

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: P1505062

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505062
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
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-A-04-TRWH-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

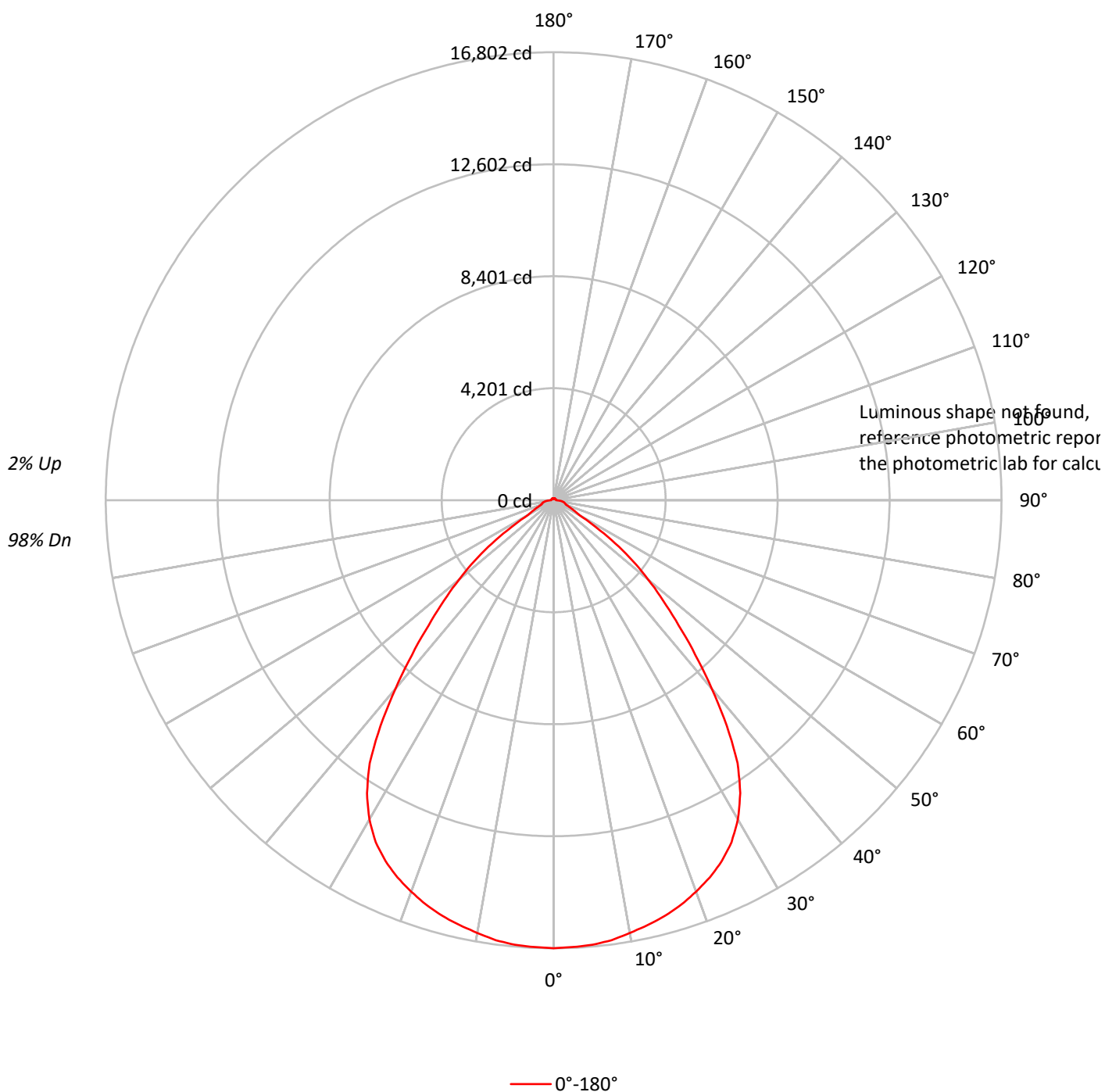
Lumens per Lamp: N/A
Luminaire Lumens: 30055.3 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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				0
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	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88			
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80	78			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56			
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44	42			
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1589.3	5.3
10°-20°	4552.5	15.1
20°-30°	6851.4	22.8
30°-40°	7364.7	24.5
40°-50°	5180.5	17.2
50°-60°	2513.3	8.4
60°-70°	750.8	2.5
70°-80°	463.1	1.5
80°-90°	266.6	0.9
90°-100°	96.7	0.3
100°-110°	93.8	0.3
110°-120°	86.7	0.3
120°-130°	75.6	0.3
130°-140°	63.5	0.2
140°-150°	52.2	0.2
150°-160°	34.3	0.1
160°-170°	15.9	0.1
170°-180°	4.3	0.0
0°-30°	12993.3	43.2
0°-40°	20358.0	67.7
0°-60°	28051.8	93.3
0°-90°	29532.4	98.3
90°-120°	277.2	0.9
90°-150°	468.4	1.6
90°-180°	523.0	1.7
0°-180°	30055.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16802	
5°	16733	###
15°	16137	4553
25°	14930	6851
35°	12032	7365
45°	6630	5180
55°	2824	2513
65°	735	751
75°	437	463
85°	253	230
90°	92	61
95°	88	72
105°	89	94
115°	88	87
125°	85	76
135°	82	63
145°	84	52
155°	72	34
165°	55	16
175°	43	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16802.5
2.5°	16771.9
5°	16733.2
7.5°	16641.4
10°	16477.3
12.5°	16318.3
15°	16136.8
17.5°	15907.4
20°	15622.0
22.5°	15310.0
25°	14929.8
27.5°	14454.7
30°	13819.6
32.5°	13030.5
35°	12032.5
37.5°	10668.5
40°	9229.0
42.5°	7872.2
45°	6630.5
47.5°	5573.3
50°	4635.4
52.5°	3754.6
55°	2823.9
57.5°	1890.1
60°	1114.3
62.5°	901.2
65°	735.0
67.5°	595.4
70°	504.6
72.5°	464.9
75°	437.3
77.5°	412.9
80°	371.1
82.5°	318.1
85°	252.8
87.5°	176.4
90°	91.8
92.5°	87.7
95°	87.7
97.5°	88.7
100°	88.7
102.5°	88.7
105°	88.7
107.5°	88.7
110°	88.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.7
115°	87.7
117.5°	86.7
120°	85.6
122.5°	84.6
125°	84.6
127.5°	83.6
130°	82.6
132.5°	82.6
135°	81.6
137.5°	81.6
140°	81.6
142.5°	82.6
145°	83.6
147.5°	83.6
150°	83.6
152.5°	78.5
155°	72.4
157.5°	69.3
160°	64.2
162.5°	59.1
165°	55.1
167.5°	51.0
170°	47.9
172.5°	44.9
175°	42.8
177.5°	41.8
180°	41.8

(END OF REPORT)