

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: P1505548

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505548
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-06-CLER-PS (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

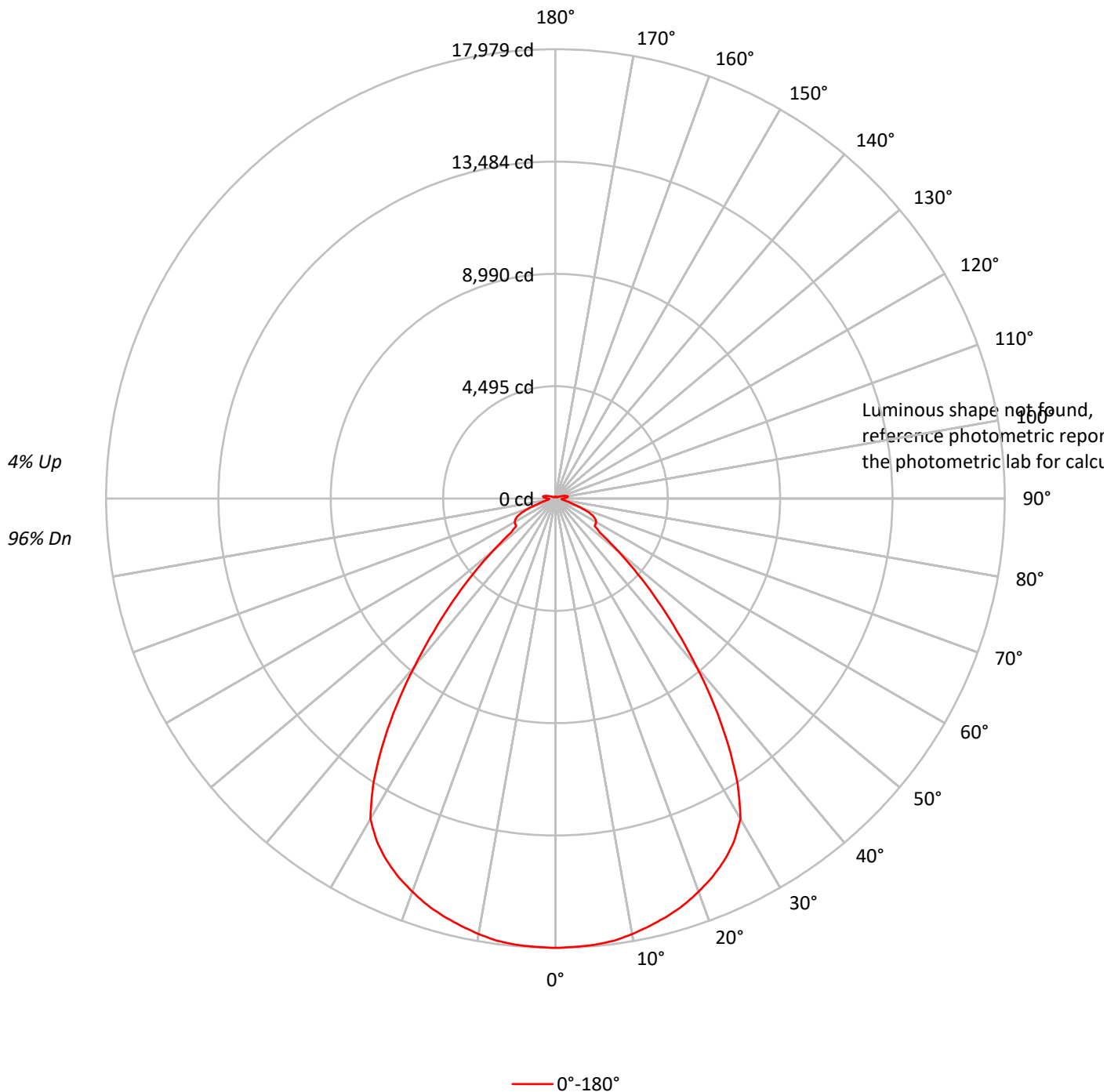
Lumens per Lamp: N/A
Luminaire Lumens: 31672.3 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.5
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	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	94	95	93	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	85	80	75	82	77	73	79	75	71	76	73	70	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	60		
5	83	73	65	60	81	71	64	59	69	63	58	67	61	57	64	60	56	55		
6	78	67	59	54	76	66	59	53	63	57	53	62	56	52	60	55	51	49		
7	73	61	54	49	71	60	53	49	59	52	48	57	51	47	55	51	47	45		
8	68	57	50	45	67	56	49	44	54	48	44	53	47	43	52	47	43	41		
9	64	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38		
10	61	49	42	38	59	48	42	37	47	41	37	46	41	37	45	40	36	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°	1704.2	5.4
10°-20°	4882.4	15.4
20°-30°	7337.4	23.2
30°-40°	7446.3	23.5
40°-50°	4480.9	14.1
50°-60°	1926.6	6.1
60°-70°	1582.7	5.0
70°-80°	650.1	2.1
80°-90°	294.3	0.9
90°-100°	471.7	1.5
100°-110°	428.9	1.4
110°-120°	199.4	0.6
120°-130°	88.6	0.3
130°-140°	66.8	0.2
140°-150°	51.3	0.2
150°-160°	34.9	0.1
160°-170°	19.7	0.1
170°-180°	5.9	0.0
0°-30°	13924.0	44.0
0°-40°	21370.3	67.5
0°-60°	27777.8	87.7
0°-90°	30305.0	95.7
90°-120°	1100.1	3.5
90°-150°	1306.8	4.1
90°-180°	1367.0	4.3
0°-180°	31672.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17979	
5°	17928	###
15°	17303	4882
25°	15983	7337
35°	12074	7446
45°	5778	4481
55°	1916	1927
65°	1676	1583
75°	561	650
85°	246	217
90°	302	170
95°	452	379
105°	408	429
115°	193	199
125°	94	89
135°	86	67
145°	81	51
155°	75	35
165°	70	20
175°	62	6
180°	63	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17979.4
2.5°	17958.3
5°	17927.8
7.5°	17848.7
10°	17699.1
12.5°	17506.2
15°	17302.8
17.5°	17056.2
20°	16741.2
22.5°	16397.6
25°	15983.4
27.5°	15475.5
30°	14806.3
32.5°	13574.4
35°	12073.7
37.5°	10451.9
40°	8774.2
42.5°	7186.1
45°	5778.2
47.5°	4466.1
50°	3252.1
52.5°	2246.8
55°	1915.9
57.5°	1904.3
60°	1879.0
62.5°	1805.2
65°	1675.6
67.5°	1426.9
70°	1100.2
72.5°	787.2
75°	560.6
77.5°	413.1
80°	317.2
82.5°	263.5
85°	245.5
87.5°	260.3
90°	302.4
92.5°	376.2
95°	452.1
97.5°	499.5
100°	502.7
102.5°	462.6
105°	407.8
107.5°	349.9
110°	294.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	241.3
115°	192.9
117.5°	154.9
120°	126.5
122.5°	106.4
125°	93.8
127.5°	87.5
130°	85.4
132.5°	85.4
135°	86.4
137.5°	87.5
140°	86.4
142.5°	84.3
145°	81.1
147.5°	79.0
150°	76.9
152.5°	75.9
155°	74.8
157.5°	74.8
160°	73.8
162.5°	71.7
165°	69.6
167.5°	66.4
170°	63.2
172.5°	61.1
175°	62.2
177.5°	63.2
180°	63.2

(END OF REPORT)