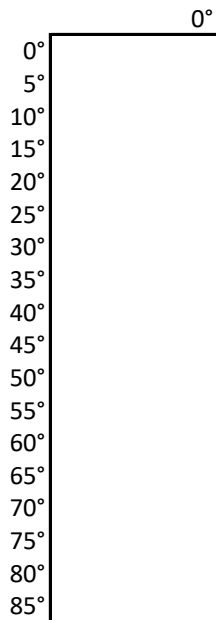
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	2218.1	6.4
10°-20°	6106.4	17.7
20°-30°	7919.9	23.0
30°-40°	6994.9	20.3
40°-50°	5508.8	16.0
50°-60°	3311.0	9.6
60°-70°	1038.6	3.0
70°-80°	528.6	1.5
80°-90°	263.3	0.8
90°-100°	95.3	0.3
100°-110°	96.4	0.3
110°-120°	90.9	0.3
120°-130°	80.8	0.2
130°-140°	68.8	0.2
140°-150°	57.0	0.2
150°-160°	39.8	0.1
160°-170°	21.2	0.1
170°-180°	6.5	0.0
0°-30°	16244.5	47.2
0°-40°	23239.3	67.5
0°-60°	32059.1	93.1
0°-90°	33889.6	98.4
90°-120°	282.6	0.8
90°-150°	489.2	1.4
90°-180°	557.0	1.6
0°-180°	34446.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23514	
5°	23404	###
15°	21856	6106
25°	17406	7920
35°	11121	6995
45°	6863	5509
55°	3750	3311
65°	1014	1039
75°	498	529
85°	242	230
90°	86	57
95°	87	72
105°	91	96
115°	92	91
125°	90	81
135°	88	69
145°	91	57
155°	85	40
165°	74	21
175°	68	6
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23513.9
2.5°	23466.6
5°	23403.7
7.5°	23217.2
10°	22909.6
12.5°	22478.6
15°	21856.2
17.5°	21002.5
20°	19953.9
22.5°	18809.6
25°	17406.2
27.5°	15841.8
30°	14181.7
32.5°	12603.9
35°	11120.6
37.5°	9808.0
40°	8694.0
42.5°	7736.2
45°	6863.2
47.5°	6700.9
50°	5886.0
52.5°	4843.5
55°	3750.1
57.5°	2569.5
60°	1645.6
62.5°	1305.3
65°	1013.5
67.5°	764.1
70°	612.7
72.5°	541.3
75°	497.7
77.5°	457.7
80°	397.2
82.5°	323.3
85°	242.2
87.5°	159.8
90°	86.0
92.5°	86.0
95°	87.2
97.5°	88.4
100°	89.6
102.5°	90.8
105°	90.8
107.5°	92.0
110°	92.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.0
115°	92.0
117.5°	90.8
120°	90.8
122.5°	90.8
125°	89.6
127.5°	89.6
130°	89.6
132.5°	89.6
135°	88.4
137.5°	88.4
140°	88.4
142.5°	89.6
145°	90.8
147.5°	92.0
150°	93.2
152.5°	88.4
155°	84.8
157.5°	82.3
160°	79.9
162.5°	77.5
165°	73.9
167.5°	71.4
170°	69.0
172.5°	66.6
175°	67.8
177.5°	67.8
180°	67.8

(END OF REPORT)