

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: P1505044

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505044
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 (4000K_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

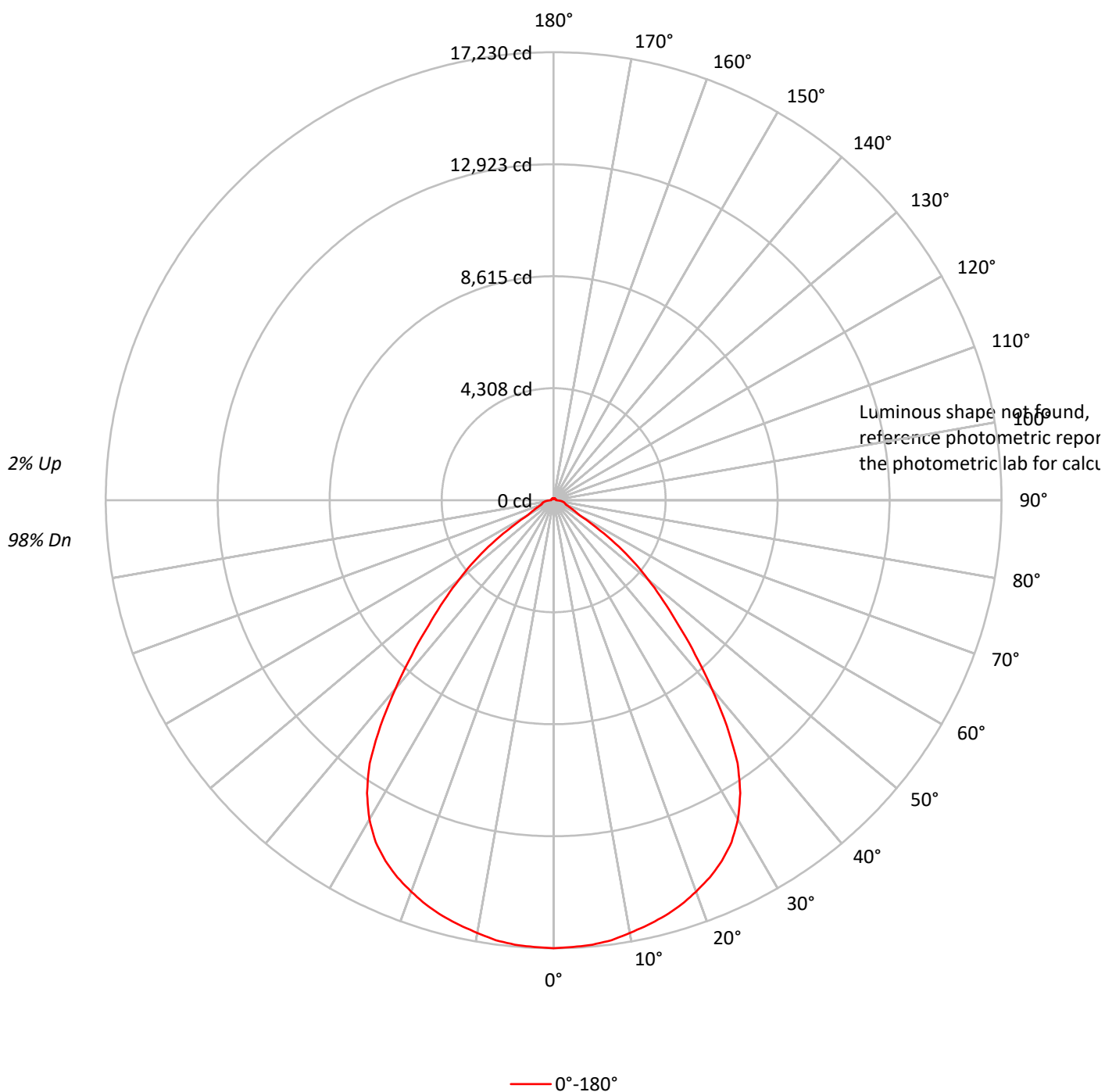
Lumens per Lamp: N/A
Luminaire Lumens: 30819.7 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 194.3
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	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°	1629.8	5.3
10°-20°	4668.3	15.1
20°-30°	7025.7	22.8
30°-40°	7552.1	24.5
40°-50°	5312.3	17.2
50°-60°	2577.2	8.4
60°-70°	769.9	2.5
70°-80°	474.9	1.5
80°-90°	273.4	0.9
90°-100°	99.1	0.3
100°-110°	96.2	0.3
110°-120°	88.9	0.3
120°-130°	77.5	0.3
130°-140°	65.1	0.2
140°-150°	53.5	0.2
150°-160°	35.2	0.1
160°-170°	16.3	0.1
170°-180°	4.4	0.0
0°-30°	13323.8	43.2
0°-40°	20875.9	67.7
0°-60°	28765.4	93.3
0°-90°	30283.6	98.3
90°-120°	284.1	0.9
90°-150°	480.2	1.6
90°-180°	536.0	1.7
0°-180°	30819.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17230	
5°	17159	###
15°	16547	4668
25°	15310	7026
35°	12339	7552
45°	6799	5312
55°	2896	2577
65°	754	770
75°	448	475
85°	259	236
90°	94	63
95°	90	74
105°	91	96
115°	90	89
125°	87	78
135°	84	65
145°	86	53
155°	74	35
165°	56	16
175°	44	4
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17229.9
2.5°	17198.6
5°	17158.9
7.5°	17064.8
10°	16896.5
12.5°	16733.4
15°	16547.3
17.5°	16312.1
20°	16019.4
22.5°	15699.5
25°	15309.6
27.5°	14822.4
30°	14171.2
32.5°	13362.0
35°	12338.6
37.5°	10939.9
40°	9463.8
42.5°	8072.4
45°	6799.1
47.5°	5715.1
50°	4753.3
52.5°	3850.1
55°	2895.7
57.5°	1938.1
60°	1142.6
62.5°	924.1
65°	753.7
67.5°	610.5
70°	517.5
72.5°	476.7
75°	448.5
77.5°	423.4
80°	380.5
82.5°	326.2
85°	259.3
87.5°	180.9
90°	94.1
92.5°	89.9
95°	89.9
97.5°	90.9
100°	90.9
102.5°	90.9
105°	90.9
107.5°	90.9
110°	90.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.9
115°	89.9
117.5°	88.9
120°	87.8
122.5°	86.8
125°	86.8
127.5°	85.7
130°	84.7
132.5°	84.7
135°	83.6
137.5°	83.6
140°	83.6
142.5°	84.7
145°	85.7
147.5°	85.7
150°	85.7
152.5°	80.5
155°	74.2
157.5°	71.1
160°	65.9
162.5°	60.6
165°	56.5
167.5°	52.3
170°	49.1
172.5°	46.0
175°	43.9
177.5°	42.9
180°	42.9

(END OF REPORT)