

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: P1504982

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504982
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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-CLER-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

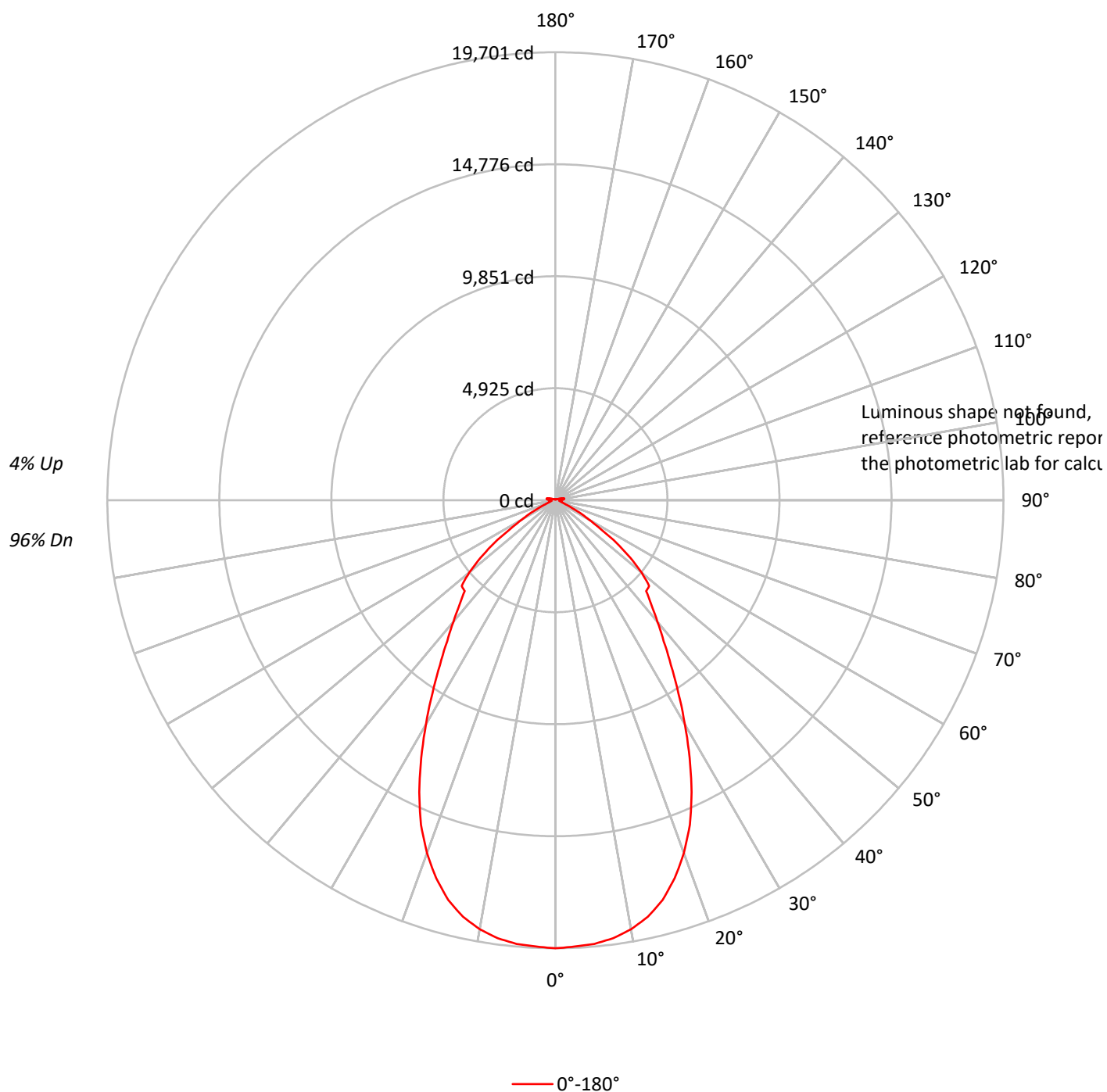
Lumens per Lamp: N/A
Luminaire Lumens: 28796.3 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 199.4
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	87	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1855.8	6.4
10°-20°	5079.7	17.6
20°-30°	6447.0	22.4
30°-40°	5585.6	19.4
40°-50°	4519.2	15.7
50°-60°	2910.2	10.1
60°-70°	894.2	3.1
70°-80°	287.8	1.0
80°-90°	205.9	0.7
90°-100°	362.0	1.3
100°-110°	344.4	1.2
110°-120°	146.3	0.5
120°-130°	54.8	0.2
130°-140°	35.9	0.1
140°-150°	30.1	0.1
150°-160°	21.7	0.1
160°-170°	12.0	0.0
170°-180°	3.7	0.0
0°-30°	13382.6	46.5
0°-40°	18968.2	65.9
0°-60°	26397.6	91.7
0°-90°	27785.5	96.5
90°-120°	852.7	3.0
90°-150°	973.4	3.4
90°-180°	1011.0	3.5
0°-180°	28796.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19701	
5°	19587	###
15°	18198	5080
25°	14166	6447
35°	8846	5586
45°	5643	4519
55°	3284	2910
65°	825	894
75°	267	288
85°	172	147
90°	234	131
95°	344	290
105°	334	344
115°	140	146
125°	58	55
135°	46	36
145°	48	30
155°	47	22
165°	42	12
175°	39	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19701.1
2.5°	19640.6
5°	19586.9
7.5°	19423.1
10°	19156.0
12.5°	18763.8
15°	18197.9
17.5°	17426.4
20°	16509.9
22.5°	15438.6
25°	14165.7
27.5°	12774.7
30°	11379.6
32.5°	10069.0
35°	8845.7
37.5°	7821.1
40°	6973.1
42.5°	6242.4
45°	5642.7
47.5°	5593.0
50°	4943.6
52.5°	4149.3
55°	3284.5
57.5°	2350.2
60°	1697.9
62.5°	1249.1
65°	825.1
67.5°	527.2
70°	376.3
72.5°	305.8
75°	267.1
77.5°	231.3
80°	196.6
82.5°	172.8
85°	171.8
87.5°	194.6
90°	234.3
92.5°	289.9
95°	343.5
97.5°	381.3
100°	392.2
102.5°	373.3
105°	333.6
107.5°	282.0
110°	229.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	180.7
115°	140.0
117.5°	108.2
120°	84.4
122.5°	68.5
125°	57.6
127.5°	50.6
130°	47.7
132.5°	45.7
135°	45.7
137.5°	46.7
140°	46.7
142.5°	47.7
145°	47.7
147.5°	48.7
150°	48.7
152.5°	47.7
155°	46.7
157.5°	45.7
160°	44.7
162.5°	43.7
165°	41.7
167.5°	40.7
170°	39.7
172.5°	38.7
175°	38.7
177.5°	37.7
180°	37.7

(END OF REPORT)