

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: P1505208

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (3000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505208
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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-06-TRWH-PS (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

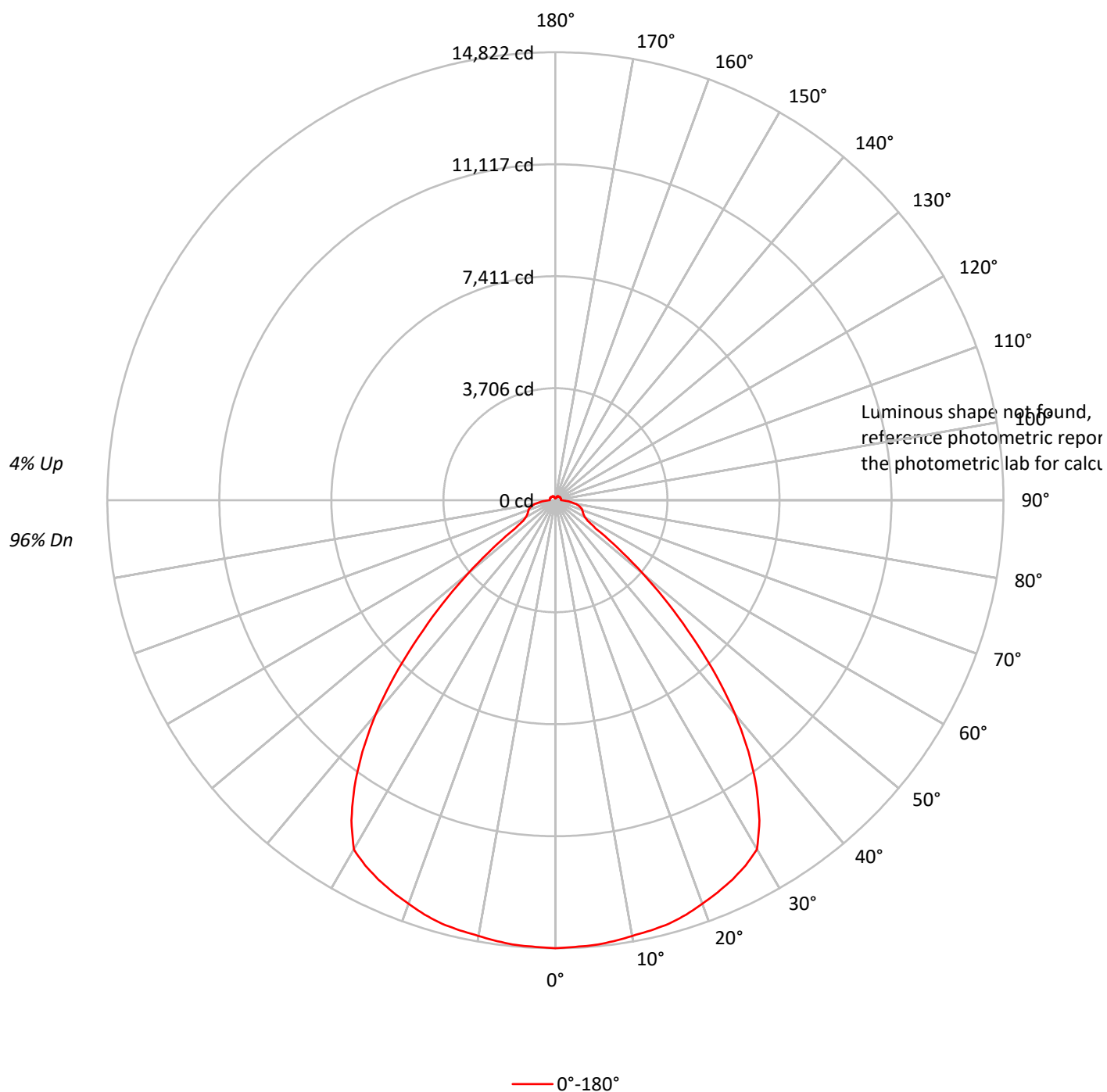
Lumens per Lamp: N/A
Luminaire Lumens: 29172.2 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96	
R	1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	85	
	2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	75	
	3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	67	
	4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	60	
	5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	54	
	6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	48	
	7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	44	
	8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	40	
	9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	36	
	10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	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°	1405.7	4.8
10°-20°	4095.9	14.0
20°-30°	6385.6	21.9
30°-40°	7164.0	24.6
40°-50°	4945.1	17.0
50°-60°	1757.8	6.0
60°-70°	1012.2	3.5
70°-80°	878.5	3.0
80°-90°	464.0	1.6
90°-100°	201.5	0.7
100°-110°	197.6	0.7
110°-120°	181.9	0.6
120°-130°	157.4	0.5
130°-140°	128.3	0.4
140°-150°	98.7	0.3
150°-160°	63.2	0.2
160°-170°	27.9	0.1
170°-180°	6.8	0.0
0°-30°	11887.2	40.7
0°-40°	19051.2	65.3
0°-60°	25754.1	88.3
0°-90°	28108.8	96.4
90°-120°	581.1	2.0
90°-150°	965.5	3.3
90°-180°	1063.0	3.6
0°-180°	29172.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14822	
5°	14773	###
15°	14506	4096
25°	13849	6386
35°	11596	7164
45°	6403	4945
55°	1626	1758
65°	1011	1012
75°	844	879
85°	424	398
90°	185	117
95°	185	151
105°	187	198
115°	184	182
125°	176	157
135°	166	128
145°	157	99
155°	136	63
165°	95	28
175°	66	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14822.0
2.5°	14792.2
5°	14773.4
7.5°	14716.8
10°	14635.3
12.5°	14576.8
15°	14506.3
17.5°	14377.2
20°	14208.4
22.5°	14038.6
25°	13849.0
27.5°	13623.6
30°	13336.6
32.5°	12560.2
35°	11596.1
37.5°	10486.0
40°	9250.8
42.5°	7864.8
45°	6403.2
47.5°	5067.8
50°	3764.1
52.5°	2602.4
55°	1626.4
57.5°	1260.0
60°	1136.9
62.5°	1055.5
65°	1010.8
67.5°	976.0
70°	945.2
72.5°	903.5
75°	844.0
77.5°	769.5
80°	672.2
82.5°	552.1
85°	424.0
87.5°	298.9
90°	184.7
92.5°	182.7
95°	184.7
97.5°	185.7
100°	186.7
102.5°	187.7
105°	186.7
107.5°	186.7
110°	185.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	184.7
115°	183.7
117.5°	181.7
120°	179.7
122.5°	177.7
125°	175.7
127.5°	172.8
130°	170.8
132.5°	167.8
135°	165.8
137.5°	162.8
140°	160.8
142.5°	158.9
145°	156.9
147.5°	155.9
150°	151.9
152.5°	145.0
155°	136.0
157.5°	126.1
160°	117.2
162.5°	106.2
165°	95.3
167.5°	86.4
170°	79.4
172.5°	71.5
175°	66.5
177.5°	63.5
180°	63.5

(END OF REPORT)