

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: P1505409

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (4000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505409
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-102)
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-TRWH-PS (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

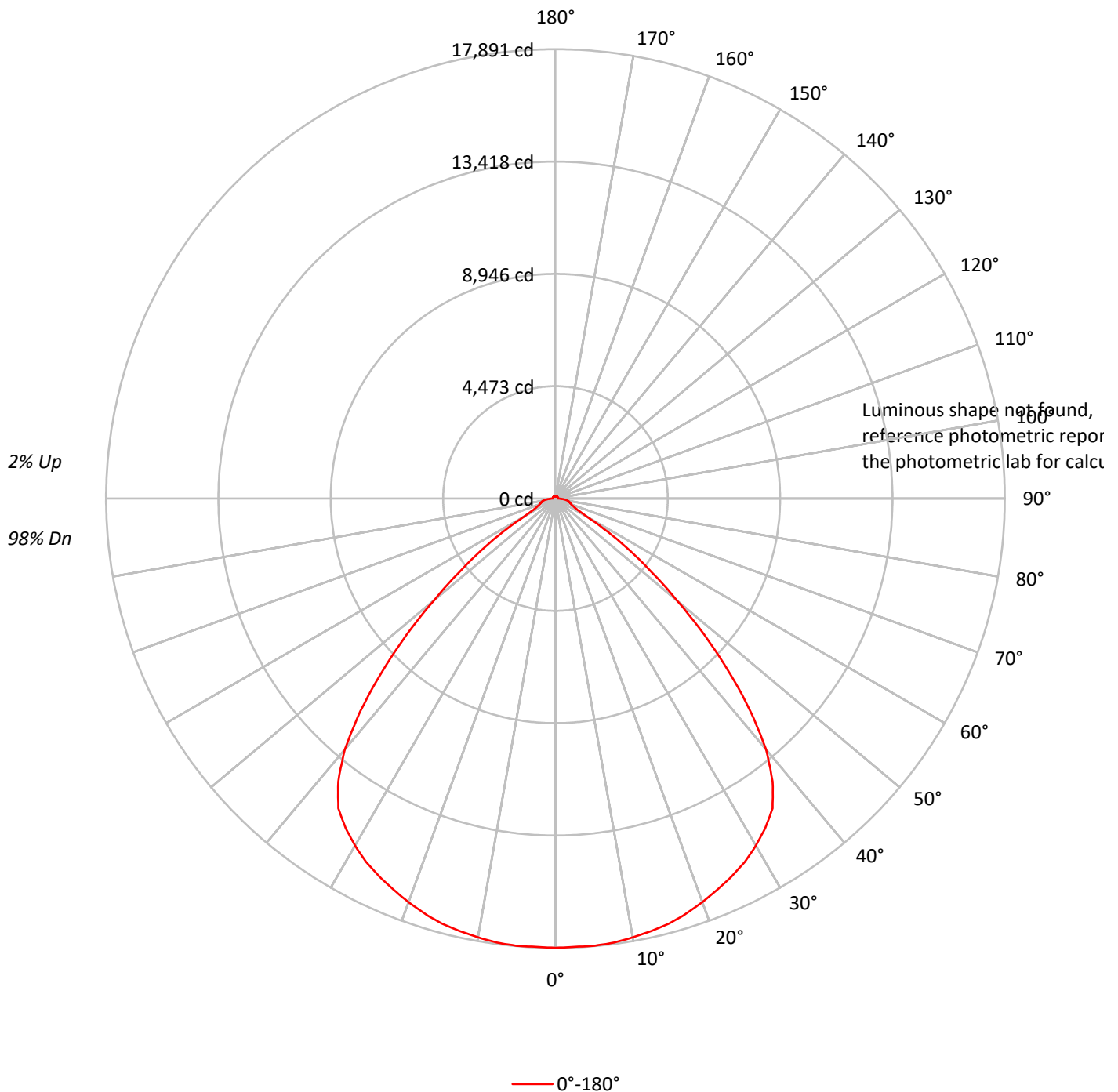
Lumens per Lamp: N/A
Luminaire Lumens: 36848.8 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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





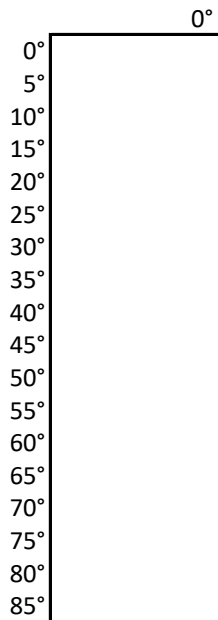
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	93	91	90	88		
2	103	97	91	87	101	95	90	86	91	87	84	88	84	81	85	82	79	77		
3	96	87	81	76	93	86	80	75	83	78	73	80	76	72	77	74	71	69		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61		
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	56	54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	60	55	51	49		
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	55	50	46	44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	42	40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1702.1	4.6
10°-20°	4945.0	13.4
20°-30°	7656.9	20.8
30°-40°	9280.8	25.2
40°-50°	7481.6	20.3
50°-60°	3296.4	8.9
60°-70°	898.7	2.4
70°-80°	616.7	1.7
80°-90°	339.0	0.9
90°-100°	109.8	0.3
100°-110°	110.1	0.3
110°-120°	103.5	0.3
120°-130°	92.7	0.3
130°-140°	78.9	0.2
140°-150°	64.0	0.2
150°-160°	43.7	0.1
160°-170°	22.3	0.1
170°-180°	6.5	0.0
0°-30°	14304.1	38.8
0°-40°	23584.8	64.0
0°-60°	34362.9	93.3
0°-90°	36217.2	98.3
90°-120°	323.4	0.9
90°-150°	559.0	1.5
90°-180°	632.0	1.7
0°-180°	36848.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17891	
5°	17876	###
15°	17519	4945
25°	16600	7657
35°	15066	9281
45°	9787	7482
55°	3637	3296
65°	844	899
75°	587	617
85°	322	297
90°	99	69
95°	100	83
105°	104	110
115°	104	103
125°	103	93
135°	102	79
145°	102	64
155°	93	44
165°	78	22
175°	68	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17890.6
2.5°	17868.8
5°	17876.0
7.5°	17836.1
10°	17744.1
12.5°	17637.5
15°	17518.8
17.5°	17328.7
20°	17101.1
22.5°	16855.3
25°	16599.8
27.5°	16315.2
30°	15959.2
32.5°	15546.3
35°	15065.6
37.5°	14202.3
40°	13041.1
42.5°	11503.2
45°	9787.4
47.5°	8035.3
50°	6334.1
52.5°	4870.1
55°	3637.4
57.5°	2476.2
60°	1462.7
62.5°	1001.4
65°	844.0
67.5°	732.6
70°	659.9
72.5°	622.4
75°	587.3
77.5°	548.5
80°	491.6
82.5°	419.0
85°	322.1
87.5°	208.3
90°	99.3
92.5°	99.3
95°	100.5
97.5°	101.7
100°	102.9
102.5°	104.1
105°	104.1
107.5°	104.1
110°	105.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.1
115°	104.1
117.5°	104.1
120°	104.1
122.5°	104.1
125°	102.9
127.5°	102.9
130°	102.9
132.5°	101.7
135°	101.7
137.5°	101.7
140°	101.7
142.5°	101.7
145°	101.7
147.5°	101.7
150°	102.9
152.5°	98.1
155°	93.2
157.5°	89.6
160°	86.0
162.5°	82.3
165°	77.5
167.5°	73.9
170°	70.2
172.5°	67.8
175°	67.8
177.5°	67.8
180°	67.8

(END OF REPORT)