

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: P1505043

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (4000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505043
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-68)
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-TRWH-PS (4000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

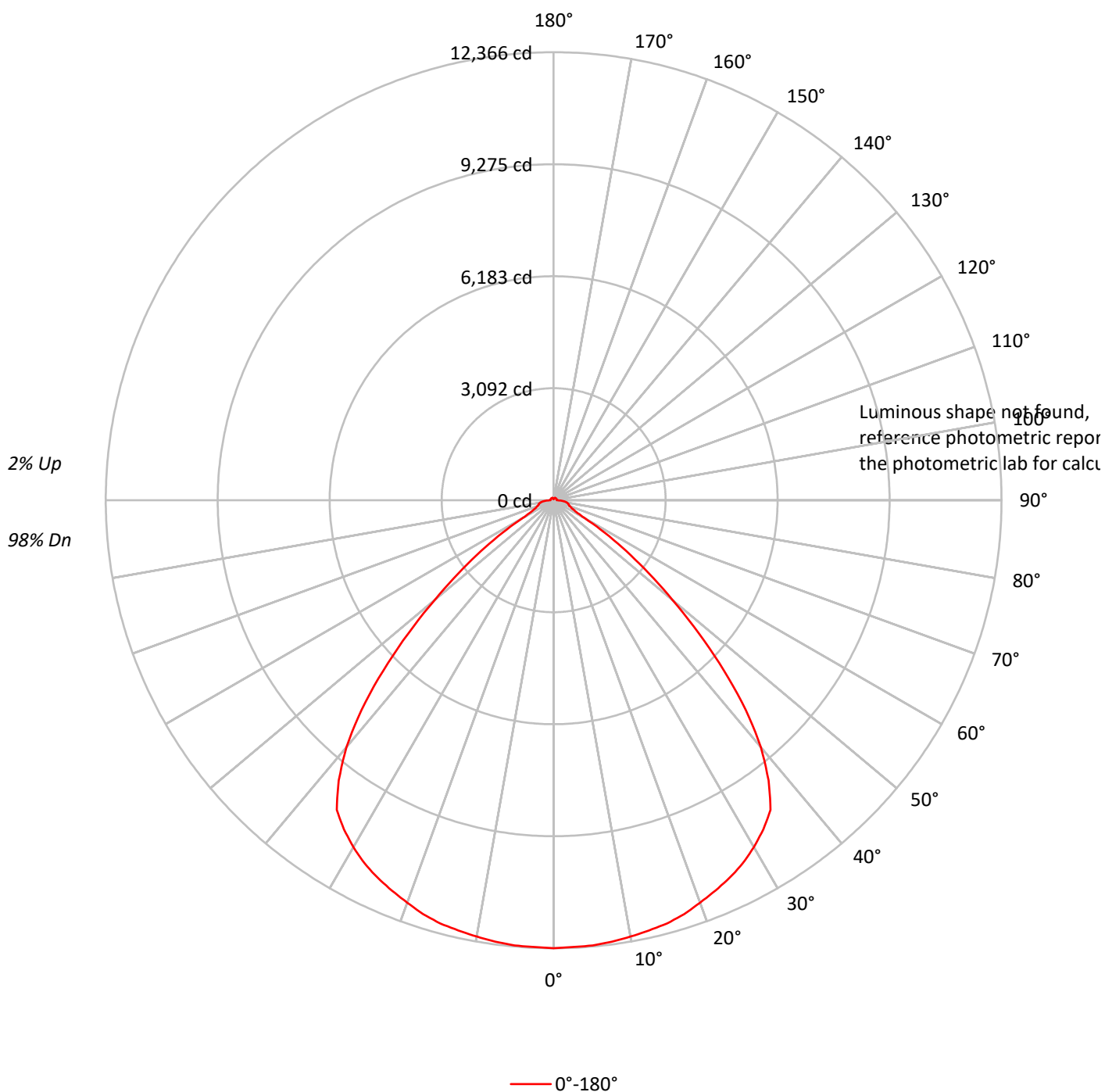
Lumens per Lamp: N/A
Luminaire Lumens: 25446.1 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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





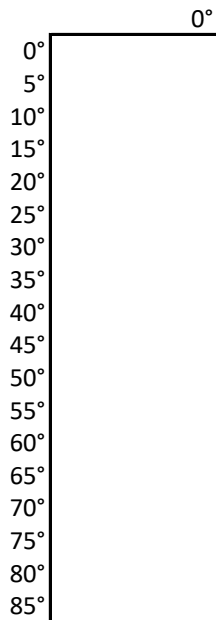
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	92	92	91	89	87			
2	103	97	91	87	100	95	90	86	91	87	83	88	84	81	84	82	79	77			
3	96	87	81	75	93	86	80	75	83	77	73	80	75	72	77	73	70	68			
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	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	59	54	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41	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°	1173.9	4.6
10°-20°	3414.3	13.4
20°-30°	5301.5	20.8
30°-40°	6403.0	25.2
40°-50°	5090.0	20.0
50°-60°	2227.2	8.8
60°-70°	626.0	2.5
70°-80°	447.5	1.8
80°-90°	270.2	1.1
90°-100°	93.0	0.4
100°-110°	89.9	0.4
110°-120°	82.7	0.3
120°-130°	71.9	0.3
130°-140°	59.5	0.2
140°-150°	47.4	0.2
150°-160°	30.8	0.1
160°-170°	13.9	0.1
170°-180°	3.6	0.0
0°-30°	9889.7	38.9
0°-40°	16292.7	64.0
0°-60°	23609.9	92.8
0°-90°	24953.5	98.1
90°-120°	265.6	1.0
90°-150°	444.4	1.7
90°-180°	493.0	1.9
0°-180°	25446.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12366	
5°	12336	###
15°	12093	3414
25°	11499	5302
35°	10438	6403
45°	6655	5090
55°	2449	2227
65°	592	626
75°	425	448
85°	261	233
90°	91	61
95°	84	69
105°	85	90
115°	83	83
125°	80	72
135°	77	59
145°	76	47
155°	66	31
165°	47	14
175°	35	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12365.6
2.5°	12342.9
5°	12336.1
7.5°	12292.3
10°	12228.3
12.5°	12162.5
15°	12092.6
17.5°	11979.7
20°	11818.7
22.5°	11663.6
25°	11499.3
27.5°	11302.1
30°	11056.0
32.5°	10772.8
35°	10438.3
37.5°	9745.5
40°	8900.3
42.5°	7857.8
45°	6655.2
47.5°	5439.9
50°	4286.2
52.5°	3302.7
55°	2449.0
57.5°	1674.5
60°	973.4
62.5°	704.5
65°	591.6
67.5°	516.6
70°	469.4
72.5°	445.8
75°	424.7
77.5°	403.7
80°	369.1
82.5°	323.6
85°	261.3
87.5°	177.0
90°	91.0
92.5°	83.4
95°	84.3
97.5°	85.1
100°	85.1
102.5°	85.1
105°	85.1
107.5°	85.1
110°	84.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	84.3
115°	83.4
117.5°	82.6
120°	81.7
122.5°	80.9
125°	80.1
127.5°	79.2
130°	78.4
132.5°	77.5
135°	76.7
137.5°	75.8
140°	75.8
142.5°	75.8
145°	75.8
147.5°	75.0
150°	74.2
152.5°	70.8
155°	65.7
157.5°	61.5
160°	57.3
162.5°	52.3
165°	47.2
167.5°	44.7
170°	40.5
172.5°	37.9
175°	35.4
177.5°	34.6
180°	34.6

(END OF REPORT)