

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: P1505412

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505412
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

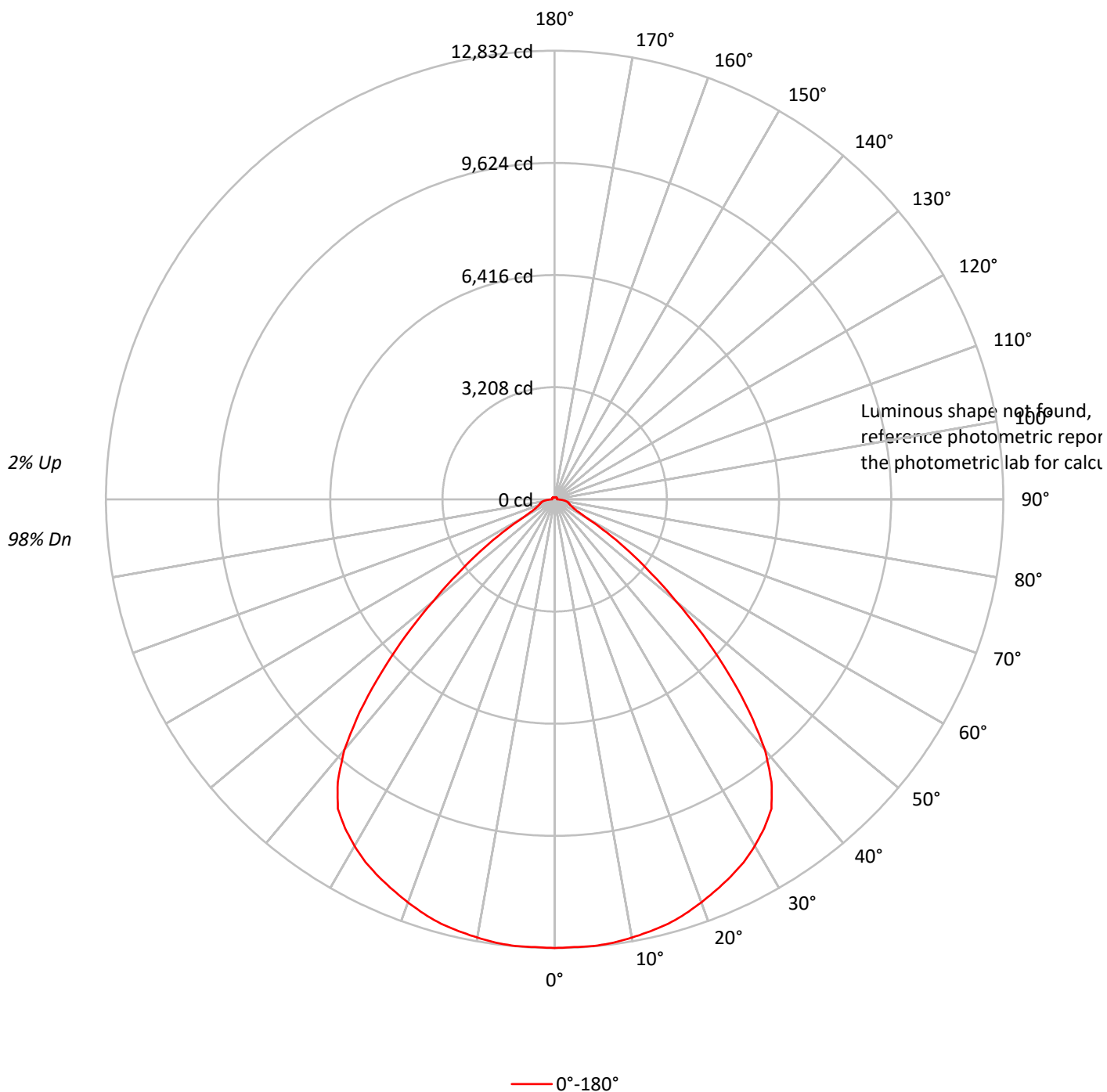
Lumens per Lamp: N/A
Luminaire Lumens: 26429.9 lumens
Efficiency: N/A
Efficacy: 169.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 156.4
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





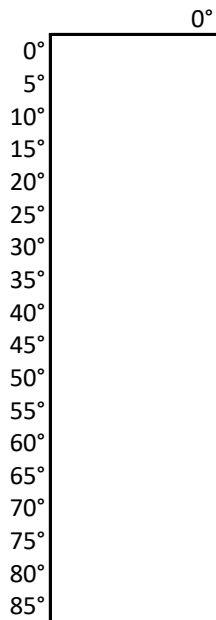
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	100	100	100	98		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90	88		
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79	77		
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71	69		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61		
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56	54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51	49		
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46	44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42	40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.9	4.6
10°-20°	3546.8	13.4
20°-30°	5491.9	20.8
30°-40°	6656.7	25.2
40°-50°	5366.2	20.3
50°-60°	2364.4	8.9
60°-70°	644.5	2.4
70°-80°	442.3	1.7
80°-90°	243.2	0.9
90°-100°	78.8	0.3
100°-110°	79.0	0.3
110°-120°	74.3	0.3
120°-130°	66.5	0.3
130°-140°	56.6	0.2
140°-150°	45.9	0.2
150°-160°	31.3	0.1
160°-170°	16.0	0.1
170°-180°	4.7	0.0
0°-30°	10259.6	38.8
0°-40°	16916.3	64.0
0°-60°	24646.8	93.3
0°-90°	25976.8	98.3
90°-120°	232.1	0.9
90°-150°	401.1	1.5
90°-180°	453.0	1.7
0°-180°	26429.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12832	
5°	12822	###
15°	12565	3547
25°	11906	5492
35°	10806	6657
45°	7020	5366
55°	2609	2364
65°	605	645
75°	421	442
85°	231	213
90°	71	50
95°	72	59
105°	75	79
115°	75	74
125°	74	67
135°	73	57
145°	73	46
155°	67	31
165°	56	16
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12832.0
2.5°	12816.4
5°	12821.6
7.5°	12792.9
10°	12726.9
12.5°	12650.5
15°	12565.4
17.5°	12429.0
20°	12265.8
22.5°	12089.5
25°	11906.2
27.5°	11702.1
30°	11446.8
32.5°	11150.6
35°	10805.8
37.5°	10186.6
40°	9353.7
42.5°	8250.7
45°	7020.0
47.5°	5763.3
50°	4543.1
52.5°	3493.1
55°	2609.0
57.5°	1776.1
60°	1049.1
62.5°	718.2
65°	605.3
67.5°	525.4
70°	473.3
72.5°	446.4
75°	421.2
77.5°	393.4
80°	352.6
82.5°	300.5
85°	231.0
87.5°	149.4
90°	71.2
92.5°	71.2
95°	72.1
97.5°	73.0
100°	73.8
102.5°	74.7
105°	74.7
107.5°	74.7
110°	75.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.7
115°	74.7
117.5°	74.7
120°	74.7
122.5°	74.7
125°	73.8
127.5°	73.8
130°	73.8
132.5°	73.0
135°	73.0
137.5°	73.0
140°	73.0
142.5°	73.0
145°	73.0
147.5°	73.0
150°	73.8
152.5°	70.3
155°	66.9
157.5°	64.3
160°	61.7
162.5°	59.1
165°	55.6
167.5°	53.0
170°	50.4
172.5°	48.6
175°	48.6
177.5°	48.6
180°	48.6

(END OF REPORT)