

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: P1504987

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504987
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

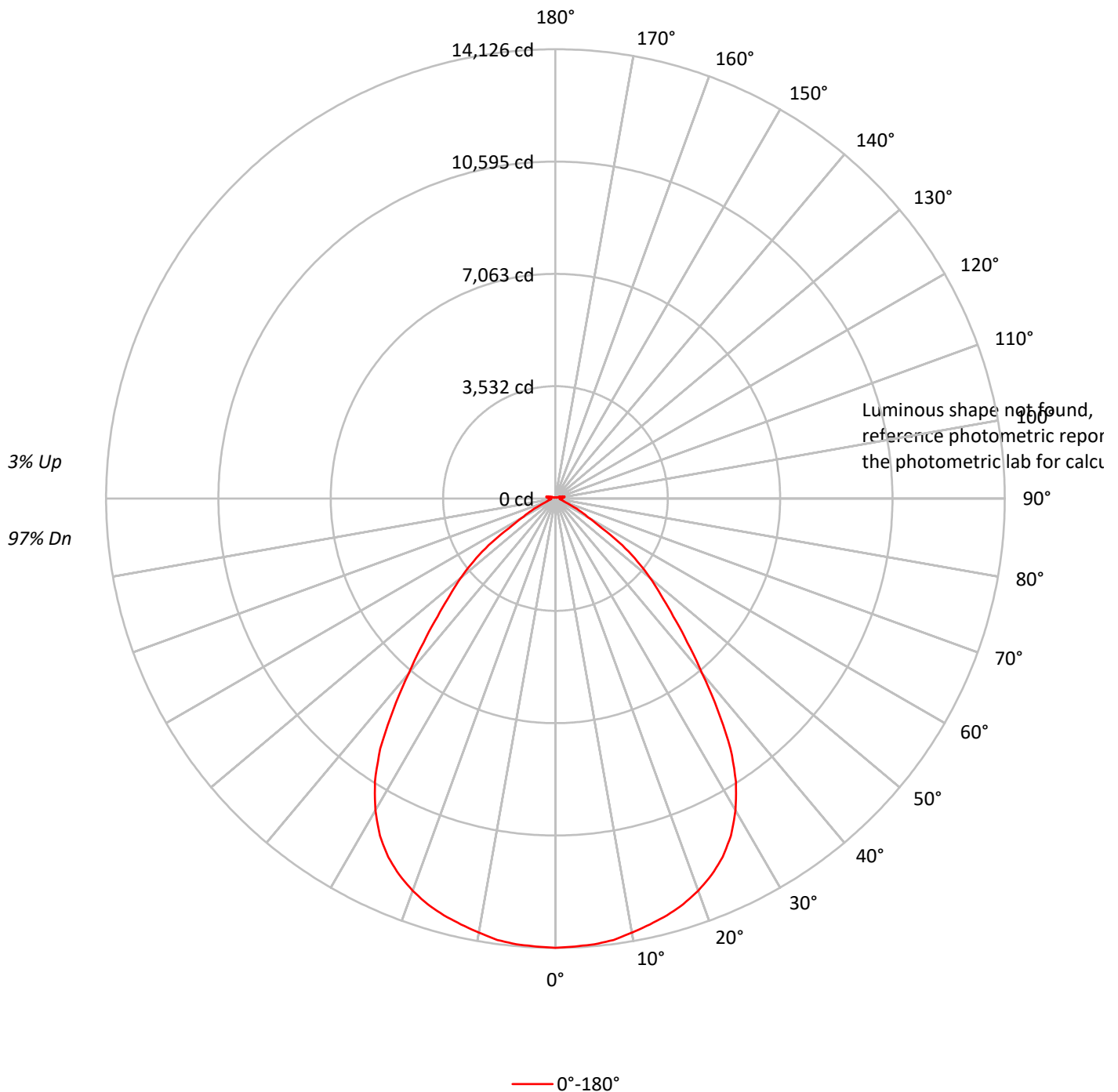
Lumens per Lamp: N/A
Luminaire Lumens: 24971.5 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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	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	104	97	92	88	101	95	90	87	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	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	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	44	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	59	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°	1336.5	5.4
10°-20°	3826.4	15.3
20°-30°	5695.1	22.8
30°-40°	5882.5	23.6
40°-50°	4110.7	16.5
50°-60°	2245.9	9.0
60°-70°	690.1	2.8
70°-80°	243.2	1.0
80°-90°	155.3	0.6
90°-100°	264.0	1.1
100°-110°	264.8	1.1
110°-120°	120.0	0.5
120°-130°	47.0	0.2
130°-140°	31.8	0.1
140°-150°	26.7	0.1
150°-160°	18.9	0.1
160°-170°	9.7	0.0
170°-180°	2.8	0.0
0°-30°	10858.0	43.5
0°-40°	16740.4	67.0
0°-60°	23097.0	92.5
0°-90°	24185.6	96.9
90°-120°	648.9	2.6
90°-150°	754.4	3.0
90°-180°	786.0	3.1
0°-180°	24971.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14126	
5°	14068	###
15°	13563	3826
25°	12437	5695
35°	9598	5882
45°	5237	4111
55°	2564	2246
65°	664	690
75°	227	243
85°	130	113
90°	166	93
95°	249	213
105°	257	265
115°	116	120
125°	50	47
135°	41	32
145°	42	27
155°	41	19
165°	34	10
175°	29	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14126.0
2.5°	14096.1
5°	14067.9
7.5°	13998.1
10°	13857.8
12.5°	13714.1
15°	13563.0
17.5°	13372.9
20°	13122.1
22.5°	12814.0
25°	12437.0
27.5°	11948.7
30°	11324.2
32.5°	10561.1
35°	9597.8
37.5°	8376.3
40°	7177.2
42.5°	6140.0
45°	5237.4
47.5°	4495.8
50°	3898.8
52.5°	3249.4
55°	2564.3
57.5°	1756.3
60°	1202.4
62.5°	936.7
65°	663.5
67.5°	443.4
70°	319.7
72.5°	261.6
75°	226.7
77.5°	193.5
80°	160.3
82.5°	136.2
85°	129.5
87.5°	140.3
90°	166.1
92.5°	207.6
95°	249.1
97.5°	281.5
100°	294.8
102.5°	283.2
105°	256.6
107.5°	220.9
110°	182.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	147.0
115°	116.3
117.5°	90.5
120°	71.4
122.5°	58.1
125°	49.8
127.5°	44.0
130°	41.5
132.5°	40.7
135°	40.7
137.5°	41.5
140°	41.5
142.5°	42.4
145°	42.4
147.5°	43.2
150°	43.2
152.5°	42.4
155°	40.7
157.5°	39.0
160°	37.4
162.5°	35.7
165°	34.0
167.5°	32.4
170°	30.7
172.5°	29.9
175°	29.1
177.5°	29.1
180°	29.1

(END OF REPORT)