

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: P1505403

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505403
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 (4000K_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

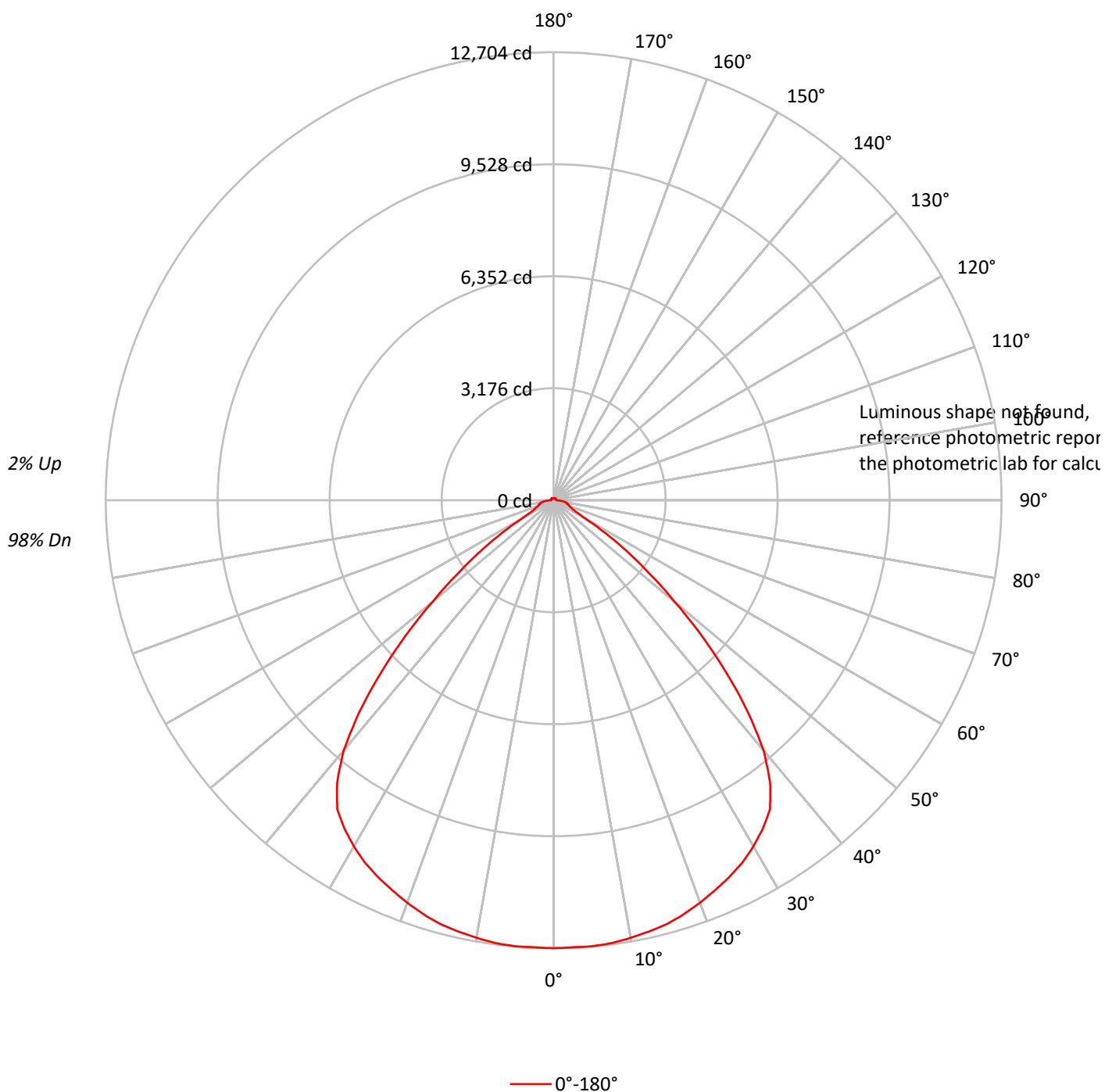
Lumens per Lamp: N/A
Luminaire Lumens: 26165.6 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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





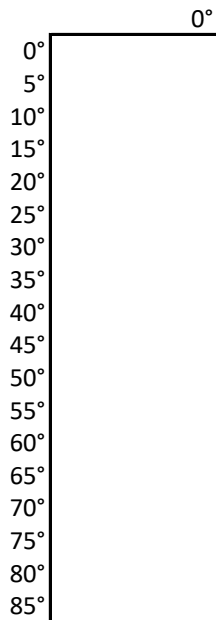
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1208.7	4.6
10°-20°	3511.4	13.4
20°-30°	5437.0	20.8
30°-40°	6590.1	25.2
40°-50°	5312.6	20.3
50°-60°	2340.7	8.9
60°-70°	638.1	2.4
70°-80°	437.9	1.7
80°-90°	240.7	0.9
90°-100°	78.0	0.3
100°-110°	78.2	0.3
110°-120°	73.5	0.3
120°-130°	65.9	0.3
130°-140°	56.0	0.2
140°-150°	45.4	0.2
150°-160°	31.0	0.1
160°-170°	15.9	0.1
170°-180°	4.6	0.0
0°-30°	10157.1	38.8
0°-40°	16747.2	64.0
0°-60°	24400.5	93.3
0°-90°	25717.2	98.3
90°-120°	229.6	0.9
90°-150°	396.9	1.5
90°-180°	448.0	1.7
0°-180°	26165.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12704	
5°	12694	###
15°	12440	3511
25°	11787	5437
35°	10698	6590
45°	6950	5313
55°	2583	2341
65°	599	638
75°	417	438
85°	229	211
90°	70	49
95°	71	59
105°	74	78
115°	74	73
125°	73	66
135°	72	56
145°	72	45
155°	66	31
165°	55	16
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12703.8
2.5°	12688.3
5°	12693.5
7.5°	12665.1
10°	12599.7
12.5°	12524.1
15°	12439.8
17.5°	12304.8
20°	12143.2
22.5°	11968.6
25°	11787.2
27.5°	11585.2
30°	11332.4
32.5°	11039.2
35°	10697.8
37.5°	10084.8
40°	9260.2
42.5°	8168.2
45°	6949.9
47.5°	5705.7
50°	4497.7
52.5°	3458.2
55°	2582.9
57.5°	1758.3
60°	1038.7
62.5°	711.1
65°	599.3
67.5°	520.2
70°	468.6
72.5°	441.9
75°	417.0
77.5°	389.5
80°	349.1
82.5°	297.5
85°	228.7
87.5°	147.9
90°	70.5
92.5°	70.5
95°	71.4
97.5°	72.2
100°	73.1
102.5°	73.9
105°	73.9
107.5°	73.9
110°	74.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	73.9
115°	73.9
117.5°	73.9
120°	73.9
122.5°	73.9
125°	73.1
127.5°	73.1
130°	73.1
132.5°	72.2
135°	72.2
137.5°	72.2
140°	72.2
142.5°	72.2
145°	72.2
147.5°	72.2
150°	73.1
152.5°	69.6
155°	66.2
157.5°	63.6
160°	61.0
162.5°	58.5
165°	55.0
167.5°	52.4
170°	49.9
172.5°	48.1
175°	48.1
177.5°	48.1
180°	48.1

(END OF REPORT)