

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: P1505362

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505362
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-95)
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-CLER-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

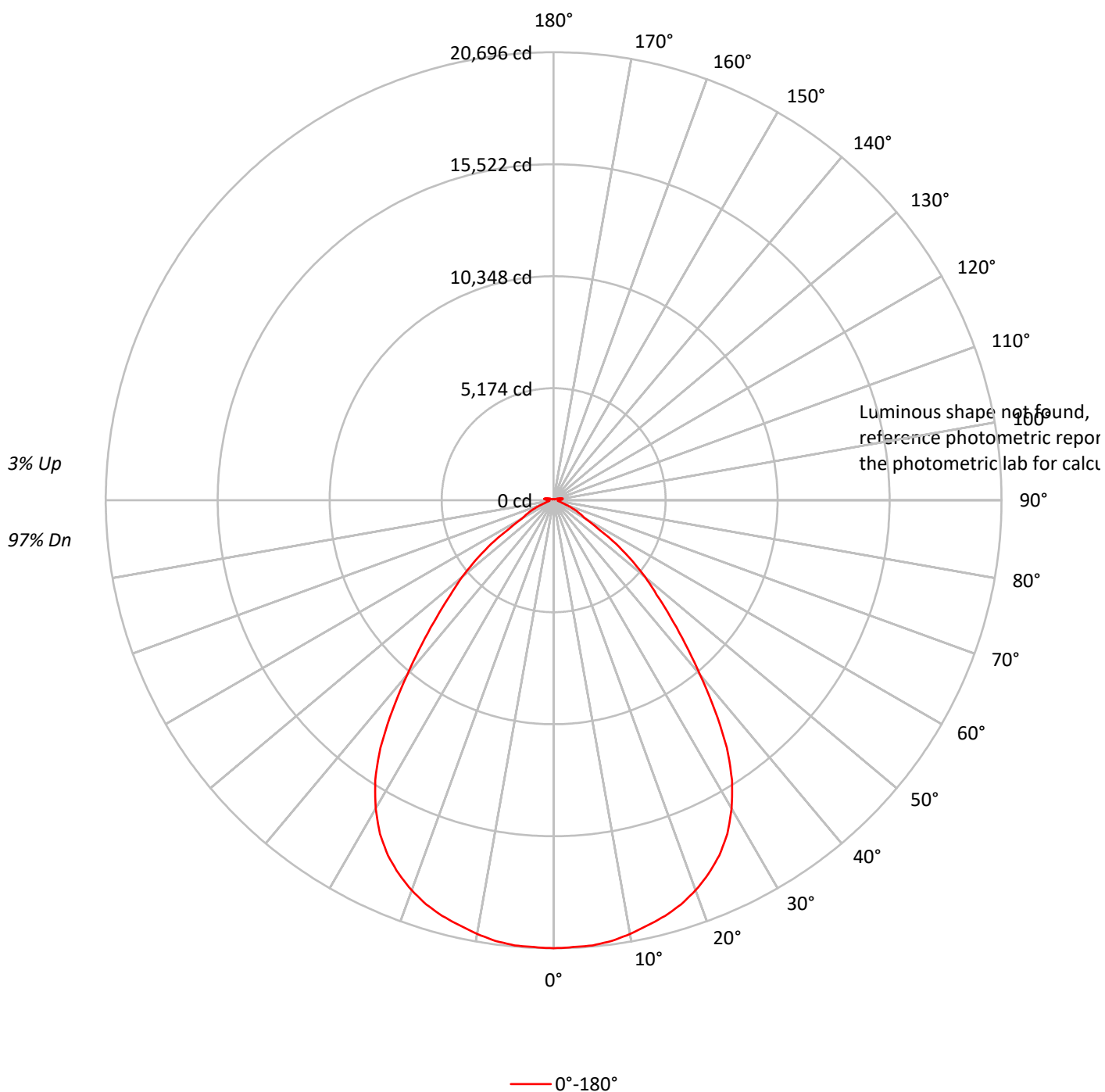
Lumens per Lamp: N/A
Luminaire Lumens: 36388.5 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 231.9
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	97		
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	86	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	72	67	76	70	66	74	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	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°	1960.8	5.4
10°-20°	5605.4	15.4
20°-30°	8293.3	22.8
30°-40°	8567.4	23.5
40°-50°	5965.7	16.4
50°-60°	3119.1	8.6
60°-70°	1126.5	3.1
70°-80°	385.9	1.1
80°-90°	232.9	0.6
90°-100°	408.5	1.1
100°-110°	371.2	1.0
110°-120°	161.6	0.4
120°-130°	64.0	0.2
130°-140°	44.6	0.1
140°-150°	36.3	0.1
150°-160°	26.0	0.1
160°-170°	14.6	0.0
170°-180°	4.7	0.0
0°-30°	15859.5	43.6
0°-40°	24426.9	67.1
0°-60°	33511.6	92.1
0°-90°	35257.0	96.9
90°-120°	941.3	2.6
90°-150°	1086.3	3.0
90°-180°	1132.0	3.1
0°-180°	36388.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20696	
5°	20642	###
15°	19878	5605
25°	18106	8293
35°	13953	8567
45°	7624	5966
55°	3527	3119
65°	1149	1127
75°	335	386
85°	195	167
90°	260	146
95°	394	328
105°	356	371
115°	155	162
125°	68	64
135°	57	45
145°	58	36
155°	56	26
165°	51	15
175°	50	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20696.2
2.5°	20663.5
5°	20641.7
7.5°	20536.3
10°	20343.8
12.5°	20113.7
15°	19877.6
17.5°	19576.1
20°	19176.5
22.5°	18689.8
25°	18106.1
27.5°	17376.0
30°	16447.2
32.5°	15341.7
35°	13952.8
37.5°	12237.0
40°	10533.3
42.5°	8985.9
45°	7623.6
47.5°	6457.6
50°	5508.2
52.5°	4521.4
55°	3527.3
57.5°	2421.7
60°	1668.6
62.5°	1425.2
65°	1149.1
67.5°	854.9
70°	607.9
72.5°	438.3
75°	335.4
77.5°	273.7
80°	226.4
82.5°	198.6
85°	194.9
87.5°	216.7
90°	260.3
92.5°	328.1
95°	393.5
97.5°	431.1
100°	431.1
102.5°	400.8
105°	356.0
107.5°	303.9
110°	249.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	198.6
115°	155.0
117.5°	121.1
120°	95.7
122.5°	78.7
125°	67.8
127.5°	60.5
130°	58.1
132.5°	56.9
135°	56.9
137.5°	58.1
140°	59.3
142.5°	58.1
145°	58.1
147.5°	56.9
150°	56.9
152.5°	56.9
155°	55.7
157.5°	55.7
160°	54.5
162.5°	53.3
165°	50.9
167.5°	49.6
170°	48.4
172.5°	48.4
175°	49.6
177.5°	49.6
180°	50.9

(END OF REPORT)