

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: P1505385

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505385
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 (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

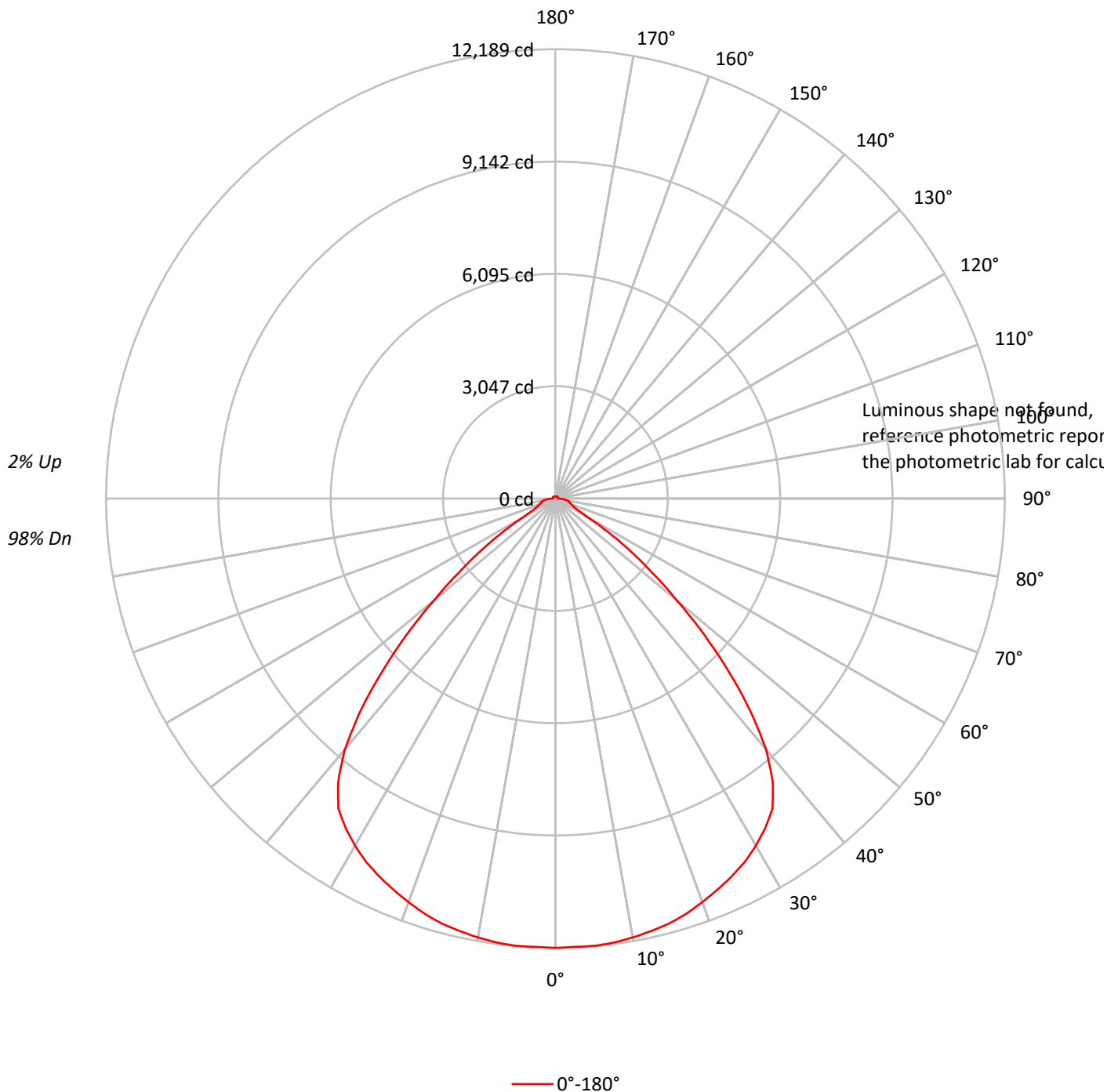
Lumens per Lamp: N/A
Luminaire Lumens: 25106.5 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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





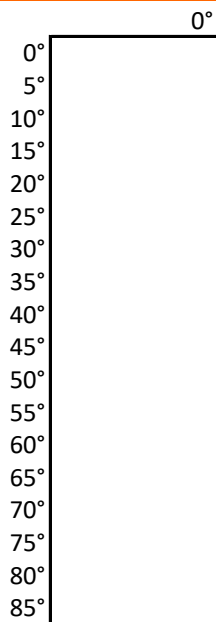
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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		
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°	1159.7	4.6
10°-20°	3369.2	13.4
20°-30°	5216.9	20.8
30°-40°	6323.3	25.2
40°-50°	5097.5	20.3
50°-60°	2245.9	8.9
60°-70°	612.3	2.4
70°-80°	420.2	1.7
80°-90°	231.0	0.9
90°-100°	74.8	0.3
100°-110°	75.1	0.3
110°-120°	70.6	0.3
120°-130°	63.2	0.3
130°-140°	53.8	0.2
140°-150°	43.6	0.2
150°-160°	29.7	0.1
160°-170°	15.2	0.1
170°-180°	4.4	0.0
0°-30°	9745.8	38.8
0°-40°	16069.1	64.0
0°-60°	23412.5	93.3
0°-90°	24676.0	98.3
90°-120°	220.5	0.9
90°-150°	381.1	1.5
90°-180°	430.0	1.7
0°-180°	25106.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12189	
5°	12180	###
15°	11936	3369
25°	11310	5217
35°	10265	6323
45°	6668	5097
55°	2478	2246
65°	575	612
75°	400	420
85°	220	202
90°	68	47
95°	68	56
105°	71	75
115°	71	71
125°	70	63
135°	69	54
145°	69	44
155°	64	30
165°	53	15
175°	46	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12189.4
2.5°	12174.6
5°	12179.5
7.5°	12152.3
10°	12089.6
12.5°	12017.0
15°	11936.1
17.5°	11806.6
20°	11651.5
22.5°	11484.0
25°	11310.0
27.5°	11116.1
30°	10873.5
32.5°	10592.2
35°	10264.7
37.5°	9676.5
40°	8885.3
42.5°	7837.5
45°	6668.5
47.5°	5474.7
50°	4315.6
52.5°	3318.2
55°	2478.3
57.5°	1687.1
60°	996.6
62.5°	682.3
65°	575.0
67.5°	499.1
70°	449.6
72.5°	424.1
75°	400.1
77.5°	373.7
80°	335.0
82.5°	285.5
85°	219.5
87.5°	141.9
90°	67.7
92.5°	67.7
95°	68.5
97.5°	69.3
100°	70.1
102.5°	71.0
105°	71.0
107.5°	71.0
110°	71.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.0
115°	71.0
117.5°	71.0
120°	71.0
122.5°	71.0
125°	70.1
127.5°	70.1
130°	70.1
132.5°	69.3
135°	69.3
137.5°	69.3
140°	69.3
142.5°	69.3
145°	69.3
147.5°	69.3
150°	70.1
152.5°	66.8
155°	63.5
157.5°	61.1
160°	58.6
162.5°	56.1
165°	52.8
167.5°	50.3
170°	47.9
172.5°	46.2
175°	46.2
177.5°	46.2
180°	46.2

(END OF REPORT)