

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: P1505390

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505390
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 (3000K_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

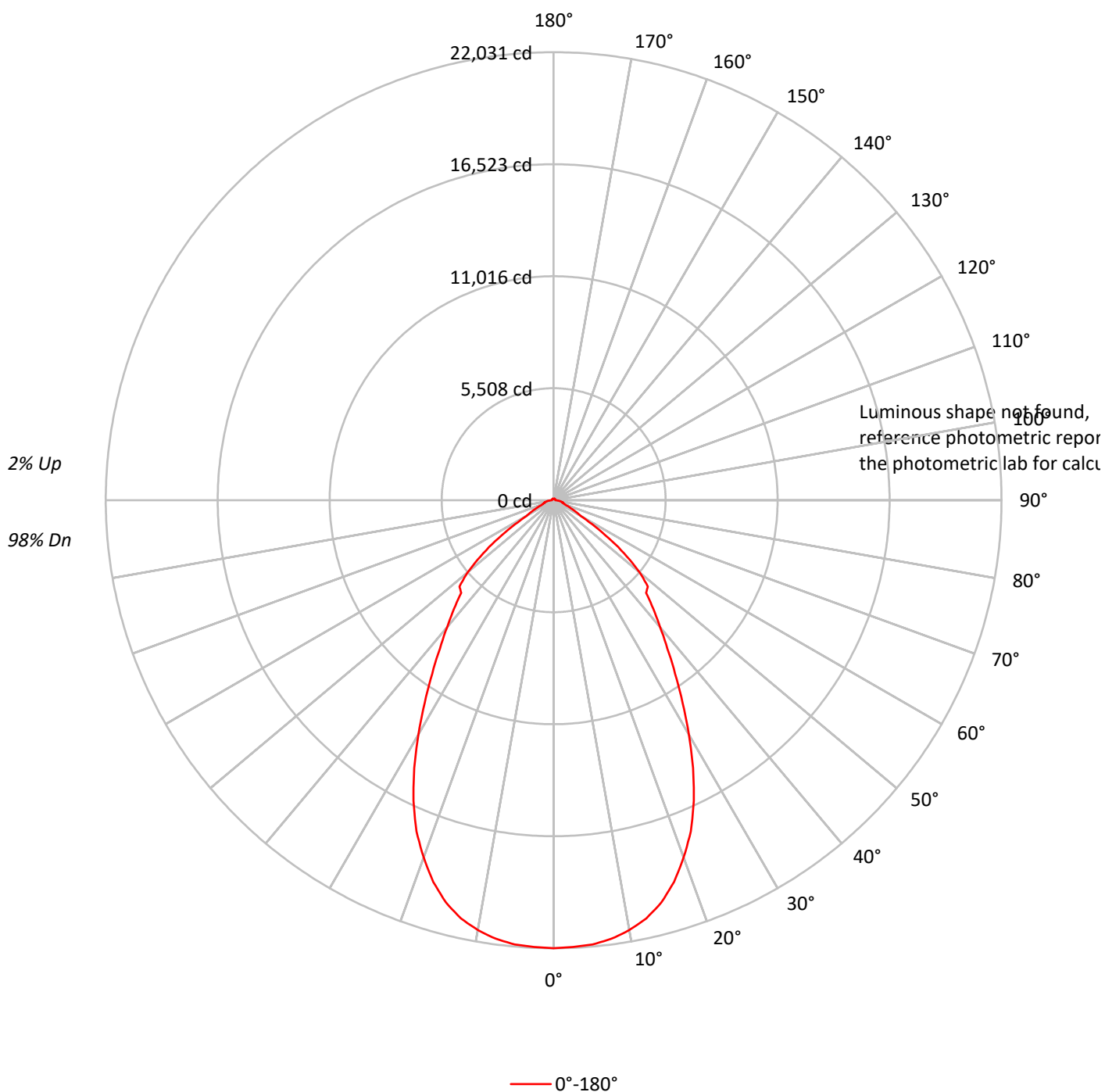
Lumens per Lamp: N/A
Luminaire Lumens: 32274.1 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 237.6
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



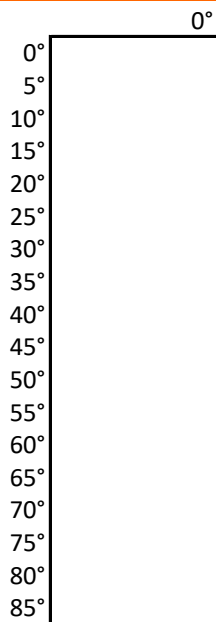
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	2078.2	6.4
10°-20°	5721.3	17.7
20°-30°	7420.5	23.0
30°-40°	6553.8	20.3
40°-50°	5161.4	16.0
50°-60°	3102.2	9.6
60°-70°	973.1	3.0
70°-80°	495.3	1.5
80°-90°	246.7	0.8
90°-100°	89.3	0.3
100°-110°	90.3	0.3
110°-120°	85.2	0.3
120°-130°	75.7	0.2
130°-140°	64.5	0.2
140°-150°	53.4	0.2
150°-160°	37.2	0.1
160°-170°	19.9	0.1
170°-180°	6.0	0.0
0°-30°	15220.1	47.2
0°-40°	21773.8	67.5
0°-60°	30037.4	93.1
0°-90°	31752.5	98.4
90°-120°	264.8	0.8
90°-150°	458.4	1.4
90°-180°	522.0	1.6
0°-180°	32274.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22031	
5°	21928	###
15°	20478	5721
25°	16309	7420
35°	10419	6554
45°	6430	5161
55°	3514	3102
65°	950	973
75°	466	495
85°	227	215
90°	81	54
95°	82	67
105°	85	90
115°	86	85
125°	84	76
135°	83	64
145°	85	53
155°	79	37
165°	69	20
175°	64	6
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22031.0
2.5°	21986.8
5°	21927.8
7.5°	21753.1
10°	21464.9
12.5°	21061.0
15°	20477.9
17.5°	19678.1
20°	18695.6
22.5°	17623.5
25°	16308.6
27.5°	14842.8
30°	13287.4
32.5°	11809.1
35°	10419.3
37.5°	9189.5
40°	8145.8
42.5°	7248.4
45°	6430.4
47.5°	6278.4
50°	5514.8
52.5°	4538.0
55°	3513.6
57.5°	2407.4
60°	1541.8
62.5°	1223.0
65°	949.6
67.5°	715.9
70°	574.1
72.5°	507.1
75°	466.3
77.5°	428.8
80°	372.1
82.5°	302.9
85°	226.9
87.5°	149.8
90°	80.6
92.5°	80.6
95°	81.7
97.5°	82.8
100°	84.0
102.5°	85.1
105°	85.1
107.5°	86.2
110°	86.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	86.2
115°	86.2
117.5°	85.1
120°	85.1
122.5°	85.1
125°	84.0
127.5°	84.0
130°	84.0
132.5°	84.0
135°	82.8
137.5°	82.8
140°	82.8
142.5°	84.0
145°	85.1
147.5°	86.2
150°	87.4
152.5°	82.8
155°	79.4
157.5°	77.1
160°	74.9
162.5°	72.6
165°	69.2
167.5°	66.9
170°	64.7
172.5°	62.4
175°	63.5
177.5°	63.5
180°	63.5

(END OF REPORT)