

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: P1505024

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505024
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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 (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

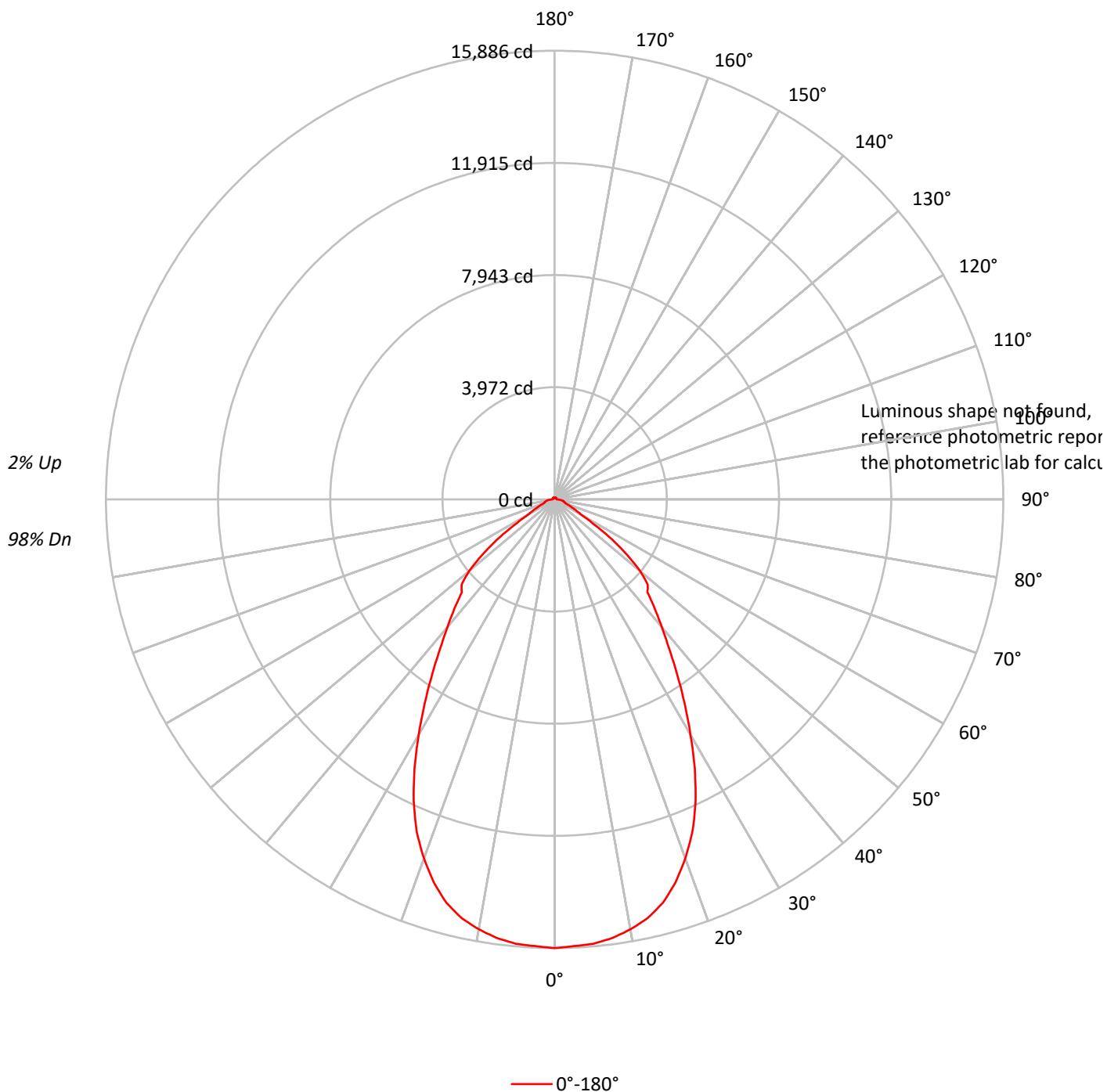
Lumens per Lamp: N/A
Luminaire Lumens: 23368.1 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

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





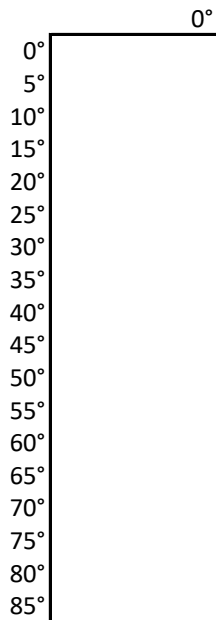
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	97	92	88	101	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1496.7	6.4
10°-20°	4131.9	17.7
20°-30°	5370.1	23.0
30°-40°	4743.9	20.3
40°-50°	3717.2	15.9
50°-60°	2203.8	9.4
60°-70°	701.5	3.0
70°-80°	373.7	1.6
80°-90°	205.2	0.9
90°-100°	77.9	0.3
100°-110°	76.0	0.3
110°-120°	70.2	0.3
120°-130°	61.2	0.3
130°-140°	51.2	0.2
140°-150°	42.4	0.2
150°-160°	28.3	0.1
160°-170°	13.4	0.1
170°-180°	3.7	0.0
0°-30°	10998.7	47.1
0°-40°	15742.6	67.4
0°-60°	21663.6	92.7
0°-90°	22943.9	98.2
90°-120°	224.0	1.0
90°-150°	378.8	1.6
90°-180°	424.0	1.8
0°-180°	23368.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15886	
5°	15792	###
15°	14796	4132
25°	11808	5370
35°	7547	4744
45°	4649	3717
55°	2482	2204
65°	683	702
75°	352	374
85°	191	177
90°	73	48
95°	71	58
105°	72	76
115°	71	70
125°	68	61
135°	66	51
145°	68	42
155°	60	28
165°	46	13
175°	37	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15886.3
2.5°	15833.5
5°	15792.2
7.5°	15665.2
10°	15458.1
12.5°	15187.5
15°	14795.6
17.5°	14221.4
20°	13528.4
22.5°	12748.0
25°	11807.5
27.5°	10742.4
30°	9615.4
32.5°	8552.0
35°	7547.1
37.5°	6645.4
40°	5894.6
42.5°	5251.1
45°	4648.9
47.5°	4473.2
50°	3953.4
52.5°	3246.4
55°	2482.4
57.5°	1683.0
60°	1100.6
62.5°	878.6
65°	683.1
67.5°	521.4
70°	422.4
72.5°	377.0
75°	351.5
77.5°	328.4
80°	292.9
82.5°	247.5
85°	191.4
87.5°	131.2
90°	73.4
92.5°	70.1
95°	71.0
97.5°	71.8
100°	71.8
102.5°	71.8
105°	71.8
107.5°	71.8
110°	71.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.0
115°	71.0
117.5°	70.1
120°	69.3
122.5°	68.5
125°	68.5
127.5°	67.7
130°	66.8
132.5°	66.0
135°	66.0
137.5°	66.0
140°	66.0
142.5°	66.8
145°	67.7
147.5°	68.5
150°	68.5
152.5°	64.4
155°	60.2
157.5°	56.9
160°	53.6
162.5°	49.5
165°	46.2
167.5°	43.7
170°	41.3
172.5°	38.8
175°	37.1
177.5°	36.3
180°	37.1

(END OF REPORT)